Zhi-Han Lv

List of Publications by Year
in descending order

381 papers	14,659 citations	15504 65 h-index	32842 100 g-index
396 all docs	396 docs citations	396 times ranked	9312 citing authors

#	Article	IF	Citations
1	Comparison and Modelling of Country-level Microblog User and Activity in Cyber-physical-social Systems Using Weibo and Twitter Data. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-24.	4.5	311
2	Next-Generation Big Data Analytics: State of the Art, Challenges, and Future Research Topics. IEEE Transactions on Industrial Informatics, 2017, 13, 1891-1899.	11.3	290
3	Efficient Deep CNN-Based Fire Detection and Localization in Video Surveillance Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1419-1434.	9.3	279
4	Game On, Science - How Video Game Technology May Help Biologists Tackle Visualization Challenges. PLoS ONE, 2013, 8, e57990.	2.5	242
5	Touch-less interactive augmented reality game on vision-based wearable device. Personal and Ubiquitous Computing, 2015, 19, 551-567.	2.8	236
6	Fuzzy Detection Aided Real-Time and Robust Visual Tracking Under Complex Environments. IEEE Transactions on Fuzzy Systems, 2021, 29, 90-102.	9.8	220
7	A Joint Multi-Criteria Utility-Based Network Selection Approach for Vehicle-to-Infrastructure Networking. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3305-3319.	8.0	215
8	Fuzzy System Based Medical Image Processing for Brain Disease Prediction. Frontiers in Neuroscience, 2021, 15, 714318.	2.8	212
9	Energy-Efficient Multi-Constraint Routing Algorithm With Load Balancing for Smart City Applications. IEEE Internet of Things Journal, 2016, 3, 1437-1447.	8.7	194
10	Trustworthiness in Industrial IoT Systems Based on Artificial Intelligence. IEEE Transactions on Industrial Informatics, 2021, 17, 1496-1504.	11.3	186
11	Interaction of Edge-Cloud Computing Based on SDN and NFV for Next Generation IoT. IEEE Internet of Things Journal, 2020, 7, 5706-5712.	8.7	183
12	Analysis of healthcare big data. Future Generation Computer Systems, 2020, 109, 103-110.	7.5	182
13	Hybrid Microgrid Many-Objective Sizing Optimization With Fuzzy Decision. IEEE Transactions on Fuzzy Systems, 2020, 28, 2702-2710.	9.8	181
14	A Many-Objective Optimization Model of Industrial Internet of Things Based on Private Blockchain. IEEE Network, 2020, 34, 78-83.	6.9	175
15	Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV. IEEE Transactions on Vehicular Technology, 2020, 69, 13784-13795.	6.3	168
16	Semi-Supervised Support Vector Machine for Digital Twins Based Brain Image Fusion. Frontiers in Neuroscience, 2021, 15, 705323.	2.8	152
17	Big data analysis of the Internet of Things in the digital twins of smart city based on deep learning. Future Generation Computer Systems, 2022, 128, 167-177.	7.5	152
18	Deep belief network and linear perceptron based cognitive computing for collaborative robots. Applied Soft Computing Journal, 2020, 92, 106300.	7.2	151

