



Universiteit
Leiden
The Netherlands

Urban systems in the Roman Near East: historical and functional dimensions of urbanism in Roman Syria, Mesopotamia, Palestine and Arabia

Kloeg, P.

Citation

Kloeg, P. (2024, February 1). *Urban systems in the Roman Near East: historical and functional dimensions of urbanism in Roman Syria, Mesopotamia, Palestine and Arabia*. Retrieved from <https://hdl.handle.net/1887/3715818>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3715818>

Note: To cite this publication please use the final published version (if applicable).

Appendix

The following tables show settlements with, where available, additional information on evidence for their urban status, known monuments, settlement size, and any additional references and notes. The format is as follows:

Ancient name		Modern name(s)				ID
Evidence for status					Province	
Monuments						
Area cat	Area min	Area est	Area max	Area tpq	Area taq	Area notes
References						
Notes						

Area cat. stands for the category for that given area, for instance built-up area, walled area, etc. Min., est. and max. stand for minimum, (likely) estimate and maximum if the estimate falls in a range. TPQ and TAQ stand for terminus post quem and terminus ante quem.

Abalaklı Höyük	Abalaklı Höyük	2261
(none)	Syria-Coele	
(none)		
Built-up area ¹	5.5	
¹ Yener, 2005, AS193		
AS193		

Abarara	(none)	2332
(none)	Syria-Coele	
(none)		
(none)		
station		

Abila Dekapoleos	Tell Abil	2066
Coin.	Syria-Palestina	
Aqueduct; Basilica; Baths; Bridge; Circuit wall; Temple?; Theatre		
Built-up area	75	1.1. Rough estimate, site size ¹ of 05x1.5 km2
¹ Stern et al., 1993, 1-3		

Abila (in Perea)	(none)	2179
(none)	Syria-Palestina	
(none)		
(none)		

Abila Lysaniou	Souk Wadi Barada, سوق وادي بردى	2031
(none)	Syria-Phoenice	
(none)		
(none)		

Ad Dana	Al Dana, Dāna, الدانا	2236
(none)	Syria-Coele	
Baths		
(none)		
1969 built up area up to 60 ha (site inhabited). No clear idea of classical size		

Adraha	Deraa	2032
Coin.	Arabia	
Aqueduct; Baths; Circuit wall ² ; Colonnaded street; Orthogonal street plan; Temple; Theatre		
Walled area	41.4	Preferred. Dentzer 2010
¹ Fournet et al., 2010		
² Pflaum, 1952		

Ad Serta	(none)	2333
(none)	Syria-Coele	
(none)		
(none)		
station		

Aelia Capitolina	Jerusalem	2059
Stat.; Coin. ⁸	Syria-Palestina	
Aqueduct; Arch; Baths ⁴ ; Circuit wall ⁶ ; Circus ⁶ ; Colonnaded street; Fort (legionary); Gymnasium; Market; Palace; Public square; Public square (forum) ⁶ ; Temple; Theatre ⁶		
Built-up area ¹	37 74 135 275	Preferred. Maximum from Mare 1987, estimate after Doron Bar 1998, without the area of Temple Mount.
Built-up area	55 60 75 135 275	Preferred. Estimate after Weksler-Bdolah 2020. 35 to 40 ha unwalled civilian settlement, 20 to 25 hectares walled military camp, and 10 to 12 hectares for the

					Temple Mount (not added to estimate)
¹ Bar, 1998					
² Galor et al., 2011					
³ Galor et al., 2013, 116-117					
⁴ Galor et al., 2013, 125					
⁵ Galor et al., 2013					
⁶ Richardson, 2002, 158-159					
⁷ Richardson, 2002, 129-159					
⁸ Tal, 2012					

Aere	as-Sanamên, Sanamein	2015
(none)	Arabia	
Temple		
(none)		
¹ Segal, 2013		

Ail	(none)	2191
(none)	Arabia	
(none)		
(none)		
¹ Abudanah, 2006, 173-4		
Overbuilt. Fort added to village from 4th century		

Aila	Aqaba	2128
(none)	Arabia	
Industry; Port		
Built-up area ¹	2 3	
¹ Parker, 1997, 27		
² Retzleff, 2003, 56		
Largely overbuilt.		

Akko	Acre, عكا, عكّا	2077
Stat. ¹ ; Coin. ²	Syria-Phoenice	
Aqueduct; Baths; Gymnasium; Port		
Walled area	100	Preferred. Rough estimate: Broshi 1979 (cit. Prausnitz)
¹ Millar, 1990		
² Tal, 2012		
³ Bell. Jud. 1.422		

Alagma	Tell Sheikh Hasan	2242
(none)	Osrhoena	
(none)		
Built-up area ¹	7 7	
¹ Jong, 2011		

Al Musayfrah	Al Musayfrah, المسيفره	2248
(none)	Arabia	
(none)		
(none)		
¹ Jones, 1971, 293		
Village in territory Bostra		

Amathous	(none)	2335
(none)	Syria-Palestina	
(none)		
(none)		

Amida	(none)	2049
(none)	Mesopotamia	
(none)		
Walled area	165 240 349	src: marciak 2017

Anasarcha	(none)	2350
(none)	Syria-Coele	
(none)		
(none)		

Androna	(none)	2351
(none)	Syria-Coele	

(none)
(none)
¹ Mango, 2002

Antarados	Tartus	2217
(none)		Syria-Phoenice
(none)		
(none)		

Anthedon	Blakhiyya	2004
Coin. ¹		Syria-Palestina
(none)		
Built-up area	15	Preferred. Rough estimate from Humbert and Saadeq 2000: 250m diameter tell plus 350x300m lower town. (=15.4 ha)
¹ Jones, 1971, 280		

Antioch			Antakya			2091	
Stat.; Coin.						Syria-Coele	
Aqueduct; Arch; Baths; Baths?; Bouleuterion; Circuit wall; Circus ⁴ ; Colonnaded street; Industry; Nymphaeum; Orthogonal street plan; Public square; Residences; Stadium; Theatre ¹							
Built-up area	480	500	770	100	300	Preferred. This is the figure of the buildable intra-mural area, plus a range between 50 and 250 ha of suburbs.	
Walled area	695	730	760	14	395	Tiberian. Of which 120 to 170 ha lay on the island. Of this total area, 430 to 520 ha was buildable.	
Walled area	750	770	785	347	565	Theodosian. Of which 120 to 170 ha lay on the island. Of this total area, 460 to 535 ha was buildable.	
Walled area	445	455	465	527		Justinian. Of this total area, about 280 ha was buildable.	

¹ Malalas, Chron. 9.279, 288

² Lib. Or. XI, 202

³ Malalas, Chron. X.xix.36-43.

⁴ Antioch on the Orontes, 1934

⁵ Antioch on the Orontes, 1938

⁶ Antioch on the Orontes, 1948

⁷ Antioch on the Orontes, 1972

⁸ De Giorgi, 2006

⁹ De Giorgi, 2007

¹⁰ De Giorgi, 2008

¹¹ De Giorgi, 2016

¹² Liebeschuetz, 1972

¹³ Petit, 1955

¹⁴ Richard, 2012, 259

Antoninopolis	Viranşehir	2110
(none)		Osrhoena
(none)		
(none)		

Apamea	Qalaat al-Madiq	2099
(none)		Syria-Coele
Aqueduct; Baths; Circuit wall ⁵ ; Colonnaded street; Fort (legionary); Nymphaeum; Orthogonal street plan; Public square (agora); Residences; Sanctuary; Tabernae; Temple; Theatre ^{4,7}		
Walled area	250	Preferred. Dentzer 2010

¹ Balty, 1988, 97 ff

² Balty, 1988, 92

³ Balty, 1988

⁴ Finlayson, 2012

⁵ Leriche, 2000, 107-109

⁶ Richard, 2012, 259, 260

⁷ Sear, 2006, 317-318

Apollonia	Arsuf, ארסוף				2005	
(none)					Syria-Palestina	
Circuit wall ¹						
Built-up area		28	60	350	700	Haddad et al. 2015; See also NEAEHL 72-75
						Preferred. Speculation: NEAEHL 72-75 mentions Roman habitation only near the anchorage. Only excavated building is villa (2008). Suggestion of surrounding buildings. Compare Broshi 1979: speculated size 9 ha.
Built-up area	1	5	10		350	
Walled area		7.7	8.9	650		Haddad et al. 2015; See also NEAEHL 72-75
† Galor et al., 2009, 11-12						

Appadana	(none)	2343
(none)		Osrhoena
(none)		
(none)		

'Aqrabah	Agrabaa, 'Aqrabah, عقراب	2140
(none)		Arabia
(none)		
(none)		
info: Metrokomia		

Arados		Arwat, Roaud		2078	
Coin.			Syria-Phoenice		
Circuit wall; Public square (agora)?; Temple?					
Walled area	10	16	16		Preferred. sat

Arbela (in the Decapolis)	(none)	2177
(none)		Syria-Palestina
(none)		
(none)		

Arbela (of Galilee)	(none)	2178
(none)		Syria-Palestina
(none)		
Built-up area ¹	10	Preferred.
¹ Lapin, 2001		

Arca	Tell Arqa	2079
Stat.; Coin.		Syria-Phoenice
(none)		
(none)		

Archelais	Khirbet el Beyudat	2180
(none)		Syria-Palestina
Aqueduct		
(none)		
excavator: H. Himzi		

Areopolis	er-Rabba	2007
Coin. ¹		Arabia
Colonnaded street; Temple; Water management structure		
(none)		
¹ Jones, 1971, 294		

Arethusa	Al-Rastan	2011
----------	-----------	------

(none)					Syria-Phoenice
Temple					
Walled area ²	30	50	60		Small sketch by Sauvaget after aerial photography. Compared with corona sat. imagery and measured.
¹ Butcher, 2004, 380					
² Sauvaget, 1941, 43					

Arieldela (in the Aravah)	(none)	2188
(none)		Arabia
Inn		
(none)		
Caravansera?		

Arindela	Gharandal	2199
(none)	Arabia	
Inn		
(none)		
† Walmsley et al., 2001		

Armaouira	(none)	2017
(none)		null
(none)		
(none)		

Arsamosata	(none)	2038
(none)		null
(none)		
(none)		

Artaxata	(none)	2102
(none)		null
Circuit wall; Theatre		
(none)		

AS254	(none)				2258
(none)					Syria-Coele
(none)					
Built-up area ^{1,2}		7.5	9		Issue: Yener gives the site as 300+ by 300+ meters, Gerritsen explicitly as 9 hectares. Corona images rather suggest this is made up of 3 smaller features, with 7.5 ha as an already optimistic estimate.
¹ Gerritsen et al., 2008, 250					
² Yener, 2005, AS 254					
Site visible on Corona, but no longer on modern sat.					

AS347	(none)				2257
(none)					Syria-Coele
(none)					
Built-up area ^{3,4}	-	2.25	-	-	-
¹ De Giorgi, 2006, 210-211					
² De Giorgi, 2016, 83					
³ Gerritsen et al., 2008, 254					
⁴ Yener, 2005					

Ascalon		Ashkelon, אֲשְׁכֶלֹן			2054	
Coin. ⁴		Syria-Palestina				
Basilica; Baths ² ; Circuit wall; Odeum/Odeion; Public square; Theatre ²						
Walled area	52	54	60			Preferred. Stager et al 2008.1: 60 ha. From map there, 54ha intramural. Cf. Broshi 1979

					(cit. Garstang 1922:112: 52ha)
¹ Sear, 2006, 302					
² Stern et al., 1993, 110					
³ Stern et al., 1993, 111					
⁴ Tal, 2012					

Athela	Atil	2150
(none)		Arabia
Temple		
(none)		
Segal, 2013		

Athis	Dibsi Faraj	2346
(none)		Osrhoena
(none)		
(none)		

Azotos		Ashdod			2027
Coin. ¹					Syria-Palestina
(none)					
Built-up area			12	36.4	Preferred. Broshi 1979 (cit. Dothan: 12 ha); NEAEHL 93 (36.4ha size of whole site, earlier periods)
¹ Tal, 2012					

Azotos Paralios	(none)	2334
(none)		Syria-Palestina
(none)		
(none)		

Bābisqā	Babisqa				2225
(none)					Syria-Coele
Baths ^{1,3} ; Temple					
Built-up area		3.5	4		src: corona
¹ Ball, 2000, 219					
² Tate, 1992, 65-82					
³ Tchalenko, 1953, 26					
Tchalenko: 2/E-V-23 Tate: 8 rooms					

Babuttā		Babuta, Babutta		2317	
(none)		Syria-Coele			
(none)					
Built-up area	0.1	1	3	-	src: corona - unclear
Tchalenko 2/D-V-38 Tate: 1 room					

Balanea	Baniyas, بانياس	2097
Coin.	Syria-Phoenice	
(none)		
(none)		

Bāmuqqa	Bamuqa, Bamuqqa	2307			
(none)	Syria-Coele				
(none)					
Built-up area	-	0.5	1	-	src: sat
Tchalenko 2/D-V-28 Tate: 4 rooms					

Banaqfūr		Banaqfur		2303	
(none)		Syria-Coele			
(none)					
Built-up area	1.5	1.5	3	-	src: corona
Tchalenko 2/D-VI-41 Tate: 2 rooms					

Bāqirhā	Baqirha	2224			
(none)		Syria-Coele			
Temple					
Built-up area	2	2.4	3	-	src: corona
1 Ball, 2000, 219-220					
Tchalenko map 2.D05 29 Tate: 5 rooms					

Bāšakūh	Bashakuh	2318
(none)	Syria-Coele	

(none)						
Built-up area	0.7	0.9	1	-	-	src: sat
Tchalenko 2/D-V-37 Tate: 2 rooms						

Bašmišle	Bashmishle					2283
(none)						Syria-Coele
(none)						
Built-up area	4	4.2	6			src: corona
Tchalenko 2/D-V-32						

Bathyra	Basser, بصرى	2253
(none)	Arabia	
(none)		
(none)		
Herodian colony		

Batnae	(none)	2003
(none)	Osrhoena	
(none)		
(none)		

Batnai	(none)	2329
(none)	Syria-Coele	
(none)		
(none)		

Bātūtā	Batuta	2314				
(none)	Syria-Coele					
(none)						
Built-up area	0.4	0.4	0.6			src: sat
Tchalenko 1/F-IV-21 plan CXXVIII.10						

Bāziher	Bazihher					2312
(none)	Syria-Coele					
(none)						
Built-up area	1.5	1.5	3			src: corona
Tchalenko 1/F-IV-12 Tate: 18 rooms						

Ba'ūdā	Ba'uda	2305
(none)		Syria-Coele
(none)		
Built-up area	0.85	1
src: corona		
Tchalenko 2/E-V-24 Tate: 7 rooms		

Behyō	Behyo	2289
(none)		Syria-Coele
(none)		
Built-up area	1	2
Tchalenko 2/D-VI-11 Tate: 8 rooms		

Benebil	Benebil	2302
(none)		Syria-Coele
Temple?		
Built-up area	1.8	2
src: corona		
Tchalenko, 1953, 15		
Tchalenko 2/C-V-16		

Beroia			Aleppo			2092		
Coin.						Syria-Coele		
Aqueduct ⁵ ; Circuit wall ¹⁰ ; Colonnaded street ⁷ ; Orthogonal street plan; Public square (agora)?; Temple?								
Built-up area ³	25	28			-301	-64	Hellenistic built up area (on basis street grid). From map Sauvaget: 28,14 ha, from text: 25 ha (pLII).	
Built-up area ⁴			59				Preferred. Byzantine size. Sauvaget 1941: figure LIII.	
Walled area ¹	93	112	112		-301	526	Sauvaget 1941 43: walls hellenistic, aligned to street grid. : pl. LII	

Walled area ²		115		527		Justinian phase. Of which 3.95 ha for the citadel. Pl. LIII
--------------------------	--	-----	--	-----	--	---

¹ Sauvaget, 1941, 43; pl. LII
² Sauvaget, 1941, Pl. LIII
³ Sauvaget, 1941, 52; pl. LII
⁴ Sauvaget, 1941, pl. LIII
⁵ Sauvaget, 1941, 45
⁶ Sauvaget, 1941, 59
⁷ Sauvaget, 1941, 47
⁸ Sauvaget, 1941, 40, 43
⁹ Sauvaget, 1941, 46
¹⁰ Sauvaget, 1941, 42

Berosaba	Beer Sheva	2204
(none)	Syria-Palestina	
Fort (legionary)		
(none)		

Berriš (nord)		Berrish		2288	
(none)				Syria-Coele	
(none)					
Built-up area	0.5	0.5	2		src: corona
Tchalenko 2/D-V-40 Tate: 8					

Bersabe	(none)	2165			
(none)		Syria-Palestina			
(none)					
Built-up area ¹	2	3	4		Preferred.
¹ Leibner, 2009, 125					

Berytus		Beirut, بيروت		2080	
Stat.; Coin.		Syria-Phoenice			
Amphitheatre ¹ ; Aqueduct ¹ ; Baths; Circus ² ; Colonnaded street; Nymphaeum ² ; Port; Tabernae; Temple; Theatre ¹					
Built-up area	50	50	70	6	Order of size from map Perring 2003, 18. Bound by locations 6 cemeteries as in Stewart 2003 (max. 70ha).; cf map in curvers and stuart 2007
¹ Hall, 2004, 64					
² Hall, 2004, 66					
³ Richard, 2012, 262					

Bethlethepha	(none)	2338
(none)	Syria-Palestina	
(none)		
(none)		

Bethsaida	Et-Tell	2117				
(none)		Syria-Palestina				
Temple?						
Built-up area ^{1,2}	-	8	-	-	-	Preferred.
¹ Araus et al., 2007, 297						
² Arav, 2011, 94						
See Arav 2011 for the definite absence of Roman entertainment buildings. Note discussion on location el-Araj vs. et-Tell (references in Kuhn 2015)						

Beth She'arim	(none)	2168
(none)	Syria-Palestina	
Basilica?		
(none)		
¹ Bonnie, 2014, 150, 153		

Biblada	(none)	2341
(none)	Mesopotamia	
(none)		
(none)		

Bir el Mazar	(none)	2184
(none)	Aegyptus	
(none)		

Built-up area ¹	4				Preferred.
¹ Stern et al., 1993, 1395					

Bir Madhkhur	Bir Madhkhur	2189
(none)	Arabia	
(none)		
(none)		
Later castellum		

Birsama			Horvat Be'er Shema			2321
(none)						Syria-Palestina
(none)						
Built-up area ^{1,2}			3	3		Overall site size given as 40 to 50 ha in Dolinka, but Gini indicates that actual (Byzantine) village should be located in unexcavated 3 ha area.
¹ Dolinka, 2007						
² Erickson-Gini, 2011						
(Dolinka 2007/Erickson-Gini 2011) Indicated in Kyprios' Descriptio Orbis Romani as centre for the Gerar region. Finds in 2006 excavations only from Byzantine period, however, main village not excavated						

Borechath Sabaon	Breikeh, بريكة	2142
(none)	Arabia	
Temple		
(none)		
¹ Segal, 2013, 184-186		
info: Metrokomia		

Bostra	Bosra	2034
Stat.; Coin.	Arabia	
Aqueduct; Basilica; Baths ⁴ ; Circuit wall ⁸ ; Circus ^{3,9} ; Colonnaded street; Fort (legionary); Gate; Market; Nymphaeum; Orthogonal street plan; Palace?; Public square (agora); Temple; Temple?; Theatre ¹⁰ ; Water management structure		
Walled area	80	Preferred. Dentzer 2010
¹ IGLS XIII 9143		
² Richard, 2012, 262		
³ Sartre, 1985, 95-96		
⁴ Sartre, 1985, 95		
⁵ Sartre, 1985, 94		
⁶ Sartre, 1985, 92, 95		
⁷ Sartre, 1985, 96		
⁸ Sartre, 1985, 56-58, 88		
⁹ Sear, 2006, 308		
¹⁰ Sear, 2006, 308-309		
¹¹ Segal, 1997, 48-49		
¹² Segal, 2013, 219-221		

Botrys	Batroun	2009
(none)	Syria-Phoenice	
Theatre ¹		
(none)		
¹ Frezouls, 1959, 216		

Brad	Barad, Beradê, Brad, براد	2223				
(none)		Syria-Coele				
Baths ^{1,4} ; Horrea; Inn; Temple						
Built-up area ²	12	15	20			src: corona
¹ Ball, 2000, 219						
² Tchalenko, 1953, Pl. CXXXIII.22						
³ Tchalenko, 1953, Pl. CXXXIII						
⁴ Tchalenko, 1953, 26						
Tchalenko Plan CXXXIII.22						

Bšendlāyā		Bshendlaya, بشندلاية		2300	
(none)				Syria-Coele	
(none)					
Built-up area	2.4	2.4	5	-	src: corona

Tchalenko 2/C-VI-22	
---------------------	--

Buraq	Buraq, براق	2139
(none)	Arabia	
(none)		
(none)		
Possibly Aenos - pleiades id: 682522		

Byblos	Jubayl, جبيل	2081			
Coin.	Syria-Phoenice				
Colonnaded street; Nymphaeum; Port; Temple; Theatre					
Built-up area	20	40	60		
¹ Carayon, 2008					
² Carayon et al., 2011					

Caesarea	קיסריה			2065	
Stat.; Coin.	Syria-Palestina				
Amphitheatre ¹ ; Aqueduct; Circuit wall ⁵ ; Circus ² ; Orthogonal street plan; Palace; Port; Public square (agora); Residences; Temple; Theatre ⁶					
Walled area		65	-37	400	Preferred. Patrich 2011:42
Walled area		94		400	Patrich 2011: 94
¹ Patrich, 2011, 44					
² Patrich, 2011, 43					
³ Patrich, 2011, 111					
⁴ Patrich, 2011, 68-69					
⁵ Patrich, 2011, 42, 94					
⁶ Sear, 2006					

Caesarea Paneas	Banias, בַּנְיָאס	2083	
Coin.		Syria-Phoenice	
Aqueduct ² ; Baths ⁷ ; Bridge; Colonnaded street; Palace; Temple; Theatre?			
Built-up area ¹	100	101	Preferred.
Built-up area ³	20	-6	100
¹ Stern et al., 1993			
² Stern et al., 1993, 137-142			
³ Tzaferis, 2007, 335			
⁴ Tzaferis, 2007, 335-336			
⁵ Tzaferis, 2007, 337-8			
⁶ Tzaferis, 2007, 338			
⁷ Tzaferis, 2007, 341-342			
⁸ Tzaferis, 2007, 337			

Çakal Tepe	Çakal Tepe, Tell Habish	2272
(none)		Syria-Coele
(none)		
Built-up area [†]	4.5	
[†] Yener, 2005, AS 113		
AS 113		

Canatha	Qanawat	2035	
Coin.		Arabia	
Aqueduct; Baths ⁵ ; Circuit wall ³ ; Nymphaeum; Odeum/Odeion; Public square; Temple			
Walled area ^{1,4}	16	325	Freyberger 2000:144 16 ha; 2003. Unclear whether buildings to the west were part of the earlier city.
¹ Freyberger, 2000, 144			
² Freyberger, 2000, 149			
³ Freyberger, 2000, 144, 150-151			
⁴ Freyberger, 2003			
⁵ Freyberger, 2003, 4			
⁶ Freyberger, 2003, 5			
⁷ Segal, 2013, 195-197, 199-200			
⁸ Seligman. 2013. 197-199			

Capernaum	Kfar Nahum	2116		
(none)		Syria-Palestina		
Aqueduct ² ; Baths ¹ ; Temple				
Built-up area ^{2,3}	4	17	32	Preferred.

¹ Bonnie, 2014, 153	
² Lapin, 2001	
³ Stern et al., 1993, 292	

Capitolias	Beit Ras				2070
Coin.	Syria-Palestina				
Circuit wall ⁴ ; Market; Orthogonal street plan; Theatre ¹					
Walled area ²	6	7	8		Preferred. src: From map Lenzen 2002 38
¹ Karasneh, 2002					
² Lenzen, 2002, 38					
³ Lenzen, 2002, 39-40					
⁴ Lenzen, 2002, 39					

Carrhae	Harran, Harran	2050
Stat.2; Coin.	Osrhoena	
Sanctuary		
(none)		
¹ Jong, 2011, 269		
² Millar, 1990		
³ Cass. Dio 79,5,4		
⁴ Amm. 23,3,2		

Chalcis ad Belum	Al-Eis, العيس				2093	
Coin.	Syria-Coele					
Circuit wall ³ ; Fort (legionary); Orthogonal street plan						
Walled area		75		400	700	Rousset 2012, from map (Byzantine fortifications)
¹ Rousset, 2012, 557						
² Rousset, 2012, 553						
³ Rousset, 2012, 553-554						
info: sat. shows numerous looting pits						

Characmoba	(none)	2008
Coin. ¹	Arabia	
(none)		
(none)		

¹ Jones, 1971, 294

Chatal Höyük	Chatal Höyük				2269
(none)	Syria-Coele				
(none)					
Built-up area		0.6	10		Haines 1971,9. Roman finds limited to area 1 of the tell.
AS168, 10ha (tell size)					

Chorazin	(none)				2164
(none)	Syria-Palestina				
(none)					
Built-up area ¹	7	10	35		Preferred.
¹ Lapin, 2001					

Circersium	(none)				2344
(none)	Osrhoena				
(none)					
(none)					

Cudeidah	Cudeidah	2270
(none)	Syria-Coele	
Industry?		
Built-up area ¹	10	Diffuse site, size may be overstated.
¹ Yener, 2005, AS205		
² Yener, 2005, 243, AS 205		
AS205, 10 ha info: not to be confused with Tell al-Judeidah (AS176), which while a well-known large site for earlier periods, only has a very minor Roman presence. info: Yener, and De Giorgi suggest this site may be a quarry, reused as a cemetery.		

