

Yanchun Zhang

List of Publications by Year in descending order

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157
papers

4,053
citations

106120

35
h-index

156116

55
g-index

165
all docs

165
docs citations

165
times ranked

4465
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-Transfer Metric Learning for Time Series Classification in 6G-Supported Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2024, 25, 2757-2767.	8.4	31
2	Distributed Cooperative Coevolution of Data Publishing Privacy and Transparency. ACM Transactions on Knowledge Discovery From Data, 2024, 18, 1-23.	3.7	13
3	Evolutionary Dynamic Database Partitioning Optimization for Privacy and Utility. IEEE Transactions on Dependable and Secure Computing, 2024, 21, 2296-2311.	6.0	16
4	Role of diffusion-weighted imaging in response prediction and evaluation after high dose rate brachytherapy in patients with colorectal liver metastases. Radiology and Oncology, 2024, 58, 33-42.	1.7	0
5	A Multitask Dynamic Graph Attention Autoencoder for Imbalanced Multilabel Time Series Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-14.	12.6	0
6	A Study on Historical Behaviour Enabled Insider Threat Prediction. Lecture Notes in Computer Science, 2024, , 464-476.	1.0	0
7	Federated Genetic Algorithm: Two-Layer Privacy-Preserving Trajectory Data Publishing. , 2024, , .		0
8	Enhancing Transferability of Adversarial Examples through Mixed-Frequency Inputs. IEEE Transactions on Information Forensics and Security, 2024, , 1-1.	7.3	0
9	Epilepsy Detection From EEG Using Complex Network Techniques: A Review. IEEE Reviews in Biomedical Engineering, 2023, 16, 292-306.	18.2	37
10	Automatically Building Service-Based Systems With Function Relaxation. IEEE Transactions on Cybernetics, 2023, 53, 2703-2716.	10.1	15
11	Complex Event Summarization Using Multi-Social Attribute Correlation. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 11180-11195.	6.2	1
12	MCnet: Multiscale visible image and infrared image fusion network. Signal Processing, 2023, 208, 108996.	3.9	12
13	A Comprehensive Survey on Multi-View Clustering. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 12350-12368.	6.2	37
14	Improving adversarial robustness of medical imaging systems via adding global attention noise. Computers in Biology and Medicine, 2023, 164, 107251.	7.3	5
15	Radiomics under 2D regions, 3D regions, and peritumoral regions reveal tumor heterogeneity in non-small cell lung cancer: a multicenter study. Radiologia Medica, 2023, 128, 1079-1092.	7.9	7
16	Class-Driven Graph Attention Network for Multi-Label Time Series Classification in Mobile Health Digital Twins. IEEE Journal on Selected Areas in Communications, 2023, 41, 3267-3278.	15.9	8
17	Analyzing the Impact of COVID-19 on Education: A Comparative Study Based on TOEFL Test Results. Lecture Notes in Computer Science, 2023, , 175-184.	1.0	0
18	Anomaly Detection in Quasi-Periodic Time Series Based on Automatic Data Segmentation and Attentional LSTM-CNN. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2626-2640.	6.2	32

