Personal Details

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Current	Professor of Computational Communication Science & Political Communication, VU University Amsterdam

Brief Summary of Research

Due to my interdisciplinary background in Computational Linguistics and Communication Science, I have acquired a leading position in the budding field of computational communication science, specializing in the automatic analysis of large collections of political texts. I acquired various grants (NWO VENI, OC; Digging into Data; Joint E-science/Data Science, H2020) to study susbtantive and methodological aspect of political communication. This resulted in a number of substantive collaborations and articles in the best-cited journals in the field, including Political Analysis, Journal of Communication, and Political Communication. I currently have an h-index of 24 with over 3,400 citations (Google Scholar).

These techniques have been disseminated to a broad audience of social science scholars, as R packages and as part of the AmCAT text analysis infrastructure that I developed during my PhD project and that is used in teaching and research projects at various universities. As an indication of the use of this software in research and teaching, in 2016 alone 442 unique users used AmCAT in 494 different projects, uploading 8,719,400 documents and conducting 9,768 queries. AmCAT has been cited over 100 times in academic work.

Substantively I contributed to political communication, especially together with the Ph.D. students I supervise(d): supervised machine learning (Moritz Laurer) news algorithms and diversity (Nicolas Mattis); digital tracking and filter bubbles (Felicia Loecherbach); the role of media logic in recent election campaigns (Janet Takens); the consequences of increased audience logic and the gatekeeping role of newspapers (Kasper Welbers), and tabloidization and news quality (Carina Jacobi).

My interdisciplinary background puts me in a unique position to continue to push the methodological state of the art in text analysis. As part of this effort, I co-founded and chaired (until 2020) the Computational Methods interest group in the International Communication Association (ICA), and co-founded and chair the CCS.Amsterdam virtual collaborative research lab. I am also editor-in-chief and co-founder of the open access journal Computational Communication Research.

Post-secondary Education

2004-2008	**Ph.D. in Artificial Intelligence and Communication Science**
	VU University Amsterdam, VUBIS Interdisciplinary Ph.D. program
	Department of Exact Sciences and Department of Social Sciences
	Advisors: prof. Frank van Harmelen (AI), prof. Jan Kleinnijenhuis (Communication Science), dr. Stefan Schlobach (AI)
2002 – 2003	**Master of Science in Informatics**
	University of Edinburgh
	Specialisation: Language Engineering

1998 – 2001	**Bachelor of Science (*cum laude*)**
	University College Utrecht
	Major: Science (Mathematics, Computer Science)
	Minor: Humanities (Linguistics)

Relevant Professional experience

2022 – present	**VU University Amsterdam: Full Professor**
	Faculty of Social Sciences, Department of Communication Sciences
2017 – 2021	**VU University Amsterdam: Associate Professor**
	Faculty of Social Sciences, Department of Communication Sciences
2010 – 2017	**VU University Amsterdam: Assistant Professor**
	Faculty of Social Sciences, Department of Communication Sciences
2017 January – May	**Visiting Professor, City University of Hong Kong**
	Department of Media and Communication
	Developing automatic methods for analysing social media (hosted by Jonathan Zhu)
2016 – present	**Faculty Affiliate, Cline Center for Democracy**
	University of Illinois Urbana-Champaign
2013 February – July	**Visiting Scholar, Hebrew University in Jerusalem**
	Department of Political Science
	Using automated content analysis to study Mediated Public Diplomacy (hosted by Tamir Sheafer and Shaul Shenhav)
2009 – 2012	**University of Antwerp: Researcher (0.2 FTE)**
	Department of Political Science
	Using machine learning to automate Agenda coding of newspaper articles, legislative texts, and manifestoes
2008 – 2010	**VU University Amsterdam: Post-doc Researcher**
	Faculty of Social Sciences, Department of Communication Sciences
	Research in NWO program *Omstreden Democratie* (Contested Democracy) on the effects of short term media logic on long term democratic viability
2004 – 2008	**VU University Amsterdam: Promovendus (PhD student)**
	Faculty of Sciences, Department of Artificial Intelligence and Faculty of Social Sciences, Department of Communication Sciences
	Dissertation defended 14th of November, 2008
March – June 2006	**Carnegie Mellon University, Visiting Researcher**
	Using Social Network Analysis methods to analyse political data
	Hosted by Kathleen Carley
2001 – 2006	**2AT: Co-founder, programmer, director**
	Custom software solutions, network service, system administration.

