

# Jing He

## List of Publications by Year in descending order

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143  
papers

1,579  
citations

430874

18  
h-index

414414

32  
g-index

149  
all docs

149  
docs citations

149  
times ranked

1635  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Automatic Facial Expression Recognition Systems Assisted by Multimodal Sensor Data. Sensors, 2019, 19, 1863.	3.8	129
2	SVD-based incremental approaches for recommender systems. Journal of Computer and System Sciences, 2015, 81, 717-733.	1.2	96
3	CLASSIFICATIONS OF CREDIT CARDHOLDER BEHAVIOR BY USING FUZZY LINEAR PROGRAMMING. International Journal of Information Technology and Decision Making, 2004, 03, 633-650.	3.9	55
4	A combination model based on transfer learning for waste classification. Concurrency Computation Practice and Experience, 2020, 32, e5751.	2.2	50
5	A Graph-based model for context-aware recommendation using implicit feedback data. World Wide Web, 2015, 18, 1351-1371.	4.0	48
6	Privacy preserving classification on local differential privacy in data centers. Journal of Parallel and Distributed Computing, 2020, 135, 70-82.	4.1	48
7	Accurate Image Analysis of the Retina Using Hessian Matrix and Binarisation of Thresholded Entropy with Application of Texture Mapping. PLoS ONE, 2014, 9, e95943.	2.5	46
8	Efficiently finding web services using a clustering semantic approach. , 2008, , .		45
9	Modeling dual role preferences for trust-aware recommendation. , 2014, , .		44
10	A smart web service based on the context of things. ACM Transactions on Internet Technology, 2012, 11, 1-23.	4.4	40
11	A PCA aided cross-covariance scheme for discriminative feature extraction from EEG signals. Computer Methods and Programs in Biomedicine, 2017, 146, 47-57.	4.7	39
12	Domain-Driven Classification Based on Multiple Criteria and Multiple Constraint-Level Programming for Intelligent Credit Scoring. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 826-838.	5.7	35
13	Dynamic Minimal Spanning Tree Routing Protocol for Large Wireless Sensor Networks. , 2006, , .		34
14	Distributed data possession checking for securing multiple replicas in geographically-dispersed clouds. Journal of Computer and System Sciences, 2012, 78, 1345-1358.	1.2	32
15	MCLP-based methods for improving “Bad”-catching rate in credit cardholder behavior analysis. Applied Soft Computing Journal, 2008, 8, 1259-1265.	7.2	30
16	Web Services Discovery Based on Latent Semantic Approach. , 2008, , .		30
17	Spatiotemporal Interpolation for Environmental Modelling. Sensors, 2016, 16, 1245.	3.8	29
18	Effective and efficient detection of premature ventricular contractions based on variation of principal directions. , 2016, 50, 93-102.		28