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19	Event Popularity Prediction Using Influential Hashtags From Social Media. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4797-4811.	6.2	9
20	MDDE: multitasking distributed differential evolution for privacy-preserving database fragmentation. VLDB Journal, 2022, 31, 957-975.	4.2	35
21	A Biomedical Perspective in Terahertz Nano-Communications—A Review. IEEE Sensors Journal, 2022, 22, 9215-9227.	4.8	25
22	Time Series Based Data Explorer and Stream Analysis for Anomaly Prediction. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.4	1
23	Motif-based embedding label propagation algorithm for community detection. International Journal of Intelligent Systems, 2022, 37, 1880-1902.	5.8	22
24	Deep Learning With Radiomics for Disease Diagnosis and Treatment: Challenges and Potential. Frontiers in Oncology, 2022, 12, 773840.	2.9	54
25	Anti-epileptic drugs and prostate cancer-specific mortality compared to non-users of anti-epileptic drugs in the Finnish Randomized Study of Screening for Prostate Cancer. British Journal of Cancer, 2022, , .	6.6	1
26	EEG Sleep Stages Analysis and Classification Based on Weighed Complex Network Features. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 236-246.	5.3	44
27	A method of VR-EEG scene cognitive rehabilitation training. Health Information Science and Systems, 2021, 9, 4.	5.5	12
28	Exploiting feature fusion and long-term context dependencies for simultaneous ECG heartbeat segmentation and classification. International Journal of Data Science and Analytics, 2021, 11, 181-193.	4.4	14
29	Classification of COVID-19 pneumonia from chest CT images based on reconstructed super-resolution images and VGG neural network. Health Information Science and Systems, 2021, 9, 10.	5.5	35
30	RANK promotes colorectal cancer migration and invasion by activating the Ca ²⁺ -calcineurin/NFATC1-ACP5 axis. Cell Death and Disease, 2021, 12, 336.	6.4	22
31	Pyramid U-Net for Retinal Vessel Segmentation. , 2021, , .		31
32	Set-Based Adaptive Distributed Differential Evolution for Anonymity-Driven Database Fragmentation. Data Science and Engineering, 2021, 6, 380-391.	6.8	11
33	Image Preprocessing in Classification and Identification of Diabetic Eye Diseases. Data Science and Engineering, 2021, 6, 455-471.	6.8	60
34	New feature extraction for automated detection of epileptic seizure using complex network framework. Applied Acoustics, 2021, 180, 108098.	3.4	15
35	L-cysteine-modified chiral gold nanoparticles promote periodontal tissue regeneration. Bioactive Materials, 2021, 6, 3288-3299.	16.1	29
36	Knowledge transfer-based distributed differential evolution for dynamic database fragmentation. Knowledge-Based Systems, 2021, 229, 107325.	7.4	17

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37	Kernelized Multitask Learning Method for Personalized Signaling Adverse Drug Reactions. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	6.2	3
38	Distributed Memetic Algorithm for Outsourced Database Fragmentation. IEEE Transactions on Cybernetics, 2021, 51, 4808-4821.	10.1	50
39	Efficient and Optimal Algorithms for Tree Summarization with Weighted Terminologies. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	6.2	0
40	Dynamic Connection-Based Social Group Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 453-467.	6.2	48
41	HGeoHashBase: an optimized storage model of spatial objects for location-based services. Frontiers of Computer Science, 2020, 14, 208-218.	2.5	6
42	Automatic CIN Grades Prediction of Sequential Cervigram Image Using LSTM With Multistate CNN Features. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 844-854.	6.9	32
43	An Efficient Ant Colony System Approach for New Energy Vehicle Dispatch Problem. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4784-4797.	8.4	50
44	A New Framework for Automatic Detection of Patients With Mild Cognitive Impairment Using Resting-State EEG Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1966-1976.	5.0	93
45	Automatic Detection of Diabetic Eye Disease Through Deep Learning Using Fundus Images: A Survey. IEEE Access, 2020, 8, 151133-151149.	4.4	91
46	Automated epilepsy detection techniques from electroencephalogram signals: a review study. Health Information Science and Systems, 2020, 8, 33.	5.5	71
47	Deep Learning for Multi-Class Antisocial Behavior Identification From Twitter. IEEE Access, 2020, 8, 194027-194044.	4.4	8
48	A Computerized Method for Automatic Detection of Schizophrenia Using EEG Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2390-2400.	5.0	133
49	A framework for cardiac arrhythmia detection from IoT-based ECGs. World Wide Web, 2020, 23, 2835-2850.	3.9	66
50	An Advanced Two-Step DNN-Based Framework for Arrhythmia Detection. Lecture Notes in Computer Science, 2020, , 422-434.	1.0	15
51	Access Control Management for Ubiquitous Computing. , 2020, , 179-201.		0
52	Achieving Secure and Flexible M-Services Through Tickets. , 2020, , 67-89.		0
53	Secrecy transmission capacity in mobile ad hoc networks with security-aware Aloha protocol. IET Communications, 2020, 14, 4135-4141.	2.3	0
54	Distributed Access Control Through Blockchain Technology. , 2020, , 283-297.		0

