List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6969138/publications.pdf Version: 2024-02-01



MIN SONC

#	Article	IF	CITATIONS
1	Visualizing a field of research: A methodology of systematic scientometric reviews. PLoS ONE, 2019, 14, e0223994.	1.1	528
2	Contentâ€based citation analysis: The next generation of citation analysis. Journal of the Association for Information Science and Technology, 2014, 65, 1820-1833.	1.5	160
3	Content-based author co-citation analysis. Journal of Informetrics, 2014, 8, 197-211.	1.4	134
4	Topic-based content and sentiment analysis of Ebola virus on Twitter and in the news. Journal of Information Science, 2016, 42, 763-781.	2.0	97
5	Building a PubMed knowledge graph. Scientific Data, 2020, 7, 205.	2.4	94
6	PKDE4J: Entity and relation extraction for public knowledge discovery. Journal of Biomedical Informatics, 2015, 57, 320-332.	2.5	88
7	Integration of association rules and ontologies for semantic query expansion. Data and Knowledge Engineering, 2007, 63, 63-75.	2.1	70
8	Detecting the knowledge structure of bioinformatics by mining full-text collections. Scientometrics, 2013, 96, 183-201.	1.6	66
9	Entitymetrics: Measuring the Impact of Entities. PLoS ONE, 2013, 8, e71416.	1.1	66
10	The funding factor: a cross-disciplinary examination of the association between research funding and citation impact. Scientometrics, 2018, 115, 369-384.	1.6	59
11	Novel Recommendation Based on Personal Popularity Tendency. , 2011, , .		54
12	Building the process-drug–side effect network to discover the relationship between biological Processes and side effects. BMC Bioinformatics, 2011, 12, S2.	1.2	54
13	Standing on the shoulders of giants. Journal of Informetrics, 2017, 11, 307-323.	1.4	53
14	Analyzing topic evolution in bioinformatics: investigation of dynamics of the field with conference data in DBLP. Scientometrics, 2014, 101, 397-428.	1.6	51
15	An adaptable fine-grained sentiment analysis for summarization of multiple short online reviews. Data and Knowledge Engineering, 2017, 110, 54-67.	2.1	50
16	Incorporating product description to sentiment topic models for improved aspect-based sentiment analysis. Information Sciences, 2018, 454-455, 200-215.	4.0	47
17	Mining of Textual Health Information from Reddit: Analysis of Chronic Diseases With Extracted Entities and Their Relations. Journal of Medical Internet Research, 2019, 21, e12876.	2.1	46
18	Content- and proximity-based author co-citation analysis using citation sentences. Journal of Informetrics, 2016, 10, 954-966.	1.4	45

#	Article	IF	CITATIONS
19	Analyzing the Political Landscape of 2012 Korean Presidential Election in Twitter. IEEE Intelligent Systems, 2014, 29, 18-26.	4.0	43
20	Developing a hybrid dictionary-based bio-entity recognition technique. BMC Medical Informatics and Decision Making, 2015, 15, S9.	1.5	43
21	Monolingual and multilingual topic analysis using LDA and BERT embeddings. Journal of Informetrics, 2020, 14, 101055.	1.4	35
22	KPSpotter. , 2003, , .		33
23	Representing Scientific Knowledge. , 2017, , .		33
24	Exploring author name disambiguation on PubMed-scale. Journal of Informetrics, 2015, 9, 924-941.	1.4	32
25	Opinion polarity detection in Twitter data combining shrinkage regression and topic modeling. Journal of Informetrics, 2016, 10, 634-644.	1.4	31
26	A scalable and adaptive method for finding semantically equivalent cue words of uncertainty. Journal of Informetrics, 2018, 12, 158-180.	1.4	31
27	Time gap analysis by the topic model-based temporal technique. Journal of Informetrics, 2014, 8, 776-790.	1.4	27
28	Identifying the landscape of Alzheimer's disease research with network and content analysis. Scientometrics, 2015, 102, 905-927.	1.6	27
29	Text Categorization of Biomedical Data Sets Using Graph Kernels and a Controlled Vocabulary. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 1211-1217.	1.9	26
30	A comparison study on algorithms of detecting long forms for short forms in biomedical text. BMC Bioinformatics, 2007, 8, S5.	1.2	25
31	Author creditâ€assignment schemas: A comparison and analysis. Journal of the Association for Information Science and Technology, 2016, 67, 1973-1989.	1.5	25
32	A Study on Opinion Mining of Newspaper Texts based on Topic Modeling. Journal of the Korean Society for Library and Information Science, 2013, 47, 315-334.	0.0	25
33	Discovering Implicit Entity Relation with the Gene-Citation-Gene Network. PLoS ONE, 2013, 8, e84639.	1.1	23
34	Subject–method topic network analysis in communication studies. Scientometrics, 2016, 109, 1761-1787.	1.6	23
35	Generation and application of drug indication inference models using typed network motif comparison analysis. BMC Medical Informatics and Decision Making, 2013, 13, S2.	1.5	21
36	Productivity and influence in bioinformatics: A bibliometric analysis using PubMed central. Journal of the Association for Information Science and Technology, 2014, 65, 352-371.	1.5	21

