



Universiteit
Leiden
The Netherlands

Not another book on Verb Raising

Dros, L.D.H.

Citation

Dros, L. D. H. (2018, February 7). *Not another book on Verb Raising*. LOT dissertation series. LOT, Utrecht. Retrieved from <https://hdl.handle.net/1887/60910>

Version: Not Applicable (or Unknown)

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

Downloaded from: <https://hdl.handle.net/1887/60910>

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

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/60910> holds various files of this Leiden University dissertation.

Author: Dros, L.D.H.

Title: Not another book on Verb Raising

Issue Date: 2018-02-07

APPENDIX A

Applying Hawkins' theory to the data

<hr/>					
1-2-3 (...dat)	iedereen moet ₁	kunnen ₂	zwemmen ₃		
	1	2		PCD _{VP1} : 2/2:	100 %
		1	2	PCD _{VP2} : 2/2:	100 %
			1	PCD _{VP3} : 1/1	100 %
	1	2	3	4	θ-roles S by V3: 2/4: 50.0%
	1	2			φ-agreement: 2/2: 100 %
		1	2	3	Relation V1-V3: 2/3: 66.7%
			1	2	Relation V2-V3: 2/2: 100 %
	<i>Unless percolation changes the θ-relations:</i>				
	1	2			θ-role S by V1: 2/2: 100 %
<hr/>					
1-3-2 (...dat)	iedereen moet ₁	zwemmen ₃	kunnen ₂		
	1	2	3	PCD _{VP1} : 2/3:	66.7%
		1	2	PCD _{VP2} : 2/2:	100 %
		1		PCD _{VP3} : 1/1	100 %
	1	2	3	θ-roles S by V3: 2/3:	66.7%
	1	2		φ-agreement: 2/2:	100 %
		1	2	Relation V1-V3: 2/2:	100 %
		1	2	Relation V2-V3: 2/2:	100 %
	<i>Unless percolation changes the θ-relations:</i>				
	1	2			θ-role S by V1: 2/2: 100 %
<hr/>					
2-1-3 (...dat)	iedereen kunnen ₂	moet ₁	zwemmen ₃		
	1	2		PCD _{VP1} : 2/2:	100 %
	1	2	3	PCD _{VP2} : 2/3:	66.7%
			1	PCD _{VP3} : 1/1	100 %

	1	2	3	4	θ -roles S by V3: 2/4: 50.0%
	1	2	3		φ -agreement: 2/3: 66.7%
			1	2	Relation V1-V3: 2/2: 100 %
		1	2	3	Relation V2-V3: 2/3: 66.7%
<i>Unless percolation changes the θ-relations:</i>					
	1	2			θ -role S by V2: 2/2: 100.0%
<hr/>					
2-3-1 (...dat)	iedereen	kunnen ₂	zwemmen ₃	moet ₁	
		1	2	3	PCD _{VP1} : 2/3: 66.7%
		1	2		PCD _{VP2} : 2/2: 100 %
			1		PCD _{VP3} : 1/1 100 %
	1	2	3		θ -roles S by V3: 2/3: 66.7%
	1	2	3	4	φ -agreement: 2/4: 50.0%
			1	2	Relation V1-V3: 2/2: 100 %
		1	2		Relation V2-V3: 2/2: 100 %
<i>Unless percolation changes the θ-relations:</i>					
	1	2			θ -role S by V2: 2/2: 100.0%
<hr/>					
3-1-2 (...dat)	iedereen	zwemmen ₃	moet ₁	kunnen ₂	
			1	2	PCD _{VP1} : 2/2: 100 %
		1	2	3	PCD _{VP1} : 2/3: 66.7%
	1	1			PCD _{VP3} : 1/1 100 %
	1	2			θ -roles S by V3: 2/2: 100 %
	1	2	3		φ -agreement: 2/3: 66.7%
		1	2		Relation V1-V3: 2/2: 100 %
		1	2	3	Relation V2-V3: 2/3: 66.7%
<hr/>					
3-2-1 (...dat)	iedereen	zwemmen ₃	kunnen ₂	moet ₁	
			1	2	PCD _{VP1} : 2/2: 100 %
		1	2		PCD _{VP2} : 2/2: 100 %
		1			PCD _{VP3} : 1/1 100 %
	1	2			θ -roles S by V3: 2/2: 100 %
	1	2	3	4	φ -agreement: 2/4: 50.0%
		1	2	3	Relation V1-V3: 2/3: 66.7%
		1	2		Relation V2-V3: 2/2: 100 %
<hr/>					
<hr/>					
1-2-3 (...dat)	S O ADV	moet ₁	hebben ₂	gemaakt ₃	
		1	2		PCD _{VP1} : 2/2: 100 %
			1	2	PCD _{VP2} : 2/2: 100 %
				1	PCD _{VP3} : 1/1 100 %
	1 2 3	4	5	6	θ -roles s&o by V3: 3/6: 50 %
	1 2 3	4			φ -agreement: 2/4: 50 %
		1	2		Relation V1-V2: 2/2: 100 %
			1	2	Relation V2-V3: 2/2: 100 %
	1	2	3	4	Relation ADV-V3: 2/4: 50 %
<i>Unless percolation changes the θ-relations:</i>					
	1 2 3	4			θ -roles s&o by V1: 3/4: 75 %