Grants and acquisition

2021	**NWO SSH Platform Digital Infrastructure**
	Digital Data Donation Infrastructure (D3I) (Co-PI; 1M, together with UvA and others)
2020	**NWO OC Digitalisation**
	Rethinking news algorithms, VU (PI; 750k€, together with VU linguistics and UvA law)
2020	**VW AI & Future Society Planning Grant**
	Value-sensitive AI for augmenting local journalism (150k, co-applicant)

2020	**OPTED: H2020 Infrastructure grant**
	Developing infrastructure for multilingual analysis of political text (WP PI; VU 285k€ out of 3M€ total)
2018	**Dutch Jouralism Fund**
	Local journalism and the municipal elections, VU 38k€out of 108k€total (PI: Nel Ruigrok)
2017	**JEDS**
	'Tracking the Filter Bubble', Joint E-science / Data Science grant, NWO & Netherlands eScience Center, 250k€plus funding for eScience engineer (PI)
2017	**SIDN**
	'Unlocking the Potential of News Recommenders for an Open Internet and Informed Citized', 75k€(PI: Natali Helberger)
2017	**Digging into Data**
	"Responsible Terrorism Coverage (ResTeCo): A Global Comparative Analysis of News Coverage about Terrorism from 1945 to the Present", co-PI with Scott Althaus and Hartmut Wessler (my part 125k€ out of total 550k€), Digging into Data Challenge, Trans-Atlantic Platform for the Social Sciences and Humanities (NWO, NSF, DFG, others)
2017	**Anders Foundation**
	The Hyperlinked News Network in Scandinavia, PI Helle Sjovaag (my part 40k€ out of total 1M€), Anderstiftelsen (Anders Foundation), Sweden
2017	**Dutch Journalism Fund**
	Media, audience, and elections: demand, supply, and effect of election coverage in a fractured political media landscape. Dutch Journalism Fund (www.svdj.nl; with Nel Ruigrok, André Krouwel and Sara Gagenstein; 78k€)
2017	**Democracy and Media Foundation**
	Discriminatory micro-portraits of Muslims in political coverage. Democracy and Media Foundation (www.stdem.org; with Nel Ruigrok and Antske Fokkens; 19k€)
2016	**Dasym**
	Commissioned Research for Dasym Investment on monitoring social media and news media for investment decision support (with Piek Vossen and Nel Ruigrok; 49k€)
2014	**WODC**
	Commissioned Research for Minitry of Justice on media coverage of youth crime (with Nel Ruigrok; 84k€)
2013	**WODC**
	Commissioned Research for Minitry of Justice on trust in the rule of law (with Jan Kleinnijenhuis; 84k€)
2012 – 2014	**NWO VENI grant**
	Personal grant to study mediatized politics, see http://vanatteveldt.com/pub/veni_atteveldt.pdf (250k€)
2012 – 2014	**ERC FP7 grant e-com@EU**
	Co-applicant of work package to study influence of media and social media coverage of the H1N1 pandemic (with Tilo Hartmann and Enny Das, in total 2M€, our work packages 250k€)
2013 – 2014	**NI Academy Assistant Program**
	Network Institute Grant for two 'academy assistants' to kickstart interdisciplinary collaboration (with Laura Hollink; VU CS) and an additional Network Institute grant to hire an academy assistant to contribute to interdisciplinary collaboration on the Language Lab (with Antske Fokkens; VU Linguistics)
2012 – 2014	**KNAW Academy Assistant Program**