#	ARTICLE	IF	CITATIONS
19	Dynamic Computable General Equilibrium Model and Sensitivity Analysis for Shadow Price of Water Resource in China. Water Resources Management, 2007, 21, 1517-1533.	3.9	27
20	A Clique-based WBAN Scheduling for Mobile Wireless Body Area Networks. Procedia Computer Science, 2014, 31, 1092-1101.	2.0	26
21	Node-coupling clustering approaches for link prediction. Knowledge-Based Systems, 2015, 89, 669-680.	7.1	26
22	On Space-Time Filtering Framework for Matching Human Actions Across Different Viewpoints. IEEE Transactions on Image Processing, 2018, 27, 1230-1242.	9.8	22
23	Cluster Analysis and Optimization in Color-Based Clustering for Image Abstract. , 2007, , .		20
24	MSIM: A change detection framework for damage assessment in natural disasters. Expert Systems With Applications, 2018, 97, 372-383.	7.6	18
25	Exploring Douglas-Peucker Algorithm in the Detection of Epileptic Seizure from Multicategory EEG Signals. BioMed Research International, 2019, 2019, 1-19.	1.9	18
26	Sparse multi-criteria optimization classifier for credit risk evaluation. Soft Computing, 2019, 23, 3053-3066.	3.6	18
27	Mining streams of short text for analysis of world-wide event evolutions. World Wide Web, 2015, 18, 1201-1217.	4.0	17
28	IBE-BCIoT: an IBE based cross-chain communication mechanism of blockchain in IoT. World Wide Web, 2021, 24, 1665-1690.	4.0	16
29	Addressing RFID Misreadings to Better Infer Bee Hive Activity. IEEE Access, 2018, 6, 31935-31949.	4.2	15
30	Dynamic optimisation based fuzzy association rule mining method. International Journal of Machine Learning and Cybernetics, 2019, 10, 2187-2198.	3.6	15
31	FACE: Fully Automated Context Enhancement for night-time video sequences. Journal of Visual Communication and Image Representation, 2016, 40, 682-693.	2.8	14
32	Intelligent Resource Scheduling Based on Locality Principle in Data Center Networks. IEEE Communications Magazine, 2020, 58, 94-100.	6.1	14
33	A Personalized Recommendation Algorithm Based on Approximating the Singular Value Decomposition (ApproSVD). , 2012, , .		13
34	Discovery of stop regions for understanding repeat travel behaviors of moving objects. Journal of Computer and System Sciences, 2016, 82, 582-593.	1.2	13
35	Predicting Grain Losses and Waste Rate Along the Entire Chain: A Multitask Multigated Recurrent Unit Autoencoder Based Method. IEEE Transactions on Industrial Informatics, 2021, 17, 4390-4400.	11.3	13
36	A novel nest-based scheduling method for mobile wireless body area networks. Digital Communications and Networks, 2020, 6, 514-523.	5.0	12

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37	Dynamic Virtual Network Embedding of Mobile Cloud System Based on Global Resources in Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 8161-8174.	6.3	12
38	Fault Tolerance in Data Gathering Wireless Sensor Networks. Computer Journal, 2011, 54, 976-987.	2.4	11
39	SoRank. , 2014, , .		11
40	HRCM: An Efficient Hybrid Referential Compression Method for Genomic Big Data. BioMed Research International, 2019, 2019, 1-13.	1.9	11
41	Computer-based algorithms for multiple criteria and multiple constraint level integer linear programming. Computers and Mathematics With Applications, 2005, 49, 903-921.	2.7	10
42	Bi-sparse optimization-based least squares regression. Applied Soft Computing Journal, 2019, 77, 300-315.	7.2	10
43	EEG Self-Adjusting Data Analysis Based on Optimized Sampling for Robot Control. Electronics (Switzerland), 2020, 9, 925.	3.1	10
44	A polynomial-time algorithm for simple undirected graph isomorphism. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	2.2	10
45	Enhanced Classification Models for Iris Dataset. Procedia Computer Science, 2019, 162, 946-954.	2.0	9
46	A novel multi-objective particle swarm optimization for comprehensible credit scoring. Soft Computing, 2019, 23, 9009-9023.	3.6	9
47	GEAM: A General and Event-Related Aspects Model for Twitter Event Detection. Lecture Notes in Computer Science, 2013, , 319-332.	1.3	9
48	Combining geographical information of users and content of items for accurate rating prediction. , 2014, , .		8
49	Optimized fuzzy association rule mining for quantitative data. , 2014, , .		8
50	A general model for fuzzy decision tree and fuzzy random forest. Computational Intelligence, 2019, 35, 310-335.	3.2	8
51	A FUZZY LINEAR PROGRAMMING-BASED CLASSIFICATION METHOD. International Journal of Information Technology and Decision Making, 2011, 10, 1161-1174.	3.9	7
52	CIRCE: Correcting Imprecise Readings and Compressing Excrescent points for querying common patterns in uncertain sensor streams. Information Systems, 2013, 38, 1234-1251.	3.6	7
53	Group Recommendations Based on Comprehensive Latent Relationship Discovery. , 2016, , .		7
54	Towards Anomalous Diffusion Sources Detection in a Large Network. ACM Transactions on Internet Technology, 2016, 16, 1-24.	4.4	7

