

# Jun Zheng

## List of Publications by Year in descending order

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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 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        |
| 2  | 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        |
| 3  | Deep Feature Fusion for Rumor Detection on Twitter. IEEE Access, 2021, 9, 126065-126074.   | 2.6 | 6         |
| 4  | A Study of Adversarial Attacks and Detection on Deep Learning-Based Plant Disease Identification. Applied Sciences (Switzerland), 2021, 11, 1878.  | 1.3 | 1         |
| 5  | Detecting Cyber Attacks in Smart Grids Using Semi-Supervised Anomaly Detection and Deep Representation Learning. Information (Switzerland), 2021, 12, 328.                                       | 1.7 | 19        |
| 6  | A Situation-Aware Scheme for Efficient Device Authentication in Smart Grid-Enabled Home Area Networks. Electronics (Switzerland), 2020, 9, 989.  | 1.8 | 18        |
| 7  | 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         |
| 8  | Enhancing the Security of Pattern Unlock with Surface EMG-Based Biometrics. Applied Sciences (Switzerland), 2020, 10, 541.   | 1.3 | 22        |
| 9  | 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         |
| 10 | 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         |
| 11 | Robust PDF Malware Detection with Image Visualization and Processing Techniques. , 2019, , .   |     | 14        |
| 12 | A study of friend recommendations for gaming communities. International Journal of Web Based Communities, 2019, 15, 292.   | 0.2 | 2         |
| 13 | On the User Awareness of Mobile Security Recommendations. , 2017, , .  |     | 9         |
| 14 | Scramble or not, that is the question a study of the security and usability of scramble keypad for PIN unlock on smartphones. , 2016, , .  |     | 0         |
| 15 | Privacy Pal: Improving Permission Safety Awareness of Third Party Applications in Online Social Networks. , 2015, , .  |     | 8         |
| 16 | Popularity and player satisfaction of video games: A case study of Xbox 360. , 2014, , .   |     | 0         |
| 17 | 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        |
| 18 | AppRush: Using Dynamic Shortcuts to Facilitate Application Launching on Mobile Devices. Procedia Computer Science, 2013, 19, 445-452.  | 1.2 | 15        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Exploring attack vectors facilitated by miniaturized computers. , 2013, , .  |     | 5         |
| 20 | Feature fusion for mobile usage prediction using rank-score characteristics. , 2013, , .   |     | 4         |
| 21 | Quantitative Security Risk Assessment of Android Permissions and Applications. Lecture Notes in Computer Science, 2013, , 226-241.   | 1.0 | 50        |
| 22 | StopWatcher: A Mobile Application to Improve Stop Sign Awareness for Driving Safety. International Journal of Vehicular Technology, 2012, 2012, 1-8.   | 1.1 | 4         |
| 23 | 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         |
| 24 | 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         |
| 25 | StopWatcher: A Stop Sign Awareness Mobile Application for Driving Safety. , 2012, , .  |     | 1         |
| 26 | Wavelet Based Region Duplication Forgery Detection. , 2012, , .  |     | 17        |
| 27 | Range-Free Localization in Wireless Sensor Networks with Neural Network Ensembles. Journal of Sensor and Actuator Networks, 2012, 1, 254-271.  | 2.3 | 25        |
| 28 | Blind source separation with time series variational Bayes expectation maximization algorithm. , 2012, 22, 17-33.  |     | 12        |
| 29 | Title is missing!. Journal of Medical and Biological Engineering, 2012, 32, 123.   | 1.0 | 2         |
| 30 | A multipath routeless routing protocol with an efficient location update mechanism. International Journal of Internet Protocol Technology, 2011, 6, 75.  | 0.2 | 5         |
| 31 | 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        |
| 32 | A New Method to Generate Virtual Samples for Solving Small Sample Set Problems. , 2011, , .  |     | 4         |
| 33 | Changes in spatial distribution of flexor digitorum superficialis muscle activity is correlated to finger's action. , 2011, 2011, 4108-11.   |     | 0         |
| 34 | On Prolonging Network Lifetime through Load-Similar Node Deployment in Wireless Sensor Networks. Sensors, 2011, 11, 3527-3544.   | 2.1 | 10        |
| 35 | LNNE: A Neural Network Ensembles-based Localization Algorithm in Wireless Sensor Networks. , 2011, , .   |     | 0         |
| 36 | Cost-sensitive boosting neural networks for software defect prediction. Expert Systems With Applications, 2010, 37, 4537-4543.   | 4.4 | 179       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | The effect of 630-nm light stimulation on the sEMG signal of forearm muscle. , 2010, , .   |     | 0         |
| 38 | 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         |
| 39 | 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         |
| 40 | Quantitative analysis of location management and QoS in wireless networks. Journal of Network and Computer Applications, 2009, 32, 483-489.  | 5.8 | 12        |
| 41 | Predicting software reliability with neural network ensembles. Expert Systems With Applications, 2009, 36, 2116-2122.  | 4.4 | 99        |
| 42 | Multi-slot Channel Allocation for Priority Packet Transmission in the GPRS Network. , 2009, , .  |     | 0         |
| 43 | 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         |
| 44 | 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        |
| 45 | Simulation of the diaphragm properties of a PZT-based valveless micropump. , 2008, , .   |     | 2         |
| 46 | 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         |
| 47 | On a microfabricated Ti-alloy-based microneedle array for transdermal drug delivery. , 2008, , .   |     | 0         |
| 48 | Personalized Location Area Design with Genetic Algorithm for Future PCS Networks. , 2008, , .  |     | 0         |
| 49 | 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         |
| 50 | 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        |
| 51 | Handgrip Force Estimation Based on a Method Using Surface Electromyography (sEMG) of Extensor Carpi Radialis Longus. , 2007, , .   |     | 8         |
| 52 | A Simple and Effective QoS Differentiation Scheme in IEEE 802.16 WiMAX Mesh Networking. , 2007, , .  |     | 12        |
| 53 | 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         |
| 54 | Quantitative Analysis of Location Management and QoS in Wireless Mobile Networks. International Conference on Advanced Networking and Applications, 2007, , .  | 0.0 | 2         |