Cyrrus	حوروس	2040
Coin.	Syria-Coele	
Bridge; Circuit wall; Fort (legionary); Streets; Theatre		

Walled area		65			Preferred. Al Shbib 2012, from map.
¹ Tac. Ann. 2.57.2					

Dadima	(none)				2039
(none)	null				
(none)					
(none)					

Damascus		Damascus		2088	
Stat.; Coin.				Syria-Phoenice	
Aqueduct ² ; Arch; Circuit wall ⁷ ; Circus ^{10,16} ; Colonnaded street; Gate; Gymnasium; Nymphaeum ⁷ ; Odeum/Odeion ⁷ ; Orthogonal street plan; Public square; Temple; Theatre ^{13,17}					
Walled area ^{4,9}		125	128	Preferred. Will 1989	
¹ Burns, 2005, 55					
² Burns, 2005, 58					
³ Burns, 2005, 54, 57					
⁴ Saad et al., 2013, 1-4					
⁵ Saad et al., 2013, 3					
⁶ Saad et al., 2013, 1-5					
⁷ Saad et al., 2013, 6-8					
⁸ Segal, 1997, 48					
⁹ Will, 1989					
¹⁰ Will, 1994, 34					
¹¹ Will, 1994, 38-40					
¹² Will, 1994, 26					
¹³ Will, 1994, 11, 34					
¹⁴ Will, 1994, 21-34					
¹⁵ Will, 1994, 39-40					
¹⁶ Jos. Ant. XIII.387					
¹⁷ Jos.BJ I.21.11					

Daphne	Harbiye	2211
(none)		Syria-Coele
Aqueduct [‡] ; Baths [‡] ; Residences; Stadium; Theatre		
(none)		
‡ Libanius Or. 11.236-237		

Darqitā	Darqita				2298
(none)	Syria-Coele				
(none)					
Built-up area		2.4	2.4		src: corona
Tchalenko 2/D-V-18 Tate: 20 rooms					

Dar Taizzah	Dar Ta izzah, Dar Taizzah, Dart'azze, دار تعزة	2232
(none)	Syria-Coele	
(none)		
(none)		
1969 size 18 hectares, but inhabited. (See also Tchalenko photograph CLXVIII.5)		

Dēhes	Dehes				2280
(none)	Syria-Coele				
(none)					
Built-up area ¹	7	7.8	9		src: corona
¹ Tchalenko, 1953, CXXXVI.30					
Tchalenko 2/D-V-42 Tate: 14 rooms					

Deir Mishmish	Deir Mishmish, Deir Mišmiš	2239			
(none)		Syria-Coele			
Temple					
Built-up area	1	1.5	2	-	src: corona
† Tchalenko, 1953, 37					

Deir Serur	Deir Serur, Khirbet Samara	2132
(none)		Syria-Palestina
Temple		
Built-up area ¹	3	Preferred.
¹ Stern et al., 1993, 1424		
² Tsafir, 1994, 111		
NEAEHL 1424: 'one of the largest Roman sites in Samaria'		

Deir 'Amān	Deir Aman	2316				
(none)	Syria-Coele					
(none)						
Built-up area	2.2	3	4			src: corona
Tchalenko 1/F-V-19 Tate: 4 rooms						

Derkoush	Darkush, Derkoush, درکوش				2220
(none)					Syria-Coele
Bridge; Industry					
Built-up area		7			src: corona issue: obviously modern size
¹ IGLS 2.665					
² Butcher, 2004, 134					
Tchalenko map 2.B08					

Diocaesarea		Zippori, צִפּוּרִי			2074	
Coin.					Syria-Palestina	
Aqueduct ⁶ ; Baths ⁴ ; Colonnaded street; Market ⁷ ; Orthogonal street plan; Palace; Temple; Theatre ⁶						
Built-up area ^{1,5}	40	50	60	100		Preferred.
Built-up area ¹	10	15	20	1	100	
¹ Bonnie, 2014, 186-187						
² Bonnie, 2014, 110-120						
³ Bonnie, 2014, 153						
⁴ Bonnie, 2014, 122-123, 153, 153						
⁵ Lapin, 2001, 88						
⁶ Stern et al., 1993, 1325						
info: Bonnie 2014; Weiss 2015 - possible library or archive						

Dion	Tell al-Ash'arī	2134
Coin. ¹	Arabia	
(none)		
(none)		
¹ Kropp et al., 2006, 135		
info: sat. images suggests heavy looting		

Dionysias	Suweda, Suweida				2112
(none)					Arabia
Aqueduct; Baths ⁴ ; Bridge; Circuit wall ⁵ ; Cisterns; Colonnaded street; Nymphaeum; Odeum/Odeion; Orthogonal street plan; Temple; Theatre ²					
Walled area ¹	35	42.1			Preferred. Dentzer 2010
¹ Dentzer et al., 2010, 157, 164					
² Dentzer et al., 2010, 156-157					
³ Dentzer et al., 2010, 155, 156					
⁴ Dentzer et al., 2010, 156					
⁵ Dentzer et al., 2010, 150					
⁶ Dentzer et al., 2010, 155					
⁷ Dentzer et al., 2010, 148					
⁸ Richard, 2012, 280					
⁹ Segal, 2013, 216-218					

Diospolis		Lod		2061	
Coin. ¹				Syria-Palestina	
Basilica?; Baths; Colonnaded street; Public square; Temple?					
Built-up area		60			Preferred. Schwartz 1987. Poor estimate from very tentative map, including 28ha 'swampy north area' and 32 ha 'old town'. Not including 18 ha tell site, as it has no Hellenistic/Roman finds.
¹ Jones, 1971, 278					
² Schwartz, 1987					

Dor	Tel Dor	2056
Coin. ⁵		Syria-Palestina
Aqueduct; Baths ⁴ ; Industry; Orthogonal street plan; Port; Public square; Temple; Theatre ²		

Built-up area	11	11	12		Preferred. From map NEAEHL 357
¹ Stern et al., 1993, 363					
² Stern et al., 1993, 358					
³ Stern et al., 1993, 362					
⁴ Stern et al., 1993, 364					
⁵ Tal, 2012					

Dura-Europos	(none)				2103
Stat.					Syria-Coele
Bouleuterion?; Circuit wall ⁵ ; Fort (legionary); Orthogonal street plan; Palace; Public square; Tabernae; Temple					
Walled area		58			Preferred. Dentzer 2010
¹ Sommer, 2005, 273, 274					
² Sommer, 2005, 273, 279-280, 280, 282					
³ Sommer, 2005, 278					
⁴ Sommer, 2005, 273					
⁵ Sommer, 2005, 273, 275					

Eddana	(none)	2340
(none)	Syria-Coele	
(none)		
(none)		

Edessa	Sanliurfa	2051
Stat.; Coin.	Osrhoena	
Baths ² ; Circuit wall ²		
Walled area ¹	140	Preferred.
¹ Ross, 2001, 103		
² Ross, 2001, 104		
Heavily overbuilt		

El Bara	Al-Bara, El-Kafr, البارة	2278
(none)		Syria-Coele
(none)		
(none)		
Tchalenko 3/C-XI-9 1960's size on Corona of el-Kafr area is about 30 hectares, but site only grows to such a size by 5th c Tchalenko plan CXXXVIII		

El Bettir	El Bettir	2291	
(none)		Syria-Coele	
(none)			
Built-up area	1.1	1.5	src: sat
Tchalenko 2/D-VI-34 Tate: 3 rooms			

El Burdaqli	(none)	2296			
(none)		Syria-Coele			
(none)					
Built-up area	6	8	10		src: corona
Tchalenko 1/E-V-14					

Elegoana	(none)	2013
(none)	null	
(none)		
(none)		

Eleutheropolis	Beit Guvrin, בֵּית גֻּבְרִין	2055
Coin. ¹	Syria-Palestina	
Amphitheatre ² ; Aqueduct; Temple		
Built-up area	30	Preferred. NEAEHL 195
¹ Jones, 1971, 278		
² Stern et al., 1993, 195		

El Hosn	(none)	2279			
(none)		Syria-Coele			
Temple					
Built-up area	3	4	6	-	src: Corona
Tchalenko 2/B-VI-6					

El Mšabbak	Mchabbak, Mshabbak	2281
(none)	Syria-Coele	

(none)					
Built-up area	-	2.2	2.5	-	src: corona
Tchalenko 1/F-V-8 Tate: 28 rooms					

el-Mushennef	Al-Mushannaf, el-Mushennef, المشنف	2153			
(none)			Arabia		
Temple					
(none)					
¹ Segal, 2013, 213-216					

Elousa	Haluzza, הלוצה	2030			
(none)			Arabia		
Industry; Orthogonal street plan; Temple; Temple?; Theatre?; Water management structure					
Built-up area ^{1,3,4}	13	13	39	1	200
Sartre 2001 (cit. Negev 1988:39 ha); NEAEHL 380: one third of site built up from middle to late Nabatean period. Note, sizes Negev after Sherehevski 1986, from aerial photography					
Built-up area ^{2,3,4}	13	39	39	200	400
Preferred. Sartre 2001 (cit. Negev 1988:39 ha); NEAEHL 380: one third of site built up from middle to late Nabatean period. Note, sizes Negev after Sherehevski 1986, from aerial photography					
¹ Negev, 1988, 2					
² Negev, 1988					
³ Sartre, 2001					
⁴ Stern et al., 1993, 380					
⁵ Stern et al., 1993, 380, 381					
⁶ Stern et al., 1993, 380-382					
⁷ Stern et al., 1993, 380-381					
⁸ Stern et al., 1993, 1380-1382					

Emesa	Homs	2087			
Stat.; Coin.			Syria-Phoenice		
(none)					
Walled area		125			
Preferred. Poor estimate based on the size of the fortifications around the old town, pulled down by the Ottomans. Supposed to follow the remains of the Roman walls (cf Gaza).					
¹ Abdulkarim, 2001					
² Kropp, 2013					

Emmatha	Hamat Gader, חמת גדר	2154			
(none)			Syria-Palestina		
Aqueduct; Baths; Colonnaded street; Odeum/Odeion; Temple					
Built-up area	6	6.4	7		
Preferred. From map Hirschfeld 1987					
¹ Segal, 1997					
Known for its baths					

Emmaus Nicopolis	Amwas, Imwas	2057			
Coin.			Syria-Palestina		
Amphitheatre?; Aqueduct?; Baths?; Cisterns; Nymphaeum					
Built-up area	40	45	50		
Preferred. Fleckenstein et al. 2003: possibly half					

					a square km for the 'Roman-Byzantine' settlement. Underneath highway interchanges Jerusalem-Tel Aviv.
¹ Fleckenstein et al., 2003, 302					
² Fleckenstein et al., 2003, 309					

Engaddai	Ein Gedi	2155			
(none)			Syria-Palestina		
Aqueduct ¹					
(none)					
¹ Hirschfeld, 2005, 352					
² Hirschfeld, 2005					

En Rimmon	Horvat Rimmon, Khirbet Umm er Rumamin	2118			
(none)			Syria-Palestina		
Temple					
Built-up area ¹	10				Preferred.
¹ Stern et al., 1993, 1284-1285					

En Tamar	(none)	2182			
(none)			Arabia		
(none)					
(none)					

Epiphaneia	Hama	2010			
(none)			Syria-Coele		
Aqueduct?					
(none)					

Eragiza	(none)	2325			
(none)			Syria-Coele		
Circuit wall; Fort (auxiliary)					
Walled area	12				

er-Rama	er-Rama, Rame	2167			
(none)			Syria-Palestina		
Baths ¹					
(none)					
¹ Bonnie, 2014, 153					

Eruandakert	(none)	2018			
(none)			null		
(none)					
(none)					

Eruandashat	(none)	2019			
(none)			null		
(none)					
(none)					

Esbous	Tell Hesban, Tell Hisban	2001			
Coin.			Arabia		
Temple					
Built-up area ¹	6	6			Preferred. Size of mound, confirmed by sat. image.
¹ Stern et al., 1993, 626					

Esen Tepe	al-Kanisah, Esen Tepe	2260			
(none)			Syria-Coele		
(none)					
Built-up area ^{1,2}	9.8	12			Corona suggests 9.8 ha size for mound
¹ Gerritsen et al., 2008					
² Yener, 2005, AS 29					

Eš Šeiḥ Sleimān	Esh Sheikh Sleiman	2282
(none)	Syria-Coele	
(none)		
Built-up area	7.5	src: Corona
Tchalenko 1/G-IV-28 Tate: 64 rooms		
Europos	Jarabulus, Karkamış, جرابلس	2002
(none)	Syria-Coele	
Colonnaded street; Public square; Temple		
Walled area	30 40 40 -300 500	Preferred. src: Newson 188 in Carchemish in Context
Marchetti, 2012, 136		
Eutimia	Al Harah, al-Hārrah, الحارة	2244
(none)	Arabia	
(none)		
(none)		
info: later episcopal seat, instead of nearby metrokomia of Akraha (sartre 1999, 216-217).		
Fäfertin	Fäfirṭin, فافيرتين	2286
(none)	Syria-Coele	
(none)		
Built-up area	2 3 4	src: corona
Tchalenko 1/G-IV-10		
Fidre	Fedra, فدره	2309
(none)	Syria-Coele	
(none)		
Built-up area	1.5 3 3	src: sat
Tchalenko 1/F-IV-14 Tate: 12 rooms		
Frikyā	Farkia, Frikyā, فركيا	2297
(none)	Syria-Coele	
(none)		
Built-up area	3.3 4.3 4.3	src: corona
Tchalenko 3/D-XI-1		
Gabala	ableh	2094
Coin.	Syria-Coele	
Orthogonal street plan; Port; Theatre		
(none)		
Gaba Philippi	(none)	2067
Coin.	Syria-Palestina	
Aqueduct		
Built-up area	14	Preferred. Lapin 2001:89 (after Siegelman 1984)
Gabboula	(none)	2328
(none)	Syria-Coele	
(none)		
(none)		
Gadara	Umm Qais	2068
Coin.	Syria-Palestina	
Aqueduct; Arch; Baths; Circuit wall ⁴ ; Circus; Colonnaded street; Nymphaeum; Orthogonal street plan; Tabernae; Temple; Theatre ⁷		
Walled area ¹	21 22 23	Preferred. From map Hoffman 2002.
Walled area	28 30 31	Preferred. From sat, after map Bührig 2015
¹ Hoffmann et al., 2002, 100, 110-110, 124		
² Hoffmann et al., 2002, 115, 117		
³ Hoffmann et al., 2002		
⁴ Hoffmann et al., 2002, 112		
⁵ Hoffmann et al., 2002, 98-124		
⁶ Richard, 2012, 268-269		
⁷ Sear, 2006, 310, 310-311		

⁸ Segal, 1997		
Ongoing studies headed by Claudia Bührig on city and hinterland. See https://www.dainst.org/projekt/-/project-display/115540		
Gadora	As Salt, Tell Jadur, الساط	2135
(none)	Syria-Palestina	
(none)		
(none)		
Overbuilt. In Decapolis according to Ptolemy, former toparchy capital Perea. Not to be confused with Gadara at Umm Qais		
Gaia	(none)	2193
(none)	Arabia	
Residences; Temple; Water management structure		
(none)		
Gaza	Gaza	2058
Stat.; Coin. ¹	Syria-Palestina	
Circuit wall?; Temple?		
Walled area	42 46 50	Preferred. Poor estimate based on assumption that the course of the 19th c. fortifications match that of the Roman walls (based on Clark et al 2004) Tell is roughly 100 ha. Cf. also Broshi 1979 cit. Goldrat: 90ha.
¹ Tal, 2012		
² Vita Porphyrii		
Gazica	(none)	2342
(none)	Mesopotamia	
(none)		
(none)		
Gephyra	Demirköprü, Jisr Hadid	2255
(none)	Syria-Coele	
Bridge		
Built-up area ²	8 13.2	
¹ Gerritsen et al., 2008, 253		
² Yener, 2005		
Heavily overbuilt		
Gerade	Gerade, Jerade	2273
(none)	Syria-Coele	
(none)		
Built-up area	7.2 9	src: corona
Tchalenko 3/E-XI-2 Tate: 55 rooms around 250CE		
Gerar	Tel Haror	2183
(none)	Syria-Palestina	
(none)		
(none)		
¹ Jones, 1971, 282		
No indications at site itself for Roman settlement. The region however is still present in the bishoprics lists as an estate, the saltus Gerariticus. Note, Birsama (to the south) identified as capital of saltus in 7th century. Related: Pleiades 688021 (saltus gerariticus)		
Gerasa	Jarash, Jerash	2036
Coin.	Arabia	
Aqueduct; Arch; Arch (triumphal); Baths ¹⁴ ; Circuit wall ¹⁰ ; Circus ¹¹ ; Colonnaded street; Market; Nymphaeum; Odeum/Odeion; Orthogonal street plan; Public square; Temple; Theatre ⁷		
Walled area ^{4,10}	85 85 87.3	Preferred. Raja 2012
¹ Hoffmann et al., 2002, 9, 19		
² Kennedy, 2000, 200		
³ Kennedy, 2000		
⁴ Raja, 2012		
⁵ Richard, 2012, 269		

⁶ Richardson, 2002, 101	
⁷ Sear, 2006, 311, 312	
⁸ Sear, 2006, 312	
⁹ Segal, 1997	
¹⁰ Stern et al., 1993, 470	
¹¹ Stern et al., 1993, 472-474	
¹² Stern et al., 1993, 472ff	
¹³ Stern et al., 1993, 472	
¹⁴ Stern et al., 1993, 473	

Gerra	(none)	2175
(none)		Aegyptus
(none)		
(none)		

Gindaros		Cindirêse		2213	
(none)				Syria-Coele	
(none)					
Built-up area	10	15	17		Preferred. info: tell size from Corona image

Gischala	Gush Halav				2161
(none)					Syria-Palestina
(none)					
Built-up area ²		7.8	7.8		Preferred. Village, tell and lower town
¹ Bonnie, 2014, 408					
² Frankel, 2001, 41-42, nr. 340 and 348					
Was a significant village before the revolt (Jos. BJ 2.629). Architectural remains from second to fourth century.					

Gophna	(none)	2207
(none)		Syria-Palestina
(none)		
(none)		

Harāb Šams	Kharab Shams	2284
(none)		Syria-Coele
(none)		
Built-up area	1.7	2
		src: corona
Tchalenko 1/G-IV-5 Tate: 20 rooms		

Hatra		Hatra		2104	
(none)				null	
Circuit wall; Fort (legionary); Temple					
Built-up area	310	314	314	-	Preferred. Sommer 2005
Walled area	310	314	314	-	Sommer 2005
† Sommer, 2005, 355					

Hauara	Humayma, Humeima	2157
(none)		Arabia
Aqueduct ² ; Fort (legionary); Water management structure		
Built-up area ¹	10	Preferred.
¹ Kennedy, 2004		
² Kennedy, 2004, 193-198		
³ Oleson, 2007		

Hayat	Al Hayyat, Hayat, الهيات	2144
(none)		Arabia
Temple		
(none)		
¹ Segal, 2013, 182-183		

Hebran	Hebran, Hobran, حبران	2152
(none)		Arabia
Temple		
(none)		
¹ Segal, 2013, 218		

Hebron	(none)	2336
(none)		Syria-Palestina
(none)		

(none)	
--------	--

Hegra	Al-Hijr, Madā'in Šālih, Madāin Šālih, Madā'in مدائن صالح	2156
(none)		Arabia
Arch; Circuit wall; Cisterns; Inn; Temple; Water management structure		
Walled area ²	52.5	Preferred.
¹ Hegra 35004_i06		
² Nehmé et al., 2015, 37-39		
³ Nehmé et al., 2015, 77		
⁴ Nehmé et al., 2015, 77-83		
⁵ Nehmé et al., 2015, 38		

Heliopolis		Baalbek		2089	
Stat. ² ; Coin.				Syria-Phoenice	
Aqueduct; Baths ³ ; Circuit wall; Colonnaded street?; Temple; Theatre ⁴					
Walled area		70			Preferred. Freyberger and Ragette 1999:45 (70, intramural)
¹ Freyberger et al., 1999					
² Millar, 1990					
³ Rheidt, 2008					
⁴ Rheidt, 2008, 233					

Herbet el Haṭīb	Kherbet el Khatib	2306	
(none)		Syria-Coele	
(none)			
Built-up area	1.1	1.3	src: corona
Tchalenko 2/D05-17 Tate: 9 rooms			

Herbet Eš Šarqiye	Kherbet Esh Sharqiye	2299
(none)		Syria-Coele
(none)		
(none)		
Tchalenko 2/B-VIII-3 issue: not Sharqiye in north		

Hierapolis Bambyke	Mambij	2043
Coin.		Syria-Coele
Aqueduct; Colonnaded street; Necropolis; Temple; Theatre		
(none)		
¹ De Dea Syria		
² Amm. 23.2.6-7		
³ Ball, 2000, 93		
⁴ Ball, 2000, 271		

Hierichous	(none)	2028
(none)		Syria-Palestina
Aqueduct		
(none)		
info: Roman finds rather at Tell abu Hindi, (and Tell Hassan?), later Roman under modern city.		

Hippos	(none)	2069
Coin.		Arabia
Aqueduct; Arch; Baths ² ; Circuit wall ⁴ ; Circus ⁵ ; Colonnaded street; Odeum/Odeion; Public square; Public square (forum) ² ; Temple		
Walled area ¹	8.6	Preferred.
¹ Segal et al., 2007, 88		
² Segal et al., 2007, 102		
³ Segal et al., 2007, 98, 101-102		
⁴ Segal et al., 2007, 95		
⁵ Weiss, 2011, 369		
et al., 2011 7"א 6		

Horlak Atika	Horlak Atika, Tell Khorlak	2271
(none)		Syria-Coele
(none)		
Built-up area ¹		4
¹ Yener, 2005, AS 122		
AS 122		

labruda	(none)	2348
(none)	Syria-Phoenice	
(none)		
(none)		

lamneia	Yavne	2029
(none)	Syria-Palestina	
(none)		
Built-up area	12	50
	50	
Preferred. Broshi 1979 (cit. Gophna). Fischer and Taxel 2007 give 12 ha for the tell, Kletter et al. 2010 gives 15 ha for the tell, but it is clearly indicated in both articles that the settlement extended beyond this (although no figure is given).		

lamneia Paralios	Yavne Yam	2205
(none)	Syria-Palestina	
Port		
Built-up area ¹	10	Preferred.
¹ Broshi, 1979		

Ichnae	(none)	2327
(none)	Osrhoena	
(none)		
Built-up area ¹	5	200
Built-up area	9	-100
¹ Jong, 2011, 266		
² Jong, 2011		

Imma	Reyhanlı, Yenisehir	2212
(none)	Syria-Coele	
(none)		
Built-up area ¹	3	Preferred.
¹ Yener, 2005, AS345		

Ioppe	Jaffa, Yafo, יָפוֹ	2060
Coin. ^{1,2}	Syria-Palestina	
(none)		
Built-up area	3	9
	9	
Preferred. Peilstöcker and Burke 2011 (3ha tell, up to 9 including lower town)		
¹ Peilstöcker et al., 2011, 105		
² Tal, 2012		

Iram	Wādī Ramm, Wadi Rum	2186
(none)	Arabia	
Baths; Residences; Temple		
(none)		
¹ Kennedy, 2004, 204		

Jebel Sheikh Barakat	Esh Sheikh Barakat, Jebel Sheikh Barakat	2226
(none)	Syria-Coele	
Temple		
Built-up area	2	3.3
	4	
Info: from satellite imagery		
¹ Ball, 2000, 219		
² Tchalenko, 1953, 106		
Temple and houses. Tchalenko map 1.F04 23. Associated village, Tchalenko map 1.F04 28, lies 750 meters to the west.		

Jisr Ash Shughur	Gisr as-Sugur, Jisr al-Shughur, Jisr ash-Shugur, جسر الشغور	2219
------------------	---	------

(none)	Syria-Coele	
(none)		
Built-up area	8.2	8.2
src: corona, tell size		

Kadasa	(none)	2162
(none)	Syria-Phoenice	
Temple		
Built-up area ¹	9.5	Preferred.
¹ Stern et al., 1993, 855		
² Stern et al., 1993, 859		

Kafr Nabo	Kafr Nabo, Kafr Nabu	2228
(none)	Syria-Coele	
Temple?		
Built-up area	1.8	2
	4	
src: corona issue: rather spread out		
¹ Ball, 2000, 219		
² Tate, 1992, 65-82, note 1		
Tchalenko 1/G-IV-1 Tate: 57 rooms		

Kainepolis	(none)	2020
(none)	null	
(none)		
(none)		

Kalōta	Kalota, Kalüte, كالوطا	2240
(none)	Syria-Coele	
Temple		
Built-up area	4	4.5
	5	
src: corona		
¹ Tchalenko, 1953		
Info: Temple approximately 500 meters to the east, on high place (Tchalenko map 1/G-IV-04, Qal'at Kalōta) Tate: 8 rooms Plan CXXIX		

Kaprokera	Burdj Heidar, Burğ Heidar	2241
(none)	Syria-Coele	
Temple?		
Built-up area	2.6	3
	3.3	
src: corona		
¹ Tchalenko, 1953, 15		
Burğ Heidar		

Karataş	Karataş, Nejar Tepe	2268
(none)	Syria-Coele	
(none)		
Built-up area ¹	5	6.45
5 ha from Corona		
¹ Yener, 2005, AS 151		
AS151		

Kasion	(none)	2174
(none)	Aegyptus	
(none)		
(none)		

Kastal Çiftliği	Kastal Çiftliği	2263
(none)	Syria-Coele	
(none)		
Built-up area ¹	5	
¹ Yener, 2005, AS 206		
AS206		

Kefar Hananya	Kefar Hananya, Kfar Hanania, כְּפַר חֲנַנְיָה	2163
(none)	Syria-Palestina	
Aqueduct; Industry		
Built-up area ²	4.1	5
	6	
Preferred.		
¹ T Bava Metzia 6.3		
² Leibner, 2009, 135		
³ Leibner, 2009, 132		

Kefr Fenše	Kefr Fenshe	2293
(none)	Syria-Coele	
(none)		

(none)							
Tchalenko 2/D-VI-24							
Kfar Rouma		Kfer Rūma					2277
(none)							Syria-Coele
Temple							
(none)							
† Tchalenko, 1953, 14							
Tchalenko 3/D-XII-2							
Kfeir		Kfeir					2290
(none)							Syria-Coele
(none)							
Built-up area	1	1.5	2				src: corona
Tchalenko 2/C-V-23 Tate: 5 rooms							
Kfellūsīn		Kafaldīn, Kfellusin, كفالدين					2315
(none)							Syria-Coele
(none)							
Built-up area	1.5	1.5	3				src: corona
Tchalenko 1/E-V-4 Tate: 6 rooms							
Khirbat Ra'fah		Er-Rafeh, Khirbat Ra'fah, Rayfa					2146
(none)							Arabia
(none)							
(none)							
info: Metrokomia info: near Sheikh Miskin/Maskin							
Khirbet al-Tahoun		Khirbet al-Tahoun					2256
(none)							Syria-Coele
(none)							
Built-up area ¹		4.5					
† Yener, 2005, AS202							
AS202							
Khirbet Brak		(none)					2194
(none)							Arabia
(none)							
(none)							
megajordan: 4247							
Khirbet ed-Dharih		Khirbet ed-Dharih					2201
(none)							Arabia
Temple							
(none)							
type: sanctuary							
Khirbet et-Tannur		Khirbet et-Tannur					2200
(none)							Arabia
Temple							
(none)							
type: sanctuary							
Khirbet Sheikh Barakat		Khirbet Sheikh Barakat					2227
(none)							Syria-Coele
(none)							
Built-up area ¹	6	7	8				info: from satellite images. info: Tchalenko actually says 300 by 500 m, so 15 ha
† Tchalenko, 1953, 109							
Tchalenko map 1.F04 28. Temple on the hill to the east.							
Kifrin		(none)					2320
(none)							Syria-Coele
Circuit wall; Fort (auxiliary)?							
Walled area		9					src: corona - poorly done. Import excav. map, re-measure
Flooded by dam							

Kirmitli	Kirmitli	2262
(none)	Syria-Coele	
Inn?		
(none)		
¹ Gerritsen et al., 2008, 257, 270		
info: 64x64 meter enclosure may be Roman station. Surface finds only islamic though. info: with only islamic finds, the 6 ha given in Yener et al. is unlikely to have represented the Roman situation. AS190		

Kiṣ'ale	Kish'ale	2294			
(none)	Syria-Coele				
(none)					
Built-up area	2	3	5	-	src: corona
Tchalenko 1/E-V-15					

Kseḡbe	Ksejbe	2295			
(none)	Syria-Coele				
(none)					
Built-up area	-	1.5	2	-	src: corona
Tchalenko 2/E-V-25 Tate: 21 rooms					

Laodicea ad Libanum	(none)	2209			
(none)	Syria-Phoenice				
(none)					
Built-up area ^{1,2}	-	70	-	-	
¹ Parr, 2015					
² Sauvaget, 1941, 43					

Laodicea ad Mare	Latakia, اللاذقية	2096			
Stat. 1; Coin.	Syria-Coele				
Aqueduct; Arch; Circuit wall; Orthogonal street plan; Port; Theatre					
Built-up area ²	-	170	-	-	Preferred.
Walled area ²	-	220	-	-	
¹ Millar, 1990					
² Sauvaget et al., 1934					
³ Todt et al., 2014, II.1429-1449					

Larissa	Shayzar	2012			
Coin.	Syria-Coele				
Baths?; Circuit wall?; Industry; Theatre?					
Walled area ¹	-	45	-	-	Preferred. Grawehr 2009:210 (24 ha tell, 45 ha fortified hellenistic/roman settlement)
¹ Grawehr et al., 2009, 210					
² Grawehr et al., 2009, 225					
³ Grawehr et al., 2009, 222-224					

