Zhendong Niu

List of Publications by Year
in descending order

89 papers	2,861 citations	218677 26 h-index	197818 49 g-index
93 all docs	93 docs citations	93 times ranked	2233 citing authors

#	Article	IF	Citations
1	Knowledge-based recommendation: a review of ontology-based recommender systems for e-learning. Artificial Intelligence Review, 2018, 50, 21-48.	15.7	285
2	A structuralâ€“functional basis for dyslexia in the cortex of Chinese readers. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5561-5566.	7.1	231
3	A hybrid knowledge-based recommender system for e-learning based on ontology and sequential pattern mining. Future Generation Computer Systems, 2017, 72, 37-48.	7.5	189
4	A hybrid recommendation algorithm adapted in e-learning environments. World Wide Web, 2014, 17, 271-284.	4.0	138
5	A hybrid recommender system for e-learning based on context awareness and sequential pattern mining. Soft Computing, 2018, 22, 2449-2461.	3.6	112
6	Automatic construction of domain-specific sentiment lexicon based on constrained label propagation. Knowledge-Based Systems, 2014, 56, 191-200.	7.1	96
7	A Hybrid E-Learning Recommendation Approach Based on Learnersâ€™ Influence Propagation. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 827-840.	5.7	88
8	Schedule of Bad Smell Detection and Resolution: A New Way to Save Effort. IEEE Transactions on Software Engineering, 2012, 38, 220-235.	5.6	86
9	Learning new color names produces rapid increase in gray matter in the intact adult human cortex. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6686-6688.	7.1	83
10	An e-learning recommendation approach based on the self-organization of learning resource. Knowledge-Based Systems, 2018, 160, 71-87.	7.1	81
11	Heterogeneous teaching evaluation network based offline course recommendation with graph learning and tensor factorization. Neurocomputing, 2020, 415, 84-95.	5.9	69
12	A learner oriented learning recommendation approach based on mixed concept mapping and immune algorithm. Knowledge-Based Systems, 2016, 103, 28-40.	7.1	60
13	Lexical based automated teaching evaluation via studentsâ€™ short reviews. Computer Applications in Engineering Education, 2019, 27, 194-205.	3.4	58
14	Authorship identification from unstructured texts. Knowledge-Based Systems, 2014, 66, 99-111.	7.1	55
15	A survey on sentiment analysis of scientific citations. Artificial Intelligence Review, 2019, 52, 1805-1838.	15.7	54
16	CNN with depthwise separable convolutions and combined kernels for rating prediction. Expert Systems With Applications, 2021, 170, 114528.	7.6	46
17	Analysis of Architecturally Significant Requirements for Enterprise Systems. IEEE Systems Journal, 2014, 8, 850-857.	4.6	40
18	Multi-task learning model based on recurrent convolutional neural networks for citation sentiment and purpose classification. Neurocomputing, 2019, 335, 195-205.	5.9	38

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19	Deep learning techniques for rating prediction: a survey of the state-of-the-art. Artificial Intelligence Review, 2021, 54, 95-135.	15.7	38
20	Different patterns and development characteristics of processing written logographic characters and alphabetic words: An ALE metaâ€analysis. Human Brain Mapping, 2014, 35, 2607-2618.	3.6	37
21	Fine-grained Product Features Extraction and Categorization in Reviews Opinion Mining. , 2012, , .		36
22	Recommending scientific paper via heterogeneous knowledge embedding based attentive recurrent neural networks. Knowledge-Based Systems, 2021, 215, 106744.	7.1	36
23	Interest before liking: Two-step recommendation approaches. Knowledge-Based Systems, 2013, 48, 46-56.	7.1	35
24	A hybrid approach of topic model and matrix factorization based on two-step recommendation framework. Journal of Intelligent Information Systems, 2015, 44, 335-353.	3.9	32
25	Facilitating software refactoring with appropriate resolution order of bad smells. , 2009, , .		31
26	A Systems Approach to Product Line Requirements Reuse. IEEE Systems Journal, 2014, 8, 827-836.	4.6	31
27	Automatically Tracing Dependability Requirements via Term-Based Relevance Feedback. IEEE Transactions on Industrial Informatics, 2018, 14, 342-349.	11.3	31
28	Heterogeneous Knowledge-Based Attentive Neural Networks for Short-Term Music Recommendations. IEEE Access, 2018, 6, 58990-59000.	4.2	29
29	Tensor factorization method based on review text semantic similarity for rating prediction. Expert Systems With Applications, 2018, 114, 629-638.	7.6	28
30	Dense Procedure Captioning in Narrated Instructional Videos. , 2019, , .		28
31	Identifying Fragments to be Extracted from Long Methods. , 2009, , .		26
32	Academic rising star prediction via scholarâ€™s evaluation model and machine learning techniques. Scientometrics, 2019, 120, 461-476.	3.0	26
33	Traceability-enabled refactoring for managing just-in-time requirements. , 2014, , .		25
34	Enhancing Automated Requirements Traceability by Resolving Polysemy. , 2018, , .		25
35	A Two-Step Resume Information Extraction Algorithm. Mathematical Problems in Engineering, 2018, 2018, 1-8.	1.1	24
36	Using Adverse Weather Data in Social Media to Assist with City-Level Traffic Situation Awareness and Alerting. Applied Sciences (Switzerland), 2018, 8, 1193.	2.5	23

