Qi Wu

List of Publications by Year
in descending order

55 papers	1,128 citations	394421 19 h-index	434195 31 g-index
56 all docs	56 docs citations	56 times ranked	1015 citing authors

#	Article	IF	Citations
1	Rice transcription factor OsMADS25 modulates root growth and confers salinity tolerance via the ABA–mediated regulatory pathway and ROS scavenging. PLoS Genetics, 2018, 14, e1007662.	3.5	146
2	Hybrid dual-tree complex wavelet transform and support vector machine for digital multi-focus image fusion. Neurocomputing, 2016, 182, 1-9.	5.9	74
3	Dynamic response of pile groups subjected to horizontal loads. Canadian Geotechnical Journal, 2020, 57, 469-481.	2.8	64
4	Detecting Fatigue Status of Pilots Based on Deep Learning Network Using EEG Signals. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 575-585.	3.8	51
5	Pilots' Fatigue Status Recognition Using Deep Contractive Autoencoder Network. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3907-3919.	4.7	45
6	Nonparametric Bayesian Prior Inducing Deep Network for Automatic Detection of Cognitive Status. IEEE Transactions on Cybernetics, 2021, 51, 5483-5496.	9.5	45
7	Self-Paced Dynamic Infinite Mixture Model for Fatigue Evaluation of Pilots' Brains. IEEE Transactions on Cybernetics, 2022, 52, 5623-5638.	9.5	44
8	Factors that influence users' adoption intention of mobile health: a structural equation modeling approach. International Journal of Production Research, 2017, 55, 5801-5815.	7.5	41
9	Rice transcription factor OsMADS57 regulates plant height by modulating gibberellin catabolism. Rice, 2019, 12, 38.	4.0	40
10	OsMADS27 regulates the root development in a NO3−–Dependent manner and modulates the salt tolerance in rice (Oryza sativa L.). Plant Science, 2018, 277, 20-32.	3.6	35
11	A Self-Adaptive 1D Convolutional Neural Network for Flight-State Identification. Sensors, 2019, 19, 275.	3.8	30
12	Detecting Dynamic Behavior of Brain Fatigue Through 3-D-CNN-LSTM. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 90-100.	9.3	29
13	Rotated Sphere Haar Wavelet and Deep Contractive Auto-Encoder Network With Fuzzy Gaussian SVM for Pilot's Pupil Center Detection. IEEE Transactions on Cybernetics, 2021, 51, 332-345.	9.5	27
14	Effects of LED illumination spectra on glucosinolate and sulforaphane accumulation in broccoli seedlings. Food Chemistry, 2021, 356, 129550.	8.2	27
15	OsNAC016 regulates plant architecture and drought tolerance by interacting with the kinases GSK2 and SAPK8. Plant Physiology, 2022, 189, 1296-1313.	4.8	27
16	Dual tumor-targeted poly(lactic-co-glycolic acid)&ndash;polyethylene glycol&ndash;folic acid nanoparticles: a novel biodegradable nanocarrier for secure and efficient antitumor drug delivery. International Journal of Nanomedicine, 2017, Volume 12, 5745-5760.	6.7	26
17	A Multilayer Neural Network Merging Image Preprocessing and Pattern Recognition by Integrating Diffusion and Drift Memristors. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 645-656.	3.8	26
18	OsFPFL4 is Involved in the Root and Flower Development by Affecting Auxin Levels and ROS Accumulation in Rice (Oryza sativa). Rice, 2020, 13, 2.	4.0	22