Legio	Lajjun	2071			
(none)	Syria-Palestina				
Amphitheatre?; Aqueduct; Bridge; Colonnaded street; Fort (legionary); Industry; Theatre?; Water management structure					
Built-up area	5	15	25	-	Area of Kefar Othnai, Rough estimate based on area around Megiddo Prison. Suggested location Kefar Othnai after Y. Tepper 2006
Built-up area	-	30	-	-	Preferred. Civilian settlement + military base, for mapping purposes
Walled area	-	65	100	300	Rough estimate for Maximianopolis: Maximum from Broshi 1979 (cit. Gichon). Estimate after modern size of Kibbutz Megiddo
Walled area	13	15	20	-	Size for the military base. Depending on extension towards northeast. either

						around 12.5 or 20 hectares. (Tepper et al. 2017, 99)
Leuke Kome	Al Wajh					2158
(none)						Arabia
Port						
(none)						
¹ Nappo, 2010 Location uncertain. Either at al-Wajh or at Aynuna. [See Nappo 2010]						
Maaga	Mhajjah, محجه					2254
(none)						Arabia
(none)						
(none)						
Madaba	Madaba					2037
Coin. ¹						Arabia
Baths?; Circuit wall?; Colonnaded street; Temple?; Water management structure						
(none)						
¹ Jones, 1971, 294 ² Stern et al., 1993, 993 excavators: M. Piccirillo, T. Harrison, G. Bisheh info: Settlement since Early Bronze Age I. Substantial Iron Age II urban centre (13-16 ha). Late Hellenistic (2nd or early 1st c. BCE) structures directly over Iron II deposits. (Harrison 2007). Especially known for its 6th century mosaics, including of course the Madaba map.						
Mafsheta	Fassuta					2170
(none)						Syria-Phoenice
(none)						
(none)						
Magdala	(none)					2115
(none)						Syria-Palestina
Aqueduct?; Baths ¹³ ; Horrea; Industry; Nymphaeum; Orthogonal street plan; Port; Public square; Tabernae; Temple; Water management structure						
Built-up area ^{2,14}	9	10	-		250	Preferred. De Luca: "[...] at times stretched over an area of at least ten hectares." But considering gradual abandonment northern sector after the Second Revolt, could be smaller.
Built-up area ^{1,15}	4.1	5	6	250	350	
Built-up area ^{1,15}	0.4	0.5	1	350	-	
¹ Bonnie, 2014, 180 ² De Luca et al., 2014, 299 ³ De Luca et al., 2014, 128, 142-147 ⁴ De Luca et al., 2015, 299-300, 305 ⁵ De Luca et al., 2015, 302 ⁶ De Luca et al., 2015, 306, 308-310 ⁷ De Luca et al., 2015, 305, 320 ⁸ De Luca et al., 2015, 304, 308, 325-326 ⁹ De Luca et al., 2015, 312-318 ¹⁰ De Luca et al., 2015, 305 ¹¹ De Luca et al., 2015, 324-325 ¹² De Luca et al., 2015, 303 ¹³ De Luca et al., 2015, 319-324 ¹⁴ Leibner, 2009, 275 ¹⁵ Leibner, 2009, 234-235 (Former?) toparchy capital, even after foundation Tiberias. Parts of city (north) progressively abandoned from end first to later second century CE. Signs of damage from both revolts (De Luca and Lena 2015: 328)						
Magdolos	Tell el-Heir					2105
(none)						Aegyptus
(none)						
Built-up area ¹	-	80	-	-	-	Preferred. NEAEHL 1394-5

¹ Stern et al., 1993, 1394-1395						
Maglula	(none)					2347
(none)						Syria-Phoenice
(none)						
(none)						
Maiumas	Binyamina, Kefar Shuni, Shuni					2216
(none)						Syria-Palestina
Aqueduct; Baths ³ ; Temple?; Theatre ^{2,3}						
(none)						
¹ Henderson, 1992, 24 ² Henderson, 1992, 24, 26 ³ Stern et al., 1993, 1382-1384 excavator: E. Shenhav. Not to be confused with the Maiumas near Gaza.						
Mampsis	ממשית					2126
(none)						Arabia
Circuit wall						
Built-up area	4.2	4.2	5	1	275	Preferred. Negev 1988: Middle Nabatean (1st c. CE) somewhat larger than later walled area.
Walled area ¹	-	4.17	-	275	-	
¹ Negev, 1988, 4						
Marathos	Amrit					2218
Coin.						Syria-Phoenice
Port; Stadium; Temple						
(none)						
Mariamme	Mariamin, مريمين					2098
(none)						Syria-Phoenice
(none)						
(none)						
Dussaud 1897, 314-317: at village Mariamin, not Krak des Chevaliers or Safita. Jones 234-235: Had been city in territory Arados before Alexander (Arr. Anab. 2.13.8).						
Mayamas	Mayamas, مياميس					2143
(none)						Arabia
Temple						
(none)						
¹ Segal, 2013, 218						
Ma'aramāyā	Ma'aramaya					2308
(none)						Syria-Coele
(none)						
Built-up area	-	0.8	1	-	-	src: corona
Tchalenko 2/D-V-26 Tate: 1 room						
Melah	Melah, ملح					2246
(none)						Arabia
(none)						
(none)						
Meleagrum	Ceylanlı Köyü					2215
(none)						Syria-Coele
Orthogonal street plan						
Built-up area	10	15	21	-	-	Preferred. src: Corona satellite, 10 to 21 ha. info: (Yener) at least several hectares
¹ Yener, 2005, 42-43						
Note, nearby AS273 is necropolis						
Meron	Meiron					2166
(none)						Syria-Palestina
Temple						
Built-up area ¹	-	2	2	-	-	Preferred.

¹ Frankel, 2001, 38, nr. 305					
² Meyers et al., 1978					

Meroth	(none)	2160			
(none)		Syria-Palestina			
(none)					
Built-up area ¹	0.4	3	5		Preferred.
¹ Stern et al., 1993, 1029-1031					

Mezad Thamar	(none)	2322
(none)		Arabia
Fort (legionary)		
(none)		
¹ GICHON, 1976		
² Shmueli et al., 2009		
type: late fort		

Mezad Yeroham		Mezad Yeroham, מזד ירוחם		2125	
(none)				Arabia	
(none)					
Built-up area [‡]		5	10	300	Preferred. NEAEHL: Smaller than Byzantine size
Built-up area [‡]		10		300	Byzantine size
‡ Stern et al., 1993, 1135-1145					
Not in Pleiades					

Mo'a	(none)	2196
(none)		Arabia
Inn		
(none)		
info: station?		

Mogiza	Ma'az, Me'ez, Meez, ماعز					2229
(none)					Syria-Coele	
Inn; Temple; Water management structure						
Built-up area	3	3	11		src: corona issue: rather dispersed village, open spaces	
¹ Ball, 2000, 219						
² Tchalenko, 1953, 280-281						
³ Tchalenko, 1953, 280						
Tchalenko 2/D-VI-16						

Mothana	Imtan, امتان	2247
(none)		Arabia
Fort (auxiliary)		
(none)		
i Jones, 1971, 293		
Village in territory of Bostra. Auxiliary troops stationed here		

Mugleyya	Mugleyya	2275			
(none)		Syria-Coele			
(none)					
Built-up area	4.6	4.8	5.2		src: corona
Tchalenko 3/C-XI-16 Tate: 11 rooms					

Narbata	(none)	2339
(none)	Syria-Palestina	
(none)		
(none)		

'Naxouana'	(none)	2014
(none)	null	
(none)		
(none)		

Neapolis	Nablus	2062
Stat.; Coin.		Syria-Palestina
Amphitheatre ¹ ; Aqueduct ¹ ; Circus ¹ ; Colonnaded street; Temple; Theatre ¹		
Walled area	100	Preferred. NEAEHL 1355
¹ Stern et al., 1993, 488-490		

Neeila	Inkhil, إنخل	2243
(none)		Arabia
(none)		
(none)		
info: Metrokomia		

Negla	Nejel, نجل	2202
(none)	Arabia	
(none)		
(none)		

Nessana	Nitzana	2122
(none)		Arabia
Inn; Temple		
Built-up area ^{1,2}	17	Preferred.
¹ Negev, 1988, 2		
² Sartre, 2001		

Neue	Nawa, نوى	2016
(none)		Arabia
(none)		
(none)		
† Sartre, 1999, 218		
Later episcopal see		

Nicephorium	Raqqa	2052		
Coin. ¹		Osrhoena		
(none)				
Walled area	78	78	600	De Jong 2011:268
¹ Cohen, 2006, 78				

Nihata	(none)	2208
(none)		Syria-Phoenice
(none)		
(none)		
info: (millar 1990) In territory Berytus.		

Nisibis			Nusaybin			2106		
Stat. ¹						Mesopotamia		
Aqueduct?; Bridge; Circuit wall; Fort (legionary); Temple								
Walled area ²		80	110	150		350	After interpreted Corona/aerial photography in Palermo 2014	
¹ Millar, 1990								
² Palermo, 2014								
³ Palermo, 2014, 463								
Partially covered by modern Nusaybin, partially by minefield in border zone Turkey - Syria. (Palermo 2014)								

Nūriye		Nuriye		2319	
(none)				Syria-Coele	
(none)					
Built-up area	0.2	0.35	0.4	-	src: sat
Tchalenko 2/D-V-31 Tate: 2 rooms					

Oboda	Avdat	2124
(none)		Arabia
Temple		
Built-up area ¹	8.5	Preferred.
¹ Negev, 1988, 2		
² Negev, 1997, 24-38, 38-60		
³ Stern et al., 1993, 1155		

Orela	Al Jnenih, Junnein, الجنيينة	2245
(none)	Arabia	
(none)		
(none)		

Orthosia	(none)	2082
Coin.	Syria-Phoenice	
(none)		
(none)		

Ostrakine	Tell Athar el-Filusiyyat	2111
(none)		Aegyptus
(none)		
Built-up area ¹	200	Preferred.
¹ Stern et al., 1993, 1171-1173		
Pliny NH 5.14.68: This is where Arabia begins		

Ourima	Horum Höyük	2045
Coin.		Syria-Coele
(none)		
(none)		

Pagrae	(none)	2214
(none)		Syria-Coele
(none)		
Built-up area ¹	4.5	Preferred.
¹ Yener, 2005, AS248		

Palmyra	Tadmur	2090
Stat. ¹		Syria-Phoenice
Aqueduct; Arch; Baths ⁷ ; Bouleuterion ² ; Circuit wall ¹² ; Colonnaded street; Fort (legionary); Nymphaeum; Orthogonal street plan; Public square; Public square (agora); Temple; Theatre ^{5,7}		
Walled area	120	Preferred. Dentzer 2010: Diocletian wall. Sommer 2005: Walled area suggested to be smaller than the city had been at its height in the second and third centuries.
¹ Millar, 1990		
² Richard, 2012, 273		
³ Richardson, 2002, 50		
⁴ Richardson, 2002, 51		
⁵ Sear, 2006, 321-322		
⁶ Sommer, 2005, 147-148		
⁷ Sommer, 2005, 143		
⁸ Sommer, 2005, 142-143		
⁹ Sommer, 2005, 140, 143, 145, 146		
¹⁰ Sommer, 2005, 142, note 11		
¹¹ Sommer, 2005, 144-145		
¹² Sommer, 2005, 148		

Paltos	(none)	2021
Coin. ¹		Syria-Phoenice
(none)		
(none)		
¹ Jones, 1971, 263		

Pegai	(none)	2006
Coin.		Syria-Palestina
Odeum/Odeion; Tabernae		
Built-up area	6.6	NEAEHL: two thirds of mound (=10ha) in Herodian period, until first revolt.
Built-up area	10	Preferred. NEAEHL 71: City regains size of Middle Bronze Age II settlement (around 10 ha). Also, at least 10 hectares after 363CE earthquake
¹ Finlayson, 2012		
² Stern et al., 1993, 70		

Pella Dekapoleos	Tabaqat Fahl	2072
Coin.		Syria-Palestina
Baths ² ; Nymphaeum; Odeum/Odeion; Temple		
Walled area	10	Preferred. From map in Houston and Day 1989:3.

¹ Sear, 2006, 313		
² Stern et al., 1993, 1174-1180		

Pelusium	Tell el-Faramah	2107
(none)		Aegyptus
(none)		
Walled area ¹	130	Preferred. Issue: add source for new research at 130 ha.
¹ Stern et al., 1993, 1394		

Petra	(none)	2076
Stat.; Coin.		Arabia
Aqueduct ^{1,7} ; Arch; Baths ¹⁴ ; Bouleuterion ² ; Circuit wall; Colonnaded street; Nymphaeum; Palace; Palace ² ; Residences; Tabernae; Temple; Theatre ^{2,15} ; Water management structure		
Walled area	67	Preferred. Guzzo and Schneider 2002, from map, within 'outer wall'.
¹ Bedal, 2004, 94-97		
² Finlayson, 2012		
³ Kanellopoulos, 2001, 13		
⁴ Kanellopoulos, 2001, 11		
⁵ Kanellopoulos, 2001, 11-12, 13-16		
⁶ Kolb, 2007		
⁷ Oleson, 2007		
⁸ Richard, 2012, 275		
⁹ Richardson, 2002, 76		
¹⁰ Richardson, 2002, 68, 70		
¹¹ Richardson, 2002, 62		
¹² Richardson, 2002, 72		
¹³ Richardson, 2002, 71-72		
¹⁴ Richardson, 2002, 75		
¹⁵ Sear, 2006, 314		
¹⁶ Stern et al., 1993, 1181-1193		

Phaine	El Mismiye	2026
(none)		Arabia
Temple		
(none)		
¹ Segal, 2013		
info: Metrokomia		

Phaino	Khirbet Faynan	2198
(none)		Arabia
Aqueduct; Industry; Water management structure		
Built-up area	15	src: Novo et al
¹ Barker et al., 2000		
² Barker et al., 2007		
³ Hunt et al., 2007		
⁴ Kafafi, 2014		
⁵ Mattingly et al., 2007		
info: imperial estate info: copper mining region since chalcolitic		
info: not to be confused with Phaina in Trachonitis		

Phasaelis	(none)	2181
(none)		Syria-Palestina
Aqueduct		
(none)		

Philadelphieia	Amman	2033
Coin.		Arabia
Aqueduct; Circuit wall ⁷ ; Colonnaded street; Nymphaeum; Odeum/Odeion; Orthogonal street plan; Public square (agora); Theatre ^{2,4}		
Built-up area	28	Preferred. NEAEHL 1251; cf. Lichtenberger 2003:247: 46ha between tower and necropoleis.

¹ Bonnie, 2014, 223		
² Finlayson, 2012, 312		
³ Hoffmann et al., 2002, 88-97		
⁴ Sear, 2006, 315		
⁵ Sear, 2006, 315-316		
⁶ Segal, 1997		
⁷ Stern et al., 1993, 1243-1252		

Philippopolis	Shahba				2129
Stat.				Arabia	
Aqueduct ³ ; Arch; Baths ³ ; Circuit wall ³ ; Cisterns; Nymphaeum; Odeum/Odeion; Orthogonal street plan; Residences; Tabernae; Temple; Theatre ³					
Built-up area ¹	-	10	-	100	244 Preferred.
Walled area ^{2,4}	-	98.9	100	244	[Dentzer 2010]
¹ Darrous et al., 2004, 18					
² Darrous et al., 2004, 21					
³ Darrous et al., 2004					
⁴ Sartre, 2001					

Philoteria	(none)				2130
(none)					Syria-Palestina
Aqueduct; Baths					
Built-up area ^{1,2}	20	20	25	-	Preferred. 25 ha tell size
¹ Lapin, 2001					
² Stern et al., 1993, 255					

Porphyreon Polis	Ijeh, Jiyeh				2114
(none)					Syria-Phoenice
(none)					
Built-up area ¹	-	7.7	7.7	-	Preferred.
¹ Gwiazda, 2014, 34					

Qasrawet	(none)				2176
(none)					Aegyptus
Temple					
Built-up area ^{1,2}	20	25	30	-	Preferred.
¹ Oren, 1982					
² Stern et al., 1993, 1213-1218					
info: (NEAHL 1396) at qatya oasis. Location not quite clear in Oren					
info: mostly public buildings and graves, few domestic units					

Qasr Iblisū	Qasr Iblisu				2304
(none)					Syria-Coele
(none)					
Built-up area	-	3	-	-	src: corona
Tchalenko 2/D-V-13					

Qatura	Fatūrah, Qatura, قاتورة				2231
(none)					Syria-Coele
(none)					
Built-up area ¹	-	5	-	-	
¹ Tchalenko, 1953, 189					

Qazion	(none)				2159
(none)					Syria-Palestina
Temple					
(none)					
Rural cult-site					

Qerqanyā	Kourkanya, قورقانيا				2292
(none)					Syria-Coele
(none)					
Built-up area	-	6.8	8	-	src: corona
Tchalenko 2/D-VI-19					

Qirqbize	Qirqbize				2287
(none)					Syria-Coele
(none)					
Built-up area	-	1	1	-	
Tchalenko 2/D-VI-1 Tate: 9 rooms					

Raphanae	(none)				2100
Coin. ¹					Syria-Phoenice
Fort (legionary)					
Walled area	-	60	-	-	Preferred. Gschwind 2009:251
¹ [src]					

main info: gschwind 2009; gschwind 2014 location checked with Corona Dussaud 1897: 15 minutes from Barin (Mons Ferrandus, crusader castle)

Raphia	(none)				2063
Coin.					Syria-Palestina
(none)					
Built-up area	-	12	-	-	Preferred. Broshi 1979 (cit. E. Oren)

Rbei'a	(none)				2276
(none)					Syria-Coele
(none)					
Built-up area	-	1.2	-	-	src: corona
Tchalenko 3/D-XI-12 Tate: 12 rooms					

Rdeimeh ash-Sharqiyyeh	Rdeimeh ash-Sharqiyyeh, Rdemet ash-Sharqiyah				2249
(none)					Arabia
(none)					
(none)					

Refade	(none)				2234
(none)					Syria-Coele
(none)					
Built-up area	3.5	4.2	4.2	-	src: corona, sat
Tchalenko map 1/F-IV-17 info: not to be confused with Fidra or Fedra, village 1.5 km further west (DARE:43275) info: Tchalenko vol 2 Pl. LXIII Tate: 20 rooms					

Regia	(none)				2331
(none)					Syria-Coele
(none)					
(none)					

Rehovot	Khirbet Ruheibe, Rehovot, Rehovot-on-the-Negev				2121
(none)					Arabia
Baths ³ ; Temple; Water management structure					
Built-up area ^{1,2,3}	-	10.3	12.1	-	Preferred.
Built-up area ³	10	12.1	12.1	300	500
¹ Negev, 1988, 2					
² Sartre, 2001					
³ Stern et al., 1993, 1275					
⁴ Stern et al., 1993, 1276					

Resafa	(none)				2324
(none)					Syria-Coele
(none)					
(none)					

Resaina	Ras al-Ayn, رأس العين				2053
Stat. ¹ ; Coin.					Osrhoena
(none)					
Built-up area	-	100	-	-	Preferred. issue: Poor estimate and presumably very late. From Pollard 2000:274 (referring to Von Oppenheim, early 20th c. 'ruins over one hundred hectares')
¹ Millar, 1990					

Rhinocolura	El-Arish				2173
(none)					Aegyptus
(none)					
Built-up area ¹	-	10	-	400	-
¹ Stern et al., 1993, 1396					

Ruweiha	Rouweiha, Ruweiha	2221
(none)	Syria-Coele	
(none)		
Built-up area	7 8 10	src: corona
Double entry in pleiades, see also 668355. Tchalenko map 3.E10		
Tate: 114 rooms around 250 CE		

Sabra	Wadi Sabra	2131
(none)	Arabia	
Aqueduct; Odeum/Odeion; Temple		
(none)		
¹ Richardson, 2002, 64		
² Sear, 2006, 314		

Sadaqa	As Sadaqa, الصدقة	2192
(none)	Arabia	
(none)		
(none)		

Sahr	Sahr, Sahr	2137
(none)	Arabia	
Odeum/Odeion; Temple		
Built-up area ¹	11.9	Preferred.
¹ Kalos, 1997, 186		
² Kalos, 1997		
³ Kalos, 1997, 976-977		
Regional sanctuary, but likely no permanent habitation		

Sakkaia	Shaqqa, شقا	2141
(none)	Arabia	
Temple; Theatre?		
(none)		
¹ Segal, 2013		

Sauara	As Sawara Al Kubra, الصورة الكبرى	2138
(none)	Arabia	
(none)		
(none)		
Metrokomia		

Saura	Sur al Laja, صور	2147
(none)	Arabia	
Odeum/Odeion; Temple		
(none)		
¹ Segal, 2013, 180-181		
info: Metrokomia		

Scythopolis	Baysan, Beit She'an, בית שֵׁאן	2073
Coin.	Syria-Palestina	
Amphitheatre ³ ; Aqueduct; Basilica; Baths ⁸ ; Bridge; Circuit wall ¹¹ ; Circus ⁶ ; Colonnaded street; Nymphaeum; Odeum/Odeion; Portico; Public square; Public square ² ; Public square (agora); Tabernae; Temple; Theatre ⁸		
Built-up area	70 80 80	300 Preferred. Tsafirir 1997:94
Built-up area	130 130 400 700	NEAEHL 223
Walled area	150	Tsafirir and Foerster 2002:85
¹ Richard, 2012, 279		
² Stern et al., 1993, 227-230		
³ Tate, 1997, 99		
⁴ Tsafirir et al., 1994, 99-100		
⁵ Tsafirir et al., 1994		
⁶ Tsafirir et al., 1997, 99		
⁷ Tsafirir et al., 1997, 92, 96		
⁸ Tsafirir et al., 1997, 89		
⁹ Tsafirir et al., 1997, 96, 122-123		
¹⁰ Tsafirir et al., 1997, 89, 96		
¹¹ Tsafirir et al., 1997, 101-102		
¹² Tsafirir et al., 1997		

Sebaste	Sabastiya, سبسطية	2064
Stat.1; Coin. ²	Syria-Palestina	

Aqueduct; Basilica; Circuit wall; Circus; Colonnaded street; Orthogonal street plan; Public square (forum); Temple; Theatre		
Walled area	64	Preferred. Sartre 2001
¹ Millar, 1990		
² Stern et al., 1993		
³ Stern et al., 1993, 1300-1310		

Seia	Si'	2151
(none)	Arabia	
Odeum/Odeion; Temple		
(none)		
¹ Segal, 2013, 206-213		
Sanctuary with small agricultural village		

Selaima	Slim, سليم	2149
(none)	Arabia	
Temple		
(none)		
¹ Segal, 2013, 191-195		

Seleucia Pieria	(none)	2095
Coin.	Syria-Coele	
Aqueduct; Circuit wall ³ ; Colonnaded street; Fort (legionary); Horrea; Port; Public square (agora); Residences; Temple; Theatre ³ ; Water management structure		
Built-up area	130	Preferred. Upper town is heavily sloped, effectively only a quarter of which can be considered buildable.
Walled area ¹	240 250 310	Pamir 2005:74: "Over 300 ha" On basis of georeferenced maps from Pamir 2005 and Pamir 2014: Lower town 88 ha, upper town less clear, but 160 ha seems to be the limit.
¹ Pamir, 2005, 74		
² Pamir, 2014, 189		
³ Pamir, 2014		
⁴ Pamir, 2014, 181		
⁵ Pamir, 2014, 187		
⁶ Todt et al., 2014, II.1716		

Seremym	Sarmin, سرمين	2222
(none)	Syria-Coele	
(none)		
(none)		
¹ Todt et al., 2014, 1722-1723		

Sergible	Sergible, Serjible	2310
(none)	Syria-Coele	
(none)		
Built-up area	2 3	src: sat
Tchalenko 1/E-V-6 Tate: 18 rooms		

Sergilla	Sergilla, Serjilla	2210
(none)	Syria-Coele	
Baths ²		
Built-up area ¹	7	Preferred.
¹ Abdulkarim et al., 2009		
² Ball, 2000, 219		

Seriane	Isriye	2349
(none)	Syria-Coele	
(none)		
(none)		
¹ Konrad, 2001, 150		

Sermada	Šarmadā, سمرمدا	2235
(none)	Syria-Coele	
(none)		
Built-up area	12 12	src: corona issue: 1969 size, inhabited
Sharah	El Sharayah, الشرائع	2136
(none)	Arabia	
Baths ¹ ; Circuit wall; Temple		
Walled area	17 1	Preferred. src: Bruant 2010; 1st century
¹ Fournet, 2008		
² Kalos, 2001		
Shimron	(none)	2169
(none)	Syria-Palestina	
(none)		
(none)		
Sidon	Saïda, صيدا	2084
Stat.; Coin.	Syria-Phoenice	
Port; Theatre		
(none)		
Sile	Tell Abu Seifa, Tell Abu Seifeh	2185
(none)	Aegyptus	
(none)		
Walled area ¹	20	Preferred.
¹ Stern et al., 1993		
Singara	Sindjar, Sinjar, شنگار	2109
Stat.	Mesopotamia	
Circuit wall; Fort (legionary)		
Walled area ²	18 20 22 363	Preferred.
¹ Isaac, 1990, 42		
² Oates, 1968, 98, Fig. 8		
³ Pollard, 2000, 274-275		
⁴ ILS 9477		
Initial situation unclear. Possible location of pre-existing settlement upon instalment fortress. Grows into sizeable fortress city in later centuries.		
Sinhār	Sinhar	2285
(none)	Syria-Coele	
(none)		
Built-up area	3 4	src: corona
Tchalenko 1/G-IV-21 Tate: 20 rooms		
Sinsarah	Khīrbet Ḥās, Šinšarāh	2274
(none)	Syria-Coele	
Temple		
Built-up area	5 5.5 6	src: corona sat
¹ Tchalenko, 1953, 15		
Tchalenko 3/C-XI-22 Tate: 55 rooms		
Sitt er Rum	Set al-Roum, Sitt er Rum	2233
(none)	Syria-Coele	
(none)		
Built-up area	0.5 1 1.3	
Tchalenko map 1/F-IV-18 Plan LXIII		
Smeid	Smeid, صميد	2252
(none)	Arabia	
(none)		
(none)		
Sobata	Shivta	2123
(none)	Arabia	

Aqueduct?; Industry		
Built-up area ¹	8	Preferred.
¹ Negev, 1988, 2		
Soudanon	(none)	2127
(none)	Arabia	
(none)		
Built-up area ¹	2.5 300	Negev 1988: late Roman
¹ Negev, 1988, 2		
Srir	(none)	2230
(none)	Syria-Coele	
Temple		
Built-up area	0 0.5 1	src: corona issue: only a temple, really
¹ Ball, 2000, 219		
² Tchalenko, 1953, 14		
High place temple, several nearby villages (incl. Aqibrin, 1 km to north)		
Sura	al-Suriyya	2323
(none)	Syria-Coele	
Fort (legionary)		
Walled area	75 300 540	From sat/corona. Compare Poidebard and Kennedy, Desert Frontier. Pollard (296) mentions an area of 40 hectares, but even the western section alone is 50 hectares. Remains suggested to be Justinianic.
Walled area	20 23 25 300	Preferred. From sat/corona. Compare Poidebard and Kennedy, Desert Frontier. As indicated by Ali Othman 2016, northeastern section, bound by adobe wall, contains Roman period, while walled southeastern area is "Byzantine"
¹ Pollard, 2000, 295		
Likely no status as city.		
Surqaniyā	Surqniya	2313
(none)	Syria-Coele	
(none)		
Built-up area	1 1 1.5	src: sat/corona
Tchalenko 1/F-IV-16 Tate: 10 rooms		
Susiya	Susya	2119
(none)	Syria-Palestina	
Baths; Temple		
Built-up area	6	Preferred.
Sykomazon	Deir al Balah, Khirbet Suq Mazen	2120
(none)	Syria-Palestina	
Industry		
Built-up area ¹	10	Preferred.
¹ Stern et al., 1993, 1396		
Taqle	Taqle	2311
(none)	Syria-Coele	
(none)		

