

Literature Reading

Publications by type

Papers only

- [1] Molood Barati, Quan Bai, and Qing Liu. “SWARM: An Approach for Mining Semantic Association Rules from Semantic Web Data”. In: *Trends in Artificial Intelligence, Lecture Notes in Computer Science*. Ed. by Booth R. and Zhang ML. Vol. 9810. PRICAF16. PRICAI: Pacific Rim International Conference on Artificial Intelligence. Phuket, Thailand: Springer, Aug. 2016, pp. 30–43. DOI: 10.1007/978-3-319-42911-3_3. URL: https://link.springer.com/chapter/10.1007/978-3-319-42911-3_3.
- [2] Alex Beutel et al. “Beyond globally optimal: Focused Learning for improved recommendations”. In: *Proceedings of the 26th International Conference on World Wide Web*. WWW’17. WWW: World Wide Web Conference. Perth, Australia: International World Wide Web Conferences Steering Committee, Apr. 2017, pp. 203–212. DOI: 10.1145/3038912.3052713. URL: http://alexbeutel.com/papers/www2017_focused_learning.pdf.
- [3] Kevin W. Boyack, Richard Klavans, and Katy Börner. “Mapping the backbone of science”. In: *Scientometrics* 64.3 (2005), pp. 351–374. DOI: 10.1007/s11192-005-0255-6. URL: <https://link.springer.com/article/10.1007/s11192-005-0255-6>.
- [4] Paolo Ciancarini et al. “Semantic annotation of scholarly documents and citations”. In: *Congress of the Italian Association for Artificial Intelligence, Advances in Artificial Intelligence, Lecture Notes in Computer Science*. Vol. 8249. AI*IA’13. AI*IA: Advances in Artificial Intelligence. Cham, Switzerland: Springer, 2013, pp. 336–347. DOI: 10.1007/978-3-319-03524-6_29. URL: https://link.springer.com/chapter/10.1007/978-3-319-03524-6_29.
- [5] Paolo Ciccarese et al. “CiTO + SWAN: The Web Semantics of Bibliographic Records, Citations, Evidence and Discourse Relationships”. In: *Semantic Web* 5.4 (Oct. 2014), pp. 295–311. DOI: 10.3233/SW-130098. URL: http://semantic-web-journal.net/sites/default/files/swj175_0.pdf.
- [6] Tim Clark, Paolo N. Ciccarese, and Carole A. Goble. “Micropublications: a semantic model for claims, evidence, arguments and annotations in biomedical communications”. In: *Journal of Biomedical Semantics* 5.28 (2014). DOI: 10.1186/2041-1480-5-28. URL: <https://jbiomedsem.biomedcentral.com/articles/10.1186/2041-1480-5-28>.

