

Tianyong Hao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

838
citations

16
h-index

24
g-index

136
ext. papers

1,159
ext. citations

2.3
avg, IF

4.76
L-index

#	Paper	IF	Citations
105	Recent progress in leveraging deep learning methods for question answering. <i>Neural Computing and Applications</i> , 2022 , 34, 2765-2783	4.8	0
104	Probabilistic Prediction of Nonadherence to Psychiatric Disorder Medication from Mental Health Forum Data: Developing and Validating Bayesian Machine Learning Classifiers.. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 6722321	3	
103	Artificial Intelligence-Based Pharmacovigilance in the Setting of Limited Resources.. <i>Drug Safety</i> , 2022 , 45, 511-519	5.1	0
102	Detecting Symptom Errors in Neural Machine Translation of Patient Health Information on Depressive Disorders: Developing Interpretable Bayesian Machine Learning Classifiers. <i>Frontiers in Psychiatry</i> , 2021 , 12, 771562	5	1
101	Supporting Risk-Aware Use of Online Translation Tools in Delivering Mental Healthcare Services among Spanish-Speaking Populations. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 1011197		
100	Predicting the Easiness and Complexity of English Health Materials for International Tertiary Students With Linguistically Enhanced Machine Learning Algorithms: Development and Validation Study. <i>JMIR Medical Informatics</i> , 2021 , 9, e25110	3.6	0
99	Predicting Writing Styles of Web-Based Materials for Children's Health Education Using the Selection of Semantic Features: Machine Learning Approach. <i>JMIR Medical Informatics</i> , 2021 , 9, e30115	3.6	
98	A bibliometric and visual analysis of artificial intelligence technologies-enhanced brain MRI research. <i>Multimedia Tools and Applications</i> , 2021 , 80, 17335-17363	2.5	2
97	Automatic Classification of Semantic Content of Classroom Dialogue. <i>Journal of Educational Computing Research</i> , 2021 , 59, 496-521	3.8	4
96	Clinical quantitative information recognition and entity-quantity association from Chinese electronic medical records. <i>International Journal of Machine Learning and Cybernetics</i> , 2021 , 12, 117-130	3.8	2
95	Learning knowledge graph embedding with a bi-directional relation encoding network and a convolutional autoencoder decoding network. <i>Neural Computing and Applications</i> , 2021 , 33, 11157	4.8	1
94	Automated classification of clinical trial eligibility criteria text based on ensemble learning and metric learning. <i>BMC Medical Informatics and Decision Making</i> , 2021 , 21, 129	3.6	2
93	Comparative Study of COVID-19 Pandemic Progressions in 175 Regions in Australia, Canada, Italy, Japan, Spain, U.K. and USA Using a Novel Model That Considers Testing Capacity and Deficiency in Confirming Infected Cases. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 2836-2847	7.2	3
92	Predicting Health Material Accessibility: Development of Machine Learning Algorithms. <i>JMIR Medical Informatics</i> , 2021 , 9, e29175	3.6	0
91	Developing Machine Learning and Statistical Tools to Evaluate the Accessibility of Public Health Advice on Infectious Diseases among Vulnerable People.. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 1916690	3	0
90	Aggregating neighborhood information for negative sampling for knowledge graph embedding. <i>Neural Computing and Applications</i> , 2020 , 32, 17637-17653	4.8	3
89	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding. <i>PLoS ONE</i> , 2020 , 15, e0234763	3.7	25