1-3-2 (...dat) S O ADV moet ₁		gemaakt ₃ hebben ₂			
	1	2	3	PCD _{VP1} : 2/3:	66.7%
		1	2	PCD _{VP2} : 2/2:	100 %
		1		PCD _{VP3} : 1/1	100 %
1 2 3	4	5		θ-roles s&o by V3: 3/5:	60 %
1 2 3	4			φ-agreement: 2/4:	50 %
	1	2	3	Relation V1-V2: 2/3:	66.7%
		1	2	Relation V2-V3: 2/2:	100 %
	1	2	3	Relation ADV-V3: 2/3:	66.7%
<i>Unless percolation changes the θ-relations:</i>					
	1 2 3	4		θ-roles s&o by V1: 3/4:	75 %
2-3-1 (...dat) S O ADV hebben ₂		moet ₁ gemaakt ₃			
	1	2		PCD _{VP1} : 2/2:	100 %
	1	2	3	PCD _{VP2} : 2/3:	66.7%
			1	PCD _{VP3} : 1/1	100 %
1 2 3	4	5	6	θ-roles s&o by V3: 3/6:	50 %
1 2 3	4	5		φ-agreement: 2/5:	40 %
	1	2		Relation V1-V2: 2/2:	100 %
	1	2	3	Relation V2-V3: 2/3:	66.7%
	1	2	3	Relation ADV-V3: 2/4:	50 %
2-3-1 (...dat) S O ADV hebben ₂		gemaakt ₃ moet ₁			
	1	2	3	PCD _{VP1} : 2/3:	66.7%
	1	2		PCD _{VP2} : 2/2:	100 %
		1		PCD _{VP3} : 1/1	100 %
1 2 3	4	5		θ-roles s&o by V3: 3/5:	60 %
1 2 3	4	5	6	φ-agreement: 2/6:	33.3%
	1	2	3	Relation V1-V2: 2/3:	66.7%
	1	2		Relation V2-V3: 2/2:	100 %
	1	2	3	Relation ADV-V3: 2/3:	66.7%
<i>Unless percolation changes the θ-relations:</i>					
	1 2 3	4		θ-roles s&o by V2: 3/4:	75 %
3-1-2 (...dat) S O ADV gemaakt ₃		moet ₁ hebben ₂			
		1	2	PCD _{VP1} : 2/2:	100 %
	1	2	3	PCD _{VP1} : 2/3:	66.7%
	1			PCD _{VP3} : 1/1	100 %
1 2 3	4			θ-roles s&o by V3: 3/4:	75 %
1 2 3	4	5		φ-agreement: 2/5:	40 %
		1	2	Relation V1-V2: 2/2:	100 %
	1	2	3	Relation V2-V3: 2/3:	66.7%
	1	2		Relation ADV-V3: 2/2:	100 %
3-2-1 (...dat) S O ADV gemaakt ₃		hebben ₂ moet ₁			
		1	2	PCD _{VP1} : 2/2:	100 %
	1	2		PCD _{VP2} : 2/2:	100 %
	1			PCD _{VP3} : 1/1	100 %
1 2 3	4			θ-roles s&o by V3: 3/4:	75.0%
1 2 3	4	5	6	φ-agreement: 2/6:	33.3%
		1	2	Relation V1-V2: 2/2:	100 %

	1	2	Relation V2-V3: 2/2: 100 %
1	2		Relation ADV-V3: 2/2: 100 %

APPENDIX B

Search using PaQu

Since the hierarchic orders are presumably the same for different verb orders, this search was crucially based on linear orders, rather than hierarchic orders. Furthermore, in order to exclude sentences in which the finite verb occupies the verb second position, the search was restricted to embedded clauses. This has the advantage that most results are syntactically similar with the test sentences.

An example of a search through Lassy Groot using XPath involves three verbs that are in the same embedded clause and where the finite modal verb is immediately followed by an infinite modal verb, which is immediately followed by an infinite non-auxiliary verb is depicted in (151).

```
(151) //node[@pos="verb" and @wvorm="pv" and (@lemma="kunnen" or
@lemma="moeten" or @lemma="hoeven" or @lemma="mogen" or
@lemma="willen") and (some $x in ancestor::node[@cat="ssub"]
satisfies (some $y in $x//node[@pos="verb" and @wvorm="inf" and
(@lemma="kunnen" or @lemma="moeten" or @lemma="hoeven" or
@lemma="mogen" or @lemma="willen") ], $z in
$x//node[@pos="verb" and @wvorm="inf" and not(@lemma="kunnen"
or @lemma="moeten" or @lemma="hoeven" or @lemma="mogen" or
@lemma="willen" or @lemma="zullen" or @lemma="laten" or
@lemma="doen" or @lemma="hebben" or @lemma="zijn" or
@lemma="worden" or @lemma="blijven" or @lemma="gaan" or
@lemma="komen" or @lemma="zien" or @lemma="staan" or
@lemma="zitten" or @lemma="durven" or @lemma="beginnen" or
@lemma="leren")]) satisfies $y/number(@begin)=number(@end) and
$z/number(@begin)=$y/number(@end) )]]
```

Since this search involves linear orders, I got some false results, for instance because the sentence included verb clusters across different phrases and there should be a

comma to separate the verbs. For that reason, I manually checked results fewer than 25 sentences.

APPENDIX C

Acceptability judgements on adverbs inside the verb cluster

The informants were asked to rate the following sentences on a five-point scale, where the lowest score indicates a sentence that sounds bad and the highest score indicates a sentence that sounds good.

- (152)
- a. Jan weet dat hij vrijdag moet helaas werken.
Jan knows that he Friday must unfortunately work
'Jan knows that he unfortunately has to work on Friday.'
 - b. Jan weet dat hij morgen moet zeker werken.
Jan knows that he tomorrow must definitely work
'Jan knows that he definitely has to work tomorrow.'
 - c. Moeder zegt dat haar favoriete team moet straks winnen.
Mother says that her favorite team must later win
'Mother says here favorite team has to win later.'
 - d. De baas zegt dat Jan moet misschien werken.
The boss says that Jan must maybe work
'The boss says that Jan maybe has to work.'
 - e. Ik weet dat iedereen moet onvermijdelijk werken.
I know that everyone must necessarily work
'I know that everyone necessarily has to work.'
 - f. De baas waarschuwt dat iedereen moet mogelijk werken.
The boss warns that everyone must possibly work
'The boss warns that everyone possibly has to work.'
 - g. Ik weet dat iedereen moet gewoonlijk werken.
I know that everyone must usually work
'I know that everyone usually has to work.'