2012 – 2013   **FSW Talent Program**
Selected for the VU Faculty Talent Program

Other Relevant Experience

Ph.D. Supervision

- Zeve Sanderson (promotor; external), started Septemer 2022 on *Belief in online (mis)information*
- Moritz Laurer (promotor; external), started September 2021 on *Transfer Learning for Computational Social Science*
- Nicolas Mattis (promotor), started September 2020 on *Rethinking News Algorithms*
- Felicia Loecherbach (promotor), started July 2018 on *Tracking the Filter Bubble*, 8-month paper approved
- Christian Erwich (co-promotor) started his Ph.D. research in September 2015 on using natural language techniques for interpreting bible texts (defense planned 2021-01-07, promotor: prof. Wido van Peursen).
- Kasper Welbers (co-promotor and daily supervisor), defended his thesis on Gatekeeping in the Digital Age on 9 December 2016 (promotor: prof. Jan Kleinnijenhuis)
- Carina Jacobi (co-promotor), defended her dissertation on the quality of political news in a changing media environment at the University of Amsterdam on January 22 nd , 2016 (promotor: prof. Klaus Schonbach).
- Janet Takens (co-promotor), successfully defended her dissertation on *Media Logic and Electoral Democracy* on February 1st, 2013 (promotor: prof. Jan Kleinnijenhuis)
- Numerous M.A. and B.A. theses in Communication and Journalism

Invited presentations and Keynotes
- November 2020: Invited speaker, University of Bern (online)
- September 2020: Visiting fellow, Fraunhofer Institute Berlin (postponed)
- November 2019: Invited speaker, University of Mannheim
- May 2019: Invited speaker, University of Stavanger
- April 2019: Invited speaker, University of Zürich
- April 2019: Paul Lazarsfeld Guest Professor and Invited Speaker, University of Vienna
- October 2018: Invited speaker, University of Salamanca
- November 2018: Invited participant, University of Bergen
- April 2018: Invited participant, Text Analysis Developer Workshop, NYU, April 20-21
- January 2018: Invited participant, Collaborative Research on Extreme-Scale Text Analytics (CRESTA) workshop, UIUC, January 1-4
- May 2017: Invited speaker at Kobe University (Japan)
- February 2017: Invited speaker at City University of Hong Kong, COM Research Seminar
- June 2016: Invited speaker at NetGlow conference, St. Petersburg
- April 2016: Invited speaker in UvA Text Analysis series
- March 2016: Invited speaker at Text Visualization workshop, LSE and Imperial College, London
- March 2015: invited speaker at Analyzing Political Discourse in the International Arena, Hebrew University, Israel
- February 2015: invited speaker at Innovations in Quantitative Content Analysis workshop , European University Institute, Florence
- August 2015: invited speaker at 'Network Theory and Methods' conference (VU University)
- October 2015: invited speaker at Connecting Data for Research symposium (VU University)
- October 2015: invited speaker at Talk of Europe workshop organized by Royal Library (KB), The Hague
- Dec 2014: Keynote speaker at Daegu Gyeongbuk International Social Network Conference organized by Asia, Triple Helix Society, Daegu (Korea).
- Nov 2014: Invited speaker at SFB 884 Text Conference, MZES Mannheim.
- Jun 2014: Invited speaker at Big Data in the Social Sciences, University of Glasgow.
- Jul 2013: Invited speaker at New Directions in Analyzing Text as Data, LSE London.

Workshop Organization
- December 2018: co-organized EuroCSS workshop on Workshop on Biases in Social Computing Data and Technology
- June 2014 and June 2015: co-organized pre-conference workshops on social and semantic network methods for communication science at the International Communication Association (ICA; with Jana Diesner and Christian Baden).
- January 2013: co-organized workshop on Media Logic and Electoral Democracy at VU University (with Janet Takens).
- Nov 2008: Organized workshop on Semantic Network Analysis at VU University

Tool Development
- AmCAT: I developed the open source Amsterdam Content Analysis Toolkit (AmCAT) for media storage, retrieval, annotation, and analysis; currently leading team of 2 developers for maintaining a system containing 40 million documents, of which over 400 thousand manually annotated, in use by >100 users at various institutions and companies. See http://github.com/amcat and http://amcat.nl. AmCAT has been cited in over 100 articles.
- R packages: I (co-)developed various R packages, including RTextTools (machine learning), Corpustools (topic modeling), RNewsflow (document similarity)
- Natural Language Processing: I have developed nlpipe, a toolkit for easily processing large amounts of text with NLP tools, integrated with AmCAT and R.

