

Zehong Cao

List of Publications by Year in descending order

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2,541
citations

172207

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2307
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforcement Learning From Hierarchical Critics. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1066-1073.	7.2	3
2	Distributed Semisupervised Fuzzy Regression With Interpolation Consistency Regularization. IEEE Transactions on Fuzzy Systems, 2022, 30, 3125-3137.	6.5	2
3	A Generalized Deep Neural Network Approach for Digital Watermarking Analysis. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 613-627.	3.4	19
4	Jam-Absorption Driving Strategy for Improving Safety Near Oscillations in a Connected Vehicle Environment Considering Consequential Jams. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 41-52.	2.6	6
5	M2SPL: Generative multiview features with adaptive meta-self-paced sampling for class-imbalance learning. Expert Systems With Applications, 2022, 189, 115999.	4.4	5
6	L1-norm based time-varying brain neural network and its application to dynamic analysis for motor imagery. Journal of Neural Engineering, 2022, 19, 026019.	1.8	4
7	A generalized RÃ©nyi divergence for multi-source information fusion with its application in EEG data analysis. Information Sciences, 2022, 605, 225-243.	4.0	40
8	Effective Brain State Estimation During Propofol-Induced Sedation Using Advanced EEG Microstate Spectral Analysis. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 978-987.	3.9	21
9	Investigation of multiple heterogeneous relationships using a q-rung orthopair fuzzy multi-criteria decision algorithm. Neural Computing and Applications, 2021, 33, 10771.	3.2	42
10	Enhancing Transferability of Deep Reinforcement Learning-Based Variable Speed Limit Control Using Transfer Learning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4684-4695.	4.7	21
11	A Novel Conflict Measurement in Decision-Making and Its Application in Fault Diagnosis. IEEE Transactions on Fuzzy Systems, 2021, 29, 186-197.	6.5	110
12	Multigranulation Supertrust Model for Attribute Reduction. IEEE Transactions on Fuzzy Systems, 2021, 29, 1395-1408.	6.5	45
13	A Generalized Golden Rule Representative Value for Multiple-Criteria Decision Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3193-3204.	5.9	12
14	A Practical Model Based on Anomaly Detection for Protecting Medical IoT Control Services Against External Attacks. IEEE Transactions on Industrial Informatics, 2021, 17, 4260-4269.	7.2	30
15	Reconfiguration of Brain Network Between Resting State and P300 Task. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 383-390.	2.6	11
16	Identification of EEG Dynamics During Freezing of Gait and Voluntary Stopping in Patients With Parkinsonâ€™s Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1774-1783.	2.7	11
17	A Reinforcement Learning-Based Vehicle Platoon Control Strategy for Reducing Energy Consumption in Traffic Oscillations. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5309-5322.	7.2	33
18	Weak Human Preference Supervision for Deep Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5369-5378.	7.2	19

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19	Classifying Multi-Level Stress Responses From Brain Cortical EEG in Nurses and Non-Health Professionals Using Machine Learning Auto Encoder. IEEE Journal of Translational Engineering in Health and Medicine, 2021, 9, 1-9.	2.2	11
20	A Long Short-Term Memory Network for Sparse Spatiotemporal EEG Source Imaging. IEEE Transactions on Medical Imaging, 2021, 40, 3787-3800.	5.4	18
21	Guest Editorial Special Issue on Emerging Computational Intelligence Techniques for Decision Making With Big Data in Uncertain Environments. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 2-5.	3.4	0
22	The Impact of Vigorous Cycling Exercise on Visual Attention: A Study With the BR8 Wireless Dry EEG System. Frontiers in Neuroscience, 2021, 15, 621365.	1.4	6
23	Editorial on Special Issue: "Applications of Intelligent and Fuzzy Theory in Data Science" International Journal of Fuzzy Systems, 2021, 23, 492-493.	2.3	0
24	Attribute reduction with fuzzy rough self-information measures. Information Sciences, 2021, 549, 68-86.	4.0	106
25	Reliability of EEG microstate analysis at different electrode densities during propofol-induced transitions of brain states. NeuroImage, 2021, 231, 117861.	2.1	44
26	Privacy-preserving Time-series Medical Images Analysis Using a Hybrid Deep Learning Framework. ACM Transactions on Internet Technology, 2021, 21, 1-21.	3.0	19
27	Brain variability in dynamic resting-state networks identified by fuzzy entropy: a scalp EEG study. Journal of Neural Engineering, 2021, 18, 046097.	1.8	23
28	A fuzzy preference-based Dempster-Shafer evidence theory for decision fusion. Information Sciences, 2021, 570, 306-322.	4.0	39
29	CDE-GAN: Cooperative Dual Evolution-Based Generative Adversarial Network. IEEE Transactions on Evolutionary Computation, 2021, 25, 986-1000.	7.5	16
30	EEG-Based Brain-Computer Interfaces (BCIs): A Survey of Recent Studies on Signal Sensing Technologies and Computational Intelligence Approaches and Their Applications. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1645-1666.	1.9	144
31	Interpretable Fuzzy Logic Control for Multirobot Coordination in a Cluttered Environment. IEEE Transactions on Fuzzy Systems, 2021, 29, 3676-3685.	6.5	12
32	Identification of the General Anesthesia Induced Loss of Consciousness by Cross Fuzzy Entropy-Based Brain Network. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2281-2291.	2.7	6
33	Guest Editorial: Fuzzy Systems Toward Human-Explainable Artificial Intelligence and Their Applications. IEEE Transactions on Fuzzy Systems, 2021, 29, 3577-3578.	6.5	4
34	Optimizing streaming graph partitioning via a heuristic greedy method and caching strategy. Optimization Methods and Software, 2020, 35, 1144-1159.	1.6	5
35	Effects of repetitive SSVEPs on EEG complexity using multiscale inherent fuzzy entropy. Neurocomputing, 2020, 389, 198-206.	3.5	69
36	An interval-valued Pythagorean prioritized operator-based game theoretical framework with its applications in multicriteria group decision making. Neural Computing and Applications, 2020, 32, 7641-7659.	3.2	60