- h. Ik weet dat Jan moet nog steeds werken.
I know that Jan must yet still work
'I know that Jan still has to work.'
- i. Ik weet dat Jan moet altijd werken.
I know that Jan must always work
'I know that Jan always has to work.'
- j. Ik weet dat Jan moet bijna werken.
I know that Jan must almost work
'I know that Jan almost has to work.'
- k. Ik weet dat Jan moet verplicht werken.
I know that Jan must voluntarily work
'I know that Jan has to work voluntarily.'
- l. Ik vind dat Jan de brief moet volledig typen.
I think that Jan the letter must completely type
'I think that Jan completely has to type the letter.'
- m. Om dit probleem op te lossen weet ik dat Jan wel moet wijs
handelen.
act
For this problem up to solve, know I that Jan *AFF* must wisely
'In order to solve this problem, I know that Jan has to act wisely.'
- n. Jan wil niemand storen. Hij weet dat hij daarom moet zacht
praten.
talk
Jan want nobody disturb. He know that he therefore must quietly
'Jan does not want to disturb anyone. He knows that he will have to talk
quietly.'

Bibliography

- ABELS, KLAUS, 2011. Hierarchy-order relations in the Germanic verb cluster and in the noun phrase. *Groninger Arbeiten zur Germanistischen Linguistik* 53 (2), pp. 1–28.
- , 2016. The fundamental left–right asymmetry in the Germanic verb cluster. *The Journal of Comparative Germanic Linguistics* 19 (3), pp. 179–220.
- ABELS, KLAUS and AD NEELEMAN, 2012. Linear asymmetries and the LCA. *Syntax* 15 (1), pp. 25–74.
- ALTMANN, GERRY and MARK STEEDMAN, 1988. Interaction with context during human sentence processing. *Cognition* 30 (3), pp. 191–238.
- ANAGNOSTOPOULOU, ELENA, 2003. Participles and voice. *Perfect explorations* pp. 1–36.
- ARFS, MONA, 2007. *Rood of groen? De interne woordvolgorde in tweeledige werkwoordelijke eindgroepen met een voltooid deelwoord en een hulpwerkwoord in bijzinnen*. Ph.D. thesis, Göteborg University.
- AUGUSTINUS, LIESBETH, 2015. *Complement Raising and Cluster Formation in Dutch. A Treebank-supported Investigation*. Ph.D. thesis, KU Leuven.
- BACH, EMMON, COLIN BROWN, and WILLIAM MARSLEN-WILSON, 1986. Crossed and nested dependencies in German and Dutch: A psycholinguistic study. *Language and Cognitive Processes* 1 (4), pp. 249–262.
- BADER, MARKUS and TANJA SCHMID, 2009. Verb clusters in colloquial German. *The Journal of Comparative Germanic Linguistics* 12 (3), pp. 175–228.
- BADER, MARKUS, TANJA SCHMID, and JANA HÄUSSLER, 2009. Optionality in verb-cluster formation. *The fruits of empirical linguistics* 2, pp. 37–58.
- BAKER, MARK, KYLE JOHNSON, and IAN ROBERTS, 1989. Passive arguments raised. *Linguistic inquiry* 20 (2), pp. 219–251.
- BARBIERS, SJEFF, 1995. *The syntax of interpretation*. Ph.D. thesis, Leiden University.

- , 2002. Review of Verbal Complexes. (Current studies in linguistics series; 34) by Hilda Koopman, Anna Szabolcsi. *Journal of Comparative Germanic Linguistics* 6 (1), pp. 53–79.
- , 2005. Word order variation in three-verb clusters and the division of labour between generative linguistics and sociolinguistics. In: Leonie Cornips and Karen Corrigan (eds.), *Syntax and Variation. Reconciling the Biological and the Social, Current Issues in Linguistic Theory*, volume 265, pp. 233–264. John Benjamins Publishing Company.
- , 2008a. Microvariation in syntactic doubling. an introduction. In: Sjeff Barbiers, Olaf Koenenman, Marika Lekakou, and Margreet van der Ham (eds.), *Microvariation in syntactic doubling, Syntax and semantics*, volume 36, pp. 1–34. Bingley: Emerald.
- , 2008b. Werkwoordclusters en de grammatica van de rechterperiferie. *Nederlandse Taalkunde* 13 (2), pp. 160–197.
- , 2009. Locus and limits of syntactic microvariation. *Lingua* 119 (11), pp. 1607–1623.
- , 2014. Syntactic doubling and deletion as a source of variation. In: M. Carme Picallo (ed.), *Linguistic variation in the Minimalist framework*, pp. 197–223. Oxford University Press.
- , 2015. Restructuring bridges. Manuscript, Meertens Instituut and Utrecht University.
- , 2017. Adverbs in strange places. on the syntax of adverbs in dutch. Manuscript, Leiden University.
- BARBIERS, SJEFF, JOHAN VAN DER AUWERA, HANS BENNIS, EEFJE BOEF, GUNTHER DE VOGELAER, and MARGREET H. VAN DER HAM., 2006. Dynamic syntactic atlas of the Dutch dialects (DynaSAND). <http://www.meertens.knaw.nl/sand/> .
- , 2008. *Syntactische Atlas van de Nederlandse Dialecten Deel II / Syntactic Atlas of the Dutch Dialects Volume II [SAND-II]*. Amsterdam University Press.
- BARBIERS, SJEFF and HANS BENNIS, 2010. De plaats van het werkwoord in zuid en noord. *Voor Magda. Artikelen voor Magda Devos bij haar afscheid van de Universiteit Gent* pp. 25–42.
- BARBIERS, SJEFF, HANS BENNIS, GUNTHER DE VOGELAER, MAGDA DEVOS, and MARGREET H VAN DER HAM, 2005. *Syntactische Atlas van de Nederlandse Dialecten Deel I / Syntactic Atlas of the Dutch Dialects Volume I [SAND-I]*. Amsterdam University Press.
- BARBIERS, SJEFF, HANS BENNIS, and LOTTE DROS-HENDRIKS, 2017. John's car repaired: Variation in the position of past participles in the verbal cluster in Dutch. In: Martijn Wieling, Martin Kroon, and Gertjan van Noord (eds.), *From semantics to dialectometry. Festschrift in honour of John Nerbonne, Tributes*, volume 32, pp. 23–31. College Publications.

