

Publication list - Iana Atanassova

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International peer-reviewed journals

- [1] Iana Atanassova, Marc Bertin, and Philipp Mayr. "Editorial: Mining Scientific Papers, Volume II: Knowledge Discovery and Data Exploitation". In: *Frontiers in Research Metrics and Analytics* 7 (2022). Ed. by Chaomei Chen. ISSN: 2504-0537. DOI: 10.3389/frma.2022.911070. URL: <https://www.frontiersin.org/articles/10.3389/frma.2022.911070>.
- [2] Marc Bertin and Iana Atanassova. "Preprint Citation Practice in PLOS". In: *Scientometrics* 127.12 (2022), pp. 6895–6912. DOI: 10.1007/s11192-022-04388-5. URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9186004/>.
- [3] Abdoulaye Guisse and Iana Atanassova. "Noyau Informatique CripTex pour le Traitement de Données Personnelles dans les Textes". In: *Bulletin de Linguistique Appliquée et Générale, Presses Universitaires de Franche-Comté PUFC* 40 (2022). Ed. by Sylviane Cardey, François-C Rey, and Iana Atanassova, pp. 597–612. ISSN: 0758 6787.
- [4] Nicolas Gutehrle and Iana Atanassova. "Processing the structure of documents: Logical Layout Analysis of historical newspapers in French". In: *Journal of Data Mining & Digital Humanities NLP4DH* (2022). DOI: 10.46298/jdmdh.9093. URL: <https://jdmdh.episciences.org/9614>.
- [5] Alexis Kauffmann, François-Claude Rey, Iana Atanassova, Arnaud Gaudinat, Peter Greenfield, Hélène Madinier, and Sylviane Cardey. "Indirectly Named Entity Recognition". In: *Journal of Computer-Assisted Linguistic Research (JCLR)* 5.1 (2021), pp. 27–46. DOI: 10.4995/JCLR.2021.15922. URL: <https://polipapers.upv.es/index.php/jclr/article/view/15922>.
- [6] Iana Atanassova, Marc Bertin, and Mariannig Le Béhec. "Sécuriser le traitement des traces numériques dans le cadre du Règlement général sur la protection des données (RGPD) : anonymisation et pseudonymisation". In: *I2D – Information, données & documents* (2019), pp. 55–58. ISSN: 2428-2111.
- [7] Iana Atanassova, Marc Bertin, and Philipp Mayr. "Editorial: Mining Scientific Papers: NLP-enhanced Bibliometrics". In: *Frontiers in Research Metrics and Analytics* 4 (Apr. 30, 2019). Ed. by Chaomei Chen, p. 2. ISSN: 2504-0537. DOI: 10.3389/frma.2019.00002.
- [8] Marc Bertin and Iana Atanassova. "The context of multiple in-text references and their signification". In: *International Journal on Digital Libraries* (July 2017). ISSN: 1432-1300. DOI: 10.1007/s00799-017-0225-7.
- [9] Iana Atanassova and Marc Bertin. "Temporal Properties of Recurring In-text References". In: *D-Lib Magazine* 9/10.22 (2016). ISSN: 1082-9873. DOI: 10.1045/september2016-atanassova.
- [10] Iana Atanassova, Marc Bertin, and Vincent Larivière. "On the composition of scientific abstracts". In: *Journal of Documentation* 72.4 (2016), pp. 636–647. ISSN: 0022-0418. DOI: 10.1108/JDOC-09-2015-0111.
- [11] Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. "The Invariant Distribution of References in Scientific Articles". In: *Journal of the Association for Information Science and Technology (JASIST)* 67.1 (2016), pp. 164–177. ISSN: 2330-1643. DOI: 10.1002/asi.23367.
- [12] Marc Bertin, Iana Atanassova, Cassidy R. Sugimoto, and Vincent Larivière. "The Linguistic Patterns and Rhetorical Structure of Citation Context: an approach using n-grams." In: *Scientometrics* 3.109 (2016), pp. 1417–1434. ISSN: 0138-9130. DOI: 10.1007/s11192-016-2134-8.
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- [15] Marc Bertin and Iana Atanassova. "Semantic Enrichment of Scientific Publications and Metadata: Citation Analysis Through Contextual and Cognitive Analysis". In: *D-Lib Magazine* 18.7/8 (July 2012). ISSN: 1082-9873. DOI: doi:10.1045/july2012-bertin.