Methodological Dissemination

- 2020: workshop on Analyzing Text and Data with R, University of Bern
- 2019, 2020: workshop on Topic Modeling, GESIS Cologne
- 2019: hands-on workshop on deep learning, University of Mannheim
- 2019: workshop on Analyzing Text and Data with R, University of Vienna
- 2018: workshop on Analyzing Text and Data with R, FSW Graduate School
- 2016: workshop on Text Analysis with R, University of Glasgow, 17 November 2016
- 2016: developed and taught summer school course on Advanced Text Analysis with R, City University Hong Kong (Ph.D. level, 6x3 hours)
- 2015 – 2019: co-organized and taught summer and winter school on Big Data, VU University
- 2014 – 2016: organized and taught 'Programming and Analyzing in R', VU Graduate program
- Numerous workshops on text analysis and AmCAT, including at St. Petersburg University (2016), University of Ghent (2015), Vienna (2014), Antwerp (2014), HU Jerusalem (2014), Washington (2013), UT Austin (2012)

Course Co-ordinator, developer and lecturer

- 2019-current: Programme Director of VU master and bachelor program Communication Science. Responsible for BA and MSc curriculum review, introduction of computational methods, and development of international track.
- developed and taught M.Sc. level course 'Political Communication and News Dynamics'; co-ordinated and taught M.Sc. level course 'News effects in the Digital Age'
- developed and taught B.Sc. level courses 'Big Data and Computational Thinking', 'Social Media Analytics', 'Seminar on Public Opinion and Communication', 'Framing in Politics and Economics', and 'Media in the Public Domain'
- lecturer and guest lecturer in various courses including 'Current Issues in Communication Science' (M.Sc.) and 'Marketing Communication 2.0' (B.Sc.)

University Organization and Community Service

- Member of the FSW Research Assessment Board (2021 – present)
- Member of the Programme Committee for the Research Master programme.
- Co-founder and Chair of the ICA Division on Computational Methods, ICA (2016 – 2020)
- Co-founder and Chair of CCS.Amsterdam (2018 – present)
- Member of the departmental and central examination committees for Communication Science, VU Faculty of Social Sciences, and Journalism
- Chair of VU FSW promotion committees (2019 & 2020)
- Member of the VU FSW committees on testing and evaluation; research Master; and methods and techniques.
- Member of the jury for the Faculty Research Prize (2013-2020)

Reviewing and editing

- Founding editor-in-chief, Computational Communication Research (ISSN 2665-9085).
- Guest editor, Special Issue on Computational Methods, Communication Methods and Measures
- Editor for Journal of Communication (2022 – present)
- Editor for Journal of Media Psychology (2022 – present)
- Editor for Communication Methods and Measures (2019 – present)
- Editor for the Journal of Information Technology and Politics (2011 – present)
- Program Committee Member for the International Conference on Computational Social Science (2019 – present), Web Science conference (2011 – 2013), IEEE eScience conference (2018), LREC (2020)
- Reviewer for e.g. Journal of Communication, International Journal of Communication, International Journal of Press/Politics, Journalism and Mass Communication Quarterly, American Political Science Review

Publications

Books

Van Atteveldt, W., Trilling, D., & Arcila, C. (2021). *Computational Analysis of Communication: A practical introduction to the analysis of texts, networks, and images with code examples in Python and R*. Hoboken, NJ, Wiley-Blackwell. http://cssbook.net

Van Atteveldt, W. (2008). *Semantic network analysis: Techniques for extracting, representing, and querying media content (dissertation)*. Charleston, SC, BookSurge. https://vanatteveldt.com/files/vanatteveldt_semanticnetworkanalysis.pdf

Kleinnijenhuis, J., Scholten, O., Van Atteveldt, W., Van Hoof, A. M. J., Krouwel, A., Oegema, D., De Ridder, J. A., Ruigrok, N., & Takens, J. (2007). *Nederland vijfstromenland: De rol van media en stemwijzers bij de verkiezingen van 2006*. Amsterdam, Bert Bakker.

Journal Articles

Bernstein, A., de Vreese, C., Helberger, N., Schulz, W., Zweig, K., Baden, C., Beam, M. A., Hauer, M. P., Heitz, L., Jürgens, P., Katzenbach, C., Kille, B., Klimkiewicz, B., Loosen, W., Moeller, J., Radanovic, G., Shani, G., Tintarev, N., Tolmeijer, S., . . . Zueger, T. (2021). Diversity in news recommendations. *Dagstuhl Manifestos*, *9*(1), 43–61. https://doi.org/doi.org/10.4230/DagMan.9.1.43

Calderón, C., Van Atteveldt, W., & Trilling, D. (2021). Métodos computacionales y big data en la investigación en comunicación. *Cuadernos.info*, *49*, I–IV.

