Jun Zheng

List of Publications by Year
in descending order

86 papers	1,293 citations	516215 16 h-index	395343 33 g-index
88 all docs	88 docs citations	88 times ranked	1203 citing authors

#	Article	IF	Citations
1	A multilayer perceptron-based medical decision support system for heart disease diagnosis. Expert Systems With Applications, 2006, 30, 272-281.	4.4	254
2	Cost-sensitive boosting neural networks for software defect prediction. Expert Systems With Applications, 2010, 37, 4537-4543.	4.4	179
3	Predicting software reliability with neural network ensembles. Expert Systems With Applications, 2009, 36, 2116-2122.	4.4	99
4	Diagnosability of star graphs under the comparison diagnosis model. Information Processing Letters, 2005, 93, 29-36.	0.4	69
5	Dissecting pattern unlock: The effect of pattern strength meter on pattern selection. Journal of Information Security and Applications, 2014, 19, 308-320.	1.8	69
6	Selecting critical clinical features for heart diseases diagnosis with a real-coded genetic algorithm. Applied Soft Computing Journal, 2008, 8, 1105-1111.	4.1	55
7	Quantitative Security Risk Assessment of Android Permissions and Applications. Lecture Notes in Computer Science, 2013, , 226-241.	1.0	50
8	SFRIC: A Secure Fast Roaming Scheme in Wireless LAN Using ID-Based Cryptography. , 2007, , .		32
9	Range-Free Localization in Wireless Sensor Networks with Neural Network Ensembles. Journal of Sensor and Actuator Networks, 2012, 1, 254-271.	2.3	25
10	Microcalcification detection based on wavelet domain hidden Markov tree model: Study for inclusion to computer aided diagnostic prompting system. Medical Physics, 2007, 34, 2206-2219.	1.6	22
11	Enhancing the Security of Pattern Unlock with Surface EMG-Based Biometrics. Applied Sciences (Switzerland), 2020, 10, 541.	1.3	22
12	The internet-based knowledge acquisition and management method to construct large-scale distributed medical expert systems. Computer Methods and Programs in Biomedicine, 2004, 74, 1-10.	2.6	20
13	Detecting Cyber Attacks in Smart Grids Using Semi-Supervised Anomaly Detection and Deep Representation Learning. Information (Switzerland), 2021, 12, 328.	1.7	19
14	A New Deep Anomaly Detection-Based Method for User Authentication Using Multichannel Surface EMG Signals of Hand Gestures. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	19
15	A Situation-Aware Scheme for Efficient Device Authentication in Smart Grid-Enabled Home Area Networks. Electronics (Switzerland), 2020, 9, 989.	1.8	18
16	A Novel Unsupervised Data-Driven Method for Electricity Theft Detection in AMI Using Observer Meters. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	18
17	Wavelet Based Region Duplication Forgery Detection. , 2012, , .		17
18	Adaptive location update area design for wireless cellular networks under 2D Markov walk model. Computer Communications, 2007, 30, 2060-2069.	3.1	16