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37	Recommending Refactoring Solutions Based on Traceability and Code Metrics. IEEE Access, 2018, 6, 49460-49475.	4.2	22
38	Opinion-Based Collaborative Filtering to Solve Popularity Bias in Recommender Systems. Lecture Notes in Computer Science, 2013, , 426-433.	1.3	21
39	Wide-grained capsule network with sentence-level feature to detect meteorological event in social network. Future Generation Computer Systems, 2020, 102, 323-332.	7.5	20
40	Improving University Faculty Evaluations via multi-view Knowledge Graph. Future Generation Computer Systems, 2021, 117, 181-192.	7.5	20
41	An Approach Based on Tree Kernels for Opinion Mining of Online Product Reviews. , 2010, , .		18
42	HCBC: A Hierarchical Case-Based Classifier Integrated with Conceptual Clustering. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 152-165.	5.7	18
43	Automatic approval prediction for software enhancement requests. Automated Software Engineering, 2018, 25, 347-381.	2.9	17
44	Social Signal-Driven Knowledge Automation: A Focus on Social Transportation. IEEE Transactions on Computational Social Systems, 2021, 8, 737-753.	4.4	17
45	Visual Cortex Inspired CNN Model for Feature Construction in Text Analysis. Frontiers in Computational Neuroscience, 2016, 10, 64.	2.1	16
46	Concept coupling learning for improving concept lattice-based document retrieval. Engineering Applications of Artificial Intelligence, 2018, 69, 65-75.	8.1	16
47	User preferences prediction approach based on embedded deep summaries. Expert Systems With Applications, 2019, 132, 87-98.	7.6	16
48	Social weather: A review of crowdsourcingâ€assisted meteorological knowledge services through social cyberspace. Geoscience Data Journal, 2020, 7, 61-79.	4.4	16
49	Sensing Urban Transportation Events from Multi-Channel Social Signals with the Word2vec Fusion Model. Sensors, 2018, 18, 4093.	3.8	15
50	Automated Recommendation of Software Refactorings Based on Feature Requests. , 2019, , .		14
51	Hybrid microblog recommendation with heterogeneous features using deep neural network. Expert Systems With Applications, 2021, 167, 114191.	7.6	14
52	A Deep Hybrid Model for Recommendation by jointly leveraging ratings, reviews and metadata information. Engineering Applications of Artificial Intelligence, 2021, 97, 104066.	8.1	14
53	Feature requests-based recommendation of software refactorings. Empirical Software Engineering, 2020, 25, 4315-4347.	3.9	13
54	Review text based rating prediction approaches: preference knowledge learning, representation and utilization. Artificial Intelligence Review, 2021, 54, 1171-1200.	15.7	13