Chan, C.-H., Bajjalieh, J., Auvil, L., Wessler, H., Althaus, S., Welbers, K., Van Atteveldt, W., & Jungblut, M. (2021). Four best practices for measuring news sentiment using 'off-the-shelf'dictionaries: A large-scale p-hacking experiment. *Computational Communication Research*, *3*, 1–27. https://doi.org/doi.org/10.5117/CCR2021.1.001.CHAN

Loecherbach, F., van der Velden, M., Welbers, K., Steijaert, M., & Van Atteveldt, W. (2021). Epistemic overconfidence in algorithmic news selection. *Accepted for publication in Media & Communication*.

Van Atteveldt, W., van der Velden, M., & Boukes, M. (2021). The validity of sentiment analysis. *Communication Methods and Measures*, *15*(2), 121–140. https://doi.org/10.1080/19312458.2020.186919

Welbers, K., Van Atteveldt, W., & Kleinnijenhuis, J. (2021). Extracting semantic relations using syntax: An R package for querying and reshaping dependency trees. *Computational Communication Research*, *3*(2), 1–16. https://doi.org/doi.org/10.5117/CCR2021.2.003.WELB

Chan, C.-H., Wessler, H., Rinke, E. M., Welbers, K., Van Atteveldt, W., & Althaus, S. (2020). How combining terrorism, muslim, and refugee topics drives emotional tone in online news: A six-country cross-cultural sentiment analysis. *International Journal of Communication*, *14*, 3569–3594.

Kleinnijenhuis, J., van Hoof, A., & Van Atteveldt, W. (2020). The combined effects of mass media and social media on political perceptions and preferences.

Loecherbach, F., Moeller, J., Trilling, D., & Van Atteveldt, W. (2020). The unified framework of media diversity: A systematic literature review. *Digital Journalism*, 1–38. https://doi.org/10.1080/21670811.2020.1764374

Van Atteveldt, W., Althaus, S., & Wessler, H. (2020). The trouble with sharing your privates: Pursuing ethical open science and collaborative research across national jurisdictions using sensitive data. *Political Communication*. https://doi.org/10.1080/10584609.2020.1744780

Hilbert, M., Barnett, G., Blumenstock, J., Contractor, N., Diesner, J., Frey, S., González-Bailón, S., Lamberson, P., Pan, J., Peng, T.-Q. (, Shen, C. (, Smaldino, P. E., Van Atteveldt, W., Waldherr, A., Zhan, J., & Zhu, J. J. H. (2019). Computational communication science: A methodological catalyzer for a maturing discipline. *International Journal of Communication*, *13*, 3912–3934.

Van Atteveldt, W., Margolin, D., Shen, C., Trilling, D., & Weber, R. (2019). A roadmap for computational communication research.

Van Atteveldt, W., Strycharz, J., Trilling, D., & Welbers, K. (2019). Toward open computational communication science: A practical road map for reusable data and code. *International Journal of Communication*, *13*, 3935–3954.

Fogel-Dror, Y., Shenhav, S. R., Sheafer, T., & Van Atteveldt, W. (2018). Role-based association of verbs, actions, and sentiments with entities in political discourse. *Communication Methods and Measures*, 1–14. https://doi.org/10.1080/19312458.2018.1536973

Kleinnijenhuis, J., Van Atteveldt, Wouter, & Dekkers, V. (2018). Partial priming: How issue news shapes issue saliency, which shapes turnout but not the vote. *Acta Politica*, 1–21.

Van Atteveldt, W., & Peng, T.-Q. (2018). When communication meets computation: Opportunities, challenges, and pitfalls in computational communication science. *Communication Methods and Measures*, *12*(2-3), 81–92.

Welbers, K., Van Atteveldt, W., Kleinnijenhuis, J., & Ruigrok, N. (2018). A gatekeeper among gatekeepers: The impact of a single news agency on political news in print and online newspapers in the Netherlands. *Journalism Studies*, *19*(3), 315–333.

Ruigrok, N., Van Atteveldt, W., Gagestein, S., & Jacobi, C. (2017). Media and juvenile delinquency: A study into the relationship between journalists, politics, and public. *Journalism*, *18*(7), 907–925.