Built-up area	1.9	2.2			src: corona
Tchalenko 1/F-IV-15 Tate: 10 rooms					
Telanissos	Deir Seman, Deir Sim'an, دير سمعان				2238
(none)	Syria-Coele				
(none)					
Built-up area ¹	7	9	9		src: corona
¹ Tchalenko, 1953, Plan CXXXII					
Only rises to prominence as a pilgrimage site with foundation of St. Simeon's sanctuary					
Tell al-Far	Tell al-Far				2266
(none)	Syria-Coele				
(none)					
Built-up area ¹		5			
¹ Yener, 2005, AS 110					
AS110, Sha info: possibly abandoned with expanding marshes/lake.					
Tell al-Terzi	Tell al-Terzi, Terzhüyük				2265
(none)	Syria-Coele				
(none)					
Built-up area ¹		5			
¹ Yener, 2005, AS 104					
AS104					
Tell Amarna	(none)				2326
(none)	Syria-Coele				
(none)					
Built-up area ¹		6			
¹ Wilkinson et al., 2007, 188-9					
Tell Aqibrin	Tal Alkarama, Tell Aqibrin, تل الكرامة				2237
(none)	Syria-Coele				
(none)					
Built-up area ¹		4	4.5		src: corona
¹ Tchalenko, 1953, Pl. XLVI					
See Tchalenko Pl. XLVI					
Tell Hasanuşağı	Tell Hasanuşağı, Yerkuyu, Yurt Höyük				2264
(none)	Syria-Coele				
(none)					
Built-up area ¹		7			
¹ Yener, 2005, AS 99					
AS 99					
Tell Mastepe	Tell Mastepe				2267
(none)	Syria-Coele				
(none)					
Built-up area ¹		6.24			
¹ Yener, 2005, AS 156					
AS156					
Tell Sultan	Tell Sultan				2259
(none)	Syria-Coele				
(none)					
Built-up area ^{1,2}		9	12.2		9 hectares size of tell from Corona, rather than 12+ from AVR
¹ Gerritsen et al., 2008					
² Yener, 2005, AS 32					
AS 32					
Tell Tītā	Talteta, Tell Tita, تلتيتا				2301
(none)	Syria-Coele				
(none)					
Built-up area	2	3.5	6		src: corona
Tchalenko 2/C-VI-33					

Thala	Horvat Tila, Tel Halif					2133
(none)					Syria-Palestina	
(none)						
Built-up area ¹	-	8	-	-	Preferred.	
¹ Stern et al., 1993, 1474						
Thamara	En Hazeva					2195
(none)					Arabia	
Fort (legionary)						
(none)						
Thamna	(none)					2206
(none)					Syria-Palestina	
(none)						
(none)						
Tharba	Taraba, Tayyibeh, طربا					2250
(none)					Arabia	
(none)						
(none)						
Thoana	Khirbet at-Tuwanah					2172
(none)					Arabia	
(none)						
Built-up area ¹	-	36	36	-	Preferred.	
¹ Kennedy, 2004, 167-168						
Thospia	(none)					2022
(none)					null	
(none)						
(none)						
Thurae	Kilis					2330
(none)					Syria-Coele	
(none)						
(none)						
tabpeut: Thvrae						
Tiberias	Tiberias					2075
Stat.; Coin.					Syria-Palestina	
Aqueduct; Baths; Baths?; Bouleuterion; Circuit wall; Circus ¹ ; Industry; Market; Temple; Theatre						
Built-up area	30	37.1	92		Preferred. Lapin 2001: 88. Including Hammath Tiberias (Dauphin as basis). Referring as well to Hirschfeld 1993 (92ha, Byzantine), NEAEHL (Vitto: 'Roman city' around 30 ha); Dothan 1983: 14ha for Hammath Tiberias. Dauphin 1998 30ha for Tiberias, 7.1 ha for Hammath Tiberias and Meyers 1997, possibly first century, 80ha.	
Walled area	-	74	-	400	700NEAEHL	
¹ Jos. BJ 2.21.6						
Tigranakert	(none)					2023
(none)					null	
Circuit wall						
Walled area	-	50	-	-	Preferred. Unreliable source: tigranakert.am; maps lacking scale.	
Tigranocerta	(none)					2024
(none)					null	

(none)		
(none)		
Timna	(none)	2187
(none)		Arabia
Industry?; Temple?		
(none)		

Tripolis	Tripoli	2085
Coin.		Syria-Phoenice
Aqueduct ¹ ; Baths ¹ ; Port		
(none)		
¹ Malalas 18.367		
² Carayon, 2012		

Tyrus	سُور, صور	2086
Stat. ⁴ ; Coin.		Syria-Phoenice
Aqueduct ⁵ ; Arch; Baths; Circus; Colonnaded street; Gymnasium?; Orthogonal street plan; Port; Theatre?		
Built-up area	58	Preferred. Katzenstein 1987
¹ Gatier et al., 2010		
² Gatier et al., 2011		
³ Maïla-Afeiche et al., 2012		
⁴ Millar, 1990		
⁵ Toubekis, 2015		

Udruh	أدرح, Udruh	2190
(none)		Arabia
(none)		
(none)		

Umm az Zaytūn	Umm az Zaytūn, أم الزيتون	2148
(none)		Arabia
Temple		
(none)		

Umm el-Jimal	أم الجمال, Umm el-Jimal	2113
(none)		Arabia
Temple		
Built-up area ¹	30	300
Built-up area	12	13 14 300
¹ Kennedy, 2007, 111		Preferred. From map Kennedy
² Segal, 2013, 226-227		
³ Vries et al., 1998		
info: location is that of ER-LR village. Later walled town obviously slightly to northwest		

Umtaiyye	Il-Umta'iyeh, المتاعية	2171
(none)		Arabia
Temple		
(none)		
¹ Segal, 2013, 226		

Uyts	(none)	2025
(none)		null
Circuit wall		
Walled area	4.8	Preferred. From map Kroll 2012:222

Waqim	واقم, Waqim	2251
(none)		Arabia
(none)		
(none)		

Zenobia	(none)	2345
(none)		Syria-Coele
(none)		
(none)		

Zeugma	(none)	2048
Coin.		Syria-Coele
Bridge; Circuit wall?; Fort (legionary); Theatre?		
Walled area	140	Preferred. Aylward 2013:13

Ziph	(none)	2337
(none)		Syria-Palestina
(none)		
(none)		

Zoara	Gawr as-Safi, غور الصافي	2197
(none)		Arabia
(none)		
(none)		

Zorava	Ezrā'	2145
(none)		Arabia
(none)		
(none)		
info: Metrokomia		

Aynuna	(none)	2203
(none)		Arabia
(none)		
(none)		
¹ Nappo, 2010		

Bibliography

- Abadie-Reynal, Catherine. 'Acculturation et Habitat à Zeugma à l'époque Romaine'. *Bollettino Di Archeologia on Line* 1, no. Volume Speciale G / G9 / 3 (2010): 15–24.
- . 'Les Fouilles de Sauvetage de Zeugma: Un Bilan Des Résultats'. *Journal of Roman Archaeology* 28 (January 2015): 821–45. <https://doi.org/10.1017/S1047759415003207>.
- . 'Séleucie-Zeugma et Apamée sur l'Euphrate : étude d'un cas de villes jumelles dans l'Antiquité'. *Histoire urbaine*, no. 3 (2001): 7–24. <https://doi.org/10.3917/rhu.003.0007>.
- Abdul-Massih, Jeanine. 'La fortification polygonale et les mosaïques d'une maison romaine à Cyrrhus (Nebi Hourî) - Notes préliminaires'. *Syria. Archéologie, art et histoire*, no. 86 (1 November 2009): 289–306.
- . *Le théâtre de Cyrrhus: d'après les archives d'Edmond Frézouls*. Beyrouth: Institut français du Proche-Orient, 2012.
- Abdul-Massih, Jeanine, Christophe Benech, and Mathilde Gelin. 'First results on the city planning of Cyrrhus (Syria)'. *ArcheoSciences. Revue d'archéométrie* n° 33 (suppl), no. 1 (1 March 2009): 201–3.
- Abudanah, Fawzi. 'Settlement Patterns and Military Organisation in the Region of Udhruh (Southern Jordan) in the Roman and Byzantine Periods'. Ph.D., Newcastle University, 2006. <http://hdl.handle.net/10443/232>.
- Abudanah, Fawzi, Saad Twaissi, Sarah E. Wenner, Mohammed B. Tarawneh, and Adeeb Al-Salameen. 'The Legend of the "King's Highway": The Archaeological Evidence'. *Zeitschrift Für Orient-Archäologie* 8 (2015): 156–87.
- Adam, Henry Mac. 'Epigraphy and Village Life in Southern Syria during the Roman and Early Byzantine Periods'. *Berytus: Archaeological Studies*, no. 31 (1983): 103–16.
- Akkermans, Peter M. M. G., and Glenn M. Schwartz. *The Archaeology of Syria: From Complex Hunter-Gatherers to Early Urban Societies (c.16,000-300 BC)*. Cambridge University Press, 2003.
- Al Maqdissi, Michel, and Christophe Benech. 'The Spatial Organization of the Phoenician City of Amrith (Syria)'. *ArcheoSciences. Revue d'archéométrie*, no. 33 (suppl.) (30 October 2009): 209–11. <https://doi.org/10.4000/archeosciences.1596>.
- Al Shbib, Shaker. 'Les Fortifications de La Ville de Cyrrhus'. In *Territoires, Architecture et Matériel Au Levant: Doctoriales d'archéologie Syrienne. Paris-Nanterre, 8-9 Décembre 2011*, edited by A. Le Bihan, P. Blanc, F. Braemer, Jacqueline Dentzer-Feydy, and F. Villeneuve. Beyrouth: Presses de l'Ifpo, 2012.
- Alcock, Susan E. *Graecia Capta: The Landscapes of Roman Greece*. Cambridge [etc.]: Cambridge University Press, 1993.
- Alcock, Susan E., and A. R. Knodell. 'Landscapes North of Petra: The Petra Area and Wadi Silaysil Survey (Brown University Petra Archaeological Project, 2010–2011)'. In *Supplement to Proceedings of the Seminar for Arabian Studies*, 42:5–16, 2012.
- Aliquot, Julien. *La vie religieuse au Liban sous l'Empire romain*. Bibliothèque archéologique et historique ; t. 189. 852438184. Beyrouth: Institut français du Proche-Orient, 2009. <http://books.openedition.org/ifpo/1411>.
- . 'Les Ituréens et la présence arabe au Liban du II^e siècle a.C. au IV^e siècle p.C.'. *Mélanges de l'Université Saint-Joseph - Beyrouth* 56 (1999): 161–290.
- . 'Sanctuaries And Villages On Mt Hermon During The Roman Period'. In *The Variety of Local Religious Life in the Near East*, by Ted Kaizer, 73–96. Brill, 2008. <https://doi.org/10.1163/ej.9789004167353.i-396.21>.
- Al-Salameen, Z., and H. Falahat. 'Two New Nabataean Inscriptions from Wadi Musa, with Discussion of Gaia and the Marzeah'. *Journal of Semitic Studies* 57, no. 1 (1 April 2012): 37–51. <https://doi.org/10.1093/jss/fgr032>.

- Al-Salameen, Zeyad, Saad Twaissi, and Fawzi Abudanah. 'Preliminary Report on the Archaeological Investigations of As-Sadaqa, Southern Jordan, 2007'. *Annual of the Department of Antiquities of Jordan* 52 (2009): 397–416.
- Amadasi Guzzo, Maria Giulia, and Eugenia Equini Schneider. *Petra*. Chicago, Ill.; London: University of Chicago Press, 2002.
- Anderson, Björn. 'Beyond Rome/Parthia: Intersections of Local and Imperial Traditions in the Visual Record of Hatra'. In *Arsacids, Romans and Local Elites: Cross-Cultural Interactions of the Parthian Empire*, edited by Jason Schulde and Benjamin Reubin, 137–58. Havertown, UNITED STATES: Oxbow Books, 2017.
<http://ebookcentral.proquest.com/lib/kb/detail.action?docID=4830376>.
- Applebaum, Shimon. 'Royal and Imperial Estates in the Sharon and Samaria'. In *Judaea in Hellenistic and Roman Times: Historical and Archeological Essays*, edited by Shimon Applebaum, 97–110. Studies in Judaism in Late Antiquity 40, 1989.
- Araus, José Luis, J. P. Ferrio, R. Buxó, and J. Voltas. 'The Historical Perspective of Dryland Agriculture: Lessons Learned from 10 000 Years of Wheat Cultivation'. *Journal of Experimental Botany* 58, no. 2 (1 January 2007): 131–45.
<https://doi.org/10.1093/jxb/erl133>.
- Araus, José Luis, Gustavo Ariel Slafer, Ramón Buxó, and Ignacio Romagosa. 'Productivity in Prehistoric Agriculture: Physiological Models for the Quantification of Cereal Yields as an Alternative to Traditional Approaches'. *Journal of Archaeological Science* 30, no. 6 (1 June 2003): 681–93. [https://doi.org/10.1016/S0305-4403\(02\)00240-6](https://doi.org/10.1016/S0305-4403(02)00240-6).
- Arav, Rami, and Richard A. Freund. *Bethsaida: A City by the North Shore of the Sea of Galilee*. Vol. 1. Kirksville, Miss: Thomas Jefferson UP, 1995.
- Arnaud, Jean-Luc. 'Corpus Cartographique Pour l'histoire de Damas, Syrie, à La Fin de La Période Ottomane (1760–1924)'. *Imago Mundi* 53, no. 1 (1 January 2001): 46–70.
<https://doi.org/10.1080/03085690108592937>.
- Arnaud, Jean-Luc. 'La population de Damas à la fin de la période ottomane'. *Annales de démographie historique* 101, no. 1 (1 May 2001): 177–207.
- Astour, Michael C. Review of *Review of The Cities of Seleukid Syria*, by John D. Grainger. *Journal of the American Oriental Society* 114, no. 2 (1994): 267–70.
<https://doi.org/10.2307/605837>.
- Avi-Yonah, Michael. *The Jews of Palestine: A Political History from the Bar Kokhba War to the Arab Conquest*. Blackwell's Classical Studies 821595792. Oxford: Blackwell, 1976.
- Avner, Uzi. 'Studies in the Material and Spiritual Culture of the Negev and Sinai Populations, During the 6th-3rd Millennia BC'. Hebrew University, 2002.
- Avni, Gideon. *Map of Har Saggi Northeast (225) = Mappat Har Šagī Zēfōn-Mizrah (225)*. Archaeological Survey of Israel. Jerusalem: Israel Antiquities Authority, 1992.
- Aylward, William. 'The Rescue Excavations at Zeugma in 2000'. In *Excavations at Zeugma*, edited by William Aylward, 1:1–54. Los Altos, California, 2013.
- Baird, J. A. *The Inner Lives of Ancient Houses: An Archaeology of Dura-Europos*. Oxford University Press, 2014. <https://doi.org/10.1093/acprof:osobl/9780199687657.001.0001>.
- . 'The Roman Military Presence in the Houses of Dura-Europos'. In *The Inner Lives of Ancient Houses: An Archaeology of Dura-Europos*, 111–54, 2014.
<https://academic.oup.com/book/32786/chapter/274388850>.
- Bairoch, Paul. *Cities and Economic Development: From the Dawn of History to the Present*. University of Chicago Press, 1991.
- Ball, Warwick. *Rome in the East: The Transformation of an Empire*. London etc: Routledge, 2000.
- Balty, Janine, and Jean-Charles Balty. 'L'Apamène Antique et les limites de la Syria Secunda'. In *La géographie administrative et politique d'Alexandre à Mahomet: actes du colloque de Strasbourg 14 - 16 juin 1979*, 41–. Brill Archive, 1979.
- Balty, Jean-Charles. 'Apamea in Syria in the Second and Third Centuries A.D'. *Journal of Roman Studies* 78 (1988): 91–104.

- . 'Apamée et la Syrie du Nord aux époques hellénistique et romaine.' *Revue du monde musulman et de la Méditerranée* 62, no. 1 (1991): 15–26.
<https://doi.org/10.3406/remmm.1991.1518>.
- . 'Apamée: mutations et permanences de l'espace urbain, de la fondation hellénistique à la ville romano-byzantine.' *Bulletin d'études orientales* 52 (2000): 167–85.
- . 'Claudia Apamea. Données Nouvelles Sur l'histoire et La Topographie d'Apamée'. *Comptes Rendus Des Séances de l'Académie Des Inscriptions et Belles-Lettres* 144, no. 1 (2000): 459–81. <https://doi.org/10.3406/crai.2000.16134>.
- Bar, Doran. 'Aelia Capitolina and the Location of the Camp of the Tenth Legion'. *Palestine Exploration Quarterly* 130, no. 1 (1 January 1998): 8–19.
<https://doi.org/10.1179/peq.1998.130.1.8>.
- Baret, Florian. 'Les Agglomérations "Secondaires" Gallo-Romaines Dans Le Massif Central : (Cités Des Arvernes, Vellaves, Gabales, Rutenes, Cadurques et Lémovices), 1er Siècle Avant J.-C. - Ve Siècle Après J.-C.' These de doctorat, Clermont-Ferrand 2, 2015.
<https://www.theses.fr/2015CLF20003>.
- Barker, G. 'The Desert and the Sown: Nomad–Farmer Interactions in the Wadi Faynan, Southern Jordan'. *Journal of Arid Environments*, Ancient Agriculture in the Middle East, 86 (November 2012): 82–96. <https://doi.org/10.1016/j.jaridenv.2011.11.023>.
- Barker, G. W., R. Adams, O. H. Creighton, P. Daly, D. D. Gilbertson, J. P. Grattan, C. O. Hunt, et al. 'Archaeology and Desertification in the Wadi Faynan: The Fourth (1999) Season of the Wadi Faynan Landscape Survey'. *Levant* 32, no. 1 (1 January 2000): 27–52.
<https://doi.org/10.1179/lev.2000.32.1.27>.
- Batiuk, Stephen, and Lynn Welton. 'The Computational Research on the Ancient near East (CRANE) Project: Archaeological Data Integration, Simulation and Data Mining'. Accessed 12 July 2022.
https://www.academia.edu/35266878/The_Computational_Research_on_the_Ancient_near_East_CRANE_Project_Archaeological_Data_Integration_Simulation_and_Data_Mining.
- Baumgarten, Ya'akov. *Map of Nahal Nahal Bekaa (132)*. Archaeological Survey of Israel. Jerusalem: Israel Antiquities Authority, 2014.
https://www.antiquities.org.il/survey/new/default_en.aspx?surveynum=50.
- . *Map of Nahal Secher (131)*. Archaeological Survey of Israel. Jerusalem: Israel Antiquities Authority, 2012.
- Beaumont, Peter, Gerald H. Blake, and John Malcolm Wagstaff. *The Middle East : A Geographical Study*. London etc: Wiley, 1976.
- Bedal, Leigh-Ann. *The Petra Pool-Complex: A Hellenistic Paradeisos in the Nabataean Capital : (Results from the Petra 'Lower Market' Survey and Excavation, 1998)*. Gorgias Press LLC, 2004.
- Berchem, Denis van. 'Le port de Séleucie de Piérie et l'infrastructure logistique des guerres parthiques'. *Bonner Jahrbücher*, 1985, 47–87.
<https://doi.org/10.11588/bjb.1985.0.71899>.
- Bes, Philip. *Once upon a Time in the East: The Chronological and Geographical Distribution of Terra Sigillata and Red Slip Ware in the Roman East*. Roman and Late Antique Mediterranean Pottery 6. Oxford: Archaeopress Publishing Ltd, 2015.
- Besançon, Jacques. 'Géographie, environnements et potentiels productifs de la région de Pétra (Jordanie)'. In *Entre nomades et sédentaires : prospections en Syrie du Nord et en Jordanie du Sud*, edited by Pierre-Louis Gatier, B. Geyer, and Marie-Odile Rousset, 19–72. Travaux de la Maison de l'Orient 55. Lyon: Maison de l'Orient et de la Méditerranée, 2010.
- Bienkowski, Piotr. 'The Iron Age in Petra and the Issue of Continuity with Nabataean Occupation'. In *Men on the Rocks: The Formation of Nabataean Petra*, edited by Michel Mouton and Stephan SG Schmid, 23–34. Supplement to the Bulletin of Nabataean Studies 1. Berlin: Logos Verlag, 2013.
- Bintliff, John. 'Chapter 13: Settlement and Territory'. Edited by Graeme Barker, 1999, 505–45.
- . 'Emergent Complexity in Settlement Systems and Urban Transformations'. In *Historische Geographie Der Alten Welt, Grundlagen, Erträge, Perspektiven, Festgabe Für Eckart*

- Olshausen., edited by U. Fellmeth, P. Guyot, and Holger Sonnabend, 43–82. Hildesheim, 2007.
- . ‘Going to Market in Antiquity’. In *Stuttgarter Kolloquium Zur Historischen Geographie Des Altertums 7 1999: Zu Wasser Und Zu Land. Verkehrswege in Der Antiken Welt*, by Eckart Olshausen and Holger Sonnabend, 209–50. Stuttgart, 2002.
- . ‘Rethinking Early Mediterranean Urbanism.’ In *Mauerschau, Bd. 1. Festschrift Fuer Manfred Korfmann*, edited by R. Aslan, S. Blum, G. Kastl, and D. Thumm, 153–77. Verlag Bernhard Albert Greiner, 2002. <http://hdl.handle.net/1887/8440>.
- . *Testing the Hinterland: The Work of the Boeotia Survey (1989-1991) in the Southern Approaches to the City of Thespiiai*. McDonald Institute Monographs. 226579549. Cambridge: McDonald Institute for Archaeological Research, University of Cambridge, 2007.
- Blömer, Michael. ‘Samosata’. In *The Encyclopedia of Ancient History*. John Wiley & Sons, Inc., 2013. <https://doi.org/10.1002/9781444338386.wbeah14269>.
- Bowersock, Glen Warren. *Roman Arabia*. Harvard University Press, 1994.
- . *Studies on the Eastern Roman Empire: Social, Economic and Administrative History, Religion, Historiography*. Keip Verlag, 1994.
- . *Studies on the Eastern Roman Empire: Social, Economic and Administrative History, Religion, Historiography*. Bibliotheca Eruditorum 9. Goldbach: Keip, 1994.
- Braemer, F., D. Genequand, C. Dumond Maridat, P.-M. Blanc, J.-M. Dentzer, D. Gazagne, and P. Wech. ‘Long-Term Management of Water in the Central Levant: The Hawran Case (Syria)’. *World Archaeology* 41, no. 1 (1 March 2009): 36–57. <https://doi.org/10.1080/00438240802666424>.
- Braemer, Frank. ‘Prospections Archéologiques Dans Le Hawran. [II. Les Réseaux de l’eau]’. *Syria* 65, no. 1 (1988): 99–137. <https://doi.org/10.3406/syria.1988.7101>.
- Braemer, Frank, Gourguen Davtian, and Pascale Clauss-Balty. ‘L’habitat Rural En Syrie Du Sud: Quels Contextes Territoriaux?’ In *Hauran III : Habitat Dans Les Campagnes de La Syrie Du Sud Aux Époques Classique et Médiévale*, edited by Pascale Clauss-Balty and Jean-Marie Dentzer, 7–18. Bibliothèque Archéologique et Historique 181. Institut Français du Proche Orient, 2008. <https://halshs.archives-ouvertes.fr/halshs-00268968>.
- Braemer, Frank, Bernard Geyer, Corinne Castel, and Maamoun Abdulkarim. ‘Conquest of New Lands and Water Systems in the Western Fertile Crescent (Central and Southern Syria)’. *Water History* 2, no. 2 (1 October 2010): 91–114. <https://doi.org/10.1007/s12685-010-0029-9>.
- Brakman, Steven, Harry Garretsen, Charles Van Marrewijk, and Marianne Van Den Berg. ‘The Return of Zipf: Towards a Further Understanding of the Rank-Size Distribution’. *Journal of Regional Science* 39, no. 1 (1999): 183–213. <https://doi.org/10.1111/1467-9787.00129>.
- Brands, Gunnar. ‘Orientis Apex Pulcher-Die Krone Des Orients: Antiochia Und Seine Mauern in Kaiserzeit Und Spätantike’. *Antike Welt* 35, no. 2 (2004): 11–16.
- Brands, Gunnar, and Cornelius Meyer. ‘Antioch-On-The-Orontes and Seleucia Pieria 2004: Preliminary Results of the Geophysical Survey’. *Arkeometri Sonuçları Toplantısı* 21 (n.d.): 149–54.
- Briant, Pierre. ‘Villages Et Communautés Villageoises D’Asie Achéménide Et Hellénistique’. *Journal of the Economic and Social History of the Orient* 18, no. 1 (1 January 1975): 165–88. <https://doi.org/10.1163/156852075X00092>.
- Broshi, Magen. ‘The Population of Western Palestine in the Roman-Byzantine Period’. *Bulletin of the American Schools of Oriental Research*, no. 236 (1 October 1979): 1–10.
- Brush, Stephen B. ‘The Concept of Carrying Capacity for Systems of Shifting Cultivation1’. *American Anthropologist* 77, no. 4 (1 December 1975): 799–811. <https://doi.org/10.1525/aa.1975.77.4.02a00040>.
- Bryce, Trevor. ‘Tell Ahmar’. In *The Routledge Handbook of the Peoples and Places of Ancient Western Asia: The near East from the Early Bronze Age to the Fall of the Persian Empire*, 12–15. London: Routledge, 2009.

- Burnham, Barry C., and John Stewart Wachter. *The Small Towns of Roman Britain*. Univ of California Press, 1990.
- Burns, Ross. *Damascus : A History*. Abingdon etc: Routledge, 2005.
- Butcher, Kevin. *Roman Syria and the Near East*. J. Paul Getty Museum, 2004.
- Butcher, Kevin, Dominic Perring, Paul Reynolds, and Penelope Walton Rogers. 'Small Change in Ancient Beirut: The Coin Finds from BEY 006 and 045; Persian, Hellenistic, Roman and Byzantine Periods', 2003.
- Butler, Howard Crosby. *Southern Syria*. Syria : Publications of the Princeton University Archaeological Expeditions to Syria in 1904-1905. Division II, Ancient Architecture in Syria ; Section A. Leyden: Brill, 1907.
- Callu, Jean-Pierre. 'Antioche La Grande : La Cohérence Des Chiffres'. *Mélanges de l'École Française de Rome. Antiquité* 109, no. 1 (1997): 127–69.
- Cameron, Hamish. 'Constructing a Borderland: Roman Imperial Geographic Writers on Mesopotamia from the 1st to the 4th Centuries CE'. ProQuest Dissertations Publishing, 2014. <http://search.proquest.com/docview/1629829235/?pq-origsite=primo>.
- Campbell, W. A., and R. Stillwell, eds. *Antioch-On-the-Orontes*. Vol. 3. Department of art and archaeology of Princeton University. In-fol., fig., pl., 1938.
- , eds. *Antioch-On-the-Orontes*. Vol. 2. Department of art and archaeology of Princeton University. In-fol., fig., pl., 1938.
- Capdetrey, Laurent. *Le Pouvoir Séleucide: Territoire, Administration, Finances d'un Royaume Hellénistique (312-129 Avant J.-C.)*. Collection Histoire. Rennes: Presses Universitaires de Rennes, 2007.
- Carayon, Nicolas. 'Les Ports Phéniciens Du Liban. Milieux Naturels, Organisation Spatiale et Infrastructures'. *Archaeology and History in Lebanon* 36 (2012): 1.
- . 'Les Ports Phéniciens et Puniques. Géomorphologie et Infrastructures'. Theses, Université Marc Bloch - Strasbourg II, 2008. <https://tel.archives-ouvertes.fr/tel-00283210>.
- Carroll, Glenn R. 'National City-Size Distributions: What Do We Know after 67 Years of Research?' *Progress in Human Geography* 6, no. 1 (1 March 1982): 1–43. <https://doi.org/10.1177/030913258200600101>.
- Casana, Jesse J. 'From Alalakh to Antioch: Settlement, Land Use, and Environmental Change in the Amuq Valley of Southern Turkey'. Ph.D., The University of Chicago, 2003.
- . 'Mediterranean Valleys Revisited: Linking Soil Erosion, Land Use and Climate Variability in the Northern Levant'. *Geomorphology* 101, no. 3 (15 October 2008): 429–42. <https://doi.org/10.1016/j.geomorph.2007.04.031>.
- . 'Site Morphology and Settlement History in the Northern Levant'. In *Proceedings of the 7th International Congress of the Archaeology of the Ancient Near East (7th ICAANE)*, 12:16. Harrasowitz Verlag Wiesbaden, 2010.
- . 'The Archaeological Landscape of Late Roman Antioch'. In *Culture and Society in Later Roman Antioch*, 103–25. Oxbow Books, 2004.
- Casana, Jesse J., and Tony J. Wilkinson. 'Settlement and Landscapes in the Amuq Region'. In *The Amuq Valley Regional Projects*, edited by K. Aslıhan Yener, Stephen Batiuk, and Robert Kriech Ritner, 1:25–66. Chicago: Oriental Institute of the University of Chicago, 2005.
- Center for Advanced Spatial Technologies, University of Arkansas/U.S. Geological Survey. 'Corona Atlas of the Middle East', 5 June 2013. <http://corona.cast.uark.edu/>.
- Chaumont, M. L. 'Un Document Méconnu Concernant l'envoi d'un Ambassadeur Parthe Vers Septime Sévère (P. Dura 60 B.)'. *Historia: Zeitschrift Für Alte Geschichte* 36, no. 4 (1987): 422–47.
- Chéhab, M. 'Tyr à l'époque Romaine. Aspects de La Cité, à La Lumière Des Textes et Des Fouilles'. *Mélanges de l'Université Saint-Joseph*, 1962, 11–40.
- Chen, Chen, Ian C. Freestone, Yael Gorin-Rosen, and Patrick S. Quinn. 'A Glass Workshop in 'Aqir, Israel and a New Type of Compositional Contamination'. *Journal of Archaeological Science: Reports* 35 (1 February 2021): 102786. <https://doi.org/10.1016/j.jasrep.2020.102786>.

