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Civitates Hispaniae : urbanisation on the Iberian peninsula during the High Empire

Houten, P.H.A.

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CIVITATES HISPANIAE

Urbanisation on the
Iberian Peninsula during the
High Empire

P.H.A. Houten

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CIVITATES HISPANIAE

Urbanisation on the Iberian Peninsula during the High Empire

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof. mr. C.J.J.M. Stolker,
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in 1984.

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Prof. dr. J.L. Bintliff

Promotiecommissie

Prof. dr. S. Panzram – Universität Hamburg

Prof. dr. O. Rodríguez Gutiérrez – Universidad de Sevilla

Prof. dr. J. Zangenberg – Universiteit Leiden

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ABBREVIATIONS

Ant. <i>Itin.</i>	<i>Itinerarium Antonini Augusti.</i>
App. <i>Iber.</i>	Appian, <i>Wars in Spain.</i>
Aristides <i>Or. Rom.</i>	Aelius Aristides, <i>Roman Orations.</i>
Aug. <i>RG</i>	Augustus, <i>Res Gestae.</i>
Caes. <i>Bell. Alex.</i>	Caesar, <i>Alexandrian War.</i>
Caes. <i>Bell. Civ.</i>	Caesar, <i>Civil War.</i>
Caes. <i>Bell. Hisp.</i>	Caesar, <i>Spanish War.</i>
Cass. Dio	Cassius Dio, <i>Roman History.</i>
Cic. <i>Fam.</i>	Cicero, <i>Letters to his Friends.</i>
Cic. <i>Phil.</i>	Cicero <i>Philippics.</i>
Cic. <i>Pro Balb.</i>	Cicero, <i>For Cornelius Balbus.</i>
Dio Chrys.	Dio Chrysostom, <i>Orations.</i>
Diod. Sic.	Diodorus Siculus, <i>Bibliotheca historica.</i>
Festus	Festus, <i>De Verborum Significatu.</i>
Flor. <i>Epit.</i>	Florus, <i>Epitome rerum Romanorum.</i>
Gellius <i>NA</i>	Gellius, <i>Noctes Atticae</i>
Hyd. <i>Chron.</i>	Hydiatus, <i>Chronicle.</i>
Itin. Astorga	<i>Barro de Astorga.</i>
Liv. <i>AUC</i>	Livy, <i>Ab Urbe Condita.</i>
Liv. <i>Per.</i>	Livy, <i>Periochae.</i>
M. Aur. <i>Med.</i>	Marcus Aurelius, <i>Meditations.</i>
Marcian. <i>Peripl.</i>	Marcianus Heracleensis, <i>Periplus.</i>
Mela	Mela, <i>De situ orbis libri III.</i>
Oros.	Orosius, <i>Historiarum Adversum Paganos Libri VII.</i>
Philostr. <i>VA</i>	Philostratus, <i>Vita Apollonii.</i>
Plin. <i>NH</i>	Pliny the Elder, <i>Naturalis Historia.</i>
Plut. <i>Sertorius.</i>	Plutarchus, <i>Sertorius.</i>
Polyb.	Polybius, <i>Histories.</i>
Ptol.	Ptolemy, <i>Geographica.</i>
Ravenn.	<i>Ravenna Cosmography.</i>
Serv. <i>A.</i>	Servius Honoratus, <i>Commentary on the Aeneid of Vergil.</i>
Str.	Strabo, <i>Geographica</i>
St. Byz.	Stephanus Byzantinus, <i>Ethnika.</i>
St. Isod. <i>Etym.</i>	Isidore of Sevilla, <i>Etymologiae.</i>
Suet. <i>Aug.</i>	Suetonius, <i>De Vita Caesarum, Augustus</i>