Van Atteveldt, W., Sheafer, T., Shenhav, S., & Fogel-Dror, Y. (2017). Clause analysis: Using syntactic information to automatically extract source, subject, and predicate from texts with an application to the 2008–2009 Gaza War. *Political Analysis*, *25*(2), 207–222.

Welbers, K., Van Atteveldt, W., & Benoit, K. (2017). Text analysis in R. *Communication Methods and Measures*, *11*(4), 245–265. https://doi.org/10.1080/19312458.2017.1387238

Jacobi, C., Van Atteveldt, W., & Welbers, K. (2016). Quantitative analysis of large amounts of journalistic texts using topic modelling. *Digital Journalism*, *4*(1), 89–106.

Kleinnijenhuis, J., & Van Atteveldt, W. (2016). The impact of the explosion of eu news on voter choice in the 2014 eu elections. *Politics and Governance*, *4*(1).

Welbers, K., Van Atteveldt, W., Kleinnijenhuis, J., Ruigrok, N., & Schaper, J. (2016). News selection criteria in the digital age: Professional norms versus online audience metrics. *Journalism*, *17*(8), 1037–1053.

Takens, J., Kleinnijenhuis, J., Van Hoof, A., & Van Atteveldt, W. (2015). Party leaders in the media and voting behavior: Priming rather than learning or projection. *Political Communication*, *32*(2), 249–267.

Sheafer, T., Shenhav, S. R., Takens, J., & Van Atteveldt, W. (2014). Relative political and value proximity in mediated public diplomacy: The effect of state-level homophily on international frame building. *Political Communication*, *31*(1), 149–167.

Van Hoof, A. M., Jacobi, C., Ruigrok, N., & Van Atteveldt, W. (2014). Diverse politics, diverse news coverage? a longitudinal study of diversity in Dutch political news during two decades of election campaigns. *European Journal of Communication*, *29*(6), 668–686.

Collingwood, L., Jurka, T., Boydstun, A., Grossman, E., & Van Atteveldt, W. (2013). Rtexttools: A supervised learning package for text classification. *The R Journal*, *5*(1), 6–13.

Kleinnijenhuis, J., Schultz, F., Oegema, D., & Van Atteveldt, W. (2013). Financial news and market panics in the age of high frequency trading algorithms. *Journalism*, *14*(2), 271–291.

Kleinnijenhuis, J., & Van Atteveldt, W. (2013). Political positions and political cleavages in texts. In B. Kaal, I. Maks, & A. van Elfrinkhof (Eds.), *From text to political positions (discourse approaches to politics, society and culture)*. Amsterdam/Philadelphia, John Benjamins Publishing Company.

Takens, J., Van Atteveldt, W., van Hoof, A., & Kleinnijenhuis, J. (2013). Media logic in election campaign coverage. *European Journal of Communication*, *28*, 277–293.

Schultz, F., Kleinnijenhuis, J., Oegema, D., Utz, S., & Van Atteveldt, W. (2012). Strategic framing in the bp crisis: A semantic network analysis of associative frames. *Public Relations Review*, *38*(1), 97–107.

Van Atteveldt, W., Kleinnijenhuis, J., & Ruigrok, N. (2008). Parsing, semantic networks, and political authority: Using syntactic analysis to extract semantic relations from Dutch newspaper articles. *Political Analysis*, *16*(4), 428–446.

Van Atteveldt, W., Kleinnijenhuis, J., Ruigrok, N., & Schlobach, S. (2008). Good news or bad news? Conducting sentiment analysis on Dutch text to distinguish between positive and negative relations. *Journal of Information Technology and Politics*, *5*(1), 73–94.

Ruigrok, N., & Van Atteveldt, W. (2007). Global angling with a local angle: How U.S., British, and Dutch newspapers frame global and local terrorist attacks. *The Harvard International Journal of Press/Politics*, *12*, 68–90.

Book Chapters and other publications

Van Atteveldt, W., Welbers, K., & Van der Velden, M. (2019). Automatic text analysis.

Van Atteveldt, W., Ruigrok, N., Welbers, K., & Jacobi, C. (2017). News waves in a changing media landscape 1950-2014. In P. Vasterman (Ed.), *From media hype to twitter storm, self-reinforcing media dynamics*. Amsterdam, AUP.