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55	Identification of generalization refactoring opportunities. Automated Software Engineering, 2013, 20, 81-110.	2.9	12
56	Joint Deep Recommendation Model Exploiting Reviews and Metadata Information. Neurocomputing, 2020, 402, 256-265.	5.9	12
57	TCIC_FS: Total correlation information coefficient-based feature selection method for high-dimensional data. Knowledge-Based Systems, 2021, 231, 107418.	7.1	12
58	ASELM: Adaptive semi-supervised ELM with application in question subjectivity identification. Neurocomputing, 2016, 207, 599-609.	5.9	11
59	Automatic generation of meteorological briefing by event knowledge guided summarization model. Knowledge-Based Systems, 2020, 192, 105379.	7.1	11
60	EKGTF: A knowledge-enhanced model for optimizing social network-based meteorological briefings. Information Processing and Management, 2021, 58, 102564.	8.6	11
61	CGMF: Coupled Group-Based Matrix Factorization for Recommender System. Lecture Notes in Computer Science, 2013, , 189-198.	1.3	11
62	Learning Semantic Concepts and Temporal Alignment for Narrated Video Procedural Captioning. , 2020, , .		11
63	A Clustering-Based Approach to Enriching Code Foraging Environment. IEEE Transactions on Cybernetics, 2015, 46, 1-1.	9.5	10
64	An Initial Study on Refactoring Tactics. , 2012, , .		8
65	Improving Top-NRecommendation Performance Using Missing Data. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	8
66	Authorship Identification of Source Codes. Lecture Notes in Computer Science, 2017, , 282-296.	1.3	8
67	Citation Function Classification Based on Ontologies and Convolutional Neural Networks. Communications in Computer and Information Science, 2018, , 105-115.	0.5	8
68	Heterogeneous Knowledge Learning of Predictive Academic Intelligence in Transportation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3737-3755.	8.0	7
69	A User Reputation Model for DLDE Learning 2.0 Community. Lecture Notes in Computer Science, 2008, , 61-70.	1.3	7
70	Document Classification for Mining Host Pathogen Protein-Protein Interactions. , 2008, , .		6
71	Concept Based Query Expansion. , 2013, , .		6
72	An opinion based crossâ€regional meteorological event detection model. Weather, 2019, 74, 51-55.	0.7	6

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73	Combining a segmentation-like approach and a density-based approach in content extraction. Tsinghua Science and Technology, 2012, 17, 256-264.	6.1	5
74	A brain-region-based meta-analysis method utilizing the Apriori algorithm. BMC Neuroscience, 2016, 17, 23.	1.9	4
75	A user evaluation framework for web-based learning systems. , 2011, , .		3
76	A Personalized User Evaluation Model for Web-Based Learning Systems. , 2014, , .		3
77	A Coupled User Clustering Algorithm Based on Mixed Data for Web-Based Learning Systems. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	3
78	The Brain Effective Connectivity of Chinese during Rhyming Task. PLoS ONE, 2016, 11, e0162158.	2.5	3
79	Citation Classification Using Multitask Convolutional Neural Network Model. Lecture Notes in Computer Science, 2018, , 232-243.	1.3	3
80	Conceptual Clustering. Lecture Notes in Electrical Engineering, 2014, , 1-8.	0.4	3
81	Active Learning Algorithm for Threshold of Decision Probability on Imbalanced Text Classification Based on Protein-Protein Interaction Documents. , 2010, , .		2
82	Functional connectivity of Chinese characters processing: A meta-analysis. , 2015, , .		2
83	A Survey of Learner and Researcher Related Challenges in E-learning Recommender Systems. Communications in Computer and Information Science, 2017, , 122-132.	0.5	1
84	Learning Strategy Based on Deep Knowledge Tracing. , 2021, , .		1
85	A Relation Pattern-Driven Probability Model for Related Entity Retrieval. International Journal of Knowledge and Systems Science, 2012, 3, 64-77.	0.8	1
86	Social Network based community Users' Viscosity enhanced model. , 2010, , .		0
87	Imbalanced text classification on host pathogen protein-protein interaction documents. , 2010, , .		0
88	Development of a computer-aided system for an effective brain connectivity network. , 2016, , .		0
89	Considering Rating as Probability Distribution of Attitude in Recommender System. Lecture Notes in Computer Science, 2014, , 393-402.	1.3	0