88	The Construction of a Diabetes-oriented Frequently Asked Question Corpus for Automated Question-Answering Services 2020 ,		1
87	Leveraging Neural Network-Based Model for Context Classification of Classroom Dialogue Text. <i>Communications in Computer and Information Science</i> , 2020 , 323-336	0.3	
86	Leveraging Statistic and Semantic Features for Similar Question Detection Using Fusion XGBoost. <i>Lecture Notes in Computer Science</i> , 2020 , 106-120	0.9	
85	A Systematic Review of Frameworks for Coding Towards Classroom Dialogue. <i>Lecture Notes in Computer Science</i> , 2020 , 226-236	0.9	2
84	A Hybrid Neural Network RBERT-C Based on Pre-trained RoBERTa and CNN for User Intent Classification. <i>Communications in Computer and Information Science</i> , 2020 , 306-319	0.3	7
83	A Hybrid Model for Community-Oriented Lexical Simplification. <i>Lecture Notes in Computer Science</i> , 2020 , 132-144	0.9	0
82	A New Context-Aware Method Based on Hybrid Ranking for Community-Oriented Lexical Simplification. <i>Lecture Notes in Computer Science</i> , 2020 , 80-92	0.9	1
81	The Analysis of Worldwide Research on Artificial Intelligence Assisted User Modeling. <i>Lecture Notes in Computer Science</i> , 2020 , 201-213	0.9	0
80	The Design and Application of an Web-Based Online Examination System. <i>Lecture Notes in Computer Science</i> , 2020 , 246-256	0.9	3
79	A Bi-directional Relation Aware Network for Link Prediction in Knowledge Graph. <i>Communications in Computer and Information Science</i> , 2020 , 259-271	0.3	2
78	A Topic-Based Bibliometric Analysis of Two Decades of Research on the Application of Technology in Classroom Dialogue. <i>Journal of Educational Computing Research</i> , 2020 , 58, 1311-1341	3.8	7
77	The psychosis analysis in real-world on a cohort of large-scale patients with schizophrenia. <i>BMC Medical Informatics and Decision Making</i> , 2020 , 20, 132	3.6	1
76	A Hybrid Neural Network BERT-Cap Based on Pre-Trained Language Model and Capsule Network for User Intent Classification. <i>Complexity</i> , 2020 , 2020, 1-11	1.6	1
75	Identifying epidemic spreading dynamics of COVID-19 by pseudocoevolutionary simulated annealing optimizers. <i>Neural Computing and Applications</i> , 2020 , 33, 1-14	4.8	4
74	A Pattern-Based Method for Medical Entity Recognition From Chinese Diagnostic Imaging Text. <i>Frontiers in Artificial Intelligence</i> , 2019 , 2, 1	3	7
73	Discovering thematic change and evolution of utilizing social media for healthcare research. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 50	3.6	25
72	An approach for transgender population information extraction and summarization from clinical trial text. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 62	3.6	3
71	Exploring two decades of research on classroom dialogue by using bibliometric analysis. <i>Computers and Education</i> , 2019 , 137, 12-31	9.5	51

70	Research topics, author profiles, and collaboration networks in the top-ranked journal on educational technology over the past 40 years: a bibliometric analysis. <i>Journal of Computers in Education</i> , 2019 , 6, 563-585	3	31
69	Quantifying and Visualizing the Research Status of Social Media and Health Research Field 2019 , 31-51		3
68	A Knowledge Selective Adversarial Network for Link Prediction in Knowledge Graph. <i>Lecture Notes in Computer Science</i> , 2019 , 171-183	0.9	5
67	Trends and Features of Human Brain Research Using Artificial Intelligence Techniques: A Bibliometric Approach. <i>Communications in Computer and Information Science</i> , 2019 , 69-83	0.3	6
66	Neural Machine Translation with Attention Based on a New Syntactic Branch Distance. <i>Communications in Computer and Information Science</i> , 2019 , 47-57	0.3	2
65	A bibliometric analysis of event detection in social media. <i>Online Information Review</i> , 2019 , 43, 29-52	2	41
64	A Semantic-Context Ranking Approach for Community-Oriented English Lexical Simplification. <i>Lecture Notes in Computer Science</i> , 2018 , 784-796	0.9	2
63	A pattern learning-based method for temporal expression extraction and normalization from multi-lingual heterogeneous clinical texts. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 22	3.6	7
62	A bibliometric analysis of natural language processing in medical research. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 14	3.6	54
61	A Bibliometric Review of Natural Language Processing Empowered Mobile Computing. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-21	1.9	13
60	An Automated Approach for Clinical Quantitative Information Extraction from Chinese Electronic Medical Records. <i>Lecture Notes in Computer Science</i> , 2018 , 98-109	0.9	3
59	A Bibliometric Analysis of the Research Status of the Technology Enhanced Language Learning. <i>Lecture Notes in Computer Science</i> , 2018 , 169-179	0.9	14
58	A Bidirectional LSTM and Conditional Random Fields Approach to Medical Named Entity Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 355-365	0.4	13
57	Natural Language Processing Empowered Mobile Computing. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-2	1.9	
56	SBLC: a hybrid model for disease named entity recognition based on semantic bidirectional LSTMs and conditional random fields. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 114	3.6	9
55	A comparative quantitative study of utilizing artificial intelligence on electronic health records in the USA and China during 2008-2017. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 117	3.6	20
54	Capsule-Based Bidirectional Gated Recurrent Unit Networks for Question Target Classification. <i>Lecture Notes in Computer Science</i> , 2018 , 67-77	0.9	3
53	A Feature-Enriched Method for User Intent Classification by Leveraging Semantic Tag Expansion. <i>Lecture Notes in Computer Science</i> , 2018 , 224-234	0.9	1