- Christaller, Walter. *Die Zentralen Orte in Süddeutschland: Eine Ökonomisch-Geographische Untersuchung Über Die Gesetzmäßigkeit Der Verbreitung Und Entwicklung Der Siedlungen Mit Städtischen Funktionen*. Repographischer Nachdruck der 1. Auflage, Jena 1933. Darmstadt: Wissenschaftliche Buchgesellschaft, 1968.
- Christophersen, Axel. 'The City Is Alive – Still! Comment on Bisserka Gaydarska, "The City Is Dead! Long Live the City!"' *Norwegian Archaeological Review* 49, no. 1 (2 January 2016): 58–61. <https://doi.org/10.1080/00293652.2016.1167119>.
- Christopherson, Gary L. 'A Regional Approach to Archaeology on the Madaba Plains: Random Survey and Settlement Patterns'. In *Web-Published Conference Paper, Annual Meetings of the American Schools of Oriental Research*, 1997.
- Clamer, Christa. *Fouilles archéologiques de 'Ain ez-Zâra/Callirrhoé, villégiature hérodiennne*. Bibliothèque archéologique et historique ; t. 147. 852438184. Beyrouth: Institut Français d'Archéologie du Proche-Orient, 1997.
- Clark, Peter. *Small Towns in Early Modern Europe*. Themes in International Urban History. Cambridge: Cambridge University Press, 1995.
- Clauss-Balty, Pascale. 'La kalybé de Hayat (Syrie du Sud)'. *Syria*, 2008, 249–92.
- Cohen, Getzel M. *The Hellenistic Settlements in Syria, the Red Sea Basin, and North Africa*. 1st ed. Berkeley: University of California Press, 2006.
- Cook, Benjamin I, Kevin J Anchukaitis, Ramzi Touchan, David M Meko, and Edward R Cook. 'Spatiotemporal Drought Variability in the Mediterranean over the Last 900 Years'. *Journal of Geophysical Research: Atmospheres*, 2016, n/a-n/a. <https://doi.org/10.1002/2015JD023929>.
- Cordova, Carlos E. *Millennial Landscape Change in Jordan: Geoarchaeology and Cultural Ecology*. University of Arizona Press, 2007.
- Cotton, Hannah, and Werner Eck. 'Roman Officials in Judaea and Arabia and Civil Jurisdiction'. In *Law in the Documents of the Judaeian Desert*, edited by Ranon Katzoff and David Schaps. Leiden: Brill, 2005.
- Cotton, Hannah M., Leah Di Segni, Werner Eck, Benjamin Isaac, Alla Kushnir-Stein, Haggai Misgav, Jonathan Price, Israel Roll, and Ada Yardeni. *Corpus Inscriptionum Judaee/Palaestinae : A Multi-Lingual Corpus of the Inscriptions from Alexander to Muhammad*. Vol. 1. Berlin: de Gruyter, 2010.
- Courtois, Jacques-Claude. 'Prospection archéologique dans la moyenne vallée de l'Oronte (El-Ghab et Er Roudj. Syrie du Nord-Ouest)'. *Syria* 50, no. 1 (1973): 53–99. <https://doi.org/10.3406/syria.1973.6431>.
- Crawford, Thomas W. 'Spatial Modeling of Village Functional Territories to Support Population-Environment Linkages'. In *Linking People, Place, and Policy*, 91–111. Springer, 2002.
- Cuinet, Vital-. *La Turquie d'Asie : géographie administrative, statistique, descriptive et raisonnée de chaque province de l'Asie-mineure*. Vol. 2. Paris: Leroux, 1892.
- Cumont, Franz Valery Marie. *Études Syriennes*. Paris : Picard, 1917. <http://archive.org/details/tudessyriennes00cumouoft>.
- Curvers, Hans H, and Barbara Stuart. 'The BCD Archaeology Project 2000–2006'. *Bulletin d'Archéologie et d'Architecture Libanaises* 9 (2007): 189–222.
- Dar, Shimon. 'The Nabateans in the Hauran'. In *The Nabateans in the Negev*, edited by Renate Rosenthal-Heginbottom, 45*-46*. [Israel]: Reuben and Edith Hecht Museum, 2003.
- . 'הנבטים בחורן' [The Nabateans in the Hauran]. In *The Nabateans in the Negev*, edited by Renate Rosenthal-Heginbottom, 67–72. [Israel]: Reuben and Edith Hecht Museum, 2003.
- Darrous, Nouha, and Jérôme Rohmer. 'Chahba-Philippopolis (Hauran) : Essai de Synthèse Archéologique et Historique'. *Syria* 81 (2004): 5–42.
- De Giorgi, Andrea U. *Ancient Antioch: From the Seleucid Era to the Islamic Conquest*. Cambridge: Cambridge University Press, 2016.
- De Luca, Stefano, and Anna Lena. 'The Harbor of the City of Magdala/Taricheae on the Shores of the Sea of Galilee, from the Hellenistic to the Byzantine Times. New Discoveries and Preliminary Results'. In *Häfen Und Hafenstädte Im Östlichen Mittelmeerraum von Der Antike Bis in Byzantinische Zeit: Neue Entdeckungen Und Aktuelle Forschungsansätze ;*

- Istanbul, 30.05.-01.06.2011. 1 1*, edited by Sabine Ladstätter, Felix Pirson, and Thomas Schmidts, 1:113–64. BYZAS 19. Istanbul: Ege Yayınları, 2014.
- Decker, Michael. 'Food for an Empire: Wine and Oil Production in North Syria'. In *Economy and Exchange in the East Mediterranean during Late Antiquity: Proceedings of a Conference at Somerville College, Oxford, 29th May, 1999*, by Sean Kingsley and Michael Decker, 69–86. Oxford [etc.]: Oxbow Books, 2001.
- . 'Settlement and Trade in the Red Sea in Late Antiquity'. *Ancient West & East* 9 (2010): 193–220.
- Dentzer, Jean-Marie. *Hauran I : Recherches archéologiques sur la Syrie du Sud à l'époque hellénistique et romaine*. Bibliothèque archéologique et historique 124. Paris: Institut Français d'Archéologie du Proche Orient, 1985.
- Dentzer, Jean-Marie, Pierre-Marie Blanc, Thibaud Fournet, Mikaël Kalos, and François Renel. 'Formation et développement des villes en Syrie du Sud de l'époque hellénistique à l'époque byzantine : les exemples de Bosra, Suweida, Shahba'. In *Hauran V : la Syrie du sud du néolithique à l'antiquité tardive : recherches récentes : actes du colloque de Damas 2007. Vol. I.*, by Michel al-Maqdissi, Frank Braemer, Jean-Marie Dentzer, Jacqueline Dentzer-Feydy, and Michèle Vallerin, 193–170. Bibliothèque archéologique et historique ; t. 191. 852438184. Beyrouth: Institut Français d'Archéologie du Proche-Orient, 2010.
- Dentzer-Feydy, Jacqueline, and Michèle Vallerin. *Bosra aux portes de l'Arabie*. Beyrouth etc: Institut français du Proche-Orient, 2007.
- Deroin, Jean-Paul, Rania Bou Kheir, and Chadi Abdallah. 'Geoarchaeological Remote Sensing Survey for Cultural Heritage Management. Case Study from Byblos (Jbail, Lebanon)'. *Journal of Cultural Heritage, Beyond the modern landscape: Earth Observation to see the unseen*, 23 (1 March 2017): 37–43. <https://doi.org/10.1016/j.culher.2016.04.014>.
- Die räumliche Ordnung der Wirtschaft Eine Untersuchung über Standort, Wirtschaftsgebiete u. internat. Handel*. Jena: Fischer, 1940.
- Dirven, Lucinda. 'Hatra, Stad van de Zonnegod - Sociale Achtergronden van Een Heilige Plaats'. *Tijdschrift Voor Geschiedenis* 126, no. 1 (1 March 2013): 4–15. <https://doi.org/10.5117/TVGESCH2013.1.DIRV>.
- . *The Palmyrenes of Dura-Europos: A Study of Religious Interaction in Roman Syria*. Religions in the Graeco-Roman World ; Vol. 138. 095017933. Leiden [etc.]: Brill, 1999.
- Doraiswamy, Paul C., Thomas R. Sinclair, Steven Hollinger, Bakhyt Akhmedov, Alan Stern, and John Prueger. 'Application of MODIS Derived Parameters for Regional Crop Yield Assessment'. *Remote Sensing of Environment* 97, no. 2 (30 July 2005): 192–202. <https://doi.org/10.1016/j.rse.2005.03.015>.
- Doumet-Serhal, Claude. 'Sidon: British Museum Excavations 1998-2003'. *Sidon: British Museum Excavations 1998-2003*, no. 18 (2003): 2–19.
- Downey, Glanville. *A History of Antioch in Syria from Seleucus to the Arab Conquest*. Princeton, 1961.
- Drahor, M. G., M. A. Berge, T. Ö. Kurtulmuş, M. Hartmann, and M. A. Speidel. 'Magnetic and Electrical Resistivity Tomography Investigations in a Roman Legionary Camp Site (Legio IV Scythica) in Zeugma, Southeastern Anatolia, Turkey'. *Archaeological Prospection* 15, no. 3 (2008): 159–86. <https://doi.org/10.1002/arp.332>.
- Driessen, Mark, and Fawzi Abudanah. 'The Udhruh Region: A Green Desert in the Hinterland of Ancient Petra'. In *Water Societies and Technologies from the Past and Present*, edited by Yijie Zhuang and Mark Altaweel, 127–56. UCL Press, 2018. <https://doi.org/10.2307/j.ctv550c6p.13>.
- Dunand, Maurice. *Fouilles de Byblos. T. 1: 1926-1932*. Bibliothèque archéologique et historique ; 24. 852438184. Paris: Librairie Orientaliste Paul Geuthner, 1937.
- Duncan-Jones, Richard. *The Economy of the Roman Empire: Quantitative Studies*. Cambridge: University Press, 1982.
- Durand, C. 'The Nabataeans and Oriental Trade: Roads and Commodities (Fourth Century Bc to First Century Ad)'. *Studies in the History and Archaeology of Jordan* 10 (2009): 405–11.

- Dussaud, René. *Topographie historique de la Syrie antique et médiévale*. Bibliothèque archéologique et historique. Beyrouth: Presses de l'Ifpo, 1927.
<http://books.openedition.org/ifpo/3692>.
- Ecker, Avner. 'The Coinage of Jaffa in the Roman Period'. *Israel Numismatic Journal* 17 (2010): 151–76.
- Ecker, Avner, and Boaz Zissu. 'The Boule of Baitolethepha (Beit-Nattif): Evidence for Village and Toparchy Administration in Judea'. *Journal for the Study of Judaism* 1, no. aop (19 March 2020): 1–12. <https://doi.org/10.1163/15700631-12511287>.
- Edwell, Peter M. *Between Rome and Persia : The Middle Euphrates, Mesopotamia and Palmyra under Roman Control*. London etc: Routledge, 2008.
- . 'Osrhoene and Mesopotamia between Rome and Arsacid Parthia'. In *Arsacids, Romans and Local Elites: Cross-Cultural Interactions of the Parthian Empire*, edited by Jason Schulde and Benjamin Reubin, 111–36. Havertown, UNITED STATES: Oxbow Books, 2017. <http://ebookcentral.proquest.com/lib/kb/detail.action?docID=4830376>.
- Eeckhout, Jan. 'Gibrat's Law for (All) Cities'. *The American Economic Review* 94, no. 5 (2004): 1429–51.
- Eger, A. Asa. *The Islamic-Byzantine Frontier: Interaction and Exchange Among Muslim and Christian Communities*. I.B.Tauris, 2015.
- Elayi, Josette. 'Achaemenid Persia and the Levant'. *The Oxford Handbook of the Archaeology of the Levant*, 1 November 2013. <https://doi.org/10.1093/oxfordhb/9780199212972.013.008>.
- Eldem, Edhem, Daniel Goffman, and Bruce Masters. *The Ottoman City between East and West : Aleppo, Izmir, and Istanbul*. Cambridge Studies in Islamic Civilization 841459630. Cambridge: Cambridge University Press, 1999.
- Elizabeth Fentress, Sergio Fontana, R Bruce Hitchner, and Philip Perkins. 'Accounting for ARS: Fineware and Sites in Sicily and Africa'. In *Side-by-Side Survey*. Oxbow Books, 2016.
- El-Khalili, Mohammad. 'Restoration Interventions at the Roman Nymphaeum in Amman: Identification and Evaluation'. *Conservation and Management of Archaeological Sites* 16, no. 4 (2014): 341–58.
- Elton, Hugh. 'Zeugma's Military History in Light of the Rescue Excavations'. In *Excavations at Zeugma*, edited by William Aylward, 3:375–80. Los Altos, California, 2013.
- Erickson-Gini, Tali. 'Nabataean Agriculture: Myth and Reality'. *Journal of Arid Environments*, Ancient Agriculture in the Middle East, 86 (November 2012): 50–54.
<https://doi.org/10.1016/j.jaridenv.2012.02.018>.
- . *Nabataean Settlement and Self-Organized Economy in the Central Negev : Crisis and Renewal*. BAR International Series 2054. Oxford: Archaeopress, 2010.
- . 'Oboda and the Nabateans'. *STRATA: Bulletin of the Anglo-Israel Archaeological Society* 32 (January 2014): 81–108.
- . 'The Good Life: Evidence for the Production of Wine and Garum in an Early Roman Estate and Byzantine Monastery South of Ashkelon'. *English Editor*, 2020, 7.
- . 'The Nabataean-Roman Negev in the Third Century CE'. In *The Late Roman Army in the Near East from Diocletian to the Arab Conquest*, edited by Ariel Lewin, Pietrina Pellegrini, Zbigniew T. Fiema, and Sylvain Janniard, 91. BAR International Series 1717. Oxford: Archaeopress, 2007.
- Erickson-Gini, Tali, and Yigal Israel. 'Recent Advances in the Research of the Nabatean and Roman Negev'. In *The Nabateans in the Negev*, edited by Renate Rosenthal-Heginbottom, 9*-14*. [Israel]: Reuben and Edith Hecht Museum, 2003.
- Ertel, Christine, and R. Ployer. 'A Roman Residential House in the "Hellenistic" Town of Palmyra:: Archaeology, Function and Urban Aspects - Vessel Glass', 2016.
<https://doi.org/10.2307/j.ctvxrq0dc.14>.
- Ess, Margarete van. 'Scientific Aims of the German-Lebanese Archaeological Project in Baalbek'. In *Baalbek/Heliopolis: Results of Archaeological and Architectural Research 2002-2005*, edited by Margarete van Ess and Jeanine Abdul-Massih, 11–29. Bulletin d'Archéologie et d'Architecture Libanaïses. Hors-Série 4. Beyrouth: Ministère de la Culture, Direction Générale des Antiquités, 2008.

- Facella, Margherita. *La dinastia degli Orontidi nella Commagene ellenistico-romana*. Studi ellenistici ; 17. Pisa: Giardini, 2006.
- Fall, Patricia, Steven Falconer, and Lee Lines. 'Agricultural Intensification and the Secondary Products Revolution Along the Jordan Rift'. *Human Ecology* 30 (1 December 2002): 445–82. <https://doi.org/10.1023/A:1021193922860>.
- Farooqi, Suraiya N. 'Ottoman Population'. In *The Cambridge History of Turkey*, edited by Suraiya N. Farooqi and Kate Fleet, 2:356–404. Cambridge: Cambridge University Press, 2012. <http://universitypublishingonline.org/ref/id/histories/CH09781139049047A024>.
- Feinman, Gary M. 'Roman Economic Practice across Time and Space: An Outside Perspective'. In *The Economic Integration of Roman Italy: Rural Communities in a Globalizing World*, edited by Tymon C. A. De Haas and Gijs W. Tol, 2017.
- Feissel, Denis. 'Deux Listes de Quartiers d'Antioche Astreints Au Creusement d'un Canal (73-74 Après J.-C.)'. *Syria* 62, no. 1 (1985): 77–103. <https://doi.org/10.3406/syria.1985.6922>.
- Feissel, Denis, and Jacques Gasco. 'Documents d'archives romains inédits du Moyen Euphrate (IIIe s. après J.-C.) [I. Les pétitions (T. Euphr. 1 à 5)]'. *Journal des Savants* 1, no. 1 (1995): 65–119. <https://doi.org/10.3406/jds.1995.1584>.
- Ferrio, J. P., G. Arab, R. Buxó, E. Guerrero, M. Molist, J. Voltas, and José Luis Araus. 'Agricultural Expansion and Settlement Economy in Tell Halula (Mid-Euphrates Valley): A Diachronic Study from Early Neolithic to Present'. *Journal of Arid Environments*, Ancient Agriculture in the Middle East, 86 (1 November 2012): 104–12. <https://doi.org/10.1016/j.jaridenv.2011.09.011>.
- Fiema, Zbigniew T. 'At-Tuwana: The Development and Decline of a Classical Town in Southern Jordan (with a Note on the Site Preservation)'. In *Landscape Resources and Human Occupation in Jordan throughout the Ages*, 313–16. Studies in the History and Archaeology of Jordan 6, 1997.
- . 'Roman Petra (AD 106–363): A Neglected Subject'. *Zeitschrift Des Deutschen Palästina-Vereins* 119, no. 1 (2003): 38–58.
- Findlater, George MacRae. 'Imperial Control in Roman and Byzantine Arabia : A Landscape Interpretation of Archaeological Evidence in Southern Jordan', 9 July 2004. <https://www.era.lib.ed.ac.uk/handle/1842/9789>.
- Finkelstein, Israel. 'From Sherds to History: Review Article'. *Israel Exploration Journal* 48, no. 1/2 (1998): 120–31.
- Finlayson, Cynthia. 'New Excavations and a Reexamination of the Great Roman Theater at Apamea, Syria, Seasons 1–3 (2008–2010)'. *American Journal of Archaeology* 116, no. 2 (2012): 277–319.
- Finley, Moses I. *The Ancient Economy*. A Chatto and Windus Paperpack 47. London: Chatto and Windus, 1973.
- Fischer, G., F. O. Nachtergaele, S. Prieler, E. Teixeira, G. Toth, H. van Velthuizen, L. Verelst, and D. Wiberg. 'Global Agro-Ecological Zones (GAEZ v3.0)- Model Documentation', 2012. http://www.fao.org/fileadmin/user_upload/gaez/docs/GAEZ_Model_Documentation.pdf.
- Fischer, Moshe, and Tamar Taxel. 'Ancient Yavneh Its History and Archaeology'. *Tel Aviv: Journal of the Institute of Archaeology of Tel Aviv University* 2007, no. 2 (1 September 2007): 204–84.
- Foietta, Enrico. 'The Kingdom of Hatra during the Second and Third Centuries AD: Frontiers, Ecological Limits, Settlements and Landmarks'. In *Imperial Connections. Interactions and Expansion from Assyria to the Roman Period. Volume 2. Proceedings of the 5th "Broadening Horizons" Conference (Udine 5-8 June 2017)*, edited by Katia Gavagnin and Rocco Palermo, 299–316. Trieste: EUT Edizioni Università di Trieste, 2020. <http://hdl.handle.net/10077/31112>.
- Fournet, Thibaud, and Thomas Weber. 'Adraha (Deraa) romaine et byzantine : développement urbain et monuments'. In *Hauran V : la Syrie du sud du néolithique à l'antiquité tardive : recherches récentes : actes du colloque de Damas 2007. Vol. I.*, by Michel al-Maqdissi, Frank Braemer, Jean-Marie Dentzer, Jacqueline Dentzer-Feydy, and Michèle Vallerin,

- 171–98. Bibliothèque archéologique et historique ; t. 191. 852438184. Beyrouth: Institut Français d'Archéologie du Proche-Orient, 2010.
- Freestone, Ian C., Yael Gorin-Rosen, and Michael J. Hughes. 'Primary Glass from Israel and the Production of Glass in Late Antiquity and the Early Islamic Period'. *MOM Éditions* 33, no. 1 (2000): 65–83.
- Freyberger, Klaus Stefan. 'The Polis of Kanatha: Hellenisation and Romanisation in Late First Century BC.' *The Institute 2002/2003: Some Remarks on the Current Situation in the Middle East*, 2003, 4.
- . 'The Roman Kanatha: Results of the Campaigns in 1997/1998'. *Bulletin d'études Orientales* 52 (2000): 143–56.
- Freyberger, Klaus Stefan, and Friedrich Ragette. 'Stadt des Jupiter Helipolitanus: Baalbek als Kultzentrum in römischer Zeit'. In *Baalbek : im Bann römischer Monumentalarchitektur*, by Margarete van Ess, Thomas Weber, and Stefanie Bahe, 45–67. Mainz am Rhein: Von Zabern, 1999.
- Frézouls, Edmond. 'Cyrrhus et La Cyrrhestique Jusqu'à La Fin Du Haut-Empire'. *Aufstieg Und Niedergang Der Römischen Welt* II, no. 8 (1977): 164–97.
- Fujita, Masahisa, Paul Krugman, and Tomoya Mori. 'On the Evolution of Hierarchical Urban Systems'. *European Economic Review* 43, no. 2 (15 February 1999): 209–51. [https://doi.org/10.1016/S0014-2921\(98\)00066-X](https://doi.org/10.1016/S0014-2921(98)00066-X).
- Galor, Katharina, and Hanswulf Bloedhorn. *The Archaeology of Jerusalem: From the Origins to the Ottomans*. New Haven: Yale University Press, 2013.
- Galor, Katharina, Israel Roll, Oren Tal, Donald H. Sanders, Andrew R. Willis, and David B. Cooper. 'Apollonia-Arsuf between Past and Future'. *Near Eastern Archaeology* 72, no. 1 (1 March 2009): 4–27.
- Gane, Constance E, Randall Younker, Paul Ray, Borstad Karen, Roy E Gane, Paul Zeljko Gregor, Jennifer L Groves, Reem Al Shqour, and others. 'Madaba Plains Project: Tall Jalul 2009'. *Andrews University Seminary Studies* 84, no. 2 (2010): 165–223.
- Garfinkel, Yosef, Michael G. Hasel, Martin G. Klingbeil, Igor Kreimerman, Michael Pytlik, Jon W. Carroll, Jonathan W.B. Waybright, et al. 'The Canaanite and Judean Cities of Lachish, Israel: Preliminary Report of the Fourth Expedition, 2013–2017'. *American Journal of Archaeology* 125, no. 3 (July 2021): 419–59. <https://doi.org/10.3764/aja.125.3.0419>.
- Garnsey, Peter. 'Mass Diet and Nutrition in the City of Rome'. In *Nourrir La Plèbe. Actes Du Colloque Tenu a Genève Les*, 28:67–101, 1991.
- Gatier, Pierre-Louis, Anne Baud, Didier Cahu, Gérard Charpentier, Aurélie Devillechaise, Catherine Duvette, Maha El-Masri Hachem, et al. 'Mission Archéologique de Tyr - Rapport Préliminaire 2008-2009'. *Bulletin d'Archéologie et d'Architecture Libanaises* 14 (2010): 135–240.
- Gawlikowski, Michał. 'Deux publicains et leur tombeau'. *Syria. Archéologie, Art et histoire* 75, no. 1 (1998): 145–51. <https://doi.org/10.3406/syria.1998.7545>.
- . 'Les Défenses de Palmyre'. *Syria*, 1974, 231–42.
- . 'Palmyra as a Trading Centre'. *Iraq* 56 (1 January 1994): 27–33. <https://doi.org/10.2307/4200382>.
- . 'The Indian Trade between the Gulf and the Red Sea'. *Polish Archaeology in the Mediterranean* 26(2), no. null (9 July 2018): 15–30.
- . 'Trade Across Frontiers: Foreign Relations of a Caravan City'. In *Palmyrena: City, Hinterland and Caravan Trade between Orient and Occident*, edited by Jørgen Christian Meyer, Eivind Heldaas Seland, and Nils Anfinset, 19–28. Oxford: Archaeopress Publishing Ltd, 2016.
- Gaydarska, Bissierka. 'The City Is Dead! Long Live the City!' *Norwegian Archaeological Review* 49, no. 1 (2 January 2016): 40–57. <https://doi.org/10.1080/00293652.2016.1164749>.
- Gelin, M. 'Qalaat el Moudiq, citadelle d'Apamée de l'Oronte. Résultats des travaux de 2004'. In *Résultats du programme de formation à la sauvegarde du Patrimoine Culturel de Syrie 2002-2004: Cultural Heritage Training Program*, by Jānīn 'Abd al-Masīh, 363–88.

