Shouyi Wang

List of Publications by Year
in descending order

52	899	516710	501196
papers	citations	16	28
		h-index	g-index

55	55	55	1023
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using Wireless EEG Signals to Assess Memory Workload in the <inline-formula> <tex-math notation="LaTeX"> n</tex-math> </inline-formula>-Back Task. IEEE Transactions on Human-Machine Systems, 2016, 46, 424-435.	3.5	132
2	Machine Learning Algorithms in Bipedal Robot Control. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 728-743.	2.9	66
3	Online Prediction of Driver Distraction Based on Brain Activity Patterns. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 136-150.	8.0	64
4	Online Seizure Prediction Using an Adaptive Learning Approach. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2854-2866.	5.7	60
5	Pattern- and Network-Based Classification Techniques for Multichannel Medical Data Signals to Improve Brain Diagnosis. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 977-988.	2.9	41
6	Temporal dynamics of eye‐tracking and EEG during reading and relevance decisions. Journal of the Association for Information Science and Technology, 2017, 68, 2299-2312.	2.9	37
7	An fNIRS-Based Feature Learning and Classification Framework to Distinguish Hemodynamic Patterns in Children Who Stutter. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1254-1263.	4.9	35
8	Residues, dissipation kinetics, and dietary intake risk assessment of two fungicides in grape and soil. Regulatory Toxicology and Pharmacology, 2018, 100, 72-79.	2.7	32
9	Genetic dissection on wheat flour quality traits in two related populations. Euphytica, 2015, 203, 221-235.	1.2	31
10	Wind farm layout optimization using adaptive evolutionary algorithm with Monte Carlo Tree Search reinforcement learning. Energy Conversion and Management, 2022, 252, 115047.	9.2	29
11	Genetic dissection of interaction between wheat protein and starch using three mapping populations. Molecular Breeding, 2015, 35, 1.	2.1	24
12	Peripheral blood microRNAs expression is associated with infant respiratory syncytial virus infection. Oncotarget, 2017, 8, 96627-96635.	1.8	23
13	Graph Regularized EEG Source Imaging with In-Class Consistency and Out-Class Discrimination. IEEE Transactions on Big Data, 2017, 3, 378-391.	6.1	20
14	Dissipation, residues and risk assessment of spirotetramat and its four metabolites in citrus and soil under field conditions by LC‐MS/MS. Biomedical Chromatography, 2018, 32, e4153.	1.7	20
15	Multitask Learning Radiomics on Longitudinal Imaging to Predict Survival Outcomes following Risk-Adaptive Chemoradiation for Non-Small Cell Lung Cancer. Cancers, 2022, 14, 1228.	3.7	20
16	Early Detection of Numerical Typing Errors Using Data Mining Techniques. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 1199-1212.	2.9	19
17	Respiratory syncytial virus nonstructural proteins 1 and 2 are crucial pathogenic factors that modulate interferon signaling and Treg cell distribution in mice. Virology, 2015, 485, 223-232.	2.4	18
18	Probing Protein Allostery as a Residue-Specific Concept via Residue Response Maps. Journal of Chemical Information and Modeling, 2019, 59, 4691-4705.	5.4	17

