

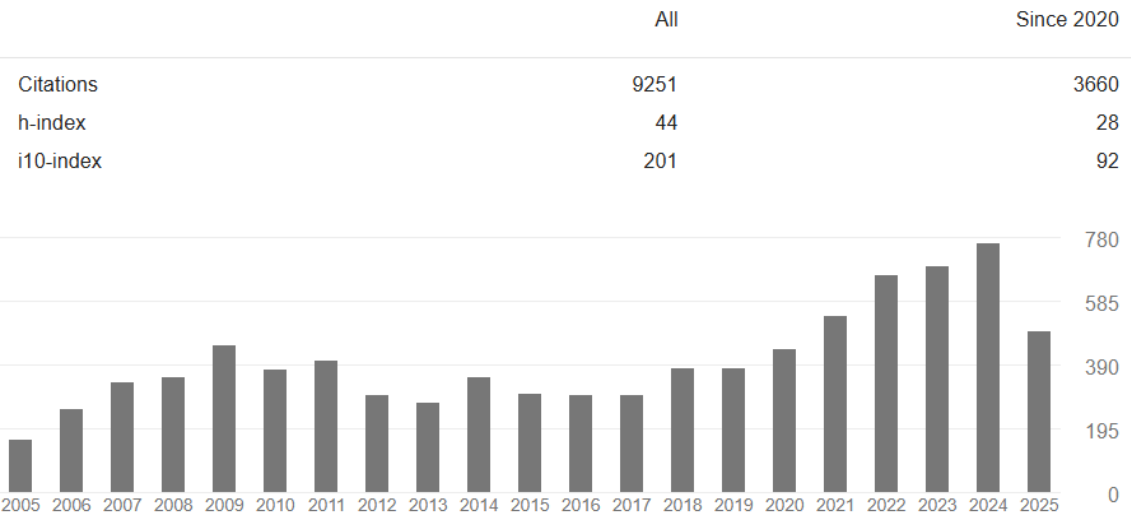
Publication List

Eero Hyvönen

Papers available online: <https://seco.cs.aalto.fi/u/eahyvone/publications/index.php>

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A. Peer Reviewed Scientific Papers

A.1 Journals

1. Annastiina Ahola, Telma Peura, Eero Hyvönen: Using Linked Data for Data Analytic Literary Research: Case BookSampo - Finnish Fiction Literature on the Semantic Web. *Journal of the Association for Information Science and Technology*, vol. 76, no. 7, pp. 937-958, 2025. DOI: 10.1002/asi.24984.
2. Eero Hyvönen, Laura Sinikallio, Petri Leskinen, Senka Drobac, Rafael Leal, Matti La Mela, Jouni Tuominen, Henna Poikkimäki and Heikki Rantala: Publishing and Using Parliamentary Linked Data on the Semantic Web: ParliamentSampo System for Parliament of Finland. *Semantic Web*, vol. 16, no. 1, 2025. DOI: 10.3233/SW-243683.
3. Michael Lewis, Eljas Oksanen, Frida Ehrnsten, Heikki Rantala, Jouni Tuominen and Eero Hyvönen: The Impact of Human Decision-making on the Research Value of Archaeological Data. *Journal on Computing and Cultural Heritage*, vol. 18, no. 3, 2025.
4. Eero Hyvönen: Serendipitous knowledge discovery on the Web of Wisdom based on searching and explaining interesting relations in knowledge graphs. *Journal of Web Semantics*, Elsevier, December, 2024. Accepted, in print.
5. Annastiina Ahola, Telma Peura, Eero Hyvönen: Using Linked Data for Data Analytic Literary Research: Case BookSampo - Finnish Fiction Literature on the Semantic Web. May, 2024. Submitted for review.
6. Michael Lewis, Eljas Oksanen, Frida Ehrnsten, Heikki Rantala, Jouni Tuominen and Eero Hyvönen: The Impact of Human Decision-making on the Research Value of Archaeological Data. June, 2024. Submitted for evaluation.
7. Petri Leskinen, Javier Ureña-Carrion, Jouni Tuominen, Mikko Kivelä, Eero Hyvönen: Knowledge Graphs and Data Services for Studying Historical Epistolary Data in Network Science on the Semantic Web. *Semantic Web*, IOS Press, 2024. Under open review.
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9. Eero Hyvönen: How to Create a National Cross-domain Ontology and Linked Data Infrastructure and Use It on the Semantic Web. *Semantic Web – Interoperability, Usability, Applicability*. DOI: 10.3233/SW-243468.
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11. Henna Poikkimäki, Petri Leskinen and Eero Hyvönen: Applying Network and Bibliometric Analyses to Mentions of Politicians in Plenary Speeches: Case ParliamentSampo - Parliament of Finland on the Semantic Web. August, 2023. Submitted for evaluation.

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13. Minna Tamper, Petri Leskinen, Eero Hyvönen, Risto Valjus and Kirsi Keravuori: Analyzing Biography Collection Historiographically as Linked Data: Case National Biography of Finland. *Semantic Web – Interoperability, Usability, Applicability*, vol. 14, no. 2, pp. 385-419, IOS Press, 2023.
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A.2 Book Chapters

57. Rafael Leal, Annastiina Ahola and Eero Hyvönen: Extracting Metadata from Texts and Images for Digital Humanities Research: Lessons Learned from Developing Linked Open Data Applications in Finland. *AI and the Transformation of Metadata Research and Practices – Global and Regional Perspectives*, Cambridge University Press, October, 2025. Book chapter submitted for review.
58. Eero Hyvönen: Military History on the Semantic Web: Lessons Learned from Developing Three In-use Linked Open Data Services and Semantic Portals for Digital Humanities. *Intelligent Computing for Cultural Heritage: Global Developments and China's Innovations*, Francis & Taylor, Routledge, July, 2024.
59. Arttu Oksanen, Jouni Tuominen, Eetu Mäkelä, Minna Tamper, Aki Hietanen and Eero Hyvönen: Law and Justice as a Linked Open Data Service. *Knowledge of the Law in the Big Data Age* (G. Peruginelli and S. Faro (eds.)), *Frontiers in Artificial Intelligence and Applications*, vol. 317, IOS Press, 2019. ISBN 978-1-61499-984-3 (print); ISBN 978-1-61499-985-0 (online).
60. Howard Hotson, Thomas Wallnig, Jouni Tuominen, Eetu Mäkelä, and Eero Hyvönen: People. Reassembling the Republic of Letters in the Digital Age (H. Hotson and T. Wallnig (eds.)), pp. 119-136, Göttingen University Press, 2019.
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- Republic of Letters in the Digital Age (H. Hotson and T. Wallnig (eds.)), pp. 223-235, Göttingen University Press, 2019.
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 66. Lyndon Nixon, Stamatia Dasiopoulou, Jean-Pierre Evain, Eero Hyvönen, Yiannis Kompatsiaris, Raphael Troncy: Chapter VII. Multimedia, Broadcasting and eCulture. In: John Dominque, James A. Hendler (eds): Handbook of Semantic Web Technologies. Springer-Verlag, 2011.
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A.3 Conferences

2025

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95. Eero Hyvönen: Digital Humanities on the Semantic Web: from Infrastructure to Practical Applications, AI-based Knowledge Discovery, and Web of Wisdom. 29th International Conference on Theory and Practice of Digital Libraries, September 23-28, Tampere, Extended keynote abstract, Proceedings, Springer-Verlag, September, 2025.
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