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19	Multiobjective Evolution of Fuzzy Rough Neural Network via Distributed Parallelism for Stock Prediction. IEEE Transactions on Fuzzy Systems, 2020, 28, 939-952.	9.8	147
20	Multimodal Hand and Foot Gesture Interaction for Handheld Devices. ACM Transactions on Multimedia Computing, Communications and Applications, 2014, 11, 1-19.	4.3	145
21	Government affairs service platform for smart city. Future Generation Computer Systems, 2018, 81, 443-451.	7.5	138
22	Big Data Analysis Based Network Behavior Insight of Cellular Networks for Industry 4.0 Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 1310-1320.	11.3	138
23	Infrastructure Monitoring and Operation for Smart Cities Based on IoT System. IEEE Transactions on Industrial Informatics, 2020, 16, 1957-1962.	11.3	136
24	A Self-Assessment Stereo Capture Model Applicable to the Internet of Things. Sensors, 2015, 15, 20925-20944.	3.8	134
25	Software defined solutions for sensors in 6G/IoE. Computer Communications, 2020, 153, 42-47.	5.1	133
26	Design of personnel big data management system based on blockchain. Future Generation Computer Systems, 2019, 101, 1122-1129.	7.5	132
27	Cyber security in smart cities: A review of deep learning-based applications and case studies. Sustainable Cities and Society, 2021, 66, 102655.	10.4	130
28	Big Data Analytics for 6G-Enabled Massive Internet of Things. IEEE Internet of Things Journal, 2021, 8, 5350-5359.	8.7	127
29	Multi-Disease Prediction Based on Deep Learning: A Survey. CMES - Computer Modeling in Engineering and Sciences, 2021, 128, 489-522.	1.1	123
30	Virtual reality geographical interactive scene semantics research for immersive geography learning. Neurocomputing, 2017, 254, 71-78.	5.9	120
31	Mobile Internet of Things Under Data Physical Fusion Technology. IEEE Internet of Things Journal, 2020, 7, 4616-4624.	8.7	116
32	Collaborative Multi-hop Routing in Cognitive Wireless Networks. Wireless Personal Communications, 2016, 86, 901-923.	2.7	114
33	Rapid Delaunay triangulation for randomly distributed point cloud data using adaptive Hilbert curve. Computers and Graphics, 2016, 54, 65-74.	2.5	114
34	BIM Big Data Storage in WebVRGIS. IEEE Transactions on Industrial Informatics, 2020, 16, 2566-2573.	11.3	114
35	Intelligent edge computing based on machine learning for smart city. Future Generation Computer Systems, 2021, 115, 90-99.	7.5	114
36	Change detection method for remote sensing images based on an improved Markov random field. Multimedia Tools and Applications, 2017, 76, 17719-17734.	3.9	112

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37	Intelligent Security Planning for Regional Distributed Energy Internet. IEEE Transactions on Industrial Informatics, 2020, 16, 3540-3547.	11.3	109
38	Analysis of Using Blockchain to Protect the Privacy of Drone Big Data. IEEE Network, 2021, 35, 44-49.	6.9	109
39	Multimedia cloud transmission and storage system based on internet of things. Multimedia Tools and Applications, 2017, 76, 17735-17750.	3.9	106
40	Deep-Learning-Enabled Security Issues in the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 9531-9538.	8.7	105
41	Many-Objective Deployment Optimization for a Drone-Assisted Camera Network. IEEE Transactions on Network Science and Engineering, 2021, 8, 2756-2764.	6.4	102
42	Diversified Personalized Recommendation Optimization Based on Mobile Data. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2133-2139.	8.0	101
43	A Real-Time Monitoring System of Industry Carbon Monoxide Based on Wireless Sensor Networks. Sensors, 2015, 15, 29535-29546.	3.8	97
44	A real-time and ubiquitous network attack detection based on deep belief network and support vector machine. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 790-799.	13.1	95
45	RFID Reader Anticollision Based on Distributed Parallel Particle Swarm Optimization. IEEE Internet of Things Journal, 2021, 8, 3099-3107.	8.7	95
46	A Low-Power and Portable Biomedical Device for Respiratory Monitoring with a Stable Power Source. Sensors, 2015, 15, 19618-19632.	3.8	93
47	Managing Big City Information Based on WebVRGIS. IEEE Access, 2016, 4, 407-415.	4.2	92
48	Edge–Cloud Resource Scheduling in Space–Air–Ground-Integrated Networks for Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 5765-5772.	8.7	92
49	Wearable Vision Assistance System Based on Binocular Sensors for Visually Impaired Users. IEEE Internet of Things Journal, 2019, 6, 1375-1383.	8.7	91
50	Industrial Security Solution for Virtual Reality. IEEE Internet of Things Journal, 2021, 8, 6273-6281.	8.7	88
51	An Energy-Efficient Networking Approach in Cloud Services for IIoT Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 928-941.	14.0	84
52	Virtual Reality Smart City Based on WebVRGIS. IEEE Internet of Things Journal, 2016, 3, 1015-1024.	8.7	83
53	Towards a face recognition method based on uncorrelated discriminant sparse preserving projection. Multimedia Tools and Applications, 2017, 76, 17669-17683.	3.9	82
54	Solving the Security Problem of Intelligent Transportation System With Deep Learning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4281-4290.	8.0	82