52	A bibliometric analysis of text mining in medical research. <i>Soft Computing</i> , 2018 , 22, 7875-7892	3.5	34
51	A user-oriented semantic annotation approach to knowledge acquisition and conversion. <i>Journal of Information Science</i> , 2017 , 43, 393-411	2	2
50	An Empirical Study of Corpora Application in Data-Driven English Lexical Learning. <i>Lecture Notes in Computer Science</i> , 2017 , 370-381	0.9	1
49	Online Transfer Learning with Multiple Homogeneous or Heterogeneous Sources. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 1494-1507	4.2	47
48	A Framework for Automated Knowledge Graph Construction Towards Traditional Chinese Medicine. <i>Lecture Notes in Computer Science</i> , 2017 , 170-181	0.9	11
47	Revealing Learner Interests through Topic Mining from Question-Answering Data. <i>International Journal of Distance Education Technologies</i> , 2017 , 15, 18-32	1.1	2
46	Leveraging question target word features through semantic relation expansion for answer type classification. <i>Knowledge-Based Systems</i> , 2017 , 133, 43-52	7.3	15
45	A Feature Extraction and Expansion-Based Approach for Question Target Identification and Classification. <i>Lecture Notes in Computer Science</i> , 2017 , 249-260	0.9	3
44	A CRFs-Based Approach Empowered with Word Representation Features to Learning Biomedical Named Entities from Medical Text. <i>Lecture Notes in Computer Science</i> , 2017 , 518-527	0.9	1
43	An CNN-LSTM Attention Approach to Understanding User Query Intent from Online Health Communities 2017 ,		16
42	A Data-Driven Approach for Discovering the Recent Research Status of Diabetes in China. <i>Lecture Notes in Computer Science</i> , 2017 , 89-101	0.9	13
41	Discovering the Recent Research in Natural Language Processing Field Based on a Statistical Approach. <i>Lecture Notes in Computer Science</i> , 2017 , 507-517	0.9	12
40	Pedagogical Principle Based E-learning Exploration: A Case of Construction Mediation Training. <i>Lecture Notes in Computer Science</i> , 2017 , 539-547	0.9	1
39	Designing Interactive Exercises for Corpus-Based English Learning with Hot Potatoes Software. <i>Lecture Notes in Computer Science</i> , 2017 , 485-494	0.9	2
38	Large-scale extraction of drug-disease pairs from the medical literature. <i>Journal of the Association for Information Science and Technology</i> , 2017 , 68, 2649-2661	2.7	12
37	QSem: A novel question representation framework for question matching over accumulated question-answer data. <i>Journal of Information Science</i> , 2016 , 42, 583-596	2	2
36	A topical diversity-based approach to detecting similar question groups from collaborative question-answering archives. <i>Web Intelligence</i> , 2016 , 14, 301-308	0.7	1
35	The Construction of a Customized Medical Corpus for Assisting Chinese Clinicians in English Research Article Writing. <i>Lecture Notes in Computer Science</i> , 2016 , 241-252	0.9	2