- BARBIERS, SJEFF, HANS BENNIS, and LOTTE D.H. DROS-HENDRIKS, forthcoming. Merging verb cluster variation. *Linguistic variation* .
- BARBIERS, SJEFF, MARJO VAN KOPPEN, HANS BENNIS, and NORBERT CORVER, 2016. Microcomparative Morphosyntactic REsearch (MIMORE): Mapping partial grammars of Flemish, Brabantish and Dutch. *Lingua* 178, pp. 5–31.
- BENNIS, HANS, 1979. Appositie en de interne structuur van de np. *Spektator* 8, pp. 209–228.
- , 1990. Ti: a note on *modal passives*. In: Joan Mascaró and Marina Nespor (eds.), *Grammar in Progress*, pp. 33–40. Foris Publications.
- , 1991. Theoretische aspecten van partikelvooropplaatsing ii. *TABU* 21.
- , 1992. Long head movement: The position of particles in the verbal cluster in Dutch. In: Reineke Bok-Bennema and Roeland van Hout (eds.), *Linguistics in the Netherlands*, volume 9, pp. 37–47. John Benjamins Publishing Company.
- BENNIS, HANS and TEUN HOEKSTRA, 1989. Why Kaatje was not heard sing a song. In: Yves Putseys Dany Iaspers, Wim Klooster (ed.), *Sentential Complementation and the Lexicon: Studies in Honour of Wim de Geest*, volume 8, pp. 21–40. Foris Publications.
- BENNIS, HANS and PIM WEHRMANN, 1990. On the categorial status of present participles. In: Reineke Bok-Bennema and Peter Coopmans (eds.), *Linguistics in the Netherlands*, volume 7, pp. 1–11. Foris Publications.
- DEN BESTEN, HANS, 1985. The ergative hypothesis and free word order in Dutch and German. *Studies in German grammar* 21, pp. 23–64.
- DEN BESTEN, HANS and HANS BROEKHUIS, 1989. Woordvolgorde in de werkwoordelijke eindreeks. In: *GLoT*, volume 12, pp. 79–137. Universiteit van Amsterdam, Instituut voor Algemene Taalwetenschap.
- , 1992. Verb projection raising in het Nederlands. *Spektator* 21, pp. 21–34.
- DEN BESTEN, HANS and JEROLD A. EDMONDSON, 1983. The verbal complex in continental West Germanic. In: Werner Abraham (ed.), *On the formal syntax of the Westgermania. Papers from the 3rd Groningen Grammar Talks, Linguistik Aktuell/Linguistics Today*, volume 3, pp. 155–216. John Benjamins Publishing Company.
- BIBERAUER, THERESA and MARC RICHARDS, 2006. True optionality: When the grammar doesn't mind. In: Cedric Boeckx (ed.), *Minimalist essays, Linguistik Aktuell/Linguistics Today*, volume 91, pp. 35–67. John Benjamins Publishing.
- BLOEM, JELKE, ARJEN VERSLOOT, and FRED WEERMAN, 2017. Verbal cluster order and linguistic processing complexity. *Language Sciences* 60, pp. 94–119.

- BLOEM, JELKE, ARJEN VERSLOOT, FRED WEERMAN, ET AL., 2014. Applying automatically parsed corpora to the study of language variation. In: Jan Hajic and Junichi Tsujii (eds.), *Proceedings of COLING 2014, the 25th International Conference on Computational Linguistics: Technical Papers*. Dublin City University and Association for Computational Linguistics, pp. 1974–1984. Association for Computational Linguistics.
- BLOM, CORRIEN, 2005. *Complex predicates in Dutch: Synchrony and diachrony*. LOT Utrecht.
- BOOIJ, GEERT EVERT, 2002. Constructional idioms, morphology, and the Dutch lexicon. *Journal of Germanic linguistics* 14 (04), pp. 301–329.
- BOUMA, GOSSE, 2003. Verb clusters and the scope of adjuncts in Dutch. In: Pieter A.M. Seuren and Gerard Kempen (eds.), *Verb constructions in German and Dutch, Current Issues in Linguistic Theory*, volume 242, pp. 5–42. John Benjamins Publishing Company.
- BRANDNER, ELLEN, MARTIN SALZMANN, and GERHARD SCHADEN, 2015. zur Syntax und Semantik des doppelten Perfekts aus alemannischer sicht. In: Alexandra N. Lenz and Frans Patock (eds.), *Syntaktische Variation: Areallinguistische Perspektiven*, pp. 13–46. Vandenhoeck & Ruprecht.
- BRESNAN, JOAN W., 1982. The passive in lexical theory. In: *The mental representation of grammatical relations*, pp. 3–86. Cambridge: MIT Press.
- BRILL, WILLEM GERARD (ed.), 1885. *Rijmkroniek van Melis Stoke*. Kemink. Nieuwe Serie No. 40 en 42. Book 3, verses 286–287.
- BROEKHUIS, HANS and NORBERT CORVER, 2016. *Syntax of Dutch: Verbs and Verb Phrases*, volume 3. Amsterdam University Press.
- CHAMBERS, JACK K. and PETER TRUDGILL, 1998. *Dialectology, second edition*. Cambridge University Press.
- CHOMSKY, NOAM, 1974. The Amherst lectures. Lectures given at the 1974 Linguistic Institute, University of Massachusetts.
- , 1993. A minimalist program for linguistic theory. In: Kenneth Hale and Samuel Keyser (eds.) (eds.), *The view from building 20: essays in linguistics in honor of Sylvain Bromberger*. Cambridge: MIT Press.
- , 1995. *The minimalist program*. Cambridge: MIT Press.
- , 2000. Minimalist inquiries: The framework. In: Roger Martin, David Michaels, and Juan Uriagereka (eds.), *Step by step: Essays on minimalist syntax in honor of Howard Lasnik*, pp. 89–155. Cambridge: MIT Press.
- , 2001. Derivation by phase. In: Michael Kenstowicz (ed.), *Ken Hale: A life in language*, Current Studies in Linguistics, pp. 1–52. Cambridge: MIT Press.
- , 2005. Three factors in language design. *Linguistic Inquiry* 36 (1), pp. 1–22.