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55	Advanced Machine-Learning Methods for Brain-Computer Interfacing. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1688-1698.	3.0	80
56	Artificial intelligence for securing industrial-based cyber–physical systems. Future Generation Computer Systems, 2021, 117, 291-298.	7.5	80
57	Research on Disease Prediction Based on Improved DeepFM and IoMT. IEEE Access, 2021, 9, 39043-39054.	4.2	80
58	A Distributed Parallel Cooperative Coevolutionary Multiobjective Evolutionary Algorithm for Large-Scale Optimization. IEEE Transactions on Industrial Informatics, 2017, 13, 2030-2038.	11.3	79
59	Digital Twins in Unmanned Aerial Vehicles for Rapid Medical Resource Delivery in Epidemics. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25106-25114.	8.0	77
60	A task scheduling algorithm considering game theory designed for energy management in cloud computing. Future Generation Computer Systems, 2020, 105, 985-992.	7.5	74
61	QoE-Aware Efficient Content Distribution Scheme For Satellite-Terrestrial Networks. IEEE Transactions on Mobile Computing, 2023, 22, 443-458.	5.8	74
62	WebVR––Web Virtual Reality Engine Based on P2P network. Journal of Networks, 2011, 6, .	0.4	74
63	Machine learning-assisted signature and heuristic-based detection of malwares in Android devices. Computers and Electrical Engineering, 2018, 69, 828-841.	4.8	73
64	Virtual reality in the context of Internet of Things. Neural Computing and Applications, 2020, 32, 9593-9602.	5.6	72
65	An Optimized Byzantine Fault Tolerance Algorithm for Consortium Blockchain. Peer-to-Peer Networking and Applications, 2021, 14, 2826-2839.	3.9	72
66	AI Empowered Communication Systems for Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4579-4587.	8.0	70
67	Federated Neural Architecture Search for Medical Data Security. IEEE Transactions on Industrial Informatics, 2022, 18, 5628-5636.	11.3	70
68	Stereoscopic image quality assessment method based on binocular combination saliency model. Signal Processing, 2016, 125, 237-248.	3.7	69
69	MCRS: A course recommendation system for MOOCs. Multimedia Tools and Applications, 2018, 77, 7051-7069.	3.9	69
70	Assessment of lively street network based on geographic information system and space syntax. Multimedia Tools and Applications, 2017, 76, 17801-17819.	3.9	68
71	Diversified Technologies in Internet of Vehicles Under Intelligent Edge Computing. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2048-2059.	8.0	66
72	Deep Learning for Security in Digital Twins of Cooperative Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16666-16675.	8.0	66

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73	A multicast delivery approach with minimum energy consumption for wireless multi-hop networks. Telecommunication Systems, 2016, 62, 771-782.	2.5	65
74	The security of Internet of drones. Computer Communications, 2019, 148, 208-214.	5.1	65
75	Bigdata Oriented Multimedia Mobile Health Applications. Journal of Medical Systems, 2016, 40, 120.	3.6	64
76	Deep Learning in Security of Internet of Things. IEEE Internet of Things Journal, 2022, 9, 22133-22146.	8.7	64
77	From urban planning and emergency training to PokÃ©mon Go: applications of virtual reality GIS (VRGIS) and augmented reality GIS (ARGIS) in personal, public and environmental health. International Journal of Health Geographics, 2017, 16, 7.	2.5	63
78	Optimization of real-time traffic network assignment based on IoT data using DBN and clustering model in smart city. Future Generation Computer Systems, 2020, 108, 976-986.	7.5	63
79	Robust environmental closed-loop supply chain design under uncertainty. Chaos, Solitons and Fractals, 2016, 89, 195-202.	5.1	62
80	Big Data Analysis Technology for Electric Vehicle Networks in Smart Cities. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1807-1816.	8.0	61
81	6G-Enabled Network in Box for Internet of Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5275-5282.	8.0	60
82	Distributed Parallel Particle Swarm Optimization for Multi-Objective and Many-Objective Large-Scale Optimization. IEEE Access, 2017, 5, 8214-8221.	4.2	59
83	Hand-free motion interaction on Google Glass. , 2014, , .		58
84	Compression-Then-Encryption-Based Secure Watermarking Technique for Smart Healthcare System. IEEE MultiMedia, 2020, 27, 133-143.	1.7	58
85	A survey on 5G/6G, AI, and Robotics. Computers and Electrical Engineering, 2021, 95, 107372.	4.8	58
86	A SDN-based fine-grained measurement and modeling approach to vehicular communication network traffic. International Journal of Communication Systems, 2019, , e4092.	2.5	57
87	Secure video summarization framework for personalized wireless capsule endoscopy. Pervasive and Mobile Computing, 2017, 41, 436-450.	3.3	56
88	ELDC: An Artificial Neural Network Based Energy-Efficient and Robust Routing Scheme for Pollution Monitoring in WSNs. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 106-114.	4.6	56
89	Extending touch-less interaction on vision based wearable device. , 2015, , .		55
90	Deep Learning for Security Problems in 5G Heterogeneous Networks. IEEE Network, 2021, 35, 67-73.	6.9	55