■ Book chapters

- [16] Iana Atanassova and Marc Bertin. "Semantic Web Evaluation Challenge: SemWebEval 2014 at ESWC 2014". In: *Communications in Computer and Information Science*. Ed. by Valentina Presutti et al. Springer, May 2014. Chap. Semantic Facets for Scientific Information Retrieval, pp. 108–113. ISBN: 978-3-319-12024-9.
- [17] Marc Bertin and Iana Atanassova. "Semantic Web Evaluation Challenge: SemWebEval 2014 at ESWC 2014". In: *Communications in Computer and Information Science*. Ed. by Valentina Presutti et al. Springer, May 2014. Chap. Extraction and Characterization of Citations in Scientific Papers, pp. 120–128. ISBN: 978-3-319-12024-9.
- [18] Jean-Pierre Desclés, Florence Le Priol, Motasem Alrahabi, Iana Atanassova, and Marc Bertin. "Fouille sémantique des thèses en ligne". In: *Traitement automatique des langues naturelles: de l'analyse à l'application (Cognition et traitement de l'information). Recherche - Technologie - Applications (RTA)*. Ed. by Ismaïl Biskri and Adel Jebali. Cognition et traitement de l'information. Hermes Science Publications, 2011, pp. 77–108. ISBN: 9782746231382.

■ Editor of special issues of journals

- [19] "Mining Scientific Papers Volume II: Knowledge Discovery and Data Exploitation". In: *Frontiers in Research Metrics and Analytics*. Ed. by Iana Atanassova, Marc Bertin, and Philipp Mayr. 2022. URL: <https://www.frontiersin.org/research-topics/13388/mining-scientific-papers-volume-ii-knowledge-discovery-and-data-exploitation>.
- [20] "Mining Scientific Papers: NLP-enhanced Bibliometrics". In: *Frontiers in Research Metrics and Analytics*. Ed. by Iana Atanassova, Marc Bertin, and Philipp Mayr. Apr. 30, 2019. DOI: 10.3389/frma.2019.00002.

■ Editor of conference proceedings

- [21] Iana Atanassova, Marc Bertin, and Philipp Mayr, eds. *Second Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics (CLBib 2017)*. Vol. 2004. ISSN: 1613-0073. Wuhan, China, Oct. 2017, pp. 1–48.
- [22] Iana Atanassova, Wajdi Zaghouni, Bruno Kragić, Kuldar Aas, Hrvoje Stančić, and Sanja Seljan, eds. *INFuture2017 - Integrating ICT in Society*. ISSN: 1847-8220. Department of Information and Communication Sciences, Faculty of Humanities and Social Sciences, University of Zagreb and The Miroslav Krleža Institute of Lexicography. Zagreb, Croatia, Nov. 2017.
- [23] Iana Atanassova, Marc Bertin, and Philipp Mayr, eds. *First Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics (CLBib 2015)*. Vol. 1384. ISSN: 1613-0073. Istanbul, Turkey, June 2015, pp. 1–49.
- [24] Jovan Kostov, Izabella Thomas, and Iana Atanassova, eds. *Atelier "Traitement Automatique des Langues Slaves" (TASLA)*. 22^e Conférence sur le Traitement Automatique des Langues Naturelles (TALN 2015). Caen, June 22, 2015.