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19	An Adaptive Pattern Learning Framework to Personalize Online Seizure Prediction. IEEE Transactions on Big Data, 2021, 7, 819-831.	6.1	16
20	A novel reinforcement learning framework for online adaptive seizure prediction. , 2010, , .		15
21	Respiratory trace feature analysis for the prediction of respiratory-gated PET quantification. Physics in Medicine and Biology, 2014, 59, 1027-1045.	3.0	14
22	Machine Learning Classification Model for Functional Binding Modes of TEM-1 Î²-Lactamase. Frontiers in Molecular Biosciences, 2019, 6, 47.	3.5	13
23	Dissipation, residues, and risk assessment of imidacloprid in Zizania latifolia and purple sweet potato under field conditions using LC-MS/MS. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 89-97.	1.5	12
24	An integrated feature ranking and selection framework for ADHD characterization. Brain Informatics, 2016, 3, 145-155.	3.0	11
25	Assessment of neonatal brain volume and growth at different postmenstrual ages by conventional MRI. Medicine (United States), 2018, 97, e11633.	1.0	10
26	Reinforcement Learning Control for Biped Robot Walking on Uneven Surfaces. , 2006, , .		9
27	EEG source imaging based on spatial and temporal graph structures. , 2017, , .		9
28	Applied optimization and data mining. Annals of Operations Research, 2017, 249, 1-3.	4.1	8
29	An Interactive Multisensing Framework for Personalized Human Robot Collaboration and Assistive Training Using Reinforcement Learning. , 2017, , .		8
30	Simultaneous determination of residues of thiamethoxam and its metabolite clothianidin in tobacco leaf and soil using liquid chromatographyâ€tandem mass spectrometry. Biomedical Chromatography, 2018, 32, e4225.	1.7	8
31	Emotion Recognition and EEG Analysis Using ADMM-Based Sparse Group Lasso. IEEE Transactions on Affective Computing, 2022, 13, 199-210.	8.3	8
32	Sensitivity analysis of FDG PET tumor voxel cluster radiomics and dosimetry for predicting mid-chemoradiation regional response of locally advanced lung cancer. Physics in Medicine and Biology, 2020, 65, 205007.	3.0	7
33	Stereoselective Bioaccumulation of Water and Soil-Associated Dufulin Enantiomers in <i>Tubifex</i>. Journal of Agricultural and Food Chemistry, 2017, 65, 8569-8577.	5.2	6
34	Residue dynamics and risk assessment of dimethoate in sweet potato, purple flowering stalk, Chinese kale, celery, and soil. Human and Ecological Risk Assessment (HERA), 2018, 24, 767-783.	3.4	6
35	Profiling of contemporary beer styles using liquid chromatography quadrupole time-of-flight mass spectrometry, multivariate analysis, and machine learning techniques. Analytica Chimica Acta, 2021, 1172, 338668.	5.4	6
36	Prediction of Seizure Spread Network via Sparse Representations of Overcomplete Dictionaries. Lecture Notes in Computer Science, 2016, , 262-273.	1.3	6

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37	Supervised Discriminative EEG Brain Source Imaging with Graph Regularization. Lecture Notes in Computer Science, 2017, , 495-504.	1.3	5
38	Linear Programming for Multi-Agent Demand Response. IEEE Access, 2019, 7, 181479-181490.	4.2	5
39	Oxidative Stress and Enantioselective Degradation of Dufulin on Tubifex. Environmental Toxicology and Chemistry, 2020, 39, 2136-2146.	4.3	4
40	Estimating Latent Brain Sources with Low-Rank Representation and Graph Regularization. Lecture Notes in Computer Science, 2018, , 304-316.	1.3	4
41	Pattern Classification and Analysis of Memory Processing in Depression Using EEG Signals. Lecture Notes in Computer Science, 2016, , 124-137.	1.3	3
42	A Patient-Specific Model for Predicting Tibia Soft Tissue Insertions From Bony Outlines Using a Spatial Structure Supervised Learning Framework. IEEE Transactions on Human-Machine Systems, 2016, 46, 638-646.	3.5	3
43	Genetic dissection reveals effects of interaction between high-molecular-weight glutenin subunits and waxy alleles on dough-mixing properties in common wheat. Journal of Genetics, 2013, 92, 69-79.	0.7	2
44	A gradient-based adaptive learning framework for online seizure prediction. International Journal of Data Mining and Bioinformatics, 2014, 10, 49.	0.1	2
45	A Comprehensive Feature and Data Mining Study on Musician Memory Processing Using EEG Signals. Lecture Notes in Computer Science, 2016, , 138-148.	1.3	2
46	Supervised EEG Source Imaging with Graph Regularization in Transformed Domain. Lecture Notes in Computer Science, 2017, , 59-71.	1.3	2
47	Discriminative Spectral Pattern Analysis for Positive Margin Detection of Prostate Cancer Specimens using Light Reflectance Spectroscopy. IISE Transactions on Healthcare Systems Engineering, 2018, 8, 144-154.	1.7	1
48	A Novel Mutual-Information-Guided Sparse Feature Selection Approach for Epilepsy Diagnosis Using Interictal EEG Signals. Lecture Notes in Computer Science, 2016, , 274-284.	1.3	1
49	Integration of Digital Information Building. , 2008, , .		0
50	Preliminary studies on construction of urban energy organic networks system. , 2009, , .		0
51	Cost-effectiveness of patient-specific motion management strategy in lung cancer radiation therapy planning. Engineering Economist, 2019, 64, 368-386.	1.1	0
52	Sparse group selection and analysis of <scp>function‐related</scp> residue for <scp>protein‐state</scp> recognition. Journal of Computational Chemistry, 2022, 43, 1342-1354.	3.3	0