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- [8] Lee Feigenbaum et al. “The Semantic Web in action”. In: *Scientific American* 297.6 (Dec. 2007), pp. 64–71. DOI: 10.1038/scientificamerican1207-90. URL: <https://www.scientificamerican.com/article/semantic-web-in-action/>.
- [9] Aldo Gangemi et al. “The Publishing Workflow Ontology (PWO)”. In: *Semantic Web* (2016), pp. 1–12. DOI: 1570-0844/0-1900. URL: <http://www.semantic-web-journal.net/system/files/swj1301.pdf>.
- [10] Claus Huitfeldt, Fabio Vitali, and Silvio Peroni. “Documents as Timed Abstract Objects”. In: *Balisage: The Markup Conference, Balisage Series on Markup Technologies*. Vol. 8. BSMT’12. BSMT: Balisage Series on Markup Technologies. Montréal, Canada, Aug. 2012. DOI: 0.4242/BalisageVol8.Huitfeldt01. URL: <https://www.balisage.net/Proceedings/vol8/html/Huitfeldt01/BalisageVol8-Huitfeldt01.html>.
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- [13] Angelo Di Iorio et al. “Crowdsourcing semantic content: a model and two applications”. In: *Proceedings of the 2010 International Conference on Human System Interaction*. HSI’10. HSI: Human System Interaction. Rzeszów, Poland: IEEE, May 2010, pp. 563–570. DOI: 10.1109/HSI.2010.5514513. URL: <http://ieeexplore.ieee.org/document/5514513/>.
- [14] Angelo Di Iorio et al. “Describing bibliographic references in RDF”. In: *Workshop on Semantic Publishing, CEUR Workshop Proceedings*. Ed. by A.G. Castro et al. Vol. 1155. SePublica’14. ceur-ws.org, 2014, pp. 41–56. URL: <http://ceur-ws.org/Vol-1155/paper-05.pdf>.
- [15] Angelo Di Iorio et al. “Faceted documents: describing document characteristics using semantic lenses”. In: *International Conference on Linked Science*. Vol. 1282. LISC’14. LISC: Linked Science Conference. Riva del Garda, Italy: CEUR-WS.org, 2014, pp. 12–23. URL: dl.acm.org/ft_gateway.cfm?id=2361396.
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- [17] Tobias Kuhn and Michel Dumontier. “Trusty URIs: Verifiable, Immutable, and Permanent Digital Artifacts for Linked Data”. In: *Proceedings of the 2014 European Semantic Web Conference, The Semantic Web: Trends and Challenges, Lecture Notes in Computer Science*, ed. by Presutti V. et al. Vol. 8465. ESWC’14. ESWC: European Semantic Web Conference. Anissara/Hersonissou, Crete, Greece: Springer, 2014, pp. 395–410. DOI: 10.1007/978-3-319-07443-6_27. URL: https://link.springer.com/chapter/10.1007/978-3-319-07443-6_27.
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- [19] Tobias Kuhn et al. “Decentralized provenance-aware publishing with nanopublications”. In: *PeerJ Computer Science* (2016). DOI: 10.7717/peerj-cs.78. URL: <https://peerj.com/preprints/1760/>.
- [20] Valentina Maccatrozzo et al. “SIRUP: Serendipity In Recommendations via User Perceptions”. In: *Proceedings of the 22nd International Conference on Intelligent User Interfaces*. IUI’17. IUI: Intelligent User Interfaces. Limassol, Cyprus: ACM, 2017, pp. 35–44. DOI: 10.1145/3025171.3025185. URL: <http://www.cs.vu.nl/~guus/papers/Maccatrozzo17a.pdf>.
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- [24] Andrea Giovanni Nuzzolese et al. “Aemoo: Linked Data exploration based on knowledge patterns”. In: *Semantic Web* 8.1 (2017), pp. 87–112. DOI: 10.3233/SW-160222. URL: <http://www.semantic-web-journal.net/system/files/swj1208.pdf>.
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- [28] Silvio Peroni, David Shotton, and Fabio Vitali. "Scholarly publishing and Linked Data: describing roles, statuses, temporal and contextual extents". In: *Proceedings of the International Conference on Semantic Systems*. I-SEMANTICS '12. I-SEMANTICS: International Semantic Systems. Graz, Austria: ACM, Sept. 2012, pp. 9–16. DOI: 10.1145/2362499.2362502. URL: dl.acm.org/ft_gateway.cfm?id=2362502.
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- [30] Silvio Peroni et al. "Semantic lenses as exploration method for scholarly articles". In: *Italian Research Conference on Digital Libraries: Bridging Between Cultural Heritage Institutions, Communications in Computer and Information Science*. Ed. by Catarci T., Ferro N., and Poggi A. Vol. 385. IRCDL'13. Berlin, Heidelberg, Germany: Springer, 2013. DOI: 10.1007/978-3-642-54347-0_13. URL: link.springer.com/content/pdf/10.1007%252F978-3-642-54347-0_13.pdf.
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Online resources

- [1] *Altmetric*. URL: <https://www.altmetric.com>.
Aggregator of online presence mentions of scholarly content by monitoring: mainstream media outlets like news feeds, online reference managers like Mendeley, data from Open Syllabus Project, research highlights from F1000, Wikipedia, blogs, citations, social media like Facebook (public pages), Twitter, Google+, LinkedIn, etc. together with multimedia and other online platforms like YouTube, Reddit, etc.
Tools offered: browser plugin to see altmetrics for any publication with a DOI, embedding altmetrics statistics, altmetrics API to query the database.
- [2] *BibSonomy*. URL: <https://www.bibsonomy.org>.
An online framework that allows users to collect and bookmark publications for their own usage and also tag them. This collection of publications can then be easily used to create a bibliography in various formats. Also, users can connect to each other and collaborate.
- [3] *ConnectedResearchers*. URL: <http://connectedresearchers.com/online-tools-for-researchers/>.
A list with digital tools for researchers categorized as follows: literature exploration, code and data sharing, connecting with others, writing and publishing articles and evaluating the research.
- [4] *Data Quality Vocabulary*. URL: <https://www.w3.org/TR/vocab-dqv/>.
A W3C framework that allows the description of the quality of a dataset. The quality assessments can be made by various organizations and/or people: certification agencies, data aggregators, data consumers, etc.
- [5] Jean-Claude Guéron. *Open Access: Toward the Internet of the Mind*. Budapest Open Access Initiative. URL: <http://www.budapestopenaccessinitiative.org/boai15/Untitleddocument.docx>.
- [6] *Hypothes*. URL: <https://hypothes.is/>.
An open platform that uses annotations and notes to share regarding news, blogs, scientific articles, books, etc.
- [7] *LabWorm*. URL: <https://labworm.com/>.
Search engine for online tools to assist in research.
- [8] *Linked Data Notifications*. URL: <https://www.w3.org/TR/ldn/>.
A W3C protocol that allows data to be shared across applications, independent of the data storage.