- , 2007. Approaching UG from below. In: Uli Sauerland and Hans-Martin Gärtner (eds.), *Interfaces+ recursion= language? Chomsky's minimalism and the view from semantics*, pp. 1–29. Mouton de Gruyter.
- , 2008. On phases. In: Carlos P. Otero Robert Freidin and Maria L. Zubizarreta (eds.), *Foundational Issues in Linguistic Theory Essays in Honor of Jean-Roger Vergnaud*, pp. 133–166. Cambridge: MIT Press.
- CINQUE, GUGLIELMO, 1999. *Adverbs and functional heads: A cross-linguistic perspective*. Oxford University Press.
- , 2005. Deriving Greenberg's Universal 20 and its exceptions. *Linguistic Inquiry* 36 (3), pp. 315–332.
- , 2006. *Restructuring and functional heads. The Cartography of Syntactic Structures*, volume 4. Oxford University Press.
- COMRIE, BERNARD, 1989. *Language universals and linguistic typology: Syntax and morphology*. University of Chicago Press.
- COPPEN, PETER-ARNO and MAARTEN KLEIN, 1992. Het einde van verb raising. In: Maarten Klein (ed.), *Nieuwe Eskapades in de Neerlandistiek: Opstellen van vrienden voor M.C. van der Toorn bij zijn afscheid als hoogleraar Nederlandse Taalkunde aan de Katholieke Universiteit Nijmegen*, pp. 32–46. Wolters-Noordhoff.
- CORVER, NORBERT, 2017. Freezing effects. In: Martin Everaert and Henk van Riemsdijk (eds.), *The Wiley Blackwell companion to syntax*. Wiley-Blackwell, 2nd edition.
- COUPÉ, GRIET, 2007. Cluster, interrupted. Dialect variation and standardisation in Early Modern Dutch. Paper presented at the 18th International Conference on Historical Linguistics, 11 August, Université du Québec à Montréal.
- COUSSÉ, EVIE, 2002. *De plaats van werkwoorden in Hollandse teksten door de eeuwen heen*. Master's thesis, University Gent.
- , 2003. Volgordevariatie en herinterpretatie in de tweeledige werkwoordelijke eindgroep in de bijzin. *Taal en tongval* 55, pp. 138–156.
- COUSSÉ, EVIE, 2008. *Motivaties voor volgordevariatie. Een diachrone studie van werkwoordvolgorde in het Nederlands..* Ph.D. thesis, Ghent University.
- COUSSÉ, EVIE, MONA ARFS, and GERT DE SUTTER, 2008. Variabele werkwoordsvolgorde in de Nederlandse werkwoordelijke eindgroep: een taalgebruiksgebaseerd perspectief op de synchronie en diachronie van de zgn. rode en groene woordvolgorde. *Taal aan den lijve: het gebruik van corpora in taalkundig onderzoek en taalonderwijs* pp. 29–47.
- VAN CRAENENBROECK, JEROEN, 2017. A quantitative analysis of syntactic microvariation: Word order in Dutch verb clusters. Manuscript, KU Leuven.
- CROFT, WILLIAM, 2003. *Typology and universals*. Cambridge University Press, 2 edition.

- CULICOVER, PETER W, 2014. Constructions, complexity and word order variation. In: Frederick J. Newmeyer and Laurel B. Preston (eds.), *Measuring grammatical complexity*, pp. 148–178. Oxford University Press.
- DEVOS, MAGDA and REINHILD VANDEKERCKHOVE, 2005. *West-Vlaams*. Taal in stad en land. Lannoo Uitgeverij.
- DEN DIKKEN, MARCEL, 1994. Minimalist verb (projection) raising. *Groninger Arbeiten zur germanistischen Linguistik* 37, pp. 71–88.
- , 1995a. *Particles: On the syntax of verb-particle, triadic, and causative constructions*. Oxford University Press.
- , 1995b. Verb (projection) raising, scope, and uniform phrase structure. In: *Proceedings of the North Eastern Linguistics Society annual meeting*, volume 25, pp. 95–110.
- , 1996. The minimal links of verb (projection) raising. In: Werner Abraham, Samuel David Epstein, Höskuldur Trhánsson, and Jan-Wouter Zwart (eds.), *Minimal Ideas: Syntactic Studies in the Minimalist Framework*, *Linguistik Aktuell/Linguistics Today*, volume 12, pp. 67–96. John Benjamins Publishing Company.
- DING, NAI, LUCIA MELLONI, HANG ZHANG, XING TIAN, and DAVID POEPPPEL, 2016. Cortical tracking of hierarchical linguistic structures in connected speech. *Nature neuroscience* 19 (1), pp. 158–164.
- DUBENION-SMITH, SHANNON A, 2010. Verbal complex phenomena in West Central German: Empirical domain and multi-causal account. *Journal of Germanic Linguistics* 22 (02), pp. 99–191.
- EMBICK, DAVID, 2004. On the structure of resultative participles in english. *Linguistic Inquiry* 35 (3), pp. 355–392.
- ERNST, THOMAS, 2001. *The syntax of adjuncts*, volume 96. Cambridge University Press.
- EVERS, ARNOLD, 1975. *The transformational cycle in Dutch and German*. Ph.D. thesis, Utrecht University.
- , 2003. Verbal clusters and cluster creepers. In: Pieter A.M. Seuren and Gerard Kempen (eds.), *Verb constructions in German and Dutch, Current Issues in Linguistic Theory*, volume 242, pp. 43–89. John Benjamins Publishing Company.
- , 2008. Vraag aan de westgermaanse dialectvergelijking. *Nederlandse Taalkunde* 13 (2), pp. 188–192.
- FARKAS, DONKA and HENRIETTE DE SWART, 2003. The semantics of incorporation. In: *Stanford Monographs in Linguistics*. CSLI Publications.
- GIBSON, EDWARD, 1998. Linguistic complexity: Locality of syntactic dependencies. *Cognition* 68 (1), pp. 1–76.