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55	Simultaneous ECG Heartbeat Segmentation and Classification with Feature Fusion and Long Term Context Dependencies. Lecture Notes in Computer Science, 2020, , 371-383.	1.0	3
56	Role-Based Delegation with Negative Authorization. , 2020, , 159-175.		0
57	Effective Collaboration with Information Sharing in Virtual Universities. , 2020, , 249-281.		0
58	The effects of travel containment measures within COVID-19. , 2020, , .		3
59	An Efficient Method for High Quality and Cohesive Topical Phrase Mining. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 120-137.	6.2	27
60	Bayesian Sparse Topical Coding. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1080-1093.	6.2	19
61	Friendship-based cooperative jamming for secure communication in Poisson networks. Wireless Networks, 2019, 25, 4077-4095.	3.1	3
62	Exploring Douglas-Peucker Algorithm in the Detection of Epileptic Seizure from Multicategory EEG Signals. BioMed Research International, 2019, 2019, 1-19.	2.0	21
63	Increased Legumain/Smad3 expression in atherosclerotic plaque of rat thoracic aorta. Biomedicine and Pharmacotherapy, 2019, 119, 109353.	5.8	4
64	An Attention-based Hybrid LSTM-CNN Model for Arrhythmias Classification. , 2019, , .		27
65	Exploring Hermite transformation in brain signal analysis for the detection of epileptic seizure. IET Science, Measurement and Technology, 2019, 13, 35-41.	1.6	59
66	An Advanced Analysis System for Identifying Alcoholic Brain State Through EEG Signals. International Journal of Automation and Computing, 2019, 16, 737-747.	4.7	28
67	A LSTM and CNN Based Assemble Neural Network Framework for Arrhythmias Classification. , 2019, , .		18
68	Unobtrusive Mattress-Based Identification of Hypertension by Integrating Classification and Association Rule Mining. Sensors, 2019, 19, 1489.	4.0	23
69	A Segmentation Method of Lung Parenchyma From Chest CT Images Based on Dual U-Net. , 2019, , .		3
70	A Review of Intelligent Image Processing Method of Pulmonary CT Images. , 2019, , .		1
71	Heterogeneous information network based clustering for precision traditional Chinese medicine. BMC Medical Informatics and Decision Making, 2019, 19, 264.	3.1	7
72	Adversarial Heterogeneous Network Embedding with Metapath Attention Mechanism. Journal of Computer Science and Technology, 2019, 34, 1217-1229.	1.5	7

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73	A general model for fuzzy decision tree and fuzzy random forest. Computational Intelligence, 2019, 35, 310-335.	3.1	8
74	Cloud Service Description Model: An Extension of USDL for Cloud Services. IEEE Transactions on Services Computing, 2018, 11, 354-368.	5.1	43
75	On Secure Wireless Communications for Service Oriented Computing. IEEE Transactions on Services Computing, 2018, 11, 318-328.	5.1	29
76	Identification of Hypertension by Mining Class Association Rules from Multi-dimensional Features. , 2018, , .		4
77	A PCA aided cross-covariance scheme for discriminative feature extraction from EEG signals. Computer Methods and Programs in Biomedicine, 2017, 146, 47-57.	4.9	41
78	Preserving patient-centred controls in electronic health record systems: A reliance-based model implication. , 2017, , .		16
79	THCluster: Herb supplements categorization for precision traditional Chinese medicine. , 2017, , .		9
80	A New Data Mining Scheme for Analysis of Big Brain Signal Data. Lecture Notes in Computer Science, 2017, , 151-164.	1.0	9
81	Multi-category EEG signal classification developing time-frequency texture features based Fisher Vector encoding method. Neurocomputing, 2016, 218, 251-258.	6.2	56
82	Weighted Visibility Graph With Complex Network Features in the Detection of Epilepsy. IEEE Access, 2016, 4, 6554-6566.	4.4	164
83	Epileptic seizure detection in EEG signals using tunable-Q factor wavelet transform and bootstrap aggregating. Computer Methods and Programs in Biomedicine, 2016, 137, 247-259.	4.9	204
84	Medical Big Data: Neurological Diseases Diagnosis Through Medical Data Analysis. Data Science and Engineering, 2016, 1, 54-64.	6.8	152
85	Analyzing EEG Signal Data for Detection of Epileptic Seizure: Introducing Weight on Visibility Graph with Complex Network Feature. Lecture Notes in Computer Science, 2016, , 56-66.	1.0	17
86	Epileptic seizure detection from EEG signals using logistic model trees. Brain Informatics, 2016, 3, 93-100.	3.1	76
87	Pattern identification of biomedical images with time series: Contrasting THz pulse imaging with DCE-MRIs. Artificial Intelligence in Medicine, 2016, 67, 1-23.	6.7	19
88	Classification of THz pulse signals using two-dimensional cross-correlation feature extraction and non-linear classifiers. Computer Methods and Programs in Biomedicine, 2016, 127, 64-82.	4.9	33
89	Supervised Anomaly Detection in Uncertain Pseudoperiodic Data Streams. ACM Transactions on Internet Technology, 2016, 16, 1-20.	4.6	77
90	A fast and robust face recognition approach combining Gabor learned dictionaries and collaborative representation. International Journal of Machine Learning and Cybernetics, 2016, 7, 47-52.	3.7	7