#	Article	IF	CITATIONS
37	Relation extraction for biological pathway construction using node2vec. BMC Bioinformatics, 2018, 19, 206.	1.2	21
38	Keyphrase extraction-based query expansion in digital libraries. , 2006, , .		20
39	Identifying Liver Cancer and Its Relations with Diseases, Drugs, and Genes: A Literature-Based Approach. PLoS ONE, 2016, 11, e0156091.	1.1	20
40	Combining active learning and semi-supervised learning techniques to extract protein interaction sentences. BMC Bioinformatics, 2011, 12, S4.	1.2	19
41	Metabolites distinguishing visceral fat obesity and atherogenic traits in individuals with overweight. Obesity, 2017, 25, 323-331.	1.5	19
42	Pandemics are catalysts of scientific novelty: Evidence from <scp>COVID</scp> â€19. Journal of the Association for Information Science and Technology, 2022, 73, 1065-1078.	1.5	19
43	Tracing database usage: Detecting main paths in database link networks. Journal of Informetrics, 2015, 9, 1-15.	1.4	18
44	The landscape of smart aging: Topics, applications, and agenda. Data and Knowledge Engineering, 2018, 115, 68-79.	2.1	18
45	Topic diffusion analysis of a weighted citation network in biomedical literature. Journal of the Association for Information Science and Technology, 2018, 69, 329-342.	1.5	18
46	Predicting biomedical relationships using the knowledge and graph embedding cascade model. PLoS ONE, 2019, 14, e0218264.	1.1	18
47	Discovering context-specific relationships from biological literature by using multi-level context terms. BMC Medical Informatics and Decision Making, 2012, 12, S1.	1.5	17
48	Topic-Network based Topic Shift Detection on Twitter. Journal of the Korean Society for Information Management, 2013, 30, 285-302.	0.0	17
49	Visualization in information retrieval: a three-level analysis. Journal of Information Science, 2000, 26, 3-19.	2.0	16
50	Detecting duplicate biological entities using Shortest Path Edit Distance. International Journal of Data Mining and Bioinformatics, 2010, 4, 395.	0.1	16
51	Understanding the evolving academic landscape of library and information science through faculty hiring data. Scientometrics, 2016, 108, 1461-1478.	1.6	15
52	Analyzing the field of bioinformatics with the multi-faceted topic modeling technique. BMC Bioinformatics, 2017, 18, 251.	1.2	15
53	Examining influential factors for acknowledgements classification using supervised learning. PLoS ONE, 2020, 15, e0228928.	1.1	15
54	Analyzing knowledge entities about COVID-19 using entitymetrics. Scientometrics, 2021, 126, 4491-4509.	1.6	15