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91	Deep Learning-based Smart Predictive Evaluation for Interactive Multimedia-enabled Smart Healthcare. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-20.	4.3	54
92	BlockNet: Beyond reliable spatial Digital Twins to Parallel Metaverse. Patterns, 2022, 3, 100468.	5.9	54
93	Artificial Intelligence in Underwater Digital Twins Sensor Networks. ACM Transactions on Sensor Networks, 2022, 18, 1-27.	3.6	53
94	Smart City Construction and Management by Digital Twins and BIM Big Data in COVID-19 Scenario. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-21.	4.3	52
95	MOOCRC: A Highly Accurate Resource Recommendation Model for Use in MOOC Environments. Mobile Networks and Applications, 2019, 24, 34-46.	3.3	51
96	Multiobjective Evolution of the Explainable Fuzzy Rough Neural Network With Gene Expression Programming. IEEE Transactions on Fuzzy Systems, 2022, 30, 4190-4200.	9.8	51
97	Quality Index for Stereoscopic Images by Separately Evaluating Adding and Subtracting. PLoS ONE, 2015, 10, e0145800.	2.5	50
98	A game based assistive tool for rehabilitation of dysphonic patients. , 2015, , .		50
99	Spatio-Temporal Kronecker Compressive Sensing for Traffic Matrix Recovery. IEEE Access, 2016, 4, 3046-3053.	4.2	49
100	PMU Placement in Electric Transmission Networks for Reliable State Estimation Against False Data Injection Attacks. IEEE Internet of Things Journal, 2017, 4, 1978-1986.	8.7	48
101	AI-empowered IoT Security for Smart Cities. ACM Transactions on Internet Technology, 2021, 21, 1-21.	4.4	48
102	Deployment optimization for 3D industrial wireless sensor networks based on particle swarm optimizers with distributed parallelism. Journal of Network and Computer Applications, 2018, 103, 225-238.	9.1	47
103	Trust Mechanism of Multimedia Network. ACM Transactions on Multimedia Computing, Communications and Applications, 0, , .	4.3	47
104	Traffic Management and Forecasting System Based on 3D GIS. , 2015, , .		46
105	An energy-efficient multicast algorithm with maximum network throughput in multi-hop wireless networks. Journal of Communications and Networks, 2016, 18, 713-724.	2.6	46
106	Mobile crowd sensing of human-like intelligence using social sensors: A survey. Neurocomputing, 2018, 279, 3-10.	5.9	46
107	The Influence of Immersive Virtual Reality Systems on Online Social Application. Applied Sciences (Switzerland), 2020, 10, 5058.	2.5	46
108	Assessing Essential Qualities of Urban Space with Emotional and Visual Data Based on GIS Technique. ISPRS International Journal of Geo-Information, 2016, 5, 218.	2.9	45