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|----|--|-----|-----------|
| 55 | SFRIC: A Secure Fast Roaming Scheme in Wireless LAN Using ID-Based Cryptography. , 2007, , .   |     | 32        |
| 56 | Adaptive location update area design for wireless cellular networks under 2D Markov walk model. Computer Communications, 2007, 30, 2060-2069.  | 3.1 | 16        |
| 57 | Performance Analysis of Dynamic Resource Allocation with Channel De-allocation/Re-allocation in GSM/GPRS Networks. , 2006, , .   |     | 0         |
| 58 | K-Selector-Based Dispatching Algorithm for Clos-Network Switches. , 2006, , .  |     | 0         |
| 59 | Virtual guard channel for handoff calls in integrated voice/data wireless networks. IEEE Communications Letters, 2006, 10, 263-265.  | 2.5 | 8         |
| 60 | Analysis of FPGA Logic Block Architectures and Functional Improvement of Fine Grained Cells. , 2006, , .   |     | 0         |
| 61 | Committee Machines with Ensembles of Multilayer Perceptron for the Support of Diagnosis of Heart Diseases. , 2006, , .   |     | 9         |
| 62 | A multilayer perceptron-based medical decision support system for heart disease diagnosis. Expert Systems With Applications, 2006, 30, 272-281.  | 4.4 | 254       |
| 63 | Modeling location management in wireless networks with generally distributed parameters. Computer Communications, 2006, 29, 2386-2395.   | 3.1 | 15        |
| 64 | Progressive Image Transmission for Medical Applications based on Wavelet Transform with a Non-uniform Scalar Quantization Scheme. , 2006, 2006, 4795-8.  |     | 1         |
| 65 | A Behavior Study of the Effects of Visual Feedback on Motor Output. , 2006, 2006, 1273-6.  |     | 5         |
| 66 | Detecting Microcalcifications in Digital Mammograms using Wavelet Domain Hidden Markov Tree Model. , 2006, 2006, 1972-5.   |     | 4         |
| 67 | IMAGE SEGMENTATION USING NCUT IN THE WAVELET DOMAIN. International Journal of Image and Graphics, 2006, 06, 569-582.   | 1.2 | 10        |
| 68 | 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         |
| 69 | 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         |
| 70 | 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         |
| 71 | 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         |
| 72 | Diagnosability of star graphs under the comparison diagnosis model. Information Processing Letters, 2005, 93, 29-36.   | 0.4 | 69        |

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|----|---|-----|-----------|
| 73 | An improved polling scheme for voice support in IEEE 802.11 wireless network. , 2005, , .   |     | 2         |
| 74 | QoS-Based Dynamic Channel Allocation for GSM/GPRS Networks. Lecture Notes in Computer Science, 2005, , 285-294.   | 1.0 | 5         |
| 75 | Hybrid Location Update Scheme for Future PCS Networks. IEICE Transactions on Communications, 2005, E88-B, 388-391.  | 0.4 | 5         |
| 76 | EDBLU: enhanced direction-based location update scheme for PCS networks. Electronics Letters, 2004, 40, 946.  | 0.5 | 2         |
| 77 | Performance analysis of channel de-allocation schemes for dynamic resource allocation in GSM^GPRS networks. Electronics Letters, 2004, 40, 1544.  | 0.5 | 6         |
| 78 | 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        |
| 79 | Dynamic Location Management with Personalized Location Area for Future PCS Networks. Lecture Notes in Computer Science, 2004, , 495-501.  | 1.0 | 8         |
| 80 | Internet-based knowledge acquisition and management method to build large-scale medical expert systems. , 0, , .  |     | 3         |
| 81 | Development of a decision support system for heart disease diagnosis using multilayer perceptron. , 0, , .  |     | 14        |
| 82 | Wavelet based feature reduction method for effective classification of hyperspectral data. , 0, , .   |     | 2         |
| 83 | An enhanced direction-based location update scheme for PCS networks. , 0, , .   |     | 1         |
| 84 | Optimal pilots in frequency domain for channel estimation in MIMO-OFDM systems in mobile wireless channels. , 0, , .  |     | 3         |
| 85 | QoS-based Optimal Buffering for Short Message Transfer in GPRS/UMTS Networks. , 0, , .  |     | 0         |
| 86 | Dynamic Planning of Personalized Location Areas for Future PCS Networks with a Simulated Annealing Algorithm. , 0, , .  |     | 6         |