- Documents d'archéologie Syrienne ; 11 345386078. Damas: Ministère de la Culture, Direction Général des Antiquités et des Musées, 2007.
- Gerber, Yvonne. 'Review'. *Bulletin of the American Schools of Oriental Research*, no. 312 (1 November 1998): 86–89. <https://doi.org/10.2307/1357679>.
- Gerritsen, Fokke, Andrea De Giorgi, Asa Eger, Rana özbal, and Tasha Vorderstrasse. 'Settlement and Landscape Transformations in the Amuq Valley, Hatay'. *Anatolica* 34, no. 0 (31 May 2008): 241–314. <https://doi.org/10.2143/ANA.34.0.2031568>.
- Glueck, Nelson. *Explorations in Eastern Palestine. [Vol.] 4*. The Annual of the American Schools of Oriental Research ; Vol. 25-28 832452858. New Haven: American Schools of Oriental Research, 1951.
- Goodman, Martin and Oxford Centre for Postgraduate Hebrew Studies. *State and Society in Roman Galilee, A.D. 132-212*. Totowa, NJ: Rowman & Allanheld, 1983.
- Graaf, Peter de. 'Roman Gentrification: From the Sixth Century BC to the Death of Trajan'. Ph.D., Leiden University, 2022. <https://hdl.handle.net/1887/3483641>.
- Graf, David F. 'Petra and the Nabataeans in the Early Hellenistic Period: The Literary and Archaeological Evidence'. In *Men on the Rocks: The Formation of Nabataean Petra*, edited by Michel Mouton and Stephan SG Schmid, 35–56. Supplement to the Bulletin of Nabataean Studies 1. Berlin: Logos Verlag, 2013.
- Grainger, John D. *Syrian Influences in the Roman Empire to AD 300*. Routledge, 2017.
- . *The Cities of Seleukid Syria*. Clarendon Press, 1990.
- . "'Village Government" in Roman Syria and Arabia'. *Levant* 27, no. 1 (1 January 1995): 179–95.
- Grawehr, Matthias. 'Putting Larissa on the Map'. In *New Prospecting in the Orontes Region : first results of archaeological fieldwork*, edited by Karin Bartl and Michel al-Maqdissi, 131–36. *Orient-Archäologie* 30. Rahden, Westf: VML Vlg Marie Leidorf, 2014.
- Grawehr, Matthias, Jamal Ramadan, and Hijazi Majd. 'Syrisch-Deutsche Arbeiten in Shayzar/Larissa: Erster Vorbericht'. *Zeitschrift Für Orient-Archäologie* 2 (2009).
- Grossman, David. *Rural Arab Demography and Early Jewish Settlement in Palestine: Distribution and Population Density During the Late Ottoman and Early Mandate Periods*. Abingdon-New York, 2011.
- Grout, John. 'The Role of Palmyrene Temples in Long-Distance Trade in the Roman Near East'. Ph.D., Royal Holloway, University of London, 2016.
- Gschwind, Markus. 'Raphaneae, Syrien: Die Arbeiten der Jahre 2013 und 2013'. *e-Forschungsberichte des Deutschen Archäologischen Instituts*, no. 2 (2014): 106–10.
- Gschwind, Markus, and Haytham Hasan. 'The Legionary Fortress and Roman City Raphaneae: Topographical, Archaeological and Geophysical Survey Work conducted in 2005-2007'. In *New Prospecting in the Orontes Region : first results of archaeological fieldwork*, edited by Karin Bartl and Michel al-Maqdissi, 119–30. *Orient-Archäologie* 30. Rahden, Westf: VML Vlg Marie Leidorf, 2014.
- Guillon, Élodie. 'Les arrière-pays des cités phéniciennes à l'époque hellénistique, IVe siècle - IIe siècle ap. J.-C : approches historiques et spatiales d'une aire géoculturelle'. Ph.D., Université Toulouse le Mirail - Toulouse II, 2013. <https://tel.archives-ouvertes.fr/tel-00991865/document>.
- Gwiazda, Mariusz. 'Economy of Hellenistic, Roman and Early Byzantine Settlement in Jiyeh (Porphyreon), Lebanon'. *Archeologia* 62, no. 2011–2012 (2014): 31–44.
- Gysens, Jacqueline Calzini. 'Interim Report on the Rabbathmoab and Qaşr Rabbah Project'. *East and West* 58, no. 1/4 (2008): 53–86.
- Haensch, Rudolf. *Capita provinciarum : Statthaltersitze und Provinzialverwaltung in der römischen Kaiserzeit*. Mainz am Rhein: von Zabern, 1997.
- Haiman, Mordechai. *Map of Har Ḥamran Southeast (199) = Mappat Har Ḥamran Dērôm-Mizrath (199)*. Archaeological Survey of Israel. Jerusalem: Israel Antiquities Authority, 1993.
- Hall, Linda Jones. *Roman Berytus : Beirut in Late Antiquity*. London etc: Routledge, 2004.

- Halstead, Paul. 'Traditional and Ancient Rural Economy in Mediterranean Europe: Plus Ça Change?' In *The Ancient Economy*, edited by Sitta von Reden and Walter Scheidel, 53–70. New York: Routledge, 2002.
- Hammond, Philip C. 'New Evidence for the 4th-Century A. D. Destruction of Petra'. *Bulletin of the American Schools of Oriental Research*, no. 238 (1980): 65–67. <https://doi.org/10.2307/1356516>.
- Hansen, Mogens Herman. *The Shotgun Method the Demography of the Ancient Greek City-State Culture*. Fordyce W. Mitchel Memorial Lecture Series. Columbia: University of Missouri Press, 2006.
- Hanson, J. W. *An Urban Geography of the Roman World, 100 BC to AD 300*. Oxford, United Kingdom: Archaeopress, 2016.
- Harrison, Timothy P. 'Computational Research on the Ancient Near East (CRANE): Large-Scale Data Integration and Analysis in Near Eastern Archaeology'. *Levant* 52, no. 1–2 (3 May 2020): 1–4. <https://doi.org/10.1080/00758914.2018.1492784>.
- Harrison, Timothy P, Debra Foran, and Andrew Graham. 'Investigating 5,000 Years of Urban History: The Tall Madaba Archaeological Project'. In *Crossing Jordan: North American Contributions to the Archaeology of Jordan*, 143, 2007.
- Hart, Stephen. 'Some Preliminary Thoughts on Settlement in Southern Edom'. *Levant* 18, no. 1 (1 January 1986): 51–58. <https://doi.org/10.1179/lev.1986.18.1.51>.
- Hartmann, M., and M. A. Speidel. 'Military Installations at Zeugma: An Overview of the Swiss Archaeological Investigations, 2001–2003'. In *Excavations at Zeugma*, edited by William Aylward, 3:381–92. Los Altos, California, 2013.
- Hatoum, Hassan. 'L'antique Chahba-Philippopolis'. *Bulletin d'études Orientales* 52 (2000): 135–42.
- Hekster, Olivier, and Ted Kaizer. 'Mark Antony and the Raid on Palmyra : Reflections on Appian, "Bella Civilia" V, 9'. *Latomus* 63, no. 1 (2004): 70–80.
- Hengel, Martin. *Judaism and Hellenism: Studies in Their Encounter in Palestine during the Early Hellenistic Period*. Wipf and Stock Publishers, 2003.
- Hijmans, Robert J., Susan E. Cameron, Juan L. Parra, Peter G. Jones, and Andy Jarvis. 'Very High Resolution Interpolated Climate Surfaces for Global Land Areas'. *International Journal of Climatology* 25, no. 15 (1 December 2005): 1965–78. <https://doi.org/10.1002/joc.1276>.
- Hirschfeld, Yizhar. 'The History and Town-Plan of Ancient Ḥammāt Gādēr'. *Zeitschrift Des Deutschen Palästina-Vereins* (1953-) 103 (1 January 1987): 101–16.
- Hoepfner, Wolfram. 'Antiochia Die Grosse : Geschichte Einer Antiken Stadt'. *Antike Welt* 35, no. 2 (2004): 3–9.
- Hoffmann, Adolf, and Susanne Kerner. 'Topographie und Stadtgeschichte von Gadara/Umm Qais'. In *Gadara - Gerasa und die Dekapolis*, 98–124. Mainz am Rhein: Philipp von Zabern, 2002.
- Hoffmann, Sebastian. 'Indications for "Early Petra" Based on Pottery Finds in the City Centre: El-Habis as a Case Study'. In *Men on the Rocks: The Formation of Nabataean Petra*, edited by Michel Mouton and Stephan SG Schmid, 93–106. Supplement to the Bulletin of Nabataean Studies 1. Berlin: Logos Verlag, 2013.
- Hopkins, Keith. '10 Rome, Taxes, Rents and Trade'. In *The Ancient Economy*, edited by Walter Scheidel and Sitta von Reden, 190–230. Edinburgh University Press, 2002. <https://doi.org/10.1515/9781474472326-016>.
- . 'Models, Ships and Staples'. In *Trade and Famine in Classical Antiquity*, edited by Peter D. A. Garnsey, Keith Hopkins, and C. R. Whittaker, 84–109. London: Chatto & Windus, 1983.
- . 'Taxes and Trade in the Roman Empire (200 BC-AD 400)'. *The Journal of Roman Studies* 70 (1980): 101–25.
- . 'The Political Economy of the Roman Empire*'. In *Sociological Studies in Roman History*, edited by Christopher Kelly, 432–87. Cambridge Classical Studies. Cambridge: Cambridge University Press, 2017. <https://doi.org/10.1017/CBO9781139093552.015>.
- Houten, P. H. A. 'Civitates Hispaniae: Urbanisation on the Iberian Peninsula during the High Empire', 2018.

- Humbert, Jean-Baptiste, and Yasser Mattar Abu Hassuneh. *Gaza méditerranéenne : histoire et archéologie en Palestine*. Paris: Errance, 2000.
- Ibach, Robert D., and Øystein Sakala LaBianca. *Archaeological Survey of the Hesban Region: Catalogue of Sites and Characterization of Periods*. Hesban 5. Berrien Springs Michigan: Andrews University Press, 1987.
- Isaac, Benjamin. 'The Babatha Archive: A Review Article'. Edited by N. Lewis, Y. Yadin, and J.C. Greenfield. *Israel Exploration Journal* 42, no. 1/2 (1992): 62–75.
- . *The Near East under Roman Rule : Selected Papers*. Mnemosyne. Supplementum ; 177. 820947849. Leiden: Brill, 1998.
- Jacobson, David M, Nikos Kokkinos, and Joseph Patrich, eds. 'Herodian Entertainment Structures'. In *Herod and Augustus Papers Presented at the IJS Conference, 21st-23rd June 2005*, 181–213. Leiden; Boston: Brill, 2009.
<http://dx.doi.org/10.1163/ej.9789004165465.i-418>.
- James, Simon. *The Roman Military Base at Dura-Europos, Syria: An Archaeological Visualization*. Oxford: University Press, Incorporated, 2019.
- Janssen, Ellen, Jeroen Poblome, Johan Claeys, Vincent Kint, Patrick Degryse, Elena Marinova, and Bart Muys. 'Fuel for Debating Ancient Economies. Calculating Wood Consumption at Urban Scale in Roman Imperial Times'. *Journal of Archaeological Science: Reports* 11 (February 2017): 592–99. <https://doi.org/10.1016/j.jasrep.2016.12.029>.
- Jennings, Michael. 'Beyond the Walls of Jericho: Khirbet al-Mafjar and the Signature Landscapes of the Jericho Plain'. ProQuest Dissertations Publishing, 2015.
<http://search.proquest.com/docview/1707689179/>.
- Jiménez, Joan Campmany, Iza Romanowska, Rubina Raja, and Eivind H. Seland. 'Food Security in Roman Palmyra (Syria) in Light of Paleoclimatological Evidence and Its Historical Implications'. *PLOS ONE* 17, no. 9 (21 September 2022): e0273241.
<https://doi.org/10.1371/journal.pone.0273241>.
- Jones, A. H. M. *The Cities of the Eastern Roman Provinces*. 2nd ed.. Oxford: The Clarendon Press, 1971.
- . 'The Cities of the Roman Empire'. In *The Roman Economy: Studies in Ancient Economic and Administrative History*, edited by P. A. Brunt, 1–34. Oxford: Blackwell, 1974.
- . *The Later Roman Empire, 284-602: A Social Economic and Administrative Survey*. Oxford: Blackwell, 1964.
- Jong, Albert de. 'Hatra and the Parthian Commonwealth'. In *Hatra : Politics, Culture and Religion between Parthia and Rome*, edited by Lucinda Dirven, 1st ed., 143–60. Stuttgart: Franz Steiner Verlag, 2013.
- Jong, Lidewijde de. 'Mallowan's Marshes: The Archaeology of the Balikh Valley under Roman and Byzantine Rule'. *Zeitschrift Für Orient-Archäologie (ZORA)* 4 (2011): 262–82.
- . 'Narratives of Roman Syria: A Historiography of Syria as a Province of Rome', Princeton/Stanford Working Papers in Classics, 2007.
- Jong, Lidewijde de, and Rocco Palermo. 'Living on the Edge: The Roman Empire in the North Mesopotamian Steppe'. In *The Archaeology of Imperial Landscapes: A Comparative Study of Empires in the Ancient Near East and Mediterranean World*, edited by Bleda S. Düring and Tesse D. Stek, 240–71. Cambridge: Cambridge University Press, 2018.
- Jongman, Willem M. 'The Benefits of Market Integration: Five Centuries of Prosperity in Roman Italy'. In *The Economic Integration of Roman Italy*, edited by Tymon C. A. De Haas and Gijs W. Tol, 15–27. Brill, 2017. https://doi.org/10.1163/9789004345027_003.
- . 'The Early Roman Empire: Consumption'. In *The Cambridge Economic History of the Greco-Roman World*, edited by Walter Scheidel, Ian Morris, Richard P. Saller, Walter Scheidel, Ian Morris, and Richard P. Saller, 592–618. Cambridge: Cambridge University Press, 2008.
- Juchniewicz, Karol. 'Late Roman Fortifications in Palmyra'. *Studia Palmyreńskie*, no. XII (2013): 193–202.

- Kader, Ingeborg. *Propylon Und Bogentor: Untersuchungen Zum Teträpylon von Latakia Und Anderen Frühkaiserzeitlichen Bogenmonumenten Im Nahen Osten*. Damaszener Forschungen 7. Mainz am Rhein: von Zabern, 1996.
- Kaizer, Ted. 'Empire, Community, and Culture on the Middle Euphrates. Durenes, Palmyrenes, Villagers, and Soldiers'. *Bulletin of the Institute of Classical Studies* 60, no. 1 (2017): 63–95.
- Kalos, Mikael. 'Le site de Saḥr (Syrie du Sud)'. *Topoi* 7, no. 2 (1997): 965–91. <https://doi.org/10.3406/topoi.1997.1757>.
- . 'Un sanctuaire de Mithra inédit en Syrie du sud'. *Topoi* 11, no. 1 (2001): 229–77. <https://doi.org/10.3406/topoi.2001.1935>.
- Kamash, Z. 'Irrigation Technology, Society and Environment in the Roman Near East'. *Journal of Arid Environments*, Ancient Agriculture in the Middle East, 86 (November 2012): 65–74. <https://doi.org/10.1016/j.jaridenv.2012.02.002>.
- Kaptijn, E. *Life on the Watershed. Reconstructing Subsistence in a Steppe Region Using Archaeological Survey a Diachronic Perspective on Habitation in the Jordan Valley*. Leiden: Sidestone Press, 2009.
- Karabacak, Volkan, and Erhan Altunel. 'Evolution of the Northern Dead Sea Fault Zone in Southern Turkey'. *Journal of Geodynamics*, SI : Tethyan Evolution and Active Tectonics in Anatolia dedicated in honour of Prof. Dr. Ali Koçyiğit's retirement, 65 (April 2013): 282–91. <https://doi.org/10.1016/j.jog.2012.04.012>.
- Karasneh, Wajeeh. 'New Discovery in Jordan at Beit-Ras Region (Ancient Capitolias)'. *OCCIDENT & ORIENT*, 2002, 10.
- Karpat, Kemal. *Ottoman Population, 1830-1914 : Demographic and Social Characteristics*. Turkish and Ottoman Studies. Madison etc: University of Wisconsin Press, 1985.
- Kashtan, Nadav. 'Akko-Ptolemais: A Maritime Metropolis in Hellenistic and Early Roman Times, 332 BCE — 70 CE, as Seen through the Literary Sources'. *Mediterranean Historical Review* 3, no. 1 (1988): 37–53. <https://doi.org/10.1080/09518968808569536>.
- Kedar, B.Z., and W. G. Mook. 'Radiocarbon Dating of Mortar from the City-Wall of Ascalon'. *Israel Exploration Journal* 28, no. 3 (1 January 1978): 173–76.
- Kennedy, David. *Rome's Desert Frontier: From the Air*. London: Batsford, 1990.
- . 'The Identity of Roman Gerasa: An Archaeological Approach'. Edited by Graeme Clarke and Derek Harrison. *Mediterranean Archeology*, Identities in the Eastern Mediterranean in antiquity : proceedings of a conference held at the Humanities Research Centre in Canberra, 10-12 November, 1997, 11 (1998): 39–69.
- . *The Roman Army in Jordan*. 2nd rev. ed.. London: Council for British Research in the Levant, 2004.
- . 'Water Supply and Use in the Southern Hauran, Jordan'. *Journal of Field Archaeology* 22, no. 3 (1995): 275–90.
- Kennedy, Will M. 'Reassessing the Impact of Natural Landscape Factors on Spatial Strategies in the Petra Hinterland in Nabataean-Roman Times'. *Proceedings of the Seminar for Arabian Studies* 46 (2016): 137–54.
- Kessler, Karlheinz. 'Nisibis'. In *Der Neue Pauly*. Brill, 1 October 2006. <https://referenceworks.brillonline.com/entries/der-neue-pauly/nisibis-e823870>.
- Khoury, Lamia el-. 'The Roman Countryside in North-West Jordan (63 BC–AD 324)'. *Levant* 40, no. 1 (1 April 2008): 71–87. <https://doi.org/10.1179/175638008x284189>.
- Knabb, Kyle A., Mohammad Najjar, and Thomas E. Levy. 'Characterizing the Rural Landscape during the Iron Age and Roman Period (ca. 1200 b.c.–a.d. 400): An Intensive Survey of Wadi al-Feidh, Southern Jordan'. *Journal of Field Archaeology* 40, no. 3 (16 April 2015): 365–80. <https://doi.org/10.1179/2042458214Y.0000000004>.
- Knauf, E. a, and C. j Lenzen. 'Beit Ras/Capitolias. A Preliminary Evaluation of the Archaeological and Textual Evidence'. *Syria* 64, no. 1 (1987): 21–46. <https://doi.org/10.3406/syria.1987.7002>.
- Knodell, Alex, Susan Alcock, Christopher Tuttle, Christian Cloke, Tali Erickson-Gini, Cecelia Feldman, Gary Rollefson, Micaela Sinibaldi, Thomas Urban, and Clive Vella. 'The Brown

- University Petra Archaeological Project: Landscape Archaeology in the Northern Hinterland of Petra, Jordan'. *American Journal of Archaeology* 121 (1 October 2017): 621. <https://doi.org/10.3764/aja.121.4.0621>.
- Kondoleon, Christine, ed. *Antioch : The Lost Ancient City*. Worcester (Mass.): Worcester Art Museum, 2000.
- Konrad, Michaela. 'Research on the Roman and Early Byzantine Frontier in North Syria'. *Journal of Roman Archaeology* 12 (January 1999): 392–410. <https://doi.org/10.1017/S1047759400018122>.
- Kouki, Paula. 'The Hinterland of a City: Rural Settlement and Land Use in the Petra Region from the Nabataean-Roman to the Early Islamic Period'. Ph.D., University of Helsinki, 2012.
- . 'The Intensification of Nabataean Agriculture in the Petra Region'. In *Men on the Rocks: The Formation of Nabataean Petra*, edited by Michel Mouton and Stephan SG Schmid, 323–34. Supplement to the Bulletin of Nabataean Studies 1. Berlin: Logos Verlag, 2013.
- Kropp, Andreas J. M. *Images and Monuments of Near Eastern Dynasts, 100 BC - AD 100*. OUP Oxford, 2013.
- Kropp, Andreas, and Qasim Mohammad. 'Dion of the Decapolis. Tell al-Ash'arī in Southern Syria in the Light of Ancient Documents and Recent Discoveries'. *Levant* 38, no. 1 (1 June 2006): 125–44. <https://doi.org/10.1179/lev.2006.38.1.125>.
- Krugman, Paul R. *Development, Geography, and Economic Theory*. MIT Press, 1997.
- Krzywinski, Knut, and Jonatan Krzywinski. 'Agriculture in Byzantine Palmyrena'. In *Palmyrena: City, Hinterland and Caravan Trade between Orient and Occident*, edited by Jørgen Christian Meyer, Eivind Heldaas Seland, and Nils Anfinset, 171–83. Oxford: Archaeopress Publishing Ltd, 2016.
- Kühne, Hartmut. 'Kommagene'. In *Der Neue Pauly*. Brill, 1 October 2006. https://referenceworks.brillonline.com/entries/der-neue-pauly/*-e619060?lang=en.
- LaBianca, Øystein Sakala. *Sedentarization and Nomadization: Food System Cycles at Hesban and Vicinity in Transjordan*. Hesban ; 1 063164825. Berrien Springs MI: Andrews University Press, 1990.
- Labus, M. P., G. A. Nielsen, R. L. Lawrence, R. Engel, and D. S. Long. 'Wheat Yield Estimates Using Multi-Temporal NDVI Satellite Imagery'. *International Journal of Remote Sensing* 23, no. 20 (1 January 2002): 4169–80. <https://doi.org/10.1080/01431160110107653>.
- Lassus, Jean, George Wicker Elderkin, and Richard Stillwell, eds. *Antioch-on-the-Orontes*. Vol. 5. Princeton: Princeton University Press, 1972.
- Lauffray, Jean. 'Une Fouille Au Pied de l'acropole de Byblos'. *Bulletin Du Musée de Beyrouth* 4 (1940): 7–36.
- Lawrence, Dan. 'Early Urbanism in the Northern Fertile Crescent: A Comparison of Regional Settlement Trajectories and Millennial Landscape Change'. Doctoral, Durham University, 2012. <http://etheses.dur.ac.uk/5921/>.
- Le Roux, Patrick. 'Vicus et Castellum en Lusitanie sous l'empire', 1993 1992. <https://gredos.usal.es/handle/10366/73272>.
- Leibner, Uzi. *Settlement and History in Hellenistic, Roman, and Byzantine Galilee : An Archaeological Survey of the Eastern Galilee*. 1st ed. Tübingen: Mohr Siebeck, 2009.
- . 'Settlement Patterns in the Eastern Galilee: Implications Regarding the Transformation of Rabbinic Culture in Late Antiquity'. In *Jewish Identities in Antiquity: Studies in Memory of Menahem Stern*, Edited by Lee Levine and Daniel Schwartz, 2009, 269–95.
- Lender, Yesha'yahu. *Map of Har Nafḥa (196) 12-01*. Archaeological Survey of Israel. Jerusalem, 1990.
- Lenzen, C. 'Kapitolias—Die Vergessene Stadt Im Norden'. In *Gadara - Gerasa Und Die Dekapolis*, edited by Adolf Hoffmann and Susanne Kerner, 36–45. Mainz am Rhein, 2002.
- Leriche, Pierre. 'Le Phénomène Urbain Dans La Syrie Hellénistique'. *Bulletin d'études Orientales* 52 (2000): 99–125.
- Lev-Tov, Justin. "'Upon What Meat Doth This Our Caesar Feed...?' 1 A Dietary Perspective on Hellenistic and Roman Influence in Palestine', n.d., 27.

- Liebeschuetz, J. H. W. G. *Antioch : City and Imperial Administration in the Later Roman Empire*. Oxford: At the Clarendon Press; London etc, 1972.
- Lightfoot, Dale R. 'Syrian Qanat Romani: History, Ecology, Abandonment'. *Journal of Arid Environments* 33, no. 3 (1996): 321–36.
- Ligt, L. de. *Fairs and Markets in the Roman Empire: Economic and Social Aspects of Periodic Trade in a Pre-Industrial Society*. JC Gieben (Amsterdam), 1993.
- . 'The Urban System of Roman Egypt in the Early Third Century AD: An Economic-Geographical Approach to City-Size Distribution in a Roman Province' 47 (2017): 255–321.
- Ligt, L. de, and Laurens Ernst editor Tacoma. *Migration and Mobility in the Early Roman Empire*. Studies in Global Social History ; v. 23. Leiden: Brill, 2016.
- Limbergen, Dimitri Van. 'Figuring out the Balance between Intra-Regional Consumption and Extra-Regional Export of Wine and Olive Oil in Late Antique Northern Syria. In Olive Oil and Wine Production in Eastern Mediterranean in Antiquity (2015), 169-189'. In *Olive Oil and Wine Production in Eastern Mediterranean during Antiquity*, edited by Adnan Diler, Kaan Senol, and Ümit Aydinoglu, 169–90. Izmir, 2015.
https://www.academia.edu/12218423/Figuring_out_the_balance_between_intra_regional_consumption_and_extra_regional_export_of_wine_and_olive_oil_in_late_antique_northern_Syria_In_Olive_Oil_and_Wine_Production_in_Eastern_Mediterranean_in_Antiquity_2015_169_189.
- . 'Olivier Callot, Dèhès II : Les Pressoirs'. *Syria. Archéologie, Art et Histoire*, 4 June 2019.
<http://journals.openedition.org/syria/8051>.
- Lindner, Manfred, John P Zeitler, and I Künne. 'Sabra: Entdeckung, Erforschung Und Siedlungsgeschichte Einer Antiken Oasenstadt Bei Petra (Jordanien)'. *Archiv Für Orientforschung*, no. 44–45 (1997): 535–65.
- Lippolis, Carlo. 'Kifrin, avant-poste sur l'Euphrate'. In *Studia Euphratica: le moyen Euphrate iraquien révélé par les fouilles préventives de Haditha*, edited by Christine Kepinski, Olivier Lecomte, and Aline Tenu, 367–96. Travaux de la Maison René-Ginouvès 3. Paris: De Boccard, 2006.
- Lloyd, Seton, William Brice, and C. J. Gadd. 'Harran'. *Anatolian Studies* 1 (December 1951): 77–111. <https://doi.org/10.2307/3642359>.
- Lo Cascio, Elio, and Paolo Malanima. 'Cycles and Stability. Italian Population before the Demographic Transition (225 B.C. - A.D. 1900)'. *SE*, 2005, 197–232.
<https://doi.org/10.1410/20933>.
- Lobo, Jose, Luís M. A. Bettencourt, Michael E. Smith, and Scott G. Ortman. 'Settlement Scaling Theory: Bridging the Study of Ancient and Contemporary Urban Systems'. *Urban Studies* 57, no. 4 (2020): 731–47.
- Luckstead, Jeff, and Stephen Devadoss. 'Do the World's Largest Cities Follow Zipf's and Gibrat's Laws?' *Economics Letters* 125, no. 2 (November 2014): 182–86.
<https://doi.org/10.1016/j.econlet.2014.09.005>.
- Lund, John. 'Ḥamā in the early Hellenistic period. A review of the archaeological evidence'. *Topoi. Orient-Occident* 4, no. 1 (2003): 253–68.
- Luther, Andreas. 'Dura-Europos Zwischen Palmyra Und Den Parthern. Der Politische Status Der Region Am Mittleren Euphrat Im 2. Jh. n. Chr. Und Die Organisation Des Palmyrenischen Fernhandels'. In *Commerce and Monetary Systems in the Ancient World: Means of Transmission and Cultural Interaction*, edited by Robert Rollinger, Christoph Ulf, Kordula Schnegg, and Annual Symposium of the Assyrian and Babylonian Intellectual Heritage Project, 327–. Oriens et Occidens 6. Stuttgart: Steiner, 2004.
- Luttwak, Edward. *The Grand Strategy of the Roman Empire: From the First Century A.D. to the Third*. Baltimore [etc.]: Johns Hopkins University Press, 1976.
- MacAdam, Henry Innes. 'Strabo, Pliny the Elder and Ptolemy of Alexandria: Three Views of Ancient Arabia and Its Peoples'. In *L'Arabie Préislamique et Son Environnement Historique et Culturel, Travaux Du Centre de Recherche Sur Le Proche-Orient et La Grèce Antiques*, 10:289–320, 1989.