#	Article	IF	CITATIONS
55	Enriching plausible new hypothesis generation in PubMed. PLoS ONE, 2017, 12, e0180539.	1.1	15
56	Understanding Drug Repurposing From the Perspective of Biomedical Entities and Their Evolution: Bibliographic Research Using Aspirin. JMIR Medical Informatics, 2020, 8, e16739.	1.3	15
57	Analysis of E-mental health research: mapping the relationship between information technology and mental healthcare. BMC Psychiatry, 2022, 22, 57.	1.1	15
58	Combining Supervised Learning Techniques to Key-Phrase Extraction for Biomedical Full-Text. International Journal of Intelligent Information Technologies, 2011, 7, 33-44.	0.5	14
59	Text Mining with the Stanford CoreNLP. , 2014, , 215-234.		14
60	SemPathFinder: Semantic path analysis for discovering publicly unknown knowledge. Journal of Informetrics, 2015, 9, 686-703.	1.4	14
61	Mapping the landscape of cerebral amyloid angiopathy research: an informetric analysis perspective. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 252-259.	0.9	14
62	MKEM: a Multi-level Knowledge Emergence Model for mining undiscovered public knowledge. BMC Bioinformatics, 2010, 11, S3.	1.2	13
63	Discovering New Genes in the Pathways of Common Sporadic Neurodegenerative Diseases: A Bioinformatics Approach. Journal of Alzheimer's Disease, 2016, 51, 293-312.	1.2	13
64	Establishing a baseline for literature mining human genetic variants and their relationships to disease cohorts. BMC Medical Informatics and Decision Making, 2016, 16, 68.	1.5	13
65	Biomedical text categorization with concept graph representations using a controlled vocabulary. , 2012, , .		12
66	A Bird's-Eye View of Alzheimer's Disease Research: Reflecting Different Perspectives of Indexers, Authors, or Citers in Mapping the Field. Journal of Alzheimer's Disease, 2015, 45, 1207-1222.	1.2	12
67	Network-based approach to detect novelty of scholarly literature. Information Sciences, 2018, 422, 542-557.	4.0	12
68	Understanding the evolution of multiple scientific research domains using a content and network approach. Journal of the Association for Information Science and Technology, 2013, 64, 1065-1075.	2.6	11
69	RT^2M: Real-Time Twitter Trend Mining System. , 2013, , .		10
70	Mapping biological entities using the longest approximately common prefix method. BMC Bioinformatics, 2014, 15, 187.	1.2	10
71	The evolution of social health research topics: A data-driven analysis. Social Science and Medicine, 2020, 265, 113299.	1.8	10
72	Exploring characteristics of highly cited authors according to citation location and content. Journal of the Association for Information Science and Technology, 2017, 68, 1975-1988.	1.5	10

#	Article	IF	CITATIONS
73	Topic Modeling: Measuring Scholarly Impact Using a Topical Lens. , 2014, , 235-257.		10
74	Fast max-margin clustering for unsupervised word sense disambiguation in biomedical texts. BMC Bioinformatics, 2009, 10, S4.	1.2	9
75	Detecting duplicate biological entities using Markov random field-based edit distance. Knowledge and Information Systems, 2010, 25, 371-387.	2.1	9
76	Exploring characteristics of video consuming behaviour in different social media using K-pop videos. Journal of Information Science, 2014, 40, 806-822.	2.0	9
77	Ensemble analysis of topical journal ranking in bioinformatics. Journal of the Association for Information Science and Technology, 2017, 68, 1564-1583.	1.5	9
78	Topology-driven trend analysis for drug discovery. Journal of Informetrics, 2018, 12, 893-905.	1.4	9
79	Developing a supervised learning-based social media business sentiment index. Journal of Supercomputing, 2020, 76, 3882-3897.	2.4	9
80	Finding rising stars in bibliometric networks. Scientometrics, 2020, 124, 633-661.	1.6	9
81	Semisupervised sentiment analysis method for online text reviews. Journal of Information Science, 2021, 47, 387-403.	2.0	9
82	Grounded Feature Selection for Biomedical Relation Extraction by the Combinative Approach. , 2014, , .		8
83	Investigating the integrated landscape of the intellectual topology of bioinformatics. Scientometrics, 2014, 101, 309-335.	1.6	8
84	Comparative evaluation of bibliometric content networks by tomographic content analysis: An application to Parkinson's disease. Journal of the Association for Information Science and Technology, 2017, 68, 1295-1307.	1.5	8
85	An application of convolutional neural networks with salient features for relation classification. BMC Bioinformatics, 2019, 20, 244.	1.2	8
86	A context-based ABC model for literature-based discovery. PLoS ONE, 2019, 14, e0215313.	1.1	8
87	Inferring Drug-Protein–Side Effect Relationships from Biomedical Text. Genes, 2019, 10, 159.	1.0	8
88	Incorporating citation impact into analysis of research trends. Scientometrics, 2020, 124, 1191-1224.	1.6	8
89	A network embedding-based scholar assessment indicator considering four facets: Research topic, author credit allocation, field-normalized journal impact, and published time. Journal of Informetrics, 2021, 15, 101201.	1.4	8
90	Trajectory analysis of drug-research trends in pancreatic cancer on PubMed and ClinicalTrials.gov. Journal of Informetrics, 2016, 10, 273-285.	1.4	7