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109	A Fast Image Retrieval Method Designed for Network Big Data. IEEE Transactions on Industrial Informatics, 2017, 13, 2350-2359.	11.3	45
110	Cyclist Social Force Model at Unsignalized Intersections With Heterogeneous Traffic. IEEE Transactions on Industrial Informatics, 2017, 13, 782-792.	11.3	45
111	3-D Multiobjective Deployment of an Industrial Wireless Sensor Network for Maritime Applications Utilizing a Distributed Parallel Algorithm. IEEE Transactions on Industrial Informatics, 2018, 14, 5487-5495.	11.3	45
112	Application of machine learning in ocean data. Multimedia Systems, 0, , 1.	4.7	45
113	A Bayesian approach for sleep and wake classification based on dynamic time warping method. Multimedia Tools and Applications, 2017, 76, 17765-17784.	3.9	44
114	Soft frequency reuse-based optimization algorithm for energy efficiency of multi-cell networks. Computers and Electrical Engineering, 2018, 66, 316-331.	4.8	44
115	Research and Application of the 3D Virtual Community Based on WEBVR and RIA. Journal of Computer and Information Science, 2009, 2, .	0.3	43
116	3D seabed: 3D modeling and visualization platform for the seabed. , 2014, , .		43
117	Spatiotemporal Congestion-Aware Path Planning Toward Intelligent Transportation Systems in Software-Defined Smart City IoT. IEEE Internet of Things Journal, 2020, 7, 8012-8024.	8.7	43
118	A Survey on Healthcare Data: A Security Perspective. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-26.	4.3	43
119	WebVRGIS based traffic analysis and visualization system. Advances in Engineering Software, 2016, 93, 1-8.	3.8	42
120	A clogging resistant secure authentication scheme for fog computing services. Computer Networks, 2021, 185, 107731.	5.1	42
121	Safety Poka Yoke in Zero-Defect Manufacturing Based on Digital Twins. IEEE Transactions on Industrial Informatics, 2023, 19, 1176-1184.	11.3	42
122	Wearable Smartphone: Wearable Hybrid Framework for Hand and Foot Gesture Interaction on Smartphone. , 2013, , .		40
123	Optimization of collaborative resource allocation for mobile edge computing. Computer Communications, 2020, 161, 19-27.	5.1	40
124	Cross-Layer Optimization for Industrial Internet of Things in Real Scene Digital Twins. IEEE Internet of Things Journal, 2022, 9, 15618-15629.	8.7	40
125	Multi-dimensional visualization of large-scale marine hydrological environmental data. Advances in Engineering Software, 2016, 95, 7-15.	3.8	39
126	Multimedia recommendation and transmission system based on cloud platform. Future Generation Computer Systems, 2017, 70, 94-103.	7.5	38

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127	ARGIS-based outdoor underground pipeline information system. Journal of Visual Communication and Image Representation, 2016, 40, 779-790.	2.8	37
128	Building investor trust in the P2P lending platform with a focus on Chinese P2P lending platforms. Electronic Commerce Research, 2018, 18, 203-224.	5.0	37
129	3D seabed modeling and visualization on ubiquitous context. , 2014, , .		35
130	ARPPS: Augmented Reality Pipeline Prospect System. Lecture Notes in Computer Science, 2015, , 647-656.	1.3	34
131	XEarth: A 3D GIS platform for managing massive city information. , 2015, , .		34
132	Internet cross-media retrieval based on deep learning. Journal of Visual Communication and Image Representation, 2017, 48, 356-366.	2.8	34
133	Modeling network traffic for traffic matrix estimation and anomaly detection based on Bayesian network in cloud computing networks. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 297-305.	2.5	34
134	Decision Optimization of Low-Carbon Dual-Channel Supply Chain of Auto Parts Based on Smart City Architecture. Complexity, 2020, 2020, 1-14.	1.6	34
135	A real-time and high-precision method for small traffic-signs recognition. Neural Computing and Applications, 2022, 34, 2233-2245.	5.6	34
136	Digital twins and artificial intelligence in transportation infrastructure: Classification, application, and future research directions. Computers and Electrical Engineering, 2022, 101, 107983.	4.8	34
137	Blockchain-Based Secure Communication of Intelligent Transportation Digital Twins System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22630-22640.	8.0	34
138	Design of Miniaturized Dual-Band Microstrip Antenna for WLAN Application. Sensors, 2016, 16, 983.	3.8	33
139	Quality assessment metric of stereo images considering cyclopean integration and visual saliency. Information Sciences, 2016, 373, 251-268.	6.9	33
140	Quality Index for Stereoscopic Images by Jointly Evaluating Cyclopean Amplitude and Cyclopean Phase. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 89-101.	10.8	33
141	Construction of intelligent traffic information recommendation system based on long short-term memory. Journal of Computational Science, 2018, 26, 78-86.	2.9	33
142	Application of Digital Twins in multiple fields. Multimedia Tools and Applications, 2022, 81, 26941-26967.	3.9	33
143	Virtual Reality Based GIS Analysis Platform. Lecture Notes in Computer Science, 2015, , 638-645.	1.3	32
144	Spatially Regularized Latent Topic Model for Simultaneous Object Discovery and Segmentation. , 2015, , .		30