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55	Glucose Screening Measurements and Noninvasive Glucose Monitor Methods. Procedia Computer Science, 2018, 139, 613-621.	2.0	7
56	Wireless Video-Based Sensor Networks for Surveillance of Residential Districts. , 2008, , 154-165.		7
57	Design of Environmental Sensor Networks Using Evolutionary Algorithms. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 575-579.	3.1	6
58	SCHOLAT: An Innovative Academic Information Service Platform. Lecture Notes in Computer Science, 2016, , 453-456.	1.3	6
59	DATA MINING VIA MINIMAL SPANNING TREE CLUSTERING FOR PROLONGING LIFETIME OF WIRELESS SENSOR NETWORKS. International Journal of Information Technology and Decision Making, 2007, 06, 235-251.	3.9	5
60	A Framework for Food Traceability Information Extraction Based on a Video Surveillance System. Procedia Computer Science, 2015, 55, 1285-1292.	2.0	5
61	Building Cloud-Based Healthcare Data Mining Services. , 2016, , .		5
62	Efficiently Retrieving Longest Common Route Patterns of Moving Objects By Summarizing Turning Regions. Lecture Notes in Computer Science, 2011, , 375-386.	1.3	5
63	Personalized Recommendation on Multi-Layer Context Graph. Lecture Notes in Computer Science, 2013, , 135-148.	1.3	5
64	Network Lifetime of Application-Specific Randomly Deployed Wireless Sensor Networks in Arbitrary Sensor Density. , 2007, , .		4
65	Inter-frame Change Directing Online Clustering of Multiple Moving Objects for Video-Based Sensor Networks. , 2008, , .		4
66	Wireless Sensor Networks for Heritage Object Deformation Detection and Tracking Algorithm. Sensors, 2014, 14, 20562-20588.	3.8	4
67	Scalable approximating SVD algorithm for recommender systems. Web Intelligence and Agent Systems, 2014, 12, 359-373.	0.4	4
68	A Novel Method in Extracranial Removal of Brain MR Images. Procedia Computer Science, 2014, 31, 1160-1169.	2.0	4
69	A fuzzy decision tree approach based on data distribution construction. , 2017, , .		4
70	Research on the HPACA Algorithm to Solve Alternative Covering Location Model for Methane Sensors. Procedia Computer Science, 2018, 139, 464-472.	2.0	4
71	Frontier development of chips design and production. Procedia Computer Science, 2018, 139, 554-560.	2.0	4
72	Clustering of Multiple Density Peaks. Lecture Notes in Computer Science, 2018, , 413-425.	1.3	4

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73	A Novel Flash P2P Network Traffic Prediction Algorithm based on ELMD and Garch. International Journal of Information Technology and Decision Making, 2020, 19, 127-141.	3.9	4
74	Dual incremental fuzzy schemes for frequent itemsets discovery in streaming numeric data. Information Sciences, 2020, 514, 15-43.	6.9	4
75	Cognitive Traffic Anomaly Prediction from GPS Trajectories Using Visible Outlier Indexes and Meshed Spatiotemporal Neighborhoods. Cognitive Computation, 2020, 12, 967-978.	5.2	4
76	An Efficient Solution to Detect Common Topologies in Money Launderings Based on Coupling and Connection. IEEE Intelligent Systems, 2021, 36, 64-74.	4.0	4
77	An explainable multi-sparsity multi-kernel nonconvex optimization least-squares classifier method via ADMM. Neural Computing and Applications, 2022, 34, 16103-16128.	5.6	4
78	A Dynamic Approach to Calculate Shadow Prices of Water Resources for Nine Major Rivers in China. Journal of Systems Science and Complexity, 2006, 19, 76-87.	2.8	3
79	Finding the minimum number of elements with sum above a threshold. Information Sciences, 2013, 238, 205-211.	6.9	3
80	Modelling semantics across multiple time series and its applications. Knowledge-Based Systems, 2015, 85, 27-36.	7.1	3
81	A Data as a Product Model for Future Consumption of Big Stream Data in Clouds. , 2015, , .		3
82	A Survey of Personalised Image Retrieval and Recommendation. Communications in Computer and Information Science, 2017, , 233-247.	0.5	3
83	Generating EEG Graphs Based on PLA for Brain Wave Pattern Recognition. , 2018, , .		3
84	Developing a smart healthcare framework with an "Aboriginal lens"™. Procedia Computer Science, 2019, 162, 347-354.	2.0	3
85	Intelligent pseudo-location recommendation for protecting personal location privacy. Concurrency Computation Practice and Experience, 2020, 32, e5435.	2.2	3
86	Active contours with local and global energy based on fuzzy clustering and maximum a posterior probability for retinal vessel detection. Concurrency Computation Practice and Experience, 2020, 32, e5599.	2.2	3
87	An interpretable regression approach based on bi-sparse optimization. Applied Intelligence, 2020, 50, 4117-4142.	5.3	3
88	Reconfigurable Fault-tolerance mapping of ternary <i>N</i>-cubes onto chips. Concurrency Computation Practice and Experience, 2020, 32, e5659.	2.2	3
89	An Optimal Backoff Time-Based Internetwork Interference Mitigation Method in Wireless Body Area Network. Journal of Sensors, 2020, 2020, 1-13.	1.1	3
90	Web Services for Things. , 2014, , 605-629.		3