#	Article	IF	CITATIONS
91	Rs3761389 polymorphism in autoimmune regulator ( AIRE ) gene is associated with susceptibility of myasthenia gravis in Chinese patients. Journal of Clinical Neuroscience, 2017, 40, 180-184.	0.8	7
92	Investigating drug–disease interactions in drug–symptom–disease triples via citation relations. Journal of the Association for Information Science and Technology, 2018, 69, 1355-1368.	1.5	7
93	Measuring the Impact of Topic Drift in Scholarly Networks. , 2018, , .		7
94	Application of Public Knowledge Discovery Tool (PKDE4J) to Represent Biomedical Scientific Knowledge. Frontiers in Research Metrics and Analytics, 2018, 3, .	0.9	7
95	Combining entity co-occurrence with specialized word embeddings to measure entity relation in Alzheimer's disease. BMC Medical Informatics and Decision Making, 2019, 19, 240.	1.5	7
96	Toward a Coronavirus Knowledge Graph. Genes, 2021, 12, 998.	1.0	7
97	Detecting Duplicate Biological Entities Using Markov Random Field-Based Edit Distance. , 2008, , .		6
98	A Dynamic and Semantically-Aware Technique for Document Clustering in Biomedical Literature. International Journal of Data Warehousing and Mining, 2009, 5, 44-57.	0.4	6
99	Detecting evolution of bioinformatics with a content and co-authorship analysis. SpringerPlus, 2013, 2, 186.	1.2	6
100	EPHA6 rs4857055 C > T polymorphism associates with hypertension through triglyceride and LDL particle size in the Korean population. Lipids in Health and Disease, 2017, 16, 230.	1.2	6
101	IL-4Rα Polymorphism Is Associated With Myasthenia Gravis in Chinese Han Population. Frontiers in Neurology, 2018, 9, 529.	1.1	6
102	Adopting Text Mining on Rehabilitation Therapy Repositioning for Stroke. Frontiers in Neuroinformatics, 2019, 13, 17.	1.3	6
103	A data-driven analysis of the knowledge structure of library science with full-text journal articles. Journal of Librarianship and Information Science, 2020, 52, 345-365.	1.6	6
104	Literature based discovery of alternative TCM medicine for adverse reactions to depression drugs. BMC Bioinformatics, 2020, 21, 405.	1.2	6
105	Exploring scientific trajectories of a large-scale dataset using topic-integrated path extraction. Journal of Informetrics, 2022, 16, 101242.	1.4	6
106	Mining the evolutionary process of knowledge through multiple relationships between keywords. Scientometrics, 2022, 127, 2023-2053.	1.6	6
107	CGM: A biomedical text categorization approach using concept graph mining. , 2009, , .		5
108	A prototype application for real-time recognition and disambiguation of clinical abbreviations. , 2013, ,		5