- [9] *PROV-Pings*. URL: <http://prov-pings.org>.
A web service used to link publications to their provenance. The responsibility of providing a provenance to a publication is not in the hands of the publisher anymore, but in the hands of the crowd. This is done by pushing a query with the provenance information.
PROV-AQ (Provenance Access and Query):
<publication-uri>prov:has_provenance <provenance-uri>
PROV-Pings:
<publication-uri> prov:pingback <prov-pings-uri?target=publication-uri>
<publication-uri> prov:has_query_service <prov-pings-uri>.
- [10] *Semantic Scholar*. URL: <https://www.semanticscholar.org/>.
A corpus of computer science and neuroscience papers with a search engine for the publications in its database. It can also identify missing citations using Citeomatic.

Publications by field

Semantic publishing-related only

- [2] *BibSonomy*. URL: <https://www.bibsonomy.org>.
An online framework that allows users to collect and bookmark publications for their own usage and also tag them. This collection of publications can then be easily used to create a bibliography in various formats. Also, users can connect to each other and collaborate.
- [3] *ConnectedResearchers*. URL: <http://connectedresearchers.com/online-tools-for-researchers/>.
A list with digital tools for researchers categorized as follows: literature exploration, code and data sharing, connecting with others, writing and publishing articles and evaluating the research.
- [15] Angelo Di Iorio et al. “Faceted documents: describing document characteristics using semantic lenses”. In: *International Conference on Linked Science*. Vol. 1282. LISC’14. LISC: Linked Science Conference. Riva del Garda, Italy: CEUR-WS.org, 2014, pp. 12–23. URL: dl.acm.org/ft_gateway.cfm?id=2361396.
- [7] *LabWorm*. URL: <https://labworm.com/>.
Search engine for online tools to assist in research.
- [8] *Linked Data Notifications*. URL: <https://www.w3.org/TR/ldn/>.
A W3C protocol that allows data to be shared across applications, independent of the data storage.
- [27] Silvio Peroni and David Shotton. “FaBiO and CiTO: ontologies for describing bibliographic resources and citations”. In: *Web Semantics: Science, Services and Agents on the World Wide Web* 17 (Dec. 2012), pp. 33–43. DOI: 10.1016/j.websem.2012.08.001. URL: <http://www.sciencedirect.com/science/article/pii/S1570826812000790>.

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- [9] *PROV-Pings*. URL: <http://prov-pings.org>.
 A web service used to link publications to their provenance. The responsibility of providing a provenance to a publication is not in the hands of the publisher anymore, but in the hands of the crowd. This is done by pushing a query with the provenance information.
 PROV-AQ (Provenance Access and Query):
 <publication-uri>prov:has_provenance <provenance-uri>
 PROV-Pings:
 <publication-uri> prov:pingback <prov-pings-uri?target=publication-uri>
 <publication-uri> prov:has_query_service <prov-pings-uri>.
- [32] Anita de Waard and Jodi Schneider. “Formalising uncertainty: an ontology of reasoning, certainty and attribution (ORCA)”. In: *Proceedings of the 2012 Joint International Conference on Semantic Technologies Applied to Biomedical Informatics and Individualized Medicine*. Ed. by Alejandro Rodriguez Gonzalez Centre for Plant Biotechnology et al. Vol. 930. SATBI+SWIM’12. Boston, MA, U.S.A.: CEUR-WS.org, Nov. 2012, pp. 10–17. URL: <http://dl.acm.org/citation.cfm?id=2887634>.