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91	Kimberlites Identification by Classification Methods. Lecture Notes in Computer Science, 2007, , 409-414.	1.3	3
92	Automatic Generation of Traditional Style Painting by Using Density-Based Color Clustering. , 2007, , .		2
93	Data Mining for Seismic Exploration. , 2008, , .		2
94	A Novel Ranking Algorithm for Service Matching Based on Agent Association Graphs. , 2010, , .		2
95	Exceptional Object Analysis for Finding Rare Environmental Events from water quality datasets. Neurocomputing, 2012, 92, 69-77.	5.9	2
96	A real-time abnormality detection system for intensive care management. , 2013, , .		2
97	SQLS: A Storm-Based Query Language System for Real-Time Stream Data Analysis. Chinese Journal of Electronics, 2016, 25, 1025-1033.	1.5	2
98	CogTime_RMF: regularized matrix factorization with drifting cognition degree for collaborative filtering. Cluster Computing, 2016, 19, 821-835.	5.0	2
99	Food Traceability System Based on 3D City Models and Deep Learning. Annals of Data Science, 2016, 3, 89-100.	3.2	2
100	TIDM: Topic-Specific Information Detection Model. Procedia Computer Science, 2017, 122, 229-236.	2.0	2
101	3D Model-Based Food Traceability Information Extraction Framework. Lecture Notes in Computer Science, 2015, , 112-119.	1.3	2
102	Building Computational Virtual Reality Environment for Anesthesia. Lecture Notes in Computer Science, 2015, , 151-158.	1.3	2
103	An Association Rule Analysis Framework for Complex Physiological and Genetic Data. Lecture Notes in Computer Science, 2012, , 131-142.	1.3	2
104	Leveraging Kernel Incorporated Matrix Factorization for Smartphone Application Recommendation. Lecture Notes in Computer Science, 2017, , 459-474.	1.3	2
105	An Optimized Self-adjusting Model for EEG Data Analysis in Online Education Processes. Lecture Notes in Computer Science, 2020, , 338-348.	1.3	2
106	Multi-objective optimisation based fuzzy association rule mining method. World Wide Web, 0, , .	4.0	2
107	A novel time computation model based on algorithm complexity for data intensive scientific workflow design and scheduling. Concurrency Computation Practice and Experience, 2009, 21, 2070-2083.	2.2	1
108	An Optimised Design for Agent Capability Reuse. , 2010, , .		1