#	Article	IF	CITATIONS
109	Identifying the topology of the <scp>K</scp> â€pop video community on <scp>Y</scp> ou <scp>T</scp> ube: A combined <scp>C</scp> oâ€comment analysis approach. Journal of the Association for Information Science and Technology, 2015, 66, 2580-2595.	1.5	5
110	Coherence analysis of research and education using topic modeling. Scientometrics, 2015, 102, 1119-1137.	1.6	5
111	BioPREP: Deep learning-based predicate classification with SemMedDB. Journal of Biomedical Informatics, 2021, 122, 103888.	2.5	5
112	Biomedical concept extraction using concept graphs and ontology-based mapping. , 2010, , .		4
113	An Ontology-Based Approach to Sentiment Classification of Mixed Opinions in Online Restaurant Reviews. Lecture Notes in Computer Science, 2013, , 95-108.	1.0	4
114	Data-driven Pattern Analysis of Acknowledgments in the Biomedical Domain. Data and Information Management, 2017, 1, 35-48.	0.7	4
115	Weighted Subject - Method Network Analysis of Library and Information Science Studies. Journal of the Korean Society for Library and Information Science, 2015, 49, 457-488.	0.0	4
116	Cerebral Amyloid Angiopathy Research: On the Verge of an Explosion?. International Journal of Stroke, 2015, 10, E47-E48.	2.9	3
117	Exploring concept graphs for biomedical literature mining. , 2015, , .		3
118	Examining drug and side effect relation using author–entity pair bipartite networks. Journal of Informetrics, 2020, 14, 100999.	1.4	3
119	Shortest Path Edit Distance for Enhancing UMLS Integration and Audit. AMIA Annual Symposium proceedings, 2010, 2010, 697-701.	0.2	3
120	Design and Development of a Cross Search Engine for Multiple Heterogeneous Databases Using UML and Design Patterns. Information Systems Frontiers, 2004, 6, 77-90.	4.1	2
121	Inferring hidden relationships from biological literature with multi-level context terms. , 2011, , .		2
122	Extracting biomedical concepts from fulltext by relative importance in a graph model. , 2011, , .		2
123	Personalized query expansion in the QIC system. , 2012, , .		2
124	TNMCA. , 2012, , .		2
125	Relationship between changes in polyunsaturated fatty acids and aging-related arterial stiffness in overweight subjects 50Âyears or older over a 3-year period. Journal of Clinical Lipidology, 2017, 11, 185-194.e2.	0.6	2
126	An Attention Model With Transfer Embeddings to Classify Pneumonia-Related Bilingual Imaging Reports: Algorithm Development and Validation. JMIR Medical Informatics, 2021, 9, e24803.	1.3	2

#	Article	IF	CITATIONS
127	A Trend Analysis of Domain-Specific Literatures with Content and Co-author Network Similarity. Lecture Notes in Computer Science, 2012, , 73-76.	1.0	2
128	Understanding the Correlations between Social Attention and Topic Trends of Scientific Publications. Journal of Data and Information Science, 2017, 1, 28-49.	0.5	2
129	KXtractor: An Effective Biomedical Information Extraction Technique Based on Mixture Hidden Markov Models. Lecture Notes in Computer Science, 2005, , 68-81.	1.0	2
130	MKEM., 2009,,.		1
131	An outcome discovery system to determine mortality factors in primary care facilities. , 2009, , .		1
132	Text Mining for Bioinformatics: State of the Art Review. , 2009, , .		1
133	Supplementing virtual documents with just-in-time hypermedia functionality. International Journal on Digital Libraries, 2010, 11, 155-168.	1.1	1
134	Shortest path edit distance for detecting duplicate biological entities. , 2010, , .		1
135	Concept chaining utilizing meronyms in text characterization. , 2012, , .		1
136	Seeking beyond with <scp>IntegraL</scp> : A user study of senseâ€making enabled by anchorâ€based virtual integration of library systems. Journal of the Association for Information Science and Technology, 2013, 64, 1927-1945.	2.6	1
137	Workshop summary for the 2013 international workshop on mining unstructured big data using natural language processing. , 2013, , .		1
138	Evolving trends in cerebral amyloid angiopathy research themes: Insights from medical subject heading analysis. Journal of the Neurological Sciences, 2015, 357, 341-342.	0.3	1
139	Characterizing user interest in NoSQL databases of social question and answer data. Journal of Supercomputing, 2020, 76, 3866-3881.	2.4	1
140	Exploring the research landscape of data warehousing and mining based on DaWaK Conference full-text articles. Data and Knowledge Engineering, 2021, 135, 101926.	2.1	1
141	Exploring Context-Sensitive Query Reformulation in a Biomedical Digital Library. Lecture Notes in Computer Science, 2015, , 94-106.	1.0	1
142	Two layer-based trajectory analysis of the research trend in automotive fuel industry. Scientometrics, 2020, 124, 1701-1719.	1.6	1
143	Reply to issues about entitymetrics and paper-entity citation network. Scientometrics, 2022, 127, 2127-2129.	1.6	1
144	Interactive visualization system with multidimensional scaling. Proceedings of the American Society for Information Science and Technology, 2005, 39, 562-563.	0.2	0