#	ARTICLE	IF	CITATIONS
19	Modeling location management in wireless networks with generally distributed parameters. Computer Communications, 2006, 29, 2386-2395.	3.1	15
20	AppRush: Using Dynamic Shortcuts to Facilitate Application Launching on Mobile Devices. Procedia Computer Science, 2013, 19, 445-452.	1.2	15
21	Development of a decision support system for heart disease diagnosis using multilayer perceptron. , 0, , .		14
22	Robust PDF Malware Detection with Image Visualization and Processing Techniques. , 2019, , .		14
23	A MEMS-based electronic capsule for time controlled drug delivery in the alimentary canal. Sensors and Actuators A: Physical, 2011, 169, 211-216.	2.0	13
24	A Simple and Effective QoS Differentiation Scheme in IEEE 802.16 WiMAX Mesh Networking. , 2007, , .		12
25	Quantitative analysis of location management and QoS in wireless networks. Journal of Network and Computer Applications, 2009, 32, 483-489.	5.8	12
26	Blind source separation with time series variational Bayes expectation maximization algorithm. , 2012, 22, 17-33.		12
27	IMAGE SEGMENTATION USING NCUT IN THE WAVELET DOMAIN. International Journal of Image and Graphics, 2006, 06, 569-582.	1.2	10
28	On Prolonging Network Lifetime through Load-Similar Node Deployment in Wireless Sensor Networks. Sensors, 2011, 11, 3527-3544.	2.1	10
29	Committee Machines with Ensembles of Multilayer Perceptron for the Support of Diagnosis of Heart Diseases. , 2006, , .		9
30	On the User Awareness of Mobile Security Recommendations. , 2017, , .		9
31	Virtual guard channel for handoff calls in integrated voice/data wireless networks. IEEE Communications Letters, 2006, 10, 263-265.	2.5	8
32	Handgrip Force Estimation Based on a Method Using Surface Electromyography (sEMG) of Extensor Carpi Radialis Longus. , 2007, , .		8
33	Privacy Pal: Improving Permission Safety Awareness of Third Party Applications in Online Social Networks. , 2015, , .		8
34	Dynamic Location Management with Personalized Location Area for Future PCS Networks. Lecture Notes in Computer Science, 2004, , 495-501.	1.0	8
35	Performance analysis of channel de-allocation schemes for dynamic resource allocation in GSMâ•GPRS networks. Electronics Letters, 2004, 40, 1544.	0.5	6
36	Dynamic Planning of Personalized Location Areas for Future PCS Networks with a Simulated Annealing Algorithm. , 0, , .		6

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37	Deep Feature Fusion for Rumor Detection on Twitter. IEEE Access, 2021, 9, 126065-126074.	2.6	6
38	A Behavior Study of the Effects of Visual Feedback on Motor Output. , 2006, 2006, 1273-6.		5
39	A multipath routeless routing protocol with an efficient location update mechanism. International Journal of Internet Protocol Technology, 2011, 6, 75.	0.2	5
40	Exploring attack vectors facilitated by miniaturized computers. , 2013, , .		5
41	QoS-Based Dynamic Channel Allocation for GSM/GPRS Networks. Lecture Notes in Computer Science, 2005, , 285-294.	1.0	5
42	Hybrid Location Update Scheme for Future PCS Networks. IEICE Transactions on Communications, 2005, E88-B, 388-391.	0.4	5
43	Detecting Microcalcifications in Digital Mammograms using Wavelet Domain Hidden Markov Tree Model. , 2006, 2006, 1972-5.		4
44	Analysis of the Effect of Channel Sub-rating in Unidirectional Call Overflow Scheme for Call Admission in Hierarchical Cellular Networks. IEEE Vehicular Technology Conference, 2007, , .	0.2	4
45	A New Method to Generate Virtual Samples for Solving Small Sample Set Problems. , 2011, , .		4
46	StopWatcher: A Mobile Application to Improve Stop Sign Awareness for Driving Safety. International Journal of Vehicular Technology, 2012, 2012, 1-8.	1.1	4
47	Feature fusion for mobile usage prediction using rank-score characteristics. , 2013, , .		4
48	Internet-based knowledge acquisition and management method to build large-scale medical expert systems. , 0, , .		3
49	Optimal pilots in frequency domain for channel estimation in MIMO-OFDM systems in mobile wireless channels. , 0, , .		3
50	A behaviour study of the effects of visual feedback on fluctuating isometric force production with force tracking tasks. International Journal of Biomedical Engineering and Technology, 2008, 1, 367.	0.2	3
51	A STUDY OF MODELS FOR HANDGRIP FORCE PREDICTION FROM SURFACE ELECTROMYOGRAPHY OF EXTENSOR MUSCLE. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 81-88.	0.3	3
52	Assessing the Therapeutic Effect of 630 nm Light-Emitting Diodes Irradiation on the Recovery of Exercise-Induced Hand Muscle Fatigue with Surface Electromyogram. International Journal of Photoenergy, 2012, 2012, 1-8.	1.4	3
53	M-Pattern: A novel scheme for improving the security of Android Pattern unlock against smudge attacks. ICT Express, 2019, 5, 192-195.	3.3	3
54	An Evaluation of One-Class Feature Selection and Classification for Zero-Day Android Malware Detection. Advances in Intelligent Systems and Computing, 2020, , 105-111.	0.5	3

