

Zhendong Niu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Heterogeneous Knowledge Learning of Predictive Academic Intelligence in Transportation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3737-3755.	8.0	7
2	Hybrid microblog recommendation with heterogeneous features using deep neural network. Expert Systems With Applications, 2021, 167, 114191.	7.6	14
3	Review text based rating prediction approaches: preference knowledge learning, representation and utilization. Artificial Intelligence Review, 2021, 54, 1171-1200.	15.7	13
4	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
5	Improving University Faculty Evaluations via multi-view Knowledge Graph. Future Generation Computer Systems, 2021, 117, 181-192.	7.5	20
6	Deep learning techniques for rating prediction: a survey of the state-of-the-art. Artificial Intelligence Review, 2021, 54, 95-135.	15.7	38
7	Recommending scientific paper via heterogeneous knowledge embedding based attentive recurrent neural networks. Knowledge-Based Systems, 2021, 215, 106744.	7.1	36
8	Learning Strategy Based on Deep Knowledge Tracing. , 2021, , .		1
9	CNN with depthwise separable convolutions and combined kernels for rating prediction. Expert Systems With Applications, 2021, 170, 114528.	7.6	46
10	Social Signal-Driven Knowledge Automation: A Focus on Social Transportation. IEEE Transactions on Computational Social Systems, 2021, 8, 737-753.	4.4	17
11	EKGTF: A knowledge-enhanced model for optimizing social network-based meteorological briefings. Information Processing and Management, 2021, 58, 102564.	8.6	11
12	TCIC_FS: Total correlation information coefficient-based feature selection method for high-dimensional data. Knowledge-Based Systems, 2021, 231, 107418.	7.1	12
13	A Hybrid E-Learning Recommendation Approach Based on Learners's Influence Propagation. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 827-840.	5.7	88
14	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
15	Automatic generation of meteorological briefing by event knowledge guided summarization model. Knowledge-Based Systems, 2020, 192, 105379.	7.1	11
16	Heterogeneous teaching evaluation network based offline course recommendation with graph learning and tensor factorization. Neurocomputing, 2020, 415, 84-95.	5.9	69
17	Feature requests-based recommendation of software refactorings. Empirical Software Engineering, 2020, 25, 4315-4347.	3.9	13
18	Social weather: A review of crowdsourcing-assisted meteorological knowledge services through social cyberspace. Geoscience Data Journal, 2020, 7, 61-79.	4.4	16

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19	Joint Deep Recommendation Model Exploiting Reviews and Metadata Information. <i>Neurocomputing</i> , 2020, 402, 256-265.	5.9	12
20	Learning Semantic Concepts and Temporal Alignment for Narrated Video Procedural Captioning. , 2020, , .		11
21	Multi-task learning model based on recurrent convolutional neural networks for citation sentiment and purpose classification. <i>Neurocomputing</i> , 2019, 335, 195-205.	5.9	38
22	Academic rising star prediction via scholarâ€™s evaluation model and machine learning techniques. <i>Scientometrics</i> , 2019, 120, 461-476.	3.0	26
23	User preferences prediction approach based on embedded deep summaries. <i>Expert Systems With Applications</i> , 2019, 132, 87-98.	7.6	16
24	An opinion based crossâ€™regional meteorological event detection model. <i>Weather</i> , 2019, 74, 51-55.	0.7	6
25	Automated Recommendation of Software Refactorings Based on Feature Requests. , 2019, , .		14
26	Lexical based automated teaching evaluation via studentsâ€™ short reviews. <i>Computer Applications in Engineering Education</i> , 2019, 27, 194-205.	3.4	58
27	A survey on sentiment analysis of scientific citations. <i>Artificial Intelligence Review</i> , 2019, 52, 1805-1838.	15.7	54
28	HCBC: A Hierarchical Case-Based Classifier Integrated with Conceptual Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019, 31, 152-165.	5.7	18
29	Dense Procedure Captioning in Narrated Instructional Videos. , 2019, , .		28
30	Concept coupling learning for improving concept lattice-based document retrieval. <i>Engineering Applications of Artificial Intelligence</i> , 2018, 69, 65-75.	8.1	16
31	Automatically Tracing Dependability Requirements via Term-Based Relevance Feedback. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 342-349.	11.3	31
32	Knowledge-based recommendation: a review of ontology-based recommender systems for e-learning. <i>Artificial Intelligence Review</i> , 2018, 50, 21-48.	15.7	285
33	Automatic approval prediction for software enhancement requests. <i>Automated Software Engineering</i> , 2018, 25, 347-381.	2.9	17
34	A hybrid recommender system for e-learning based on context awareness and sequential pattern mining. <i>Soft Computing</i> , 2018, 22, 2449-2461.	3.6	112
35	Heterogeneous Knowledge-Based Attentive Neural Networks for Short-Term Music Recommendations. <i>IEEE Access</i> , 2018, 6, 58990-59000.	4.2	29
36	Using Adverse Weather Data in Social Media to Assist with City-Level Traffic Situation Awareness and Alerting. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1193.	2.5	23