IF # ARTICLE CITATIONS Designing and developing an automatic interactive keyphrase extraction system with Unified Modeling Language (UML). Proceedings of the American Society for Information Science and Technology, 2005, 145 41, 367-372. A Hybrid Abbreviation Extraction Technique for Biomedical Literature., 2007, , . 146 0 Automatic Query Expansion with Keyphrases and POS Phrase Categorization for Effective Biomedical Text Mining. , 0, , 197-207. IntegraL: Lightweight Link-Based Integration of Heterogeneous Digital Library Collections and Services in the Deep Web. Advanced Issues of E-Commerce and Web-Based Information Systems 148 0.0 0 (WECWIS), International Workshop on, 2008, , . LFXtractor: Text chunking for long form detection from biomedical text. International Journal of 149 0.4 Functional Informatics and Personalised Medicine, 2010, 3, 89. 150 DTMBIO 2011., 2011, , . 0 Developing a concept extraction technique with ensemble pathway., 2011,,. A technique for suggesting related Wikipedia articles using link analysis., 2012, , . 152 0 DTMBIO 2012., 2012, , . 154 Mapping the field of Bioinformatics with a content and co-authorship analysis., 2012,,. 0 DTMBIO 2013., 2013, , . 156 DTMBIO 2014., 2014, , . 0 Investigating socio-cultural behavior of users reflected in different social channels on K-pop., 2014,, Exploring Cerebral Small Vessel Disease Research Using Informetrics: A First Glimpse into 158 2.9 0 Microbleeds. International Journal of Stroke, 2015, 10, E87-E88. Finding the Differences between the Perceptions of Experts and the Public in the Field of Diabetes., 2015, , . Exploring perceptual differences of experts and the public on diabetes., 2016,,. 160 0 Literature-Based Discovery., 2017,, 263-281. Characterizing the psychiatric drug responses of Reddit users from a socialomics perspective. Journal 162 1.4 0 of Informetrics, 2020, 14, 101056.

**MIN SONG** 

#	ARTICLE	IF	CITATIONS
163	AUTOMATIC UNSUPERVISED KEYPHRASE-BASED QUERY EXPANSION FOR BIOMEDICAL DOMAIN. , 2005, , .		О
164	Discovering biological processes and side effects relationship using the process-drug-side effect network. , 2010, , .		0
165	A Comparative Study of an Unsupervised Word Sense Disambiguation Approach. , 2012, , 414-424.		0
166	DTMBIO 2015., 2015, , .		0
167	Exploring a Supervised Learning Based Social Media Business Sentiment Index. Lecture Notes in Electrical Engineering, 2018, , 193-202.	0.3	Ο
168	Analyzing the Research Landscape of DaWaK Papers from 1999 to 2019. Lecture Notes in Computer Science, 2020, , 3-13.	1.0	0
169	A Comparative Study of an Unsupervised Word Sense Disambiguation Approach. , 0, , 1306-1316.		Ο
170	Document Clustering by Semantic Smoothing and Dynamic Growing Cell Structure (DynGCS) for Biomedical Literature. Lecture Notes in Computer Science, 0, , 217-226.	1.0	0
171	Visualizing a field of research: A methodology of systematic scientometric reviews. , 2019, 14, e0223994.		Ο
172	Visualizing a field of research: A methodology of systematic scientometric reviews. , 2019, 14, e0223994.		0
173	Visualizing a field of research: A methodology of systematic scientometric reviews. , 2019, 14, e0223994.		Ο
174	Visualizing a field of research: A methodology of systematic scientometric reviews. , 2019, 14, e0223994.		0
175	Examining influential factors for acknowledgements classification using supervised learning. , 2020, 15, e0228928.		Ο
176	Examining influential factors for acknowledgements classification using supervised learning. , 2020, 15, e0228928.		0
177	Examining influential factors for acknowledgements classification using supervised learning. , 2020, 15, e0228928.		0
178	Examining influential factors for acknowledgements classification using supervised learning. , 2020, 15, e0228928.		0
179	Information Extraction in Biomedical Literature. , 0, , 314-321.		0