#	Article	IF	Citations
19	A Forecasting Model Based Support Vector Machine and Particle Swarm Optimization. , 2008, , .		21
20	Nonparametric Hierarchical Hidden Semi-Markov Model for Brain Fatigue Behavior Detection of Pilots During Flight. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5245-5256.	8.0	20
21	Hybrid local diffusion maps and improved cuckoo search algorithm for multiclass dataset analysis. Neurocomputing, 2016, 189, 106-116.	5.9	19
22	Using structural equation modeling to analyze patient value, satisfaction, and loyalty: a case study of healthcare in China. International Journal of Production Research, 2020, 58, 577-596.	7.5	19
23	Development of an atmospheric-pressure homogeneous and cold Ar/O2 plasma source operating in glow discharge. Physics of Plasmas, 2010, 17, .	1.9	18
24	The WUSCHEL-related homeobox transcription factor OsWOX4 controls the primary root elongation by activating OsAUX1 in rice. Plant Science, 2020, 298, 110575.	3.6	17
25	ROpenPose: A Rapider OpenPose Model for Astronaut Operation Attitude Detection. IEEE Transactions on Industrial Electronics, 2022, 69, 1043-1052.	7.9	16
26	Novel Nonlinear Approach for Real-Time Fatigue EEG Data: An Infinitely Warped Model of Weighted Permutation Entropy. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2437-2448.	8.0	14
27	Effect of selenium–sulfur interaction on the anabolism of sulforaphane in broccoli. Phytochemistry, 2020, 179, 112499.	2.9	14
28	AVMSN: An Audio-Visual Two Stream Crowd Counting Framework Under Low-Quality Conditions. IEEE Access, 2021, 9, 80500-80510.	4.2	14
29	Multi-Features Fusion for Fault Diagnosis of Pedal Robot Using Time-Speed Signals. Sensors, 2019, 19, 163.	3.8	13
30	Research on wear detection of wheel in precision NC curve point grinding. International Journal of Advanced Manufacturing Technology, 2008, 35, 994-999.	3.0	12
31	RDC-SAL: Refine distance compensating with quantum scale-aware learning for crowd counting and localization. Applied Intelligence, 2022, 52, 14336-14348.	5.3	12
32	A hybrid evaluation model for flight performance based on bacterial foraging and Elman network. Aerospace Science and Technology, 2016, 55, 392-399.	4.8	11
33	Flight State Identification of a Self-Sensing Wing via an Improved Feature Selection Method and Machine Learning Approaches. Sensors, 2018, 18, 1379.	3.8	11
34	Cognitive state recognition using wavelet singular entropy and ARMA entropy with AFPA optimized GP classification. Neurocomputing, 2016, 197, 29-44.	5.9	8
35	Peptides with 16R in S2 protein showed broad reactions with sera against different types of infectious bronchitis viruses. Veterinary Microbiology, 2019, 236, 108391.	1.9	8
36	Monitoring Scheduling of Drones for Emission Control Areas: An Ant Colony-Based Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11699-11709.	8.0	8

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37	Scalable Gamma-Driven Multilayer Network for Brain Workload Detection Through Functional Near-Infrared Spectroscopy. IEEE Transactions on Cybernetics, 2022, 52, 12464-12478.	9.5	7
38	A Hybrid Forecasting Model Based on Chaotic Mapping and Improved v-Support Vector Machine. , 2008, , .		6
39	A SHORT-TERM FORECASTING MODEL WITH INHIBITING NORMAL DISTRIBUTION NOISE OF SALE SERIES. Applied Artificial Intelligence, 2013, 27, 496-519.	3.2	6
40	Non-spike timing-dependent plasticity learning mechanism for memristive neural networks. Applied Intelligence, 2021, 51, 3684-3695.	5.3	6
41	Flight Situation Recognition Under Different Weather Conditions. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1753-1767.	4.7	6
42	Semi-Supervised 3D Medical Image Segmentation Based on Dual-Task Consistent Joint Learning and Task-Level Regularization. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 2457-2467.	3.0	6
43	CRISPR-Cas9 Mediated Mutation in OsPUB43 Improves Grain Length and Weight in Rice by Promoting Cell Proliferation in Spikelet Hull. International Journal of Molecular Sciences, 2022, 23, 2347.	4.1	6
44	A new digital measurement method for accurate curve grinding process. International Journal of Advanced Manufacturing Technology, 2008, 36, 305-314.	3.0	5
45	Spectral analysis of surface EMG based on empirical mode decomposition. Optik, 2014, 125, 7045-7052.	2.9	5
46	PCYT1A suppresses proliferation and migration via inhibiting mTORC1 pathway in lung adenocarcinoma. Biochemical and Biophysical Research Communications, 2020, 529, 353-361.	2.1	5
47	Inferring Flight Performance Under Different Maneuvers With Pilot's Multi-Physiological Parameters. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11338-11348.	8.0	4
48	Evaluation method of medical service system based on DEMATEL and the information entropy: A case study of hypertension diagnosis and treatment in China. PLoS ONE, 2020, 15, e0243832.	2.5	4
49	Detecting Alzheimer's Dementia Degree. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 116-125.	3.8	3
50	Peptide enzyme-linked immunosorbent assay (pELISA) as a possible alternative to the neutralization test for evaluating the immune response to IBV vaccine. BMC Veterinary Research, 2021, 17, 51.	1.9	2
51	Multistage Pixel-Visibility Learning With Cost Regularization for Multiview Stereo. IEEE Transactions on Automation Science and Engineering, 2023, 20, 751-762.	5.2	2
52	A Peptide-Based Enzyme-Linked Immunosorbent Assay for Detecting Antibodies Against Avian Infectious Bronchitis Virus. Frontiers in Veterinary Science, 2020, 7, 619601.	2.2	1
53	A Study of Deadlock Avoidance Strategy in Knowledgeable Manufacturing Systems. , 2008, , .		0
54	Robust consensus of multi-satellite systems based on the characteristic model method. , 2020, , .		0

#	Article	IF	Citations
55	Spherical-Orthogonal-Symmetric Haar Wavelet for Driver's Visual Detection. IEEE Transactions on Intelligent Vehicles, 2022, , 1-11.	12.7	0