- , 2000. The dependency locality theory: A distance-based theory of linguistic complexity. In: Alec Marantz, Yasushi Miyashita, and Wayne O'Neil (eds.), *Image, language, brain: Papers from the first mind articulation project symposium*, pp. 95–126. MIT Press.
- GIBSON, EDWARD and TESSA WARREN, 1998. Discourse reference and syntactic complexity. Manuscript, MIT, Cambridge.
- GRIMSHAW, JANE, 1990. *Argument structure*. the MIT Press.
- GRODNER, DANIEL and EDWARD GIBSON, 2005. Consequences of the serial nature of linguistic input for sentential complexity. *Cognitive science* 29 (2), pp. 261–290.
- HAEGEMAN, LILIANE, 1992. *Theory and description in generative syntax: A case study in West Flemish*. Cambridge University Press.
- HAEGEMAN, LILIANE and HENK VAN RIEMSDIJK, 1986. Verb projection raising, scope, and the typology of rules affecting verbs. *Linguistic inquiry* 17, pp. 417–466.
- HAIDER, HUBERT, 2003. V-clustering and clause union. In: Pieter A.M. Seuren and Gerard Kempen (eds.), *Verb constructions in German and Dutch., Current Issues in Linguistic Theory*, volume 242, pp. 91–126. John Benjamins Publishing Company.
- HALE, JOHN, 2001. A probabilistic earley parser as a psycholinguistic model. In: *Proceedings of the second meeting of the North American Chapter of the Association for Computational Linguistics on Language technologies*, pp. 1–8. Association for Computational Linguistics.
- HASPELMATH, MARTIN, 2008. Parametric versus functional explanations of syntactic universals. In: Theresa Biberauer (ed.), *The limits of syntactic variation, Linguistik Aktuell/Linguistics Today*, volume 132, pp. 75–107. John Benjamins Publishing Company.
- HAUSER, MARC D., NOAM CHOMSKY, and W. TECUMSEH FITCH, 2002. The faculty of language: What is it, who has it, and how did it evolve? *Science* 298 (5598), pp. 1569–1579.
- HAWKINS, JOHN A, 1994. *A performance theory of order and constituency*. Cambridge University Press.
- , 2004. *Efficiency and complexity in grammars*. Oxford University Press.
- , 2014. *Cross-linguistic Variation and Efficiency*. Oxford University Press.
- HINTERHÖLZL, ROLAND, 2006. *Scrambling, remnant movement, and restructuring in West Germanic*. Oxford University Press.
- HOEKSEMA, JACOB, 1993. Suppression of a word-order pattern in Westgermanic. In: Jaap van Marle (ed.), *Historical linguistics 1991. Papers from the 10th international conference on historical linguistics, Current Issues in Linguistic Theory*, volume 107, pp. 153–174. John Benjamins Publishing Company.

- , 1994. The history of Dutch verb projection raising. Unpublished paper.
- HOEKSTRA, ERIC, 2007. On Koopman's Generalisation: remarks on verb clusters in Old Frisian and Old English. In: Carole Post van der Linde, Lars van Wezel, and Annelies Roeleveld (eds.), *Twai tiggus jeer: Jubileumnummer van het mededelingenblad van de Vereniging van Oudgermanisten uitgegeven ter gelegenheid van het twintigjarig bestaan van de vereniging*, pp. 139–151. Vereniging van Oudgermanisten.
- HOEKSTRA, TEUN, MONIC LANSU, and MARION WESTERDUIN, 1987. Complexe verba. *GLoT* 10, pp. 661–710.
- DE HOOP, HELEN, 1996. *Case configuration and noun phrase interpretation*. Routledge.
- JACKENDOFF, RAY, 1972. *Semantic interpretation in generative grammar.*, *Current studies in Linguistics*, volume 2. Cambridge: MIT Press.
- JAEGER, FLORIAN, EVELINA FEDORENKO, and EDWARD GIBSON, 2005. Dissociation between production and comprehension complexity. Poster Presented at the 18th CUNY Sentence Processing Conference, University of Arizona.
- JOSHI, ARAVIND K., 1990. Processing crossed and nested dependencies: An automation perspective on the psycholinguistic results. *Language and Cognitive processes* 5 (1), pp. 1–27.
- KAYNE, RICHARD S, 1993. Toward a modular theory of auxiliary selection. *Studia linguistica* 47 (1), pp. 3–31.
- KAYNE, RICHARD S., 1994. *The antisymmetry of syntax*. Cambridge: MIT Press.
- KAYNE, RICHARD S, 2000. *Parameters and universals*. Oxford University Press.
- , 2005. Some notes on comparative syntax, with special reference to English and French. In: Guglielmo Cinque and Richard S. Kayne (eds.), *The Oxford Handbook of Comparative Syntax*, chapter 1. Oxford University Press.
- KEENAN, EDWARD L. and BERNARD COMRIE, 1977. Noun phrase accessibility and universal grammar. *Linguistic inquiry* 8, pp. 63–99.
- KEINE, STEFAN and RAJESH BHATT, 2016. Interpreting verb clusters. *Natural Language & Linguistic Theory* 34 (4), pp. 1445–1492.
- KITAHARA, HISATSUGU, 1992. Checking theory and scope interpretation without quantifier raising. *Harvard working papers in linguistics* 1, pp. 51–71.
- KOELMANS, LEENDERT, 1965. Iets over de woordvolgorde bij samengestelde predikaten in het Nederlands. *Nieuwe Taalgids* 58, pp. 156–165.
- KOENEMAN, OLAF, MARIKA LEKAKOU, and SJEF BARBIERS, 2011. Perfect doubling. *Linguistic Variation* 11 (1), pp. 35–75.
- KONIECZNY, LARS, 2000. Locality and parsing complexity. *Journal of Psycholinguistic Research* 29 (6), pp. 627–645.