■ Keynote talks

- [25] Iana Atanassova. "Beyond Metadata: the New Challenges in Mining Scientific Papers (Keynote talk)". In: *8th International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2019) co-located with 41st European Conference on Information Retrieval (ECIR 2019)*. Cologne, Germany, Apr. 2019.
- [26] Iana Atanassova. "Information retrieval and semantic annotation of scientific corpora (Keynote speech)". In: *6th International Conference The Future of Information Sciences (INFuture) - Integrating ICT in Society*. Department of Information and Communication Sciences Faculty of Humanities and Social Sciences, University of Zagreb and The Miroslav Krleža Institute of Lexicography. Zagreb, Croatia, Nov. 2017.

■ International conferences and workshops

- [27] Iana Atanassova and Marc Bertin. "Multilinguism in References: a study of the ISTEK Dataset". In: *19th International Conference of the International Society for Scientometrics and Informetrics (ISSI 2023)*. Bloomington, Indiana, US, July 2023.
- [28] Marc Bertin and Iana Atanassova. "Citing Foreign Language Sources: an Analysis of the S2ORC Dataset". In: *10th International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2023) co-located with the European Conference on Information Retrieval (ECIR 2023)*. Dublin, Ireland, 2023.
- [29] Marc Bertin and Iana Atanassova. "Contextual Analysis of Citations in Context Using Rule-Based Approaches. Best Soups are Made in Old Pots". In: *19th International Conference of the International Society for Scientometrics and Informetrics (ISSI 2023)*. Bloomington, Indiana, US, July 2023.
- [30] Panggih Kusuma Ningrum and Iana Atanassova. "Scientific Uncertainty: an Annotation Framework and Corpus Study in Different Disciplines". In: *19th International Conference of the International Society for Scientometrics and Informetrics (ISSI 2023)*. Bloomington, Indiana, US, July 2023.
- [31] Walid El Abed, Hélène Madinier, Thierry Bregnard, and Iana Atanassova. "Semantically-Driven Knowledge Modelling for the Business Ecosystem". In: *International Forum on Knowledge Asset Dynamics - IFKAD, Managing Knowledge for Sustainability* (Lugano, Switzerland). 2022.
- [32] Salah Yahiaoui and Iana Atanassova. "TimeInfo : a Semantic Annotation Framework for Temporal Information in Scientific Papers". In: *Terminology & Ontology: Théories and applications (TOTh 2022)*. 2022.
- [33] Iana Atanassova, Sylviane Cardey-Greenfield, Hélène Madinier, and Walid El Abed. "Identification et gestion des données personnelles dans les textes". In: *CiDE.22 : 22^{ème} édition du Colloque International sur le Document Electronique Données Documents Connaissances : Perspectives de recherche et d'enseignement*. Paris, France, 2021.
- [34] Marc Bertin and Iana Atanassova. "Enjeux de l'étude des contextes citationnels dans le cadre des études bibliométriques : contextes de citation et blocs citationnels". In: *CiDE.22 : 22^{ème} édition du Colloque International sur le Document Electronique Données Documents Connaissances : Perspectives de recherche et d'enseignement*. Paris, France, 2021.
- [35] Marc Bertin and Iana Atanassova. "The Place of Preprint Citations in the IMRaD Structure: a Study of PLOS Journals". In: *18th International Conference of the International Society for Scientometrics and Informetrics (ISSI 2021)*. Leuven, Belgium, 2021.
- [36] Nicolas Gutehrle and Iana Atanassova. "Logical Layout Analysis Applied to Historical Newspapers". In: *Workshop on Natural Language Processing for Digital Humanities (NLP4DH) co-located with ICON 2021*. Dec. 2021.
- [37] Mariannig Le Béhec and Iana Atanassova. "Data Papers et dissémination des données de la recherche : quelles pratiques en SHS ?" In: *Colloque DHNord2021 : Publier, partager, réutiliser les données de la recherche : les data papers et leurs enjeux*. France, Nov. 2021.
- [38] Iana Atanassova, Gan Jin, Ibrahim Soumana, Peter Greenfield, and Sylviane Cardey-Greenfield. "Semantically-driven Competitive Intelligence Information Extraction: linguistic model and application". In: *The Eleventh International Conference on Creative Content Technologies (CONTENT 2019)*. Venice, Italy, 2019.
- [39] Marc Bertin, Pierre Jonin, Frederic Armetta, and Iana Atanassova. "Determining Citation Blocks using End-to-end Neural Coreference Resolution Model". In: *17th International Conference of the International Society for Scientometrics and Informetrics (ISSI 2019)*. Rome, Italie, Sept. 2019.
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- [41] Youcef Ihab Morsi and Iana Atanassova. "Analyse morphosyntaxique de l'arabe par une approche linguistique". In: *Terminology & Ontology: Théories and applications (TOTh 2019)*. Chambéry, France, June 2019.