Ulp. <i>Dig.</i>	Ulpian, <i>Digest</i> .
Vicar.	<i>Vicarelló Goblets</i> .
Vitr. <i>De Arch.</i>	Vitruvius, <i>De Architectura</i> .
Lex Ursonensis	Among others: CIL II 5439, CIL II ² 5,1022 and AE 1998, 742
Lex Flavia Salpensa	Among others: CIL II 1963, ILS 6088 and AE 2001, 1205.
Lex Flavia Malacitana	Among others: CIL II 1964, ILS 6089 and Hep 11, 2001, 328ff.
Lex Flavia Irnitana	Among others: AE 1984, 454, AE 2006, 64 and Hep 15, 2006, 330.
AE	<i>L'Année Épigraphique</i> .
AespA	<i>Archivo Español de Arqueología</i> .
AFfE I	A. Rodríguez Colmenero, <i>Aquae Flaviae I. Fontes Epigráficas</i> , Chaves, 1987.
AFfE II	A. Rodríguez Colmenero, <i>Aquae Flaviae. II. Fontes Epigráficas</i> , Chaves, 1997.
AWMC	<i>Ancient World Mapping Centre</i> , http://awmc.unc.edu .
BAR	<i>British Archaeological Reports</i> .
CIDER	P. Piernavieja, <i>Corpus de inscripciones deportivas de la España romana</i> , Madrid, 1977.
CIL II	E. Hübner, <i>Corpus Inscriptionum Latinarum II. Inscriptiones Hispaniae Latinae</i> , Berlin, 1869; <i>Inscriptionum Hispaniae Latinarum Supplementum</i> , Berlin, 1892.
CIL II ₂ /14	<i>Corpus Inscriptionum Latinarum II: Inscriptiones Hispaniae Latinae, editio altera, pars XIV, fasciculus I. Pars meridionalis conventus Tarraconensis</i> , G. Alföldy – M. Clauss – M. Mayer, eds., Berlín – Nueva York, 1995.
CIL II ₂ /5	<i>Corpus Inscriptionum Latinarum II: Inscriptiones Hispaniae Latinae, editio altera, pars V. Conventus Astigitanus</i> , A.U. Stylow – R. Atencia Páez – J. González Fernández – C. González Román – M. Pastor Muñoz – P. Rodríguez Oliva, eds., Berlín – Nueva York, 1998.
CIL II ₂ /7	<i>Corpus Inscriptionum Latinarum II: Inscriptiones Hispaniae Latinae, editio altera, pars VII. Conventus Cordubensis</i> , A.U. Stylow, ed., Berlín – New York, 1995.
CILA	<i>Corpus de Inscripciones Latinas de Andalucía</i> .
CILCaceres	J. Esteban Ortega, <i>Corpus de inscripciones latinas de Cáceres</i> .
CNRS	Centre national de la recherche scientifique
CuPAUAM	<i>Cuadernos de Prehistoria y Arqueología de la Universidad Autónoma de Madrid</i> . Universidad Autónoma de Madrid (Madrid).
CUR90	Curchin (1990) <i>The local magistrates of Roman Spain</i> . Toronto, University of Toronto Press.

CRAI	<i>Comptes rendus des séances de l'Année.</i>
CSIC	Consejo Superior de Investigaciones Científicas
DARE	<i>Digital Atlas of the Roman Empire</i> , http://imperium.ahlfeldt.se/
DARMC	<i>Digital Atlas of Roman and Medieval Civilizations</i> , https://darmc.harvard.edu
Diz. Epigr.	De Ruggiero, <i>Dizionario Epigrafico di Antichità Romane</i> , Madrid 1953
DS	<i>Le Dictionnaire des Antiquités Grecques et Romaines de Daremberg et Saglio</i>
EE	<i>Ephemeris Epigraphica</i>
EJER	A. d'Ors, <i>Epigrafía jurídica de la España romana</i> , Madrid, 1953.
ERAsturias	F. Diego Santos, <i>Epigrafía romana de Asturias</i> , Oviedo, 1959.
ERAE	L. García Iglesias, <i>Epigrafía Romana de Augusta Emerita</i> , Madrid 1973
ERBC	A.M ^a . Canto, <i>Epigrafía Romana de la Beturia Céltica</i> (Col. de Estudios n ^o 54), Madrid, 1997.
ERItálica	A.M ^a . Canto, <i>La epigrafía romana de Itálica</i> (tesis doctoral 188/85. Edición facsímil, U.C.M.), Madrid, 1985.
ERPLe	M. A. Rabanal Alonso – S. M ^a García Martínez, <i>Epigrafía romana de la provincia de León: revisión y actualización</i> , León, 2001.
ERPSo	A. Jimeno, <i>Epigrafía romana de la provincia de Soria</i> , Soria, 1980.
ERTeruel	M. Navarro Caballero, <i>La epigrafía romana de Teruel</i> (Petrae Hispaniarum 1), Teruel, 1994.
FE	<i>Ficheiro Epigráfico</i> . Universidade de Coimbra, Coimbra.
HAE	<i>Hispania Antiqua Epigraphica</i> .
Hep	<i>Hispania Epigraphica</i> , http://www.eda-bea.es/ .
IAM	Instituto de Arqueología de Mérida.
IFC	Institución Fernando el Católico.
ILER	J. Vives, <i>Inscripciones latinas de la España romana</i> , Barcelona, 1971-1972.
ILS	<i>Inscriptiones Latinae Selectae</i> .
ILPG ^r	M. Pastor Muñoz & Á. Mendoza Eguaras, <i>Inscripciones latinas de la provincia de Granada</i> , Granada, 1987.
IPPAR	Instituto Português do Património Arquitectónico.
IRAL	R. Lázaro Pérez, <i>Inscripciones romanas de Almería</i> , Almería, 1980.
IRPCádiz	J. González, <i>Inscripciones Romanas de la Provincia de Cádiz</i> , Cádiz 1982.
IRC I	G. Fabre, M. Mayer & I. Rodà, <i>Inscriptions romaines de Catalogne I</i> , Barcelona (sauf Barcino). Paris, 1984.
IRC II	G. Fabre, M. Mayer & I. Rodà, <i>Inscriptions romaines de Catalogne. II, Leride</i> , París, 1985.
IRC III	G. Fabre, M. Mayer & I. Rodà, <i>Inscriptions romaines de Catalogne. III, Gérone</i> , París, 1991.