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91	Exploring Sampling in the Detection of Multicategory EEG Signals. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-12.	1.4	54
92	Hypothermia Evidence, Afterdrop, and Guidelines. Wilderness and Environmental Medicine, 2015, 26, 439-441.	0.9	6
93	Enhancing Time Series Clustering by Incorporating Multiple Distance Measures with Semi-Supervised Learning. Journal of Computer Science and Technology, 2015, 30, 859-873.	1.5	14
94	A Data as a Product Model for Future Consumption of Big Stream Data in Clouds. , 2015, , .		4
95	Mining streams of short text for analysis of world-wide event evolutions. World Wide Web, 2015, 18, 1201-1217.	3.9	17
96	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	50
97	Wireless Sensor Networks for Heritage Object Deformation Detection and Tracking Algorithm. Sensors, 2014, 14, 20562-20588.	4.0	4
98	Refining Adverse Drug Reactions Using Association Rule Mining for Electronic Healthcare Data. , 2014, , .		8
99	Collaborative medical diagnosis through Fuzzy Petri Net based agent argumentation. , 2014, , .		6
100	Scalable approximating SVD algorithm for recommender systems. Web Intelligence and Agent Systems, 2014, 12, 359-373.	0.3	5
101	Online mining abnormal period patterns from multiple medical sensor data streams. World Wide Web, 2014, 17, 569-587.	3.9	19
102	Discriminative Nonnegative Spectral Clustering with Out-of-Sample Extension. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1760-1771.	6.2	57
103	Shilling attack detection utilizing semi-supervised learning method for collaborative recommender system. World Wide Web, 2013, 16, 729-748.	3.9	104
104	CIRCE: Correcting Imprecise Readings and Compressing Excrescent points for querying common patterns in uncertain sensor streams. Information Systems, 2013, 38, 1234-1251.	3.9	7
105	Welcome to Health Information Science and Systems. Health Information Science and Systems, 2013, 1, 1.	5.5	12
106	An efficient approach to suggesting topically related web queries using hidden topic model. World Wide Web, 2013, 16, 273-297.	3.9	27
107	A Personalized Recommendation Algorithm Based on Approximating the Singular Value Decomposition (ApproSVD). , 2012, , .		13
108	Multi-level delegations with trust management in access control systems. Journal of Intelligent Information Systems, 2012, 39, 611-626.	4.1	6

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109	Satisfying Privacy Requirements Before Data Anonymization. Computer Journal, 2012, 55, 422-437.	2.3	48
110	Risk Factors for Complications of Endoscopic Sinus Surgery for Chronic Rhinosinusitis. American Journal of Rhinology and Allergy, 2012, 26, 61-64.	2.1	44
111	Privacy-aware access control with trust management in web service. World Wide Web, 2011, 14, 407-430.	3.9	85
112	Fault Tolerance in Data Gathering Wireless Sensor Networks. Computer Journal, 2011, 54, 976-987.	2.3	12
113	WRITER IDENTIFICATION WITH HYBRID EDGE DIRECTIONAL FEATURES AND NONLINEAR DIMENSION REDUCTION. , 2011, , 265-286.		0
114	ENHANCING THE PERFORMANCE OF LOCAL BINARY PATTERNS FOR FACE RECOGNITION BY SPECTRAL REGRESSION. , 2011, , 107-127.		3
115	Clustering analysis and its applications. , 2010, , .		1
116	Engineering Issues for the Web 2.0. World Wide Web, 2010, 13, 211-213.	3.9	0
117	A Pairwise-Systematic Microaggregation for Statistical Disclosure Control. , 2010, , .		6
118	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.	6.2	35
119	Effective Collaboration with Information Sharing in Virtual Universities. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 840-853.	6.2	52
120	On web communities mining and recommendation. Concurrency Computation Practice and Experience, 2009, 21, 561-582.	2.2	3
121	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
122	Delegating revocations and authorizations in collaborative business environments. Information Systems Frontiers, 2009, 11, 293-305.	6.7	14
123	Self-Organizing Map Methodology and Google Maps Services for Geographical Epidemiology Mapping. , 2009, , .		10
124	Modelling User Behaviour for Web Recommendation Using LDA Model. , 2008, , .		32
125	Efficient Management of Semi-Persistent Data for the Evolving Web. , 2008, , .		0
126	Web Services Discovery Based on Latent Semantic Approach. , 2008, , .		30