- [42] Julien Perier-Camby, Marc Bertin, Iana Atanassova, and Frédéric Armetta. "A preliminary study to compare deep learning with rule-based approaches for citation classification". In: *8th International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2019) co-located with the 41st European Conference on Information Retrieval (ECIR 2019)*. Vol. 2345. Cologne, Germany, Apr. 2019, pp. 125–131.
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- [44] Marc Bertin and Iana Atanassova. "InTeReC: In-text Reference Corpus for Applying Natural Language Processing to Bibliometrics". In: *7th International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2018) in conjunction with the 40th European Conference on Information Retrieval (ECIR 2018)*. Grenoble, France, Mar. 2018.
- [45] Marc Bertin and Iana Atanassova. "Recommending Scientific Papers: The Role of Citation Contexts". In: *1st International Conference on Digital Tools & Uses Congress*. Paris, France: ACM, Oct. 2018, pp. 1–4. DOI: 10.1145/3240117.3240123.
- [46] François-C. Rey, Marc Bertin, and Iana Atanassova. "Une étude de l'incertitude dans les textes scientifiques : vers la construction d'une ontologie". In: *Terminology & Ontology: Theories and applications (TOTh 2018)*. Chambéry, France, June 2018.
- [47] Iana Atanassova, Marc Bertin, and Philipp Mayr. "Editorial for the Second Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics (CLBib 2017)". In: *Second Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics co-located with 16th International Conference of the International Society for Scientometrics and Informetrics (ISSI 2017)*. Wuhan, China, Oct. 2017.
- [48] Marc Bertin and Iana Atanassova. "K-means and Hierarchical Clustering Method to Improve our Understanding of Citation Contexts". In: *Proceedings of the 2nd Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2017) co-located with the 40th International ACM SIGIR Conference*. Vol. 1888. Tokyo, Japan, Aug. 2017, pp. 107–112.
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- [50] Iana Atanassova, Marc Bertin, Sylviane Cardey, and Peter Greenfield. "Interfacing the Domain of Global Security with Natural Language Processing: the Role of Language Modelling". In: *The Tenth International Conference on Natural Language Processing (HrTAL 2016)*. Vol. 42. Suvremena lingvistika 82. Dubrovnik, Croatia, Sept. 2016, pp. 249–252.
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- [52] Marc Bertin and Iana Atanassova. "Weak Links and Strong Meaning: The Complex Phenomenon of Negational Citations". In: *Bibliometric-enhanced Information Retrieval (BIR 2016) co-located with the 38th European Conference on Information Retrieval (ECIR 2016)*. Ed. by Philipp Mayr, Ingo Frommholz, and Guillaume Cabanac. Vol. Vol-1567. Padova, Italy: CEUR Workshop Proceedings, Mar. 2016, pp. 14–25.
- [53] Youcef Ihab Morsi, Yves Bordet, and Iana Atanassova. "Étude lexicale de textes arabes pour l'évaluation automatique de la complexité textuelle". In: *7^e Colloque International en Traductologie et TAL (TRADETAL 2016)*. Oran, Algeria, May 2016.
- [54] François-C. Rey, Izabella Thomas, and Iana Atanassova. "Génération d'exercices d'apprentissage de langue de spécialité par l'exploration du corpus". In: *Atelier Enseignement des langues et TAL (ELTAL)*. Vol. 9. Actes de la conférence conjointe JEP-TALN-RECITAL 2016. Inalco. Paris, France, July 2016.