Van Atteveldt, W., Moser, C., & Welbers, K. (2017). Being apart together: Convergence and divergence in the field of Dutch politics. In *Structure, content and meaning of organizational networks: Extending network thinking* (pp. 49–64). Emerald Publishing Limited.

Ruigrok, N., Van Atteveldt, W., Gagestein, S., Slotboom, A., & Jacobi, C. (2014). Media en jeugdcriminaliteit. een onderzoek naar de mediaberichtgeving in vergelijking met de feitelijke ontwikkelingen.[Media and youth crime: An investigation of the media coverage compared to statistical developments].

Kleinnijenhuis, J., Takens, J., van Hoof, A., Van Atteveldt, W., & Walter, A. (2013). Gevaren van medialogica voor de democratie. In R. Aarts & P. De Goede (Eds.), *Omstreden democratie* (pp. 111–130). Meppel, Boom.

Kleinnijenhuis, J., Van Atteveldt, W., & Welbers, K. (2013). De herkomst van vertrouwen in de rechtsstaat 1993–2012, onderzocht via tekstmining van de mediaberichtgeving en analyse van de publieke opinie [Determinants of trust in the rule of law 1993–2012, studies using text mining of media coverage and analysis of public opinion].

Ruigrok, N., Van Atteveldt, W., & Takens, J. (2013). Shifting frames in a deadlocked conflict: News coverage of the israeli-palestinian conflict. In J. Seethaler, M. Karmasin, G. Melischek, & R. Woehlert (Eds.), *Selling war: The role of the mass media in hostile conflicts (ecrea, 1753-0342)* (pp. 259–289). Bristol, Intellect.

Takens, J., Van Hoof, A., Kleinnijenhuis, J., & Van Atteveldt, W. (2011). Do new parties bring a narrow issue agenda, populism, and personalization? evidence from Dutch election campaign coverage from 1998 to 2006. In T. Van Haaften, H. Jansen, J. De Jong, & W. Koetsenruijter (Eds.), *Bending opinion. essays on persuasion in the public domain* (pp. 325–345). Leiden, Leiden University Press.

Van Atteveldt, W., Schlobach, S., & Van Harmelen, F. (2007). Media, politics and the Semantic Web: An experience report in advanced RDF usage (E. Franconi, M. Kifer, & W. May, Eds.). In E. Franconi, M. Kifer, & W. May (Eds.), *Eswc 2007*, Berlin, Germany, Springer.

Kleinnijenhuis, J., & Van Atteveldt, W. (2006). Geautomatiseerde inhoudsanalyse, met de berichtgeving over het eu-referendum als voorbeeld. In F. Wester (Ed.), *Inhoudsanalyse: Theorie en praktijk*. Alphen aan de Rijn (Netherlands), Kluwer.

Ruigrok, N., & Van Atteveldt, W. (2006). Marijnissen en wilders, een tomatenrepubliek ontsluierd? *Samenleving en Politiek*, *13*(10), 39–49.

Kleinnijenhuis, J., Takens, J., & Van Atteveldt, W. (2005). Toen Europa de dagbladen ging vullen. In K. Aarts & H. van der Kolk (Eds.), *Nederlanders en europa: Het referendum over de europese grondwet*. Amsterdam, Bert Bakker. http://www.cs.vu.nl/~wva/pub/EUa.pdf

Van Atteveldt, W., & Schlobach, S. (2005a). A modal view on polder politics. In S. Artemov, H. Barringer, A. S. d'Avila Garcez, L. C. Lamb, & J. Woods (Eds.), *We will show them: Essays in honour of dov gabbay, vol 1* (pp. 89–105). Berlin. http://www.cs.vu.nl/~wva/pub/HL.pdf

Van Atteveldt, W., & Schlobach, S. (2005b). A modal view on polder politics, In *Proceedings of methods for modalities (m4m) 2005 (berlin, 1-2 december)*.

Philip, W., Van Atteveldt, W., Coopmans, P., & van der Meer, M. (2001). Subject-object asymmetry in child comprehension of wh-questions, In *Proceedings of bucld 2000*. http://www.cs.vu.nl/~wva/pub/BUCLD25.pdf