- KOOPMAN, HILDA and ANNA SZABOLCSI, 2000. *Verbal Complexes*. Cambridge: MIT Press.
- KOOPMAN, HILDA JUDITH, 1984. *The syntax of verbs: From verb movement rules in the Kru languages to Universal Grammar*. Foris Publications.
- KOSTER, JAN, 1975. Dutch as an sov language. *Linguistic analysis* 1 (2), pp. 111–136.
- , 1994. Predicate incorporation and the word order of Dutch. In: Guglielmo Cinque, Jean-Yves Pollock, Luigi Rizzi, and Rafaella Zanuttini (eds.), *Paths towards Universal Grammar: studies in honor of Richard Kayne*. Georgetown University Press.
- KRAAK, ALBERT and WILLEM G. KLOOSTER, 1968. *Syntaxis*. Culemborg / Keulen: Stam-Kemperman.
- KRATZER, ANGELIKA, 1994. The event argument and the structure of verbs. Ms. University of Massachusetts, Amherst.
- , 2000. Building statives. In: Lisa J. Conathan, Jeff Good, Darya Kavitskaya, Alyssa B. Wulf, and Alan C. L. Yu (eds.), *Proceedings of the twenty-sixth annual meeting of the Berkeley Linguistics Society: General session and parasession on aspect*, pp. 385–399. Berkeley Linguistics Society.
- LECHNER, WINFRIED, 2007. An interpretive effect of head movement, version 2.0. Manuscript, Universität Tübingen.
- LENNEBERG, ERIC H, 1964. The capacity for language acquisition. In: Jerry A Fodor and Jerrold J Katz (eds.), *The structure of language: Readings in the philosophy of language*, pp. 579–603. Prentice-Hall.
- LEVY, ROGER, 2008. Expectation-based syntactic comprehension. *Cognition* 106 (3), pp. 1126–1177.
- LIEBER, ROCHELLE, 1980. *On the organization of the lexicon*. Ph.D. thesis, Massachusetts Institute of Technology.
- LÖTSCHER, ANDREAS, 1978. Zur verbstellung im zürichdeutschen und in anderen varianten des deutschen. *Zeitschrift für Dialektologie und Linguistik* pp. 1–29.
- MACDONALD, MARYELLEN C., NEAL J. PEARLMUTTER, and MARK S. SEIDENBERG, 1994. The lexical nature of syntactic ambiguity resolution. *Psychological review* 101 (4), pp. 676–703.
- MARANTZ, ALEC, 2005. Generative linguistics within the cognitive neuroscience of language. *The Linguistic Review* 22, pp. 429–445.
- MATUSHANSKY, ORA, 2006. Head movement in linguistic theory. *Linguistic inquiry* 37 (1), pp. 69–109.
- VAN DER MEER, GEART, 1990. On the position of Old Frisian verbs and pronouns. In: Rolf Bremmer, Geert van der Meer, and Oebele Vries (eds.), *Aspects of Old Frisian philology*. Editions Rodopi.

- MILLER, GEORGE A. and NOAM CHOMSKY, 1963. Finitary models of language users. In: Robert Duncan Luce, Robert R. Bush, and Eugene Galanter (eds.), *Handbook of mathematical psychology*, volume 2. John Wiley & Sons.
- MITHUN, MARIANNE, 1984. The evolution of noun incorporation. *Language* 60, pp. 847–894.
- MÜLLER, GEREON, 2017. Structure removal: An argument for feature-driven Merge. *Glossa: a journal of general linguistics* 2 (1:28), pp. 1–35.
- NEELEMAN, AD, 1994. *Complex predicates*. Ph.D. thesis, Utrecht University (OTS).
- NEELEMAN, AD and FRED WEERMAN, 1993. The balance between syntax and morphology: Dutch particles and resultatives. *Natural Language & Linguistic Theory* 11 (3), pp. 433–475.
- NEWMAYER, FREDERICK J, 2005. *Possible and probable languages: A generative perspective on linguistic typology*. Oxford University Press.
- VAN NOORD, GERTJAN and GOSSE BOUMA, 1994. Adjuncts and the processing of lexical rules. In: *Proceedings of the 15th International Conference on Computational Linguistics*, pp. 250–256.
- PAUWELS, ANITA, 1953. *De plaats van het hulpwerkwoord, verleden deelwoord en infinitief in de Nederlandse bijzin*. M. & L. Symons, Leuven.
- PESETSKY, DAVID MICHAEL, 1995. *Zero syntax: Experiencers and cascades*. Cambridge: MIT Press.
- POSTMA, GERTJAN, 1994. The indefinite reading of wh. In: Reineke Bok-Bennema and Crit Cremers (eds.), *Linguistics in the Netherlands*, volume 11, pp. 187–198. John Benjamins Publishing Company.
- POTS, CORA, forthcoming. Te-raising is clitic climbing. In: *Linguistics in the Netherlands*, volume 34, pp. 127–141. John Benjamins Publishing Company.
- RAMBOW, OWEN and ARAVIND K. JOSHI, 1994. A processing model for free word order languages. In: L. Frazier and K. Rayner (eds.), *Perspectives on sentence processing*. Lawrence Erlbaum Associates.
- RAMCHAND, GILLIAN and PETER SVENONIUS, 2014. Deriving the functional hierarchy. *Language Sciences* 46 (Part B), pp. 152–174.
- RAMCHAND, GILLIAN CATRIONA, 2008. *Verb meaning and the lexicon: A first phase syntax*, volume 116. Cambridge University Press.
- RAMCHAND, GILLIAN CATRIONA and PETER SVENONIUS, 2002. The lexical syntax and lexical semantics of the verb-particle construction. In: Line Mikkelsen and Christopher Potts (eds.), *Proceedings of the West Coast Conference on Formal Linguistics*, volume 21, pp. 387–400.
- REINHART, TANYA and TAL SILONI, 2005. The lexicon-syntax parameter: Reflexivization and other arity operations. *Linguistic inquiry* 36 (3), pp. 389–436.