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55	I-Poll: Improved Polling Scheme for Augmenting Voice Support in IEEE 802.11 PCF. IEICE Transactions on Communications, 2006, E89-B, 1964-1967.	0.4	3
56	Wavelet based feature reduction method for effective classification of hyperspectral data. , 0, , .		2
57	EDBLU: enhanced direction-based location update scheme for PCS networks. Electronics Letters, 2004, 40, 946.	0.5	2
58	An improved polling scheme for voice support in IEEE 802.11 wireless network. , 2005, , .		2
59	Adaptive Location Update Area Design for PCS Networks under 2D Markov Walk Model. Local Computer Networks (LCN), Proceedings of the IEEE Conference on, 2006, , .	0.0	2
60	Quantitative Analysis of Location Management and QoS in Wireless Mobile Networks. International Conference on Advanced Networking and Applications, 2007, , .	0.0	2
61	Simulation of the diaphragm properties of a PZT-based valveless micropump. , 2008, , .		2
62	CHARACTERIZATION OF FINGER ISOMETRIC FORCE PRODUCTION WITH MAXIMUM POWER OF SURFACE ELECTROMYOGRAPHY. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 193-199.	0.3	2
63	A study of friend recommendations for gaming communities. International Journal of Web Based Communities, 2019, 15, 292.	0.2	2
64	Title is missing!. Journal of Medical and Biological Engineering, 2012, 32, 123.	1.0	2
65	An enhanced direction-based location update scheme for PCS networks. , 0, , .		1
66	Progressive Image Transmission for Medical Applications based on Wavelet Transform with a Non-uniform Scalar Quantization Scheme. , 2006, 2006, 4795-8.		1
67	StopWatcher: A Stop Sign Awareness Mobile Application for Driving Safety. , 2012, , .		1
68	A Study of Adversarial Attacks and Detection on Deep Learning-Based Plant Disease Identification. Applied Sciences (Switzerland), 2021, 11, 1878.	1.3	1
69	Load-Similar Node Distribution for Prolonging Network Lifetime in PMRC-Based Wireless Sensor Networks. Communications in Computer and Information Science, 2009, , 384-393.	0.4	1
70	QoS-based Optimal Buffering for Short Message Transfer in GPRS/UMTS Networks. , 0, , .		0
71	Performance Analysis of Dynamic Resource Allocation with Channel De-allocation/Re-allocation in GSM/GPRS Networks. , 2006, , .		0
72	K-Selector-Based Dispatching Algorithm for Clos-Network Switches. , 2006, , .		0

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73	Analysis of FPGA Logic Block Architectures and Functional Improvement of Fine Grained Cells. , 2006, , .		0
74	PHASED MULTI-JOINT MOVEMENT OF THE INDEX FINGER DURING A FULL FLEXION CYCLE. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 303-312.	0.3	0
75	On a microfabricated Ti-alloy-based microneedle array for transdermal drug delivery. , 2008, , .		0
76	Personalized Location Area Design with Genetic Algorithm for Future PCS Networks. , 2008, , .		0
77	Multi-slot Channel Allocation for Priority Packet Transmission in the GPRS Network. , 2009, , .		0
78	The effect of 630-nm light stimulation on the sEMG signal of forearm muscle. , 2010, , .		0
79	Changes in spatial distribution of flexor digitorum superficialis muscle activity is correlated to finger's action. , 2011, 2011, 4108-11.		0
80	IMPACT OF FINGERTIP ACTIONS ON TOTAL POWER OF SURFACE ELECTROMYOGRAPHY FROM EXTRINSIC HAND MUSCLES. Journal of Mechanics in Medicine and Biology, 2012, 12, 1250056.	0.3	0
81	Popularity and player satisfaction of video games: A case study of Xbox 360. , 2014, , .		0
82	Scramble or not, that is the question a study of the security and usability of scramble keypad for PIN unlock on smartphones. , 2016, , .		0
83	LNNE: A Neural Network Ensembles-based Localization Algorithm in Wireless Sensor Networks. , 2011, , .		0
84	Semi-Supervised Outlier Detection and Deep Feature Extraction for Detecting Cyber-Attacks in Smart Grids Using PMU Data. Advances in Intelligent Systems and Computing, 2020, , 509-515.	0.5	0
85	A Behavior Study of the Effects of Visual Feedback on Motor Output. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
86	Progressive Image Transmission for Medical Applications based on Wavelet Transform with a Non-uniform Scalar Quantization Scheme. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0