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145	Development and Characterization a Single-Active-Chamber Piezoelectric Membrane Pump with Multiple Passive Check Valves. Sensors, 2016, 16, 2108.	3.8	29
146	Big Data Analysis of Internet of Things System. ACM Transactions on Internet Technology, 2021, 21, 1-15.	4.4	29
147	Fine-Grained Visual Computing Based on Deep Learning. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-19.	4.3	29
148	Security of Internet of Things edge devices. Software - Practice and Experience, 2021, 51, 2446-2456.	3.6	28
149	Energy-Efficient Heterogeneous Networking for Electric Vehicles Networks in Smart Future Cities. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1868-1880.	8.0	28
150	Prediction of Ocean Wave Height Suitable for Ship Autopilot. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25557-25566.	8.0	28
151	Assessment of Urban Fabric for Smart Cities. IEEE Access, 2016, 4, 373-382.	4.2	27
152	Data-driven accurate design of variable blank holder force in sheet forming under interval uncertainty using sequential approximate multi-objective optimization. Future Generation Computer Systems, 2018, 86, 1242-1250.	7.5	27
153	Advanced Machine Learning on Cognitive Computing for Human Behavior Analysis. IEEE Transactions on Computational Social Systems, 2021, 8, 1194-1202.	4.4	27
154	Upper Limb Rehabilitation System for Stroke Survivors Based on Multi-Modal Sensors and Machine Learning. IEEE Access, 2021, 9, 30283-30291.	4.2	27
155	The research on optimization of auto supply chain network robust model under macroeconomic fluctuations. Chaos, Solitons and Fractals, 2016, 89, 105-114.	5.1	26
156	Distributed parallel cooperative coevolutionary multi-objective large-scale immune algorithm for deployment of wireless sensor networks. Future Generation Computer Systems, 2018, 82, 256-267.	7.5	26
157	An intelligent optimizationâ€based traffic information acquirement approach to softwareâ€defined networking. Computational Intelligence, 2020, 36, 151-171.	3.2	26
158	Reliable vehicle type recognition based on information fusion in multiple sensor networks. Computer Networks, 2017, 117, 76-84.	5.1	25
159	Effectively Measuring Respiratory Flow With Portable Pressure Data Using Back Propagation Neural Network. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-12.	3.7	25
160	Deep learning for autonomous vehicle and pedestrian interaction safety. Safety Science, 2022, 145, 105479.	4.9	25
161	Analysis of the Security of Internet of Multimedia Things. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-16.	4.3	25
162	Differential Evolution-Based 3-D Directional Wireless Sensor Network Deployment Optimization. IEEE Internet of Things Journal, 2018, 5, 3594-3605.	8.7	24