- MacDonald, Burton and American Schools of Oriental Research. *The Ayl to Ras An-Naqab Archaeological Survey, Southern Jordan (2005-2007)*. Archaeological Reports ; 16 235202347. Boston, Mass: American Schools of Oriental Research, 2012.
- Macdonald, Burton, Geoffrey A. Clark, and Michael Neeley. 'Southern Ghors and Northeast 'Araba Archaeological Survey 1985 and 1986, Jordan: A Preliminary Report'. *Bulletin of the American Schools of Oriental Research*, no. 272 (1988): 23–45. <https://doi.org/10.2307/1356784>.
- Magen, Yitzhak. פלאביה נאפוליס: שכנם בתקופה הרומית [Flavia Neapolis: Shechem in the Roman Period]. Judea and Samaria Publications 5. Jerusalem: המנהל האזרחי ביהודה, קצין מטה ארכיאולוגיה, רשומות העתיקות, 2005.
- Magness, Jodi. 'Did Galilee Experience a Settlement Crisis in the Mid-Fourth Century?' In *Jewish Identities in Antiquity: Studies in Memory of Menahem Stern*, Edited by Lee Levine and Daniel Schwartz, 2009, 296–313.
- . *The Archaeology of the Early Islamic Settlement in Palestine*. Eisenbrauns, 2003.
- Maiuro, Marco. 'Northern Italy: Urbanization, Demography, Agrarian Output'. In *Popolazione e Risorse Nell'Italia Del Nord Dalla Romanizzazione Ai Longobardi*, edited by Elio Lo Cascio and Marco Maiuro. Edipuglia, 2017.
- Majcherek, Grzegorz. 'Filling the Gap: Mediterranean Amphorae in Late Antique Palmyra'. *Syria. Archéologie, Art et Histoire*, no. 96 (31 December 2019): 395–418. <https://doi.org/10.4000/syria.10620>.
- Malanima, Paolo. 'Energy Consumption and Energy Crisis in Roman World'. *The Ancient Mediterranean Environment between Science and History*, 2011, 13–36.
- Marchetti, C. 'Anthropological Invariants in Travel Behavior'. *Technological Forecasting and Social Change* 47, no. 1 (September 1994): 75–88. [https://doi.org/10.1016/0040-1625\(94\)90041-8](https://doi.org/10.1016/0040-1625(94)90041-8).
- Marchetti, Nicolò. 'Karkemish on the Euphrates: Excavating a City's History'. *Near Eastern Archaeology* 75, no. 3 (1 September 2012): 132–47.
- Marciak, Michał. *Sophene, Gordyene, and Adiabene*. Leiden: Brill, 2017.
- . 'The Cultural Landscape of Sophene from Hellenistic to Early Byzantine Times'. *Göttinger Forum Für Altertumswissenschaft* 17 (2014): 13–56.
- Mart, Yossi, William B. F. Ryan, and Oxana V. Lunina. 'Review of the Tectonics of the Levant Rift System: The Structural Significance of Oblique Continental Breakup'. *Tectonophysics* 395, no. 3–4 (20 January 2005): 209–32. <https://doi.org/10.1016/j.tecto.2004.09.007>.
- Mason, Kenneth. *Iraq and the Persian Gulf*. Geographical Handbook Series 852813198. London: Naval Intelligence Division, 1944.
- Mason, Kenneth, and J. W. Crowfoot. *Syria : April 1943*. Geographical Handbook Series ; B.R. 513 852813198. Oxford: Naval Intelligence Division, 1943.
- Matthers, John. 'Tell Rifa'at 1977: Preliminary Report of an Archaeological Survey'. *Iraq* 40, no. 2 (1978): 119–62. <https://doi.org/10.2307/4200095>.
- Matthers, John, and Dominique P. M. Collon. *The River Qoueiq, Northern Syria, and Its Catchment: Studies Arising from the Tell Rifa'at Survey 1977-1979*. BAR International Series. Oxford: BAR, 1981.
- Matthews, J. F. 'The Tax Law of Palmyra: Evidence for Economic History in a City of the Roman East'. *The Journal of Roman Studies* 74 (1 January 1984): 157–80. <https://doi.org/10.2307/299013>.
- Matthiae, Paolo, and Nicolò Marchetti. *Ebla and Its Landscape: Early State Formation in the Ancient Near East*. Walnut Creek, Calif.: Left Coast, 2013.
- Mazar, Benjamin, Nahman Avigad, Moshe Schwabe, and Baruch Lifshitz. *Beth She'arim*. Jerusalem: Massada Press, 1973.
- McCarthy, J. 'The Population of Ottoman Syria and Iraq, 1878-1914'. *Asian and African Studies* 15 (1981).
- Meghraoui, Mustapha, Francisco Gomez, Reda Sbeinati, Jerome Van der Woerd, Michel Mouty, Abdul Nasser Darkal, Youssef Radwan, et al. 'Evidence for 830 Years of Seismic Quiescence from Palaeoseismology, Archaeoseismology and Historical Seismicity along

- the Dead Sea Fault in Syria'. *Earth and Planetary Science Letters* 210, no. 1–2 (15 May 2003): 35–52. [https://doi.org/10.1016/S0012-821X\(03\)00144-4](https://doi.org/10.1016/S0012-821X(03)00144-4).
- Meriam, El Ouahabi, Hubert-Ferrari Aurélia, Lebeau Héléne, Karabacak Volkan, Vander Auwera Jacqueline, Lepoint Gilles, Dewitte Olivier, and Schmidt Sabine. 'Soil Erosion in Relation to Land-Use Changes in the Sediments of Amik Lake near Antioch Antique City during the Last 4 Kyr'. *The Holocene*, 30 June 2017, 0959683617715702. <https://doi.org/10.1177/0959683617715702>.
- Meshel, Zeev. *Sinai : Excavations and Studies*. BAR International Series. Oxford: Archaeopress, 2000.
- . 'Was There a "Via Maris"?' *Israel Exploration Journal* 23, no. 3 (1973): 162–66.
- Meyer, Jørgen Christian. 'City and Hinterland. Villages and Estates North of Palmyra. New Perspectives'. *Studia Palmyrenskie*, no. XII (2013): 269–86.
- Millar, Fergus. 'Caravan Cities: The Roman Near East and Long-Distance Trade by Land'. *Bulletin of the Institute of Classical Studies* 42, no. S71 (1 February 1998): 119–37. <https://doi.org/10.1111/j.2041-5370.1998.tb01697.x>.
- . 'The Roman Coloniae of the Near East: A Study of Cultural Relations'. In *Roman Eastern Policy and Other Studies in Roman History*, 8:23–30, 1990.
- . *The Roman Near East: 31 BC - AD 337*. Cambridge, MA: Harvard University Press, 1993.
- Miller, J. Maxwell, and Jack M. Pinkerton. *Archaeological Survey of the Kerak Plateau*. Archaeological Reports / American Schools of Oriental Research ; No. 1. Atlanta, Ga: Scholars Press, 1991.
- Miller, Naomi Frances. 'The Macrobotanical Evidence for Vegetation in the Near East, c. 18 000/16 000 B.C to 4 000 B.C.' *Paléorient* 23, no. 2 (1997): 197–207. <https://doi.org/10.3406/paleo.1997.4661>.
- Miranda, Adriana de. 'Water Architecture in the Lands of Syria : The Water-Wheels'. Ph.D., School of Oriental and African Studies (University of London), 2006. <http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.428585>.
- Mitchel, Larry A. *Hellenistic and Roman Strata : A Study of the Stratigraphy of Tell Hesban from the 2nd Century B.C. to the 4th Century A.D.* Hesban ; 7 063164825. Berrien Springs, Mich: Andrews University Press/Institute of Archaeology, 1992.
- . 'The Hellenistic and Roman Periods at Tell Hesban, Jordan', 1980. <http://digitalcommons.andrews.edu/dissertations/96>.
- Mkhabela, M. S., P. Bullock, S. Raj, S. Wang, and Y. Yang. 'Crop Yield Forecasting on the Canadian Prairies Using MODIS NDVI Data'. *Agricultural and Forest Meteorology* 151, no. 3 (15 March 2011): 385–93. <https://doi.org/10.1016/j.agrformet.2010.11.012>.
- Moors, Steven Menno. 'De Decapolis: steden en dorpen in de Romeinse provincies Syria en Arabia'. Ph.D., Leiden University, 1992.
- Morey, Charles R. 'The Excavation of Antioch-on-the-Orontes'. *Proceedings of the American Philosophical Society* 76, no. 5 (1 January 1936): 637–51. <https://doi.org/10.2307/984752>.
- Mowry, Lucetta. 'Settlements in the Jericho Valley during the Roman Period (63 B.C. - A.D. 134)'. *The Biblical Archaeologist* 15, no. 2 (1 May 1952): 26–42. <https://doi.org/10.2307/3209110>.
- Murphy, Elizabeth A., Haim Goldfus, and Benny Arubas. 'The Jerusalem Legio X Fretensis Kilnworks: Contextualizing Ceramic Manufacture and "Legionary Wares"'. *Oxford Journal of Archaeology* 37, no. 4 (2018): 443–66. <https://doi.org/10.1111/ojoa.12153>.
- Nappo, Dario. 'On the Location of Leuke Kome'. *Journal of Roman Archaeology* 23 (January 2010): 335–48. <https://doi.org/10.1017/S1047759400002439>.
- Neglia, Giulia Annalinda. 'An Interpretation of the Urban Fabric: The Structure of Pre-Islamic Aleppo'. *Urban Morphology* 11, no. 1 (2007): 43.
- Nehmé, Laila, Wael Abu-Azizeh, Thomas Bauzou, Caroline Durand, Jérôme Rohmer, Ibrahim As-Sabban, Nathalie Delhopital, et al. 'Report on the Fifth Season (2014) of the Madâ'in Sâlih Archaeological Project', 3 March 2015. <https://halshs.archives-ouvertes.fr/halshs-01122002/document>.

- Neumann, Kristina M. *Antioch in Syria: A History from Coins (300 BCE–450 CE)*. Cambridge University Press, 2021.
- . 'Mapping the Transformation of Roman Antioch: The Coin Evidence'. ProQuest Dissertations Publishing, 2015. <http://search.proquest.com/docview/1739017585/?pq-origsite=primo>.
- Newson, Paul. 'The Carchemish Region between the Hellenistic and Early Islamic Periods'. In *Carchemish in Context: The Land of Carchemish Project, 2006–2010*, edited by Tony J. Wilkinson, Edgar Peltenburg, Eleanor Barbanes, and British Association for Near Eastern Archaeology, 184–202. Themes from the Ancient Near East BANEA Publication Series ; Vol. 4 329892673. Oxford & Philadelphia: Oxbow Books, 2016.
- Nol, Hagit. 'The Fertile Desert: Agriculture and Copper Industry in Early Islamic Arava (Arabah)'. *Palestine Exploration Quarterly* 147, no. 1 (1 March 2015): 49–68. <https://doi.org/10.1179/1743130114Y.0000000012>.
- Nurpetlian, Jack A. 'Coinage in Late Hellenistic and Roman Syria : The Orontes Valley (1st Century BC–3rd Century AD)'. Ph.D., University of Warwick, 2013. [http://webcat.warwick.ac.uk/record=b2685696~\\$1](http://webcat.warwick.ac.uk/record=b2685696~$1).
- Nützel, Werner. *Einführung in die Geo-Archäologie des Vorderen Orients*. Wiesbaden: Reichert, 2004.
- Oates, David. *Studies in the Ancient History of Northern Iraq*. London [etc.]: The Oxford University Press, 1968.
- Oates, David, and Joan Oates. 'Ain Sinu: A Roman Frontier Post in Northern Iraq'. *IRAQ* 21, no. 2 (October 1959): 207–42. <https://doi.org/10.2307/4199660>.
- O'Hea, Margaret. 'Note on a Roman Milestone from Gadora (al-Salt) in the Jordan Valley'. *Levant* 34, no. 1 (1 January 2002): 235–38. <https://doi.org/10.1179/lev.2002.34.1.235>.
- Oleson, John Peter. 'Nabataean Water Supply, Irrigation, and Agriculture: An Overview'. In *The World of the Nabataeans: Volume 2 of the International Conference, The World of the Herods and the Nabataeans, Held at the British Museum, 17–19 April 2001*, edited by Konstantinos D. Politis, 2:217–49. Oriens et Occidens 15. Stuttgart: Steiner, 2007.
- Othman, Ali. 'Sura (Raqqā)'. In *A History of Syria in One Hundred Sites*, edited by Youssef Kanjou and Akira Tsuneki, 414–16. Archaeopress Archaeology. Oxford: Archaeopress Publishing Ltd, 2016.
- Ovadiāh, A. 'Excavations in the Area of the Ancient Synagogue at Gaza (Preliminary Report)'. *Israel Exploration Journal* 19, no. 4 (1969): 193–98.
- Palermo, Rocco. 'Nisibis, Capital of the Province of Mesopotamia: Some Historical and Archaeological Perspectives'. *Journal of Roman Archaeology* 27 (January 2014): 456–71. <https://doi.org/10.1017/S1047759414001354>.
- . *On the Edge of Empires: North Mesopotamia During the Roman Period (2nd - 4th C. CE)*. Florence, UNITED STATES: Taylor & Francis Group, 2019. <http://ebookcentral.proquest.com/lib/kb/detail.action?docID=5702795>.
- Palmisano, Alessio. 'Confronting Scales of Settlement Hierarchy in State-Level Societies: Upper Mesopotamia and Central Anatolia in the Middle Bronze Age'. *Journal of Archaeological Science: Reports* 14 (1 August 2017): 220–40. <https://doi.org/10.1016/j.jasrep.2017.05.029>.
- Pamir, Hatice. 'Recent Researches and New Discoveries in the Harbours of Seleucia Pieria'. In *Häfen Und Hafenstädte Im Östlichen Mittelmeerraum von Der Antike Bis in Byzantinische Zeit: Neue Entdeckungen Und Aktuelle Forschungsansätze ; Istanbul, 30.05.-01.06.2011. 1 1*, edited by Sabine Ladstätter, Felix Pirson, and Thomas Schmidts, 1:177–98. BYZAS 19. Istanbul: Ege Yayınları, 2014.
- . 'The Orontes Delta Survey'. In *The Amuq Valley Regional Projects*, edited by K. Aslihan Yener, Stephen Batiuk, and Robert Kriech Ritner, 1:67–98. Chicago: Oriental Institute of the University of Chicago, 2005.
- Pamir, Hatice, and Gunnar Brands. 'Asi Deltası ve Asi Vadisi Arkeoloji Projesi: Antiocheia, Seleuceia Pieria ve Sabuniye Yüzey Araştırmaları 2004 Yılı Çalışmaları'. *Araştırma Sonuçları Toplantıları* 23, no. 2 (2005): 89–102.

- . 'Asi Deltası ve Asi Vadisi Arkeolojisi Projesi: Antakya ve Samandağ Yüzey Araştırmaları 2005'. *Araştırma Sonuçları Toplantıları* 24, no. 2 (2006): 397–418.
- . 'The Asi Delta and the Asi Valley Archaeological Project in 2004: Samandağ and Antakya Surveys'. *ANMED* 3 (2005): 103–8.
- Pamir, Hatice, Gunnar Brands, and Çevirici Figen. 'Hatay İli, Antakya, Samandağ ve Yayladağı: Yüzey Araştırması 2006'. *Araştırma Sonuçları Toplantıları* 25, no. 3 (2007): 393–410.
- Pamir, Hatice, Gunnar Brands, and Shinichi Nishiyama. 'Hatay Yüzey Araştırmaları 2007: Antakya, Samandağ, Yayladağı ve Altınözü'. *Araştırma Sonuçları Toplantıları* 26, no. 3 (2008): 1–12.
- Pamuk, Şevket. 'Institutional Change and Economic Development in the Middle East, 700–1800'. In *The Cambridge History of Capitalism*, edited by Larry Neal and Jeffrey G. Williamson, 1:193–224. Cambridge: Cambridge University Press, 2014.
<http://dx.doi.org/10.1017/CHO9781139095099.008>.
- . *The Ottoman Empire and European Capitalism, 1820-1913: Trade, Investment and Production*. Cambridge: Cambridge University Press, 1987.
- Parker, S. Thomas. 'Preliminary Report on the 1994 Season of the Roman Aqaba Project'. *Bulletin of the American Schools of Oriental Research*, no. 305 (1997): 19–44.
<https://doi.org/10.2307/1357744>.
- . 'Roman Aila and the Wadi Arabah: An Economic Relationship'. In *Crossing the Rift: Resources, Routes, Settlement Patterns and Interactions in the Wadi Arabah*, edited by Piotr Bienkowski and Katharina Meisel Galor, 223–30, 2006.
- Parkins, Helen. *Roman Urbanism : Beyond The Consumer City*. 1st ed. Hoboken: Taylor and Francis, 1997.
- Parr, Peter J. *Excavations at Tell Nebi Mend, Syria. Vol. 1: Excavations at Tell Nebi Mend, Syria : Volume 1*. Levant Supplementary Series ; Vol. 16 270753168. Oxford and Philadelphia: Oxbow Books, 2015.
- Patrich, Joseph. *Studies in the Archaeology and History of Caesarea Maritima: Caput Judaeae, Metropolis Palaestinae*. Ancient Judaism and Early Christianity 77. Leiden: Brill, 2011.
- Paturel, Simone. 'Landscapes of Conversion: Baalbek-Heliopolis from 100 Bc to 400 Ad'. Ph.D., University of Newcastle Upon Tyne (United Kingdom), 2014.
<https://search.proquest.com/docview/1780289373/>.
- Pellegrino, Frida. 'The Urbanization of the North-Western Provinces of the Roman Empire: A Juridical and Functional Approach to Town Life in Roman Gaul, Germania Inferior and Britain'. Ph.D., Leiden University, 2018.
- Perring, Dominic. 'Archaeology and the Post-War Reconstruction of Beirut'. *Conservation and Management of Archaeological Sites* 11, no. 3–1 (1 November 2009): 296–314.
<https://doi.org/10.1179/175355210X12747818485529>.
- Perry, Megan A., Drew Coleman, and Nathalie Delhopital. 'Mobility and Exile at 2nd Century A.D. Khirbet Edh-Dharih: Strontium Isotope Analysis of Human Migration in Western Jordan'. *Geoarchaeology* 23, no. 4 (1 July 2008): 528–49. <https://doi.org/10.1002/gea.20230>.
- Pfälzner, Peter. 'The Elephants of the Orontes'. *Syria. Archéologie, Art et Histoire*, no. IV (1 December 2016): 159–82. <https://doi.org/10.4000/syria.5002>.
- Philip, Graham, and Jennie Bradbury. 'Settlement in the Upper Orontes Valley from the Neolithic to the Islamic Period: An Instance of Punctuated Equilibrium'. *Syria. Archéologie, Art et Histoire*, no. IV (1 December 2016): 377–95. <https://doi.org/10.4000/syria.4966>.
- Ploug, Gunhild and Fondation Carlsberg. *Hama : Fouilles et Recherches, 1931-1938. III, 1: The Graeco-Roman Town*. Nationalmuseets Skrifter. Større Beretninger ; 9 044930704. Copenhagen: Nationalmuseet, 1985.
- Poccardi, Grégoire. 'Antioche de Syrie : Pour Un Nouveau Plan Urbain de l'île de l'Oronte (Ville Neuve) Du IIIe Au Ve Siècle'. *Mélanges de l'École Française de Rome. Antiquité* 106 (1994): 993–1023.
- Poccardi, Grégoire, and Jacques Leblanc. 'Etude de La Permanence Des Tracés Urbains et Ruraux Antiques à Antioche-Sur-l'Oronte'. *Syria* 76, no. 1 (1999): 91–126.
<https://doi.org/10.3406/syria.1999.7645>.

- Poidebard, Antoine. *Sidon, aménagements antiques du port de Saïda : étude aérienne, au sol et sous-marine, 1946-1950*. Beyrouth: Ministère des Travaux Publics, 1951.
- Pollard, Nigel D. *Soldiers, Cities, and Civilians in Roman Syria*. Ann Arbor (Mich.): University of Michigan Pr., 2000.
- Porter, Benjamin W. 'Assembling the Iron Age Levant: The Archaeology of Communities, Politics, and Imperial Peripheries'. *Journal of Archaeological Research* 24, no. 4 (1 December 2016): 373–420. <https://doi.org/10.1007/s10814-016-9093-8>.
- Pumain, Denise. 'Pour une théorie évolutive des villes'. *L'Espace géographique* 26, no. 2 (1997): 119–34. <https://doi.org/10.3406/spgeo.1997.1063>.
- . 'Settlement Systems in the Evolution'. *Geografiska Annaler. Series B, Human Geography* 82, no. 2 (2000): 73–87.
- Ramsay, Jennifer, and Andrew M. Smith II. 'Desert Agriculture at Bir Madhkur: The First Archaeobotanical Evidence to Support the Timing and Scale of Agriculture during the Late Roman/Byzantine Period in the Hinterland of Petra'. *Journal of Arid Environments* 99 (December 2013): 51–63. <https://doi.org/10.1016/j.jaridenv.2013.09.005>.
- Rasmussen, M. S. 'Developing Simple, Operational, Consistent NDVI-Vegetation Models by Applying Environmental and Climatic Information. Part II: Crop Yield Assessment'. *International Journal of Remote Sensing* 19, no. 1 (1 January 1998): 119–39. <https://doi.org/10.1080/014311698216468>.
- Raymond, André. 'Alep à l'époque Ottomane (XVIe-XIXe Siècles)'. *Revue Du Monde Musulman et de La Méditerranée* 62, no. 1 (1991): 93–109. <https://doi.org/10.3406/remmm.1991.1525>.
- . 'La Conquête Ottomane et Le Développement Des Grandes Villes Arabes'. *Revue de l'Occident Musulman et de La Méditerranée* 27, no. 1 (1979): 115–34. <https://doi.org/10.3406/remmm.1979.1845>.
- . 'The Population Of Aleppo In The Sixteenth And Seventeenth Centuries According To Ottoman Census Documents'. *International Journal of Middle East Studies* 16, no. 04 (November 1984): 447–60. <https://doi.org/10.1017/S002074380002849X>.
- Reece, Richard. 'Town and Country: The End of Roman Britain'. *World Archaeology* 12, no. 1 (1980): 77–92.
- Renan, Ernest. 'Campagne de Byblos'. In *Mission de Phénicie*, 1:153–359. Paris: Impr. Impériale, 1864.
- Renan, Ernest and Thobois. *Mission de Phénicie*. Paris: Impr. Impériale, 1864.
- Rey-Coquais, Jean-Paul. *Arados et sa pérée aux époques grecque, romaine et byzantine : recueil des témoignages littéraires anciens, suivi de recherches sur les sites, l'histoire, la civilisation*. Bibliothèque archéologique et historique. 852438184. Paris: PGeuthner, 1974.
- . 'Les Frontières d'Hélioupolis ; Quelques Remarques'. In *La Géographie Administrative et Politique d'Alexandre à Mahomet. Actes Du Colloque de Strasbourg 14-16 Juin 1979*, 169–75. Brill, 1981.
- . 'Seleucia Pieria'. In *The Princeton Encyclopedia of Classical Sites*, edited by Richard Stillwell and William L. MacDonald. Princeton, NJ: Princeton University Press, 1976.
- Rice, Candace, Andrew Wilson, and Katia Schörle. 'Roman Ports and Mediterranean Connectivity'. *Rome, Portus and the Mediterranean*, 2012, 367–92.
- Richardson, Peter. *City and Sanctuary: Religion and Architecture in the Roman Near East*. London: SCM Press, 2002.
- Rocca, Samuel. *Herod's Judaea: A Mediterranean State in the Classic World*. Wipf and Stock Publishers, 2015.
- Rohmer, Jérôme. *Hauran VI: d'Aram à Rome : la Syrie du Sud de l'âge du fer à l'annexion romaine (XIIe siècle av. J.-C. - 1er siècle apr. J.-C.)*. Bibliothèque archéologique et historique 217. Beyrouth: Institut Français d'Archéologie du Proche-Orient, 2020.
- . 'Late Hellenistic Settlements in Hawrân (Southern Syria). Survival of Proto-Historic Urbanism and Village Architecture in a Hellenized Context'. *Bollettino Di Archeologia on Line* 1, no. Volume Speciale G / G5 / 2 (2010): 1–12.
- 'Roman Provincial Coinage'. Accessed 5 November 2022. <https://rpc.ashmus.ox.ac.uk/>.

- Rose, Charles Brian. 'A New Relief of Antiochus I of Commagene and Other Stone Sculpture from Zeugma'. In *Excavations at Zeugma*, edited by William Aylward, 1:220–31. Los Altos, California, 2013.
- Rosen, Steven A. *Map of Makhtesh Ramon (204) = Mappat Maktesh Ramon (204)*. Archaeological Survey of Israel. Jerusalem: Israel Antiquities Authority, 1994.
- . *Map of Mitzpe Ramon (201)*. Archaeological Survey of Israel. Jerusalem: Israel Antiquities Authority, 2016.
https://www.antiquities.org.il/survey/new/default_en.aspx?surveynum=2151.
- . 'The Decline of Desert Agriculture: A View from the Classical Period Negev'. In *The Archaeology of Drylands : Living at the Margin*, edited by Graeme Barker and David Gilbertson, 44–61. One World Archaeology. London: Routledge, 2000.
<https://login.ezproxy.leidenuniv.nl:2443/login?URL=https://search.ebscohost.com/login.aspx?direct=true&db=e000xww&AN=93414&site=ehost-live>.
- . 'The Nabateans as Pastoral Nomads. An Archaeological Perspective'. In *The World of the Nabateans*, edited by Konstantinos D. Politis, 345–74. Stuttgart, 2007.
- Ross, Steven K. *Roman Edessa : Politics and Culture on the Eastern Fringes of the Roman Empire, 114-242 CE*. London etc: Routledge, 2001.
- Rotman, Youval. 'Babatha'. In *The Encyclopedia of Ancient History*. John Wiley & Sons, Inc., 2013.
- Rousset, Marie-Odile. 'Chalcis/Qinnasrin: From Hellenistic City to the Jund Capital of North Syria'. In *Proceedings of the 7th International Congress on the Archaeology of the Ancient Near East. 12 April - 16 April 2010, the British Museum and UCL, London*, Vol. 2. Wiesbaden: Harrasowitz Verlag, 2012.
- . 'Qanâts de la steppe syrienne'. In *Entre nomades et sédentaires : prospections en Syrie du Nord et en Jordanie du Sud*, edited by Pierre-Louis Gatier, B. Geyer, and Marie-Odile Rousset, 241–70. Travaux de la Maison de l'Orient 55. Lyon: Maison de l'Orient et de la Méditerranée, 2010.
- Ruppin, A. *Syrien Als Wirtschaftsgebiet, Zweite, Durchgesehene Auflage*. Berlin-Vienna, 1920.
- Russell, J. C. 'Late Ancient and Medieval Population'. *Transactions of the American Philosophical Society* 48, no. 3 (1958): 1–152. <https://doi.org/10.2307/1005708>.
- Russell, Kenneth W. 'The Earthquake Chronology of Palestine and Northwest Arabia from the 2nd Through the Mid-8th Century A. D.' *Bulletin of the American Schools of Oriental Research*, no. 260 (1985): 37–59. <https://doi.org/10.2307/1356863>.
- Saad, Hammam, and Christophe Benech. 'Nouvelles Données Sur Le Plan Antique de Damas'. In *Archéologie de l'espace Urbain*, 109–20. Presses universitaires François-Rabelais, 2013.
- Sabar, Roi. 'Josephus' "Cydasas of the Tyrians" (Tel Qedesh) in Eastern Upper Galilee'. *Journal of Roman Archaeology* 31 (ed 2018): 387–405.
<https://doi.org/10.1017/S1047759418001393>.
- Safrai, Zeev. *The Economy of Roman Palestine*. Routledge (London and New York), 1994.
- Salamandra, Christa. *A New Old Damascus: Authenticity and Distinction in Urban Syria*. Indiana Series in Middle East Studies. Bloomington: Indiana University Press, 2004.
- Salamé-Sarkis, Ḥassān. *Contribution à l'histoire de Tripoli et de sa région à l'époque des Croisades: problèmes d'histoire, d'architecture et de céramique*. Bibliothèque archéologique et historique. 852438184. Paris: Librairie orientale P. Geuthner, 1980.
- Sallares, Robert. *The Ecology of the Ancient Greek World*. Cornell University Press, 1991.
- Sanders, Lena. 'Regards scientifiques croisés sur la hiérarchie des systèmes de peuplement: De l'empirie aux systèmes complexes'. *Hiérarchies et croissances urbaines: Nouveaux regards sur les lois de Zipf et de Gibrat pour les villes*, 2013, 127.
- Sartre, Maurice. *Bostra. Des Origines à l'Islam*. Paris: Librairie orientale Paul Geuthner, 1985.
- . *D'Alexandre à Zénobie : Histoire Du Levant Antique : IVe Siècle Avant J.-C.-IIIe Siècle Après J.-C.* Paris: Fayard, 2001.
- . 'Les Metrokomiai de Syrie Du Sud'. *Syria* 76, no. 1 (1999): 197–222.
<https://doi.org/10.3406/syria.1999.7611>.
- . 'Les Nomades Dans l'Empire Romain'. *L'Itinérance de l'Antiquité à l'époque Moderne*, 2009, 51–91.