#	ARTICLE	IF	CITATIONS
37	Enhancing Automated Requirements Traceability by Resolving Polysemy. , 2018, , .		25
38	Recommending Refactoring Solutions Based on Traceability and Code Metrics. IEEE Access, 2018, 6, 49460-49475.	4.2	22
39	A Two-Step Resume Information Extraction Algorithm. Mathematical Problems in Engineering, 2018, 2018, 1-8.	1.1	24
40	An e-learning recommendation approach based on the self-organization of learning resource. Knowledge-Based Systems, 2018, 160, 71-87.	7.1	81
41	Tensor factorization method based on review text semantic similarity for rating prediction. Expert Systems With Applications, 2018, 114, 629-638.	7.6	28
42	Citation Function Classification Based on Ontologies and Convolutional Neural Networks. Communications in Computer and Information Science, 2018, , 105-115.	0.5	8
43	Citation Classification Using Multitask Convolutional Neural Network Model. Lecture Notes in Computer Science, 2018, , 232-243.	1.3	3
44	Sensing Urban Transportation Events from Multi-Channel Social Signals with the Word2vec Fusion Model. Sensors, 2018, 18, 4093.	3.8	15
45	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
46	Authorship Identification of Source Codes. Lecture Notes in Computer Science, 2017, , 282-296.	1.3	8
47	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
48	Visual Cortex Inspired CNN Model for Feature Construction in Text Analysis. Frontiers in Computational Neuroscience, 2016, 10, 64.	2.1	16
49	A brain-region-based meta-analysis method utilizing the Apriori algorithm. BMC Neuroscience, 2016, 17, 23.	1.9	4
50	The Brain Effective Connectivity of Chinese during Rhyming Task. PLoS ONE, 2016, 11, e0162158.	2.5	3
51	Development of a computer-aided system for an effective brain connectivity network. , 2016, , .		0
52	ASELM: Adaptive semi-supervised ELM with application in question subjectivity identification. Neurocomputing, 2016, 207, 599-609.	5.9	11
53	A learner oriented learning recommendation approach based on mixed concept mapping and immune algorithm. Knowledge-Based Systems, 2016, 103, 28-40.	7.1	60
54	Improving Top- <i>N</i> Recommendation Performance Using Missing Data. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	8

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55	A Coupled User Clustering Algorithm Based on Mixed Data for Web-Based Learning Systems. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-14.	1.1	3
56	Functional connectivity of Chinese characters processing: A meta-analysis. , 2015, , .		2
57	A Clustering-Based Approach to Enriching Code Foraging Environment. <i>IEEE Transactions on Cybernetics</i> , 2015, 46, 1-1.	9.5	10
58	A hybrid approach of topic model and matrix factorization based on two-step recommendation framework. <i>Journal of Intelligent Information Systems</i> , 2015, 44, 335-353.	3.9	32
59	A Personalized User Evaluation Model for Web-Based Learning Systems. , 2014, , .		3
60	Different patterns and development characteristics of processing written logographic characters and alphabetic words: An ALE meta-analysis. <i>Human Brain Mapping</i> , 2014, 35, 2607-2618.	3.6	37
61	Automatic construction of domain-specific sentiment lexicon based on constrained label propagation. <i>Knowledge-Based Systems</i> , 2014, 56, 191-200.	7.1	96
62	A hybrid recommendation algorithm adapted in e-learning environments. <i>World Wide Web</i> , 2014, 17, 271-284.	4.0	138
63	Authorship identification from unstructured texts. <i>Knowledge-Based Systems</i> , 2014, 66, 99-111.	7.1	55
64	Analysis of Architecturally Significant Requirements for Enterprise Systems. <i>IEEE Systems Journal</i> , 2014, 8, 850-857.	4.6	40
65	Traceability-enabled refactoring for managing just-in-time requirements. , 2014, , .		25
66	A Systems Approach to Product Line Requirements Reuse. <i>IEEE Systems Journal</i> , 2014, 8, 827-836.	4.6	31
67	Considering Rating as Probability Distribution of Attitude in Recommender System. <i>Lecture Notes in Computer Science</i> , 2014, , 393-402.	1.3	0
68	Conceptual Clustering. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 1-8.	0.4	3
69	Interest before liking: Two-step recommendation approaches. <i>Knowledge-Based Systems</i> , 2013, 48, 46-56.	7.1	35
70	Identification of generalization refactoring opportunities. <i>Automated Software Engineering</i> , 2013, 20, 81-110.	2.9	12
71	Concept Based Query Expansion. , 2013, , .		6
72	Opinion-Based Collaborative Filtering to Solve Popularity Bias in Recommender Systems. <i>Lecture Notes in Computer Science</i> , 2013, , 426-433.	1.3	21

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73	CGMF: Coupled Group-Based Matrix Factorization for Recommender System. Lecture Notes in Computer Science, 2013, , 189-198.	1.3	11
74	Combining a segmentation-like approach and a density-based approach in content extraction. Tsinghua Science and Technology, 2012, 17, 256-264.	6.1	5
75	An Initial Study on Refactoring Tactics. , 2012, , .		8
76	Fine-grained Product Features Extraction and Categorization in Reviews Opinion Mining. , 2012, , .		36
77	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
78	A Relation Pattern-Driven Probability Model for Related Entity Retrieval. International Journal of Knowledge and Systems Science, 2012, 3, 64-77.	0.8	1
79	A user evaluation framework for web-based learning systems. , 2011, , .		3
80	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
81	Social Network based community Users' Viscosity enhanced model. , 2010, , .		0
82	Imbalanced text classification on host pathogen protein-protein interaction documents. , 2010, , .		0
83	An Approach Based on Tree Kernels for Opinion Mining of Online Product Reviews. , 2010, , .		18
84	Active Learning Algorithm for Threshold of Decision Probability on Imbalanced Text Classification Based on Protein-Protein Interaction Documents. , 2010, , .		2
85	Facilitating software refactoring with appropriate resolution order of bad smells. , 2009, , .		31
86	Identifying Fragments to be Extracted from Long Methods. , 2009, , .		26
87	Document Classification for Mining Host Pathogen Protein-Protein Interactions. , 2008, , .		6
88	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
89	A User Reputation Model for DLDE Learning 2.0 Community. Lecture Notes in Computer Science, 2008, , 61-70.	1.3	7