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163	A Framework for Multi-Dimensional WebGIS Based Interactive Online Virtual Community. Advanced Science Letters, 2012, 7, 215-219.	0.2	24
164	The Security of Medical Data on Internet Based on Differential Privacy Technology. ACM Transactions on Internet Technology, 2021, 21, 1-18.	4.4	23
165	Data analytics of urban fabric metrics for smart cities. Future Generation Computer Systems, 2020, 107, 871-882.	7.5	22
166	Blockchain in Big Data Security for Intelligent Transportation With 6G. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9736-9746.	8.0	22
167	A polymorphic heterogeneous security architecture for edge-enabled smart grids. Sustainable Cities and Society, 2021, 67, 102661.	10.4	22
168	AI-enabled IoT-Edge Data Analytics for Connected Living. ACM Transactions on Internet Technology, 2021, 21, 1-20.	4.4	22
169	Hand and foot gesture interaction for handheld devices. , 2013, , .		21
170	Design of an I-Shaped Less-Than-Truckload Cross-Dock: A Simulation Experiment Study. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1540019.	1.7	21
171	Marine surveying and mapping system based on Cloud Computing and Internet of Things. Future Generation Computer Systems, 2018, 85, 39-50.	7.5	21
172	AI-Assisted Energy-Efficient and Intelligent Routing for Reconfigurable Wireless Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 78-88.	6.4	21
173	Survey on atrial fibrillation detection from a single-lead ECG wave for Internet of Medical Things. Computer Communications, 2021, 178, 245-258.	5.1	21
174	Double Image Multi-Encryption Algorithm Based on Fractional Chaotic Time Series. Journal of Computational and Theoretical Nanoscience, 2015, 12, 4980-4986.	0.4	21
175	A Multi-Vehicle Longitudinal Trajectory Collision Avoidance Strategy Using AEBS With Vehicle-Infrastructure Communication. IEEE Transactions on Vehicular Technology, 2022, 71, 1253-1266.	6.3	21
176	BIM Information Integration Based VR Modeling in Digital Twins in Industry 5.0. Journal of Industrial Information Integration, 2022, 28, 100351.	6.4	21
177	Venue Topic Model–enhanced Joint Graph Modelling for Citation Recommendation in Scholarly Big Data. ACM Transactions on Asian and Low-Resource Language Information Processing, 2021, 20, 1-15.	2.0	20
178	Can blockchain link the future?. Digital Communications and Networks, 2022, 8, 687-694.	5.0	20
179	Unmanned Aircraft System Airspace Structure and Safety Measures Based on Spatial Digital Twins. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2809-2818.	8.0	20
180	WebVRGIS: A P2P Network Engine for VR Data and GIS Analysis. Lecture Notes in Computer Science, 2013, , 503-510.	1.3	20

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181	Interaction with Three-Dimensional Gesture and Character Input in Virtual Reality: Recognizing Gestures in Different Directions and Improving User Input. IEEE Consumer Electronics Magazine, 2018, 7, 64-72.	2.3	19
182	Applying machine learning in intelligent sewage treatment: A case study of chemical plant in sustainable cities. Sustainable Cities and Society, 2021, 72, 103009.	10.4	19
183	Beyond 5G for digital twins of UAVs. Computer Networks, 2021, 197, 108366.	5.1	19
184	Clinical Feedback and Technology Selection of Game Based Dysphonic Rehabilitation Tool. , 2015, , .		19
185	RLDS: An explainable residual learning diagnosis system for fetal congenital heart disease. Future Generation Computer Systems, 2022, 128, 205-218.	7.5	19
186	Security in IoT-Enabled Digital Twins of Maritime Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, , 1-9.	8.0	19
187	Finger in air. , 2013, , .		18
188	Local Stereo Matching Based on Support Weight With Motion Flow for Dynamic Scene. IEEE Access, 2016, 4, 4840-4847.	4.2	18
189	E-government multimedia big data platform for disaster management. Multimedia Tools and Applications, 2018, 77, 10077-10089.	3.9	18
190	Basic Research Methodology in Wireless Communications: The First Course for Research-Based Graduate Students. IEEE Access, 2019, 7, 86678-86696.	4.2	18
191	Artificial intelligence in the digital twins: State of the art, challenges, and future research topics. Digital Twin, 0, 1, 12.	0.0	18
192	Foot motion sensing. , 2014, , .		17
193	Towards a resource migration method in cloud computing based on node failure rule. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2611-2618.	1.4	17
194	Serious game based personalized healthcare system for dysphonia rehabilitation. Pervasive and Mobile Computing, 2017, 41, 504-519.	3.3	17
195	Many-Objective Deployment Optimization of Edge Devices for 5G Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 2117-2125.	6.4	17
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