- . *The Middle East under Rome*. Translated by Catherine Porter, Elizabeth Trapnell Rawlings, and Jeannine Routier-Pucci. Cambridge, MA: Belknap Pr. of Harvard University Pr., 2005.
- Sauvaget, J. *Alep : essai sur le développement d'une grande ville syrienne, des origines au milieu du XIXe siècle*. Bibliothèque archéologique et historique. Paris: Paul Geuthner, 1941.
- Sauvaget, Jean, R. P. R. Mouterde, and R. P. B. Mouterde. 'Le Plan de Laodicée-Sur-Mer'. *Bulletin d'études Orientales* 4 (1934): 81–116.
- Savage, Stephen H. 'Assessing Departures from Log-Normality in the Rank-Size Rule'. *Journal of Archaeological Science* 24, no. 3 (March 1997): 233–44.
<https://doi.org/10.1006/jasc.1996.0106>.
- Sayre, Nathan F. 'The Genesis, History, and Limits of Carrying Capacity'. *Annals of the Association of American Geographers* 98, no. 1 (5 February 2008): 120–34.
<https://doi.org/10.1080/00045600701734356>.
- Sbeinati, M. R., R. Darawcheh, and M. Mouty. 'The Historical Earthquakes of Syria: An Analysis of Large and Moderate Earthquakes from 1365 BC to 1900 AD'. *Annals of Geophysics*, 2005.
- Schlicht, Lotte, Mihai Valcu, and Bart Kempnaers. 'Thiessen Polygons as a Model for Animal Territory Estimation'. *Ibis* 156, no. 1 (1 January 2014): 215–19.
<https://doi.org/10.1111/ibi.12105>.
- Schmid, Stephan G. 'Foucault and the Nabataeans - or What Space Has to Do with It'. In *Men on the Rocks: The Formation of Nabataean Petra*, edited by Michel Mouton and Stephan G. Schmid, 23–34. Supplement to the Bulletin of Nabataean Studies 1. Berlin: Logos Verlag, 2013.
- Schmidt-Colinet, Andreas, and Waleed Al-As'ad, eds. *Palmyras Reichtum durch weltweiten Handel. archäologische Untersuchungen im Bereich der hellenistischen Stadt / Band 1, Architektur und ihre Ausstattung*. Vol. 1. Place of publication not identified Holzhausen der Verlag, 2013.
- , eds. *Palmyras Reichtum durch weltweiten Handel. archäologische Untersuchungen im Bereich der hellenistischen Stadt / Band 2, Kleinfunde*. Vol. 2. Place of publication not identified Holzhausen der Verlag, 2013.
- Schumacher, Gottlieb-. *Tell el-Mutesellim : Bericht über die 1903 bis 1905 ... vom Deutschen Verein zur Erforschung Palästinas veranstalteten Ausgrabungen*. Leipzig: Rudolf Haupt, 1908.
- Sear, Frank. *Roman Theatres: An Architectural Study*. Oxford etc: Oxford University Press, 2006.
- Segal, Arthur. 'The Kalybe Structures: Temples of the Imperial Cult in Hauran and Trachon: An Historical-Architectural Analysis'. *Assaph - Studies in Art History* 6 (2001): 91–118.
- Segal, Arthur, and Michael Eisenberg. 'Sussita-Hippos of the Decapolis: Town Planning and Architecture of a Roman Byzantine City'. *Near Eastern Archaeology* 70, no. 2 (2007): 86–107.
- Segal, Arthur fl 1978. *Temples and Sanctuaries in the Roman East : Religious Architecture in Syria, Iudaea/Palaestina and Provincia Arabia*. Oxford: Oxbow Books, 2013.
- Segal, J. B. 'Abgar'. *Encyclopaedia Iranica*, 2011. <http://www.iranicaonline.org/articles/abgar-dynasty-of-edessa-2nd-century-bc-to-3rd-century-ad>.
- Sehumacher, G. 'Unsere Arbeiten Im Ostjordanlande'. *Zeitschrift Des Deutschen Palästina-Vereins (1878-1945)* 37, no. 2 (1 January 1914): 123–34.
- Seigne, Jacques. 'Les Limites Orientale et Méridionale Du Territoire de Gerasa'. *Syria* 74 (1997): 121–40.
- Seland, Eivind Heldaas. *Ships of the Desert and Ships of the Sea: Palmyra in the World Trade of the First Three Centuries CE*. 1st ed. Wiesbaden: Harrassowitz, O, 2016.
- Seland, Eivind Heldaas, and Jørgen Christian Meyer. 'Palmyra and the Trade Route to the Euphrates'. *ARAM Periodical* 28, no. 1–2 (1 January 2016).
https://www.academia.edu/35407568/Palmyra_and_the_trade_route_to_the_Euphrates.
- Shahack-Gross, Ruth, Elisabetta Boaretto, Dan Cabanes, Ofir Katz, and Israel Finkelstein. 'Subsistence Economy in the Negev Highlands: The Iron Age and the Byzantine/Early Islamic Period'. *Levant* 46, no. 1 (1 April 2014): 98–117.
<https://doi.org/10.1179/0075891413Z.00000000034>.

- Shatzman, Israel. *The Armies of the Hasmonaeans and Herod: From Hellenistic to Roman Frameworks*. Mohr Siebeck, 1991.
- Smith, Alexander, Martyn Allen, Tom Brindle, and Michael Fulford. *The Rural Settlement of Roman Britain*. Society for the Promotion of Roman Studies London, 2016.
- Smith, Andrew M. 'Pathways, Roadways, and Highways: Networks of Communication and Exchange in Wadi Araba'. *Near Eastern Archaeology* 68, no. 4 (2005): 180–89.
- Smith, Robert Houston, and John Lawrence Angel. *Pella of the Decapolis. Vol. 1: The 1967 Season of the College of Wooster Expedition to Pella*. Wooster, Ohio: College of Wooster, 1973.
- Smith, Robert Houston, Leslie Preston Day, and Frank L. Koucky. *Pella of the Decapolis. Vol. 2. Final Report on the College of Wooster Excavations in Area IX, the Civic Complex, 1979–1985*. Wooster, Ohio: College of Wooster, 1989.
- Sommer, Michael. 'Der Löwe von Tadmor. Palmyra und der unwahrscheinliche Aufstieg des Septimius Odaenathus'. *Historische Zeitschrift* 287, no. 2 (2009): 281–318.
<https://doi.org/10.1524/hzhz.2008.0043>.
- . *Roms Orientalische Steppengrenze: Palmyra, Edessa, Dura-Europos, Hatra*. Oriens et Occidens 9. Stuttgart: Steiner, 2005.
- . 'The Venice of the Sands: Palmyrene Trade Revisited'. In *Palmyrena: City, Hinterland and Caravan Trade between Orient and Occident*, edited by Jørgen Christian Meyer, Eivind Heldaas Seland, and Nils Anfinset, 11–18. Oxford: Archaeopress Publishing Ltd, 2016.
- Speidel, Michael Alexander. 'Ausserhalb des Reiches? Zu neuen lateinischen Inschriften aus Saudi-Arabien und zur Ausdehnung der römischen Herrschaft am Roten Meer'. In *Heer und Herrschaft im Römischen Reich der Hohen Kaiserzeit*, edited by Michael Alexander Speidel, 633–49. Stuttgart, 2009.
- . 'Almaqah in Rom? Epigraphisches zu den römisch-sabäischen Beziehungen in der Hohen Kaiserzeit'. *Zeitschrift für Papyrologie und Epigraphik* 194 (2015): 241–58.
- Sperber, Daniel. 'On the Office of the Agoranomos in Roman Palestine'. *Zeitschrift Der Deutschen Morgenländischen Gesellschaft* 127, no. 2 (1977): 227–43.
- Stager, Lawrence E., John David Schloen, and Daniel M. Master. *Final Reports of the Leon Levy Expedition to Ashkelon. Ashkelon 1: Introduction and Overview (1985–2006)*. Winona Lake, Ind: Eisenbrauns, 2008.
- Stein, Alla. 'Gaius Julius, an Agoranomos from Tiberias'. *Zeitschrift Für Papyrologie Und Epigraphik* 93 (1992): 144–48.
- Steiner, Margreet L., and Ann E. Killebrew. *The Oxford Handbook of the Archaeology of the Levant: C. 8000–332 BCE*. OUP Oxford, 2014.
- Stern, Ephraim, Ayelet Lewinson-Gilboa, and Joseph Aviram. *The New Encyclopedia of Archaeological Excavations in the Holy Land*. Jerusalem: The Israel Exploration Society & Carta, The Israel Map and Publishing Company, 1993.
- Stone, Elisabeth C. *The Iron Age Settlement at 'Ain Dara, Syria: Survey and Soundings*. BAR International Series. Oxford: Hedges, 1999.
- Stone, Peter James. "'Provincial" Perspectives: The Persian, Ptolemaic, and Seleucid Administrative Center at Tel Kedesh, Israel, in a Regional Context'. Ph.D., University of Cincinnati, 2012.
<http://search.proquest.com/docview/1101004887/abstract/EA82346BC8664D29PQ/1>
- Stucky, Rolf A. 'Schweizerische archäologische Ausgrabungen auf Tell el Hajj (Syrien)'. *Museum Helveticum* 29, no. 3 (1972): 228–31.
- Tal, Oren, Ruth E. Jackson-Tal, and Ian C. Freestone. 'New Evidence of the Production of Raw Glass at Late Byzantine Apollonia-Arsuf, Israel'. *Journal of Glass Studies* 46 (2004): 51–66.
- Talbert, Richard J. A. *Barrington Atlas of the Greek and Roman World. Map-by-Map Directory*. Princeton, NJ etc: Princeton University Press, 2000.
- Talmi, Limor. 'Kh. 'Asafna: Final Report'. *Hadashot Arkheologiyot: Excavations and Surveys in Israel / ארכיאולוגיות חדשות: חפירות וסקרים* 131 (2019).
<https://www.jstor.org/stable/26904642>.

- Tarpin, Michel. 'Vici et agglomérations secondaires : quelques faux problèmes / Vici and secondary agglomerations : some non-issues'. *Supplément à la Revue archéologique du centre de la France* 42, no. 1 (2012): 177–82.
- Tate, Georges. *Les campagnes de la Syrie du Nord du II^e au VII^e siècle : un exemple d'expansion démographique et économique à la fin de l'antiquité*. Paris: Librorientaliste PGeuthner, 1992.
- Tchalenko, Georges. *Villages antiques de la Syrie du Nord: le massif du Bélus à l'époque romaine*. Vol. 3. Paris: Geuthner, 1953.
- . *Villages antiques de la Syrie du Nord: le massif du Bélus à l'époque romaine*. Vol. 1. Paris: Geuthner, 1953.
- . *Villages antiques de la Syrie du Nord: le massif du Bélus à l'époque romaine*. Vol. 2. Paris: Geuthner, 1953.
- Teixidor, Javier. *Un port romain du désert: Palmyre et son commerce d'Auguste à Caracalla*. *Semitica* ; 34. 840960611. Paris: Librairie Adrien-Maisonneuve, 1984.
- Tepper, Yotam. 'Lajjun-Legio in Israel: Results of a Survey in and around the Military Camp Area'. In *Limes XVIII: Proceedings of the XVIIIth International Congress of Roman Frontier Studies, Held in Amman, Jordan*, 1:231–42. BAR International Series 1084. Oxford: Archaeopress, 2002.
- . 'Megiddo, Survey'. *Hadashot Arkheologiyot – Excavations and Surveys in Israel*. Volume 125, 28 November 2013. http://www.hadashot-esi.org.il/report_detail_eng.aspx?id=5390&mag_id=120.
- . 'The Roman Legionary Camp at Legio, Israel: Results of an Archaeological Survey and Observations on the Roman Military Presence at the Site'. In *The Late Roman Army in the Near East from Diocletian to the Arab Conquest*, edited by Ariel Lewin, Pietrina Pellegrini, Zbigniew T. Fiema, and Sylvain Janniard, 1717:57. BAR International Series. Oxford: Archaeopress, 2007.
- Terpstra, Taco T. *Trading Communities in the Roman World: A Micro-Economic and Institutional Perspective*. Columbia Studies in the Classical Tradition ; Vol. 37. 802459145. Leiden [etc.]: Brill, 2013.
- 'The CRANE Project'. Accessed 12 July 2022. <https://crane.utoronto.ca/>.
- Tholbecq, Laurent. 'The Hinterland of Petra (Jordan) and the Jabal Shara during the Nabataean, Roman and Byzantine Periods'. In *Men on the Rocks: The Formation of Nabataean Petra*, edited by Michel Mouton and Stephan SG Schmid, 295–312. Supplement to the Bulletin of Nabataean Studies 1. Berlin: Logos Verlag, 2013.
- . 'The Hinterland of Petra (Jordan) and the Jabal Shara during the Nabataean, Roman and Byzantine Periods'. In *Men on the Rocks: The Formation of Nabataean Petra*, edited by Michel Mouton and Stephan SG Schmid, 295–312. Supplement to the Bulletin of Nabataean Studies 1. Berlin: Logos Verlag, 2013.
- Tholbecq, Laurent, Thibaud Fournet, Nicolas Paridaens, Soline Delcros, Gaëlle Dumont, Caroline Durand, Pascal Rieth, and Laurent Vallières. 'Le site nabatéo-romain du Wādī Sabrā : état des lieux, relevé et hypothèses de travail'. In *De Pétra à Wadi Ramm : le sud jordanien nabatéen et arabe*, edited by Laurent Tholbecq, 63–100. Brussels: Presses Universitaires de Bruxelles, 2015.
- Todd, Malcolm. 'The Small Towns of Roman Britain'. *Britannia* 1 (1970): 114–30.
- Todt, Klaus-Peter, and Bernd Andreas Vest. *Syria (Syria Prote, Syria Deuteria, Syria Euphratēsia)*. *Tabula Imperii Byzantini* 15. Verlag der Österreichischen Akademie der Wissenschaften, 2014. <http://hw.oeaw.ac.at/7090-7>.
- Tonghini, Cristina. *Shayzar I : The Fortification of the Citadel*. 1st ed. Leiden: BRILL, 2011.
- Tsafrir, Yoram. *Tabula Imperii Romani : Iudaea-Palaestina : Eretz Israel in the Hellenistic, Roman and Byzantine Periods : Maps and Gazetteer*. Jerusalem: Israel Academy of Sciences and Humanities, 1994.
- Tsafrir, Yoram, and Gideon Foerster. 'Urbanism at Scythopolis-Bet Shean in the Fourth to Seventh Centuries'. *Dumbarton Oaks Papers* 51 (1 January 1997): 85–146. <https://doi.org/10.2307/1291763>.

- Tzaferis, Vassilios. 'Caesarea Philippi (Paneas) in the Roman and Byzantine Periods'. *The Archaeology of Difference: Gender, Ethnicity, Class and the 'Other' in Antiquity: Studies in Honor of Eric M. Meyers*, 2007, 333–48.
- Verreth, Herbert. 'The Northern Sinai from the 7th Century BC till the 7th Century AD. A Guide to the Sources'. 2006.
https://lirias.kuleuven.be/bitstream/123456789/163486/2/sinai_1.pdf.
- Versluys, M. J. *Visual Style and Constructing Identity in the Hellenistic World: Nemrud Dağ and Commagene under Antiochos I*. 1st ed. Greek Culture in the Roman World. Cambridge: University Press, 2017.
- Villeneuve, F., J.-P. Vallat, J. Leblanc, and M. Dodinet. 'Le Paysage Antique En Syrie : L'exemple de Damas'. *Syria* 67, no. 2 (1990): 339–67. <https://doi.org/10.3406/syria.1990.7161>.
- Villeneuve, François. 'Citadins, villageois, nomades : le cas de la Provincia Arabia (Ile-IVe s. ap. J.C.)'. *Dialogues d'histoire ancienne* 15, no. 1 (1989): 119–40.
<https://doi.org/10.3406/dha.1989.1832>.
- . 'L'économie rurale et la vie de campagne dans le Hauran antique (I siècle avant J.-C. - VI siècle après J.-C.)'. In *Hauran I : recherches archéologiques sur la Syrie du Sud à l'époque hellénistique et romaine*, edited by Jean-Marie Dentzer, 63–136. Bibliothèque archéologique et historique 124. Paris: Institut Français d'Archéologie du Proche Orient, 1985.
- Vita-Finzi, C., E. S. Higgs, D. Sturdy, J. Harriss, A. J. Legge, and H. Tippet. 'Prehistoric Economy in the Mount Carmel Area of Palestine: Site Catchment Analysis'. *Proceedings of the Prehistoric Society* 36 (December 1970): 1–37.
<https://doi.org/10.1017/S0079497X00013074>.
- Vivancos, Alejandro Egea. 'Poblamiento romano en el Alto Éufrates Sirio'. Ph.D., Universidad de Murcia, 2002.
- Vokaer, Agnès. 'Pottery Production and Exchange in Late Antique Syria (Fourth–Eighth Century A.D.). A Study of Some Imported and Local Wares'. *Late Antique Archaeology* 10 (1 January 2013): 567–606. <https://doi.org/10.1163/22134522-12340042>.
- Vokaer, Agnès, and Didier Viviers. 'Travaux de La Mission Archéologique à Apamée de Syrie XLIIIe Campagne (2009)'. *Revue Belge de Philologie et d'histoire* 88, no. 1 (2010): 113–49.
<https://doi.org/10.3406/rbph.2010.7795>.
- Vries, Bert de, and John Wilson Betlyon. *Umm El-Jimal : A Frontier Town and Its Landscape in Northern Jordan. Vol. 1: Fieldwork 1972-1981*. Journal of Roman Archaeology. Supplementary Series, No. 26. Portsmouth, RI: Journal of Roman Archaeology, 1998.
- Wagner, Jörg. 'Germanikeia'. In *Der Neue Pauly*. Brill, 1 October 2006.
<https://referenceworks.brillonline.com/entries/der-neue-pauly/germanikeia-e422530>.
- . 'Seleukeia Pieria Hafenstadt von Antiocheia'. In *Der Neue Pauly*, 11:355–358. New Pauly Online. Brill, n.d. <https://referenceworks.brillonline.com:443/entries/der-neue-pauly/seleukeia-e1107200>.
- Wagner, Jörg fl. *Die Römer an Euphrat und Tigris*. Antike Welt. Sondernummer ; 1985. 850810698. Feldmeilen: Raggi-Verlag, 1985.
- Walmsley, Alan G., and Anthony D. Grey. 'An Interim Report on the Pottery from Gharandal (Arindela), Jordan'. *Levant* 33, no. 1 (1 January 2001): 139–64.
<https://doi.org/10.1179/lev.2001.33.1.139>.
- Weber, Thomas. 'ΔΑΜΑΣΚΗΝΑ: Landwirtschaftliche Produkte Aus Der Oase von Damaskus Im Spiegel Griechischer Und Lateinischer Schriftquellen'. *Zeitschrift Des Deutschen Palästina-Vereins (1953-)* 105 (1989): 151–65.
- Weferling, U., D. Munzig, W. Wehmann, F. Göttlich, and H. Evers. 'Antiochia Am Orontes – Geodäsie Un Photogrammetrie Als Unverzichtbarer Beitrag in Bauhistorischen Und Archäologischen Projekten', no. Allgemeine Vermessungs-Nachrichten (2007): 295–302.
- Weisgerber, Gerd. 'The Mineral Wealth of Ancient Arabia and Its Use I: Copper Mining and Smelting at Feinan and Timna – Comparison and Evaluation of Techniques, Production, and Strategies'. *Arabian Archaeology and Epigraphy* 17, no. 1 (1 May 2006): 1–30.
<https://doi.org/10.1111/j.1600-0471.2006.00253.x>.

- Weiss, Zeev. 'Buildings for Mass Entertainment in the Cities of the Decapolis'. *ARAM Periodical* 23 (2011): 367–81.
- . 'Buildings for Mass Entertainment: Tradition and Innovation in Herodian Construction'. *Near Eastern Archaeology* 77, no. 2 (1 June 2014): 98–107. <https://doi.org/10.5615/neareastarch.77.2.0098>.
- . 'Theatres, Hippodromes, Amphitheatres, and Performances'. In *The Oxford Handbook of Jewish Daily Life in Roman Palestine*, edited by Catherine Hezser, 0. Oxford University Press, 2010. <https://doi.org/10.1093/oxfordhb/9780199216437.013.0034>.
- Weksler-Bdolah, Shlomit. 'A Plan "Aelia Capitolina" in the 4th c. A.D'. In *Roman Jerusalem*, 2017.
- . *Aelia Capitolina*. Brill, 2019. https://doi.org/10.1163/9789004417076_004.
- . 'Aelia Capitolina: The Roman Colony and Its Periphery'. Accessed 22 July 2020. https://www.academia.edu/41689405/Aelia_Capitolina_The_Roman_Colony_and_Its_Periphery.
- Wenning, Robert. 'Towards "Early Petra": An Overview of the Early History of the Nabataeans in Its Context'. In *Men on the Rocks: The Formation of Nabataean Petra*, edited by Michel Mouton and Stephan SG Schmid, 7–22. Supplement to the Bulletin of Nabataean Studies 1. Berlin: Logos Verlag, 2013.
- West, Louis C. 'Commercial Syria under the Roman Empire'. *Transactions and Proceedings of the American Philological Association* 55 (1924): 159–89. <https://doi.org/10.2307/283014>.
- Whittaker, Charles R. 'Frontiers'. In *The Cambridge Ancient History: Volume 11: The High Empire, A.D. 70-192*, edited by Alan K. Bowman, Peter Garnsey, and Dominic Rathbone, 2nd ed., 11:293–319. The Cambridge Ancient History. Cambridge: Cambridge University Press, 2008. <https://doi.org/10.1017/CHOL9780521302005.013>.
- Wilkins, Charles L. *Forging Urban Solidarities: Ottoman Aleppo 1640-1700*. BRILL, 2010.
- Wilkinson, Tony J. *Archaeological Landscapes of the Near East*. University of Arizona Press, 2003.
- Wilkinson, Tony J., John Bintliff, Hans H. Curvers, Paul Halstead, Phillip L. Kohl, Mario Liverani, Joy McCorriston, et al. 'The Structure and Dynamics of Dry-Farming States in Upper Mesopotamia [and Comments and Reply]'. *Current Anthropology* 35, no. 5 (1994): 483–520.
- Wilkinson, Tony J., E. Peltenburg, A. McCarthy, E. B. Wilkinson, and M. Brown. 'Archaeology in the Land of Carchemish: Landscape Surveys in the Area of Jerablus Tahtani, 2006'. *Levant* 39, no. 1 (June 2007): 213–47. <https://doi.org/10.1179/lev.2007.39.1.213>.
- Wilkinson, Tony J., Edgar Peltenburg, Eleanor Barbanes, and British Association for Near Eastern Archaeology. *Carchemish in Context: The Land of Carchemish Project, 2006-2010*. Themes from the Ancient Near East BANE A Publication Series ; Vol. 4 329892673. Oxford & Philadelphia: Oxbow Books, 2016.
- Wilkinson, Tony J., Jason Ur, and Jesse J. Casana. '14. From Nucleation to Dispersal: Trends in Settlement Pattern in the Northern Fertile Crescent'. In *Side-by-Side Survey: Comparative Regional Studies in the Mediterranean World*, 189, 2004.
- Will, Ernest. 'Damas Antique'. *Syria* 71, no. 1/2 (1994): 1–43.
- . *Les Palmyréniens: la Venise des sables (Ier siècle avant - IIIème après J.-C.)*. Paris: Armand Colin, 1992.
- . 'Un Vieux Problème de La Topographie de La Beqā' Antique: Chalcis Du Liban'. *Zeitschrift Des Deutschen Palästina-Vereins (1953-)* 99 (1983): 141–46.
- Willet, Rinse. *The Geography of Urbanism in Roman Asia Minor*. Equinox publishing; Sheffield and Bristol, 2020. <https://lirias.kuleuven.be/2952190>.
- . 'Whirlwind of Numbers. Demographic Experiments for Roman Corinth'. *Ancient Society* 42 (2012): 127–58.
- Wilson, Andrew. 'City Sizes and Urbanization in the Roman Empire'. In *Settlement, Urbanization, and Population*, edited by Alan Bowman and Andrew Wilson. Oxford University Press, 2011.
- Wirth, Eugen. 'Alep Dans La Première Moitié Du XIXe Siècle : Un Exemple de Stabilité et de Dynamique Dans l'économie Ottomane Tardive'. *Revue Du Monde Musulman et de La Méditerranée* 62, no. 1 (1991): 133–49. <https://doi.org/10.3406/remmm.1991.1528>.

- . *Syrien : eine geographische Landeskunde*. Wissenschaftliche Länderkunden ; Bd. 4/5. 820826057. Darmstadt: Wissenschaftliche Buchgesellschaft, 1971.
- Wirth, Louis. 'Urbanism as a Way of Life'. *American Journal of Sociology* 44, no. 1 (1938): 1–24.
- 'World Bank Climate Variability Tool'. Accessed 1 October 2022.
http://iridl.ldeo.columbia.edu/maproom/Global/World_Bank/Climate_Variability/index.html.
- Worschech, Udo. 'Egypt and Moab'. *The Biblical Archaeologist* 60, no. 4 (1997): 229–36.
<https://doi.org/10.2307/3210625>.
- Wright, Nicholas L. 'The Last Days of a Seleucid City: Jebel Khalid on the Euphrates and Its Temple'. In *Seleucid Dissolution: The Sinking of the Anchor*, edited by Kyle Erickson and Gillian Ramsey, 117–32. Philippika : Marburger Altertumskundliche Abhandlungen, ISSN 1613-5628 50. Wiesbaden: Harrassowitz, 2011.
- Yener, K. Aslihan, Christopher Edens, Timothy P. Harrison, J. Verstraete, and Tony J. Wilkinson. 'The Amuq Valley Regional Project, 1995-1998'. *American Journal of Archaeology* 104, no. 2 (1 April 2000): 163–220. <https://doi.org/10.2307/507449>.
- Yon, Jean-Baptiste. *Les notables de Palmyre*. Bibliothèque archéologique et historique. Beyrouth: Presses de l'Ifpo, 2002. <http://books.openedition.org/ifpo/3763>.
- Zaina, Federico. *Excavations at Karkemish I. The Stratigraphic Sequence of Area G in the Inner Town OrientLab, Series Maior, III*. OrientLab Series Maior 3. Bologna: Ante Quem, 2018.
- Zangenberg, Jürgen K., and Dianne Van de Zande. 'Urbanization'. In *The Oxford Handbook of Jewish Daily Life in Roman Palestine*, edited by Catherine Hezser, 165–88. Oxford: Oxford University Press, 2010.
- Zerbini, Andrea. 'Society and Economy in Marginal Zones: A Study of the Levantine Agricultural Economy (1st-8th c. AD)'. Royal Holloway, University of London, 2013.
[https://pure.royalholloway.ac.uk/portal/en/publications/society-and-economy-in-marginal-zones-a-study-of-the-levantine-agricultural-economy-1st8th-c-ad\(04f13f83-92b4-4bf7-b605-1736adeb6824\).html](https://pure.royalholloway.ac.uk/portal/en/publications/society-and-economy-in-marginal-zones-a-study-of-the-levantine-agricultural-economy-1st8th-c-ad(04f13f83-92b4-4bf7-b605-1736adeb6824).html).
- Zertal, Adam. *The Manasseh Hill Country Survey. Vol. 1: The Shechem Syncline*. Culture and History of the Ancient Near East ; Vol. 21.1. 183455843. Leiden etc: Brill, 2004.
- Zipf, George Kingsley. *Human Behavior and the Principle of Least Effort : An Introd. to Human Ecology*. Cambridge, Mass. : Addison-Wesley Pr., 1949.
- 'Amr, Khairieh. 'Wadi Musa in der Antike'. In *Petra*, 142–46. Basel: Verlag Schwabe, 2012.