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109	Complex social network partition for balanced subnetworks. , 2016, , .		1
110	Software Evolution Information Driven Service-Oriented Software Clustering. , 2016, , .		1
111	Deep actionlet proposals for driver's behavior monitoring. , 2017, , .		1
112	Development Status and Trends of Wearable Smart Devices on Wrists. Lecture Notes in Computer Science, 2018, , 119-129.	1.3	1
113	Factor space is the adaptive and deepening theory of fuzzy sets. , 2020, , .		1
114	A Fuzzy Theory Based Topological Distance Measurement for Undirected Multigraphs. , 2020, , .		1
115	A Novel Association Rule Mining Method for Streaming Temporal Data. Annals of Data Science, 0, , 1.	3.2	1
116	Discovering Semantics from Multiple Correlated Time Series Stream. Lecture Notes in Computer Science, 2013, , 509-520.	1.3	1
117	Pattern Recognition for MCNs Using Fuzzy Linear Programming. Lecture Notes in Computer Science, 2006, , 509-516.	1.3	1
118	An Inclined Bounding Box Method for Detecting Parking Spaces in Open Parking Lots using Aerial Images. , 2020, , .		1
119	SEBF: A Single-Chain based Extension Model of Blockchain for Fintech. , 2020, , .		1
120	Emerging Scientific Topic Discovery by Finding Infrequent Synonymous Biterms. Lecture Notes in Computer Science, 2022, , 29-40.	1.3	1
121	<scp>DVO</scp> : A web service recommendation mechanism with <scp>QoS</scp> privacy preservation. Concurrency Computation Practice and Experience, 0, , .	2.2	1
122	Learning from Multiple Related Data Streams with Asynchronous Flowing Speeds. , 2010, , .		0
123	Mathematical-Morphology-Based Edge Detection of Retinal Vessels in Retinal Images. Lecture Notes in Computer Science, 2013, , 265-268.	1.3	0
124	A Local Adaptive Segmentation of Vascular Network from Abnormal Retinal Images. , 2014, , .		0
125	Guest editorial: Web technologies and applications. World Wide Web, 2014, 17, 455-456.	4.0	0
126	Building the Computational Virtual Reality Environment for Anaesthetists' Training and Practice. , 2015, , .		0



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127	Building Computational Virtual Reality Environment for Anesthesia. Annals of Data Science, 2016, 3, 413-421.	3.2	0
128	Proportioning documents over categories based on word embeddings. , 2017, , .		0
129	A Subgraph Isomorphism Algorithm for Privacy Preserving in Dynamic Social Network. , 2019, , .		0
130	Application of Data Distribution Technology in Smart Cities. Procedia Computer Science, 2019, 162, 324-330.	2.0	0
131	A bi-level programming model for oilfield development and its solution algorithm based on interactive intuitionistic fuzzy method. Procedia Computer Science, 2019, 162, 215-226.	2.0	0
132	Absorbing Diagonal Algorithm: an Eigensolver of $O(n^{2.584963} \log \frac{1}{\epsilon})$ Complexity at Precision $\hat{\mu}$ . IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	0
133	A Dynamic Committee Scheme on Multiple-Criteria Linear Programming Classification Method. Lecture Notes in Computer Science, 2007, , 401-408.	1.3	0
134	Unsupervised Segmentation of Blood Vessels from Colour Retinal Fundus Images. Lecture Notes in Computer Science, 2014, , 194-203.	1.3	0
135	Scale Adjustable Interaction Group Identification. , 2018, , .		0
136	Absorbing Diagonal Algorithm for Enhancing Randomized SVD Algorithms in Collaborative Filtering. , 2019, , .		0
137	Resultant Gradient Flow Method for Multiple Objective Programming Based on Efficient Computing. Communications in Computer and Information Science, 2020, , 492-506.	0.5	0
138	An Information Based Fuzzy Partitioning Approach (IBFP) for "Bad" Credit Detection. Procedia Computer Science, 2022, 199, 1160-1167.	2.0	0
139	Linear Adjusting Programming in Factor Space. , 2021, , .		0
140	A Subgraph Isomorphism-based Attack Towards Social Networks. , 2021, , .		0
141	Maximum Projection Distance Classifier for High Dimension and Low Sample Size Problems. , 2021, , .		0
142	Homomorphic Encryption based Subgraph Isomorphism Protocol in Blockchain. , 2021, , .		0
143	Effective Personalized Taxonomy Pruning for Identification of Relevant Knowledge Domain for Knowledge Support of User Interests. , 2021, , .		0