- IRC IV G. Fabre, M. Mayer & I. Rodà, *Inscriptions romaines de Catalogne. IV, Barcino*, París, 1997.
- IRC V G. Fabre, M. Mayer & I. Rodà, *Inscriptions romaines de Catalogne. V, Suppléments aux volumes I-IV et instrumentum inscriptum*, París, 2002.
- IRCP J. D'Encarnação, *Inscrições Romanas do Conventus Pacensis*, Coimbra 1984.
- IRG I F. Bouza Brey – A. D'Ors, *Inscripciones romanas de Galicia I. Santiago de Compostela*, Santiago, 1949.
- IRG I Sup A. del Castillo – A. D'Ors, *Inscripciones romanas de Galicia. Suplemento al fascículo I: provincia de La Coruña. Santiago de Compostela*, 1960. (CEG 14, 1959, 145-164).
- IRG II F. Vázquez Saco – M. Vázquez Seijas, *Inscripciones romanas de Galicia II, Provincia de Lugo*, Santiago, 1954.
- IRG III J. Filgueira Valverde – A. D'Ors, *Inscripciones romanas de Galicia III, Museo de Pontevedra*, Santiago, 1955.
- IRG IV J. Lorenzo Fernández – A. d'Ors – F. Bouza Brey, *Inscripciones romanas de Galicia IV Provincia de Orense*, Santiago, 1968.
- IRPA M.A. Rabanal & J.M. Abascal, «Inscripciones romanas de la provincia de Alicante», *Lucentum* 4, 1985, 191-244.
- IRPCádiz J. González, *Inscripciones romanas de la provincia de Cádiz*, Cádiz, 1982.
- IRPLé F. Diego Santos, *Inscripciones romanas de la provincia de León*, León, 1986.
- JRA *Journal of Roman Archaeology*.
- MLH *Monumenta Linguarum Hispaniarum*.
- MNAR Museo Nacional de Arte Romano.
- RAH La Real Academia de la Historia.
- RAP J.M. Garcia, *Religiões antigas de Portugal. Aditamentos e observações as «Religiões da Lusitânia» de J. Leite de Vasconcelos. Fontes epigráficas*, Lisboa, 1991.
- RE Pauly-Wissowa *Real-Encyclopädie der classischen Altertumswissenschaft*.
- RIT G. Alföldy, *Die römischen Inschriften von Tarraco*, Berlín, 1975.
- TIR J-29 *Tabula Imperii Romani: Lisboa, Emerita, Scallabis*.
- TIR J-30 *Tabula Imperii Romani: Valencia, Corduba, Hispalis*.
- TIR K/J-31 *Tabula Imperii Romani: Pyrénées Orientales, Baléares, Tarraco*.
- TIR K-29 *Tabula Imperii Romani: Porto, Conimbriga, Bracara Augusta*.
- TIR K-30 *Tabula Imperii Romani: Madrid, Caesaraugusta, Clunia*.
- VM A. Vives y Escudero, *La Moneda Hispánica*, Madrid.
- ZPE *Zeitschrift für Papyrologie und Epigraphik*.