- VAN RIEMSDIJK, HENK, 1982. A note on case absorption. *Wiener Linguistische Gazette* 28–29, pp. 72–83.
- ROEPER, THOMAS, 1999. Universal bilingualism. *Bilingualism: Language and Cognition* 2 (3), pp. 169–186.
- SALZMANN, MARTIN, 2011. Resolving the movement paradox in verb projection raising. in favor of base-generation and covert predicate raising. In: Olivier Bonami and Patricia Cabredo Hofherr (eds.), *Empirical Issues in Syntax and Semantics*, volume 8, pp. 453–485.
- , 2013. New arguments for verb cluster formation at PF and a right-branching VP: Evidence from verb doubling and cluster penetrability. *Linguistic Variation* 13 (1), pp. 81–132.
- , to appear. On the limits of variation in West-Germanic verb clusters. evidence from vp-stranding, extraposition and displaced morphology for the existence of clusters with 213 order. *Journal of Comparative Germanic Linguistics* .
- SAPP, CHRISTOPHER D, 2006. *Verb order in subordinate clauses from early new high German to modern German*. ProQuest.
- , 2011. *The verbal complex in subordinate clauses from Medieval to Modern German*, *Linguistik Aktuell/Linguistics Today*, volume 173. John Benjamins Publishing Company.
- SCHMID, TANJA and RALF VOGEL, 2004. Dialectal variation in german 3-verb clusters: A surface-oriented optimality theoretic account. *The Journal of Comparative Germanic Linguistics* 7 (3), pp. 235–274.
- SCHONENBERGER, MANUELA, 1995. Constituent order in the VP: Verb raising and verb projection raising. In: Zvi Penner (ed.), *Topics in Swiss German Syntax*, pp. 347–411. Peter Lang.
- DE SUTTER, GERT, 2005. *Rood, groen, corpus! Een taalgebruiksgebaseerde analyse van woordvolgordevariatie in tweeledige werkwoordelijke eindgroepen*. Ph.D. thesis, University of Leuven.
- , 2007. Naar een corpusgebaseerde, cognitief-functionele verklaring van de woordvolgordevariatie in tweeledige werkwoordelijke eindgroepen. *Nederlandse Taalkunde* 12 (4), pp. 302–330.
- , 2009. Towards a multivariate model of grammar: The case of word order variation in Dutch clause final verb clusters. In: Andreas Dufter, Jürg Fleischer, and Guido Seiler (eds.), *Describing and modeling variation in grammar*, *Trends in Linguistics. Studies and Monographs*, volume 204, pp. 225–254. De Gruyter Mouton.
- DE SWART, HENRIETTE, YOAD WINTER, and JOOST ZWARTS, 2007. Bare nominals and reference to capacities. *Natural Language & Linguistic Theory* 25 (1), pp. 195–222.

- DE SWART, HENRIETTE and JOOST ZWARTS, 2009. Less form—more meaning: Why bare singular nouns are special. *Lingua* 119 (2), pp. 280–295.
- TRAVIS, LISA DEMENA, 1984. *Parameters and effects of word order variation*. Cambridge: MIT Press.
- USZKOREIT, HANS, THORSTEN BRANTS, DENYS DUCHIER, BRIGITTE KRENN, LARS KONIECZNY, STEPHAN OEPEN, and WOJCIECH SKUT, 1998. Studien zur performanzorientierten Linguistik. Aspekte der Relativsatzextraposition im Deutschen. *Kognitionswissenschaft* 7, pp. 129–133.
- VASISHTH, SHRAVAN and RICHARD L. LEWIS, 2006. Argument-head distance and processing complexity: Explaining both locality and antilocality effects. *Language* 82 (4), pp. 767–794.
- VERHASSELT, JAN, 1961. Verschillen tussen noord en zuid inzake de volgorde hulpwerkwoord-hoofdwerkwoord. *Taal en tongval* 13, pp. 153–157.
- WARREN, TESSA and EDWARD GIBSON, 1999. The effects of discourse status on intuitive complexity: Implications for quantifying distance in a locality-based theory of linguistic complexity. Poster presented at the Twelfth CUNY Sentence Processing Conference, New York.
- WEINREICH, URIEL, 1954. Is a structural dialectology possible? *Word* 10 (2-3), pp. 388 – 400.
- WILLIAMS, EDWIN, 1999. A universal characterization of head-to-head movement. Paper presented at the 22nd GLOW Colloquium, Berlin.
- , 2003. *Representation theory*. Cambridge: MIT Press.
- WURMBRAND, SUSI, 2001. Infinitives: restructuring and clause structure. In: *Studies in Generative Grammar*, volume 55. Mouton de Gruyter.
- , 2004. Syntactic vs. post-syntactic movement. In: Sophie Burelle and Stanca Somesfalean (eds.), *Proceedings of the 2003 Annual Meeting of the Canadian Linguistic Association (CLA)*, pp. 284–295.
- , 2006. Verb clusters, verb raising, and restructuring. In: Martin Everaert and Henk van Riemsdijk (eds.), *The Blackwell companion to syntax*, volume V, chapter 75, pp. 229–343. Blackwell Publishing.
- , 2014. Restructuring across the world. In: Ludmila Veselovská and Markéta Janebová (eds.), *Complex visibles out there. Proceedings of the Olomouc Linguistics Colloquium 2014: Language use and linguistic structure*, pp. 275–294.
- , 2015. Restructuring cross-linguistically. In: Thuy Bui and Deniz Özyıldız (eds.), *Proceedings of the North Eastern Linguistics Society annual meeting*, volume 45, pp. 227–240. GLSA (Graduate Linguistics Student Association).
- , 2017. Verb clusters, verb raising, and restructuring. In: Martin Everaert and Henk van Riemsdijk (eds.), *The Wiley Blackwell companion to syntax*. Wiley-Blackwell, 2nd edition.

- ZWART, JAN-WOUTER, 1994. Dutch is head initial. *The Linguistic Review* 11 (3-4), pp. 377–406.
- , 1996. Verb clusters in continental West Germanic dialects. In: James R. Black and Virginia Motapanyane (eds.), *Microparametric syntax and dialect variation., Current Issues in Linguistic Theory*, volume 139, pp. 229–258. John Benjamins Publishing Company.
- , 1997. The Germanic SOV languages and the universal base hypothesis. In: Liliane Haegeman (ed.), *The New Comparative Syntax*, 246–267. Longman, London and New York.
- , 2001. Syntactic and phonological verb movement. *Syntax* 4 (1), pp. 34–62.