34	An Automated Method for Gender Information Identification from Clinical Trial Texts. <i>Lecture Notes in Computer Science</i> , 2016 , 109-118	0.9	1
33	Valx: A System for Extracting and Structuring Numeric Lab Test Comparison Statements from Text. <i>Methods of Information in Medicine</i> , 2016 , 55, 266-75	1.5	24
32	Adaptive semantic tag mining from heterogeneous clinical research texts. <i>Methods of Information in Medicine</i> , 2015 , 54, 164-70	1.5	6
31	Systematic Comparison of Question Target Classification Taxonomies Towards Question Answering. <i>Communications in Computer and Information Science</i> , 2015 , 131-143	0.3	4
30	Discovering Commonly Shared Semantic Concepts of Eligibility Criteria for Learning Clinical Trial Design. <i>Lecture Notes in Computer Science</i> , 2015 , 3-13	0.9	1
29	A WordNet Expansion-Based Approach for Question Targets Identification and Classification. <i>Lecture Notes in Computer Science</i> , 2015 , 333-344	0.9	7
28	Leveraging Semantic Labeling for Question Matching to Facilitate Question-Answer Archive Reuse. <i>Lecture Notes in Computer Science</i> , 2015 , 65-75	0.9	
27	Online role mining for context-aware mobile service recommendation. <i>Personal and Ubiquitous Computing</i> , 2014 , 18, 1029-1046	2.1	19
26	Clustering clinical trials with similar eligibility criteria features. <i>Journal of Biomedical Informatics</i> , 2014 , 52, 112-20	10.2	47
25	A method for analyzing commonalities in clinical trial target populations 2014 , 2014, 1777-86	0.7	16
24	Toward a Professional Platform for Chinese Character Conversion. <i>ACM Transactions on Asian Language Information Processing</i> , 2013 , 12, 1-22		
23	Extracting and Normalizing Temporal Expressions in Clinical Data Requests from Researchers. <i>Lecture Notes in Computer Science</i> , 2013 , 41-51	0.9	4
22	Toward Automatic Answers in User-Interactive Question Answering Systems 2013 , 88-101		
21	Context-Aware Service Recommendation for Moving Connected Devices 2012 ,		9
20	Bootstrap-Based Equivalent Pattern Learning for Collaborative Question Answering. <i>Lecture Notes in Computer Science</i> , 2012 , 318-329	0.9	2
19	Finding similar questions in collaborative question answering archives: toward bootstrapping-based equivalent pattern learning. <i>Information Retrieval</i> , 2012 , 15, 332-353	1.8	16
18	Towards A Comprehensive Semantic Annotation Method for Knowledge Acquisition from Classical Chinese Poetry. <i>International Journal of Information and Education Technology</i> , 2012 , 204-207	0.5	1
17	A Pattern-based Annotation Transformation Schema for Knowledge Exchange. <i>International Journal of Information and Education Technology</i> , 2012 , 247-250	0.5	1

16	Semantic Pattern-Based User Interactive Question Answering: User Interface Design and Evaluation. <i>Lecture Notes in Computer Science</i> , 2012 , 363-370	0.9	1
15	Automatic Short Text Annotation for Question Answering System. <i>Lecture Notes in Business Information Processing</i> , 2011 , 245-258	0.6	
14	Automatic categorization of questions for user-interactive question answering. <i>Information Processing and Management</i> , 2011 , 47, 147-156	6.3	8
13	Toward Automatic Answers in User-Interactive Question Answering Systems. <i>International Journal of Software Science and Computational Intelligence</i> , 2011 , 3, 52-66	1.4	5
12	Adaptation rule learning for case-based reasoning. <i>Concurrency Computation Practice and Experience</i> , 2009 , 21, 673-689	1.4	7
11	A Web-Based Platform for User-Interactive Question-Answering. <i>World Wide Web</i> , 2009 , 12, 107-124	2.9	19
10	Automatic Question Translation Based on Semantic Pattern 2008 ,		2
9	Categorizing and ranking search engine results by semantic similarity 2008 ,		2
8	Semantic patterns for user-interactive question answering. <i>Concurrency Computation Practice and Experience</i> , 2008 , 20, 783-799	1.4	17
7	Using a User-Interactive QA System for Personalized E-Learning. <i>International Journal of Distance Education Technologies</i> , 2008 , 6, 1-22	1.1	6
6	Automatic Generation of Semantic Patterns for User-Interactive Question Answering 2008 , 632-637		5
5	Automatic Question Generation for Learning Evaluation in Medicine. <i>Lecture Notes in Computer Science</i> , 2008 , 242-251	0.9	7
4	Adaptation Rule Learning for Case-Based Reasoning 2007 ,		6
3	A user reputation model for a user-interactive question answering system. <i>Concurrency Computation Practice and Experience</i> , 2007 , 19, 2091-2103	1.4	21
2	Automatic question answering from Web documents. <i>Wuhan University Journal of Natural Sciences</i> , 2007 , 12, 875-880	0.4	1
1	Syntax-aware neural machine translation directed by syntactic dependency degree. <i>Neural Computing and Applications</i> ,1	4.8	2