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127	AdaBoost algorithm with random forests for predicting breast cancer survivability. , 2008, , .		44
128	Identifying Causal Effects from Data for the Clinical Ventilation Process Modelling. , 2008, , .		0
129	Access Control for Human Tasks in Service Oriented Architecture. , 2008, , .		5
130	Classification of cerebral palsy gait by Kernel Fisher Discriminant Analysis. International Journal of Hybrid Intelligent Systems, 2008, 5, 209-218.	1.5	10
131	Collaborative Legal Information Sharing on P2P Network. , 2007, , .		4
132	Gait Classificaiton in Children with Cerebral Palsy by Bayesian Approach. , 2007, , .		0
133	Network Lifetime of Application-Specific Randomly Deployed Wireless Sensor Networks in Arbitrary Sensor Density. , 2007, , .		4
134	Design and implementation of digital right management in a collaborative peer-to-peer network. , 2007, , .		2
135	Cluster Analysis and Optimization in Color-Based Clustering for Image Abstract. , 2007, , .		20
136	Development of Web-Based Epidemiological Reporting System for Tasmania Utilizing a Google Maps Add-On. , 2007, , .		6
137	On Web Communities Mining and Analysis. , 2007, , .		0
138	Scenario-Based Petri Net Approach for Collaborative Business Process Modelling. , 2007, , .		3
139	Scenario-Based Petri Net Approach for Collaborative Business Process Modelling. , 2007, , .		0
140	Collaborative Legal Information Sharing on P2P Network. , 2007, , .		0
141	Design and Implementation of Digital Right Management in a Collaborative Peer-To-Peer Network. , 2007, , .		0
142	Collaborative Peer-to-Peer Service for Information Sharing Using JXTA. , 2006, , .		5
143	Lateral transmission of natural scrapie to scrapie-free New Zealand sheep placed in an endemically infected UK flock. Veterinary Record, 2006, 159, 633-634.	0.3	8
144	Accuracy of the clinical examination to predict radiographic instability of the lumbar spine. European Spine Journal, 2005, 14, 743-750.	2.3	118

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145	A flexible payment scheme and its role-based access control. IEEE Transactions on Knowledge and Data Engineering, 2005, 17, 425-436.	6.2	109
146	Collaborative Business Transactions Management: Issues and Challenges. , 2005, , .		0
147	Collaborative business transactions management: issues and challenges. , 2005, , .		0
148	A Global Ticket-Based Access Scheme for Mobile Users. Information Systems Frontiers, 2004, 6, 35-46.	6.7	13
149	Achieving secure and flexible M-services through tickets. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2003, 33, 697-708.	3.2	43
150	Effectively finding relevant web pages from linkage information. IEEE Transactions on Knowledge and Data Engineering, 2003, 15, 940-951.	6.2	66
151	Enhancing text classification using synopses extraction. , 0, , .		3
152	An overview of content-based image retrieval techniques. , 0, , .		50
153	Using Probabilistic Latent Semantic Analysis for Web Page Grouping. , 0, , .		3
154	Survivability of Information System. , 0, , .		1
155	Secure Electronic Voting for Mobile Communications. , 0, , .		3
156	A Compact Vulnerability Knowledge Graph for Risk Assessment. ACM Transactions on Knowledge Discovery From Data, 0, , .	3.7	0
157	Constrained multi-scale dense connections for biomedical image segmentation. Pattern Recognition, 0, 158, 111031.	8.5	0