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- [62] Iana Atanassova and Marc Bertin. "Faceted Semantic Search for Scientific Papers". In: *Semantic Publishing Challenge co-located with 11th European Semantic Web Conference (ESWC 2014)*. Anissaras, Greece, May 2014.
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- [64] Marc Bertin and Iana Atanassova. "Hybrid Approach for the Semantic Processing of Scientific Papers". In: *Semantic Publishing Challenge co-located with 11th European Semantic Web Conference (ESWC 2014)*. Anissaras, Crete, Greece, May 2014.
- [65] Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. "The distribution of references in scientific papers: An analysis of the IMRaD structure". In: *14th International Conference of the International Society for Scientometrics and Informetrics (ISSI 2013)*. Vol. 1. Vienne, Austria, July 2013, pp. 591–603.
- [66] Iana Atanassova, Marc Bertin, and Jean-Pierre Desclés. "Ordonnement des réponses pour une recherche d'information sémantique à partir d'une ontologie discursive". In: *Quatrième Atelier Recherche d'Information SEmantique (RISE 2012) co-located with 12^e Conférence Internationale Francophone sur l'Extraction et la Gestion des Connaissances (EGC 2012)*. Ed. by Roussey Catherine and Chevallet Jean-Pierre. Bordeaux, France, Jan. 2012.
- [67] Marc Bertin and Iana Atanassova. "Semantic Enrichment of Scientific Publications and Metadata". In: *1st International Workshop on Mining Scientific Publications (WOSP 2012) co-located with ACM/IEEE Joint Conference on Digital Libraries (JCDL 2012)*. Petr Knoth and Zdenek Zdrahal and Andreas Juffinger. Washington DC, United States, June 2012.
- [68] Marc Bertin, Iana Atanassova, and Jean-Pierre Desclés. "Outils de fouille textuelle à partir d'annotations sémantiques. Démonstration de logiciels". In: *12^e Conférence Internationale Francophone sur l'Extraction et la Gestion des Connaissances (EGC 2012)*. Bordeaux, France, Jan. 2012.

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■ National conferences and workshops

- [73] Iana Atanassova, Inés Hatira, Camélia El Cadi, and Sylviane Cardey-Greenfield. "Création d'une langue contrôlée pour les messages en français et en anglais à destination des piétons pour la mobilité urbaine". In: *FUTURMOB-17: Préparer la transition vers la mobilité autonome*. Université Bourgogne Franche-Comté and Université de Technologie de Belfort Montbéliard. Montbéliard, France, Sept. 2017.
- [74] Nicolas Guterhlé, Iana Atanassova, and Sylviane Cardey-Greenfield. "Langue contrôlée pour un système de messages et alertes dans un environnement de mobilité : gestion de l'ambiguïté phonologique". In: *FUTURMOB-17: Préparer la transition vers la mobilité autonome*. Université Bourgogne Franche-Comté and Université de Technologie de Belfort Montbéliard. Montbéliard, France, Sept. 2017.
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■ Communications

- [77] Iana Atanassova, Thierry Bregnard, Walid El Abed, Hitoshi Isahara, and Sylviane Cardey. "Personal Data in Texts: Detection, Annotation and Governance". In: *Panel in Computers, Privacy and Data Protection (CPDP) Conference (Brussels, Belgium)*. 2022. URL: <https://www.cpdpcferences.org/cpdpc-panels/personal-data-in-texts-detection-annotation-and-governance>.
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- [83] Iana Atanassova. "De l'intuition scientifique au moment de l'illumination : étude de "Théorème vivant" par Cédric Villani". In: *Eurêka ! Le récit savant de découverte et/ou d'invention*. Université de Franche-Comté and Centre de Recherches Interdisciplinaires et Transculturelles C.R.I.T. (EA 3224). Besançon, France, Nov. 2018.
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