#	ARTICLE	IF	CITATIONS
37	Extraction of SSVEPs-Based Inherent Fuzzy Entropy Using a Wearable Headband EEG in Migraine Patients. IEEE Transactions on Fuzzy Systems, 2020, 28, 14-27.	6.5	86
38	THP: A Novel Authentication Scheme to Prevent Multiple Attacks in SDN-Based IoT Network. IEEE Internet of Things Journal, 2020, 7, 5745-5759.	5.5	37
39	Cloud-Assisted Multiview Video Summarization Using CNN and Bidirectional LSTM. IEEE Transactions on Industrial Informatics, 2020, 16, 77-86.	7.2	101
40	Predicting individual decision-making responses based on single-trial EEG. NeuroImage, 2020, 206, 116333.	2.1	47
41	A multi-objective adaptive evolutionary algorithm to extract communities in networks. Swarm and Evolutionary Computation, 2020, 52, 100629.	4.5	28
42	An Effective Reliability Evaluation Method for Power Communication Network Based on Community Structure. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	3
43	A Semantic Collaboration Method Based on Uniform Knowledge Graph. IEEE Internet of Things Journal, 2020, 7, 4473-4484.	5.5	10
44	Seizure Prediction Using Directed Transfer Function and Convolution Neural Network on Intracranial EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2711-2720.	2.7	50
45	IEEE Access Special Section Editorial: Neural Engineering Informatics. IEEE Access, 2020, 8, 201696-201699.	2.6	0
46	A generalized belief interval-valued soft set with applications in decision making. Soft Computing, 2020, 24, 9339-9350.	2.1	12
47	A Fuzzy Interval Time-Series Energy and Financial Forecasting Model Using Network-Based Multiple Time-Frequency Spaces and the Induced-Ordered Weighted Averaging Aggregation Operation. IEEE Transactions on Fuzzy Systems, 2020, 28, 2677-2690.	6.5	39
48	Privacy Protection for Medical Data Sharing in Smart Healthcare. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-18.	3.0	22
49	Random Forest with Self-Paced Bootstrap Learning in Lung Cancer Prognosis. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-12.	3.0	21
50	A review of artificial intelligence for EEG-based brain-computer interfaces and applications. Brain Science Advances, 2020, 6, 162-170.	0.3	34
51	HandiText. ACM/IMS Transactions on Data Science, 2020, 1, 1-18.	2.1	6
52	An EEG Majority Vote Based BCI Classification System for Discrimination of Hand Motor Attempts in Stroke Patients. Communications in Computer and Information Science, 2020, , 46-53.	0.4	0
53	An Evoked Potential-Guided Deep Learning Brain Representation for Visual Classification. Communications in Computer and Information Science, 2020, , 54-61.	0.4	5
54	Adaptive Subspace Sampling for Class Imbalance Processing-Some clarifications, algorithm, and further investigation including applications to Brain Computer Interface. , 2020, , .		0

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55	Deep Neuro-Cognitive Co-Evolution for Fuzzy Attribute Reduction by Quantum Leaping PSO With Nearest-Neighbor Memplexes. IEEE Transactions on Cybernetics, 2019, 49, 2744-2757.	6.2	70
56	Graph representation learning with encoding edges. Neurocomputing, 2019, 361, 29-39.	3.5	19
57	Enhancing Network Embedding with Implicit Clustering. Lecture Notes in Computer Science, 2019, , 452-467.	1.0	6
58	A Community Merger of Optimization Algorithm to Extract Overlapping Communities in Networks. IEEE Access, 2019, 7, 3994-4005.	2.6	8
59	Local Expansion and Optimization for Higher-Order Graph Clustering. IEEE Internet of Things Journal, 2019, 6, 8702-8713.	5.5	10
60	A Decision Method for Online Purchases Considering Dynamic Information Preference Based on Sentiment Orientation Classification and Discrete DIFWA Operators. IEEE Access, 2019, 7, 77008-77026.	2.6	19
61	A New Distance for Intuitionistic Fuzzy Sets Based on Similarity Matrix. IEEE Access, 2019, 7, 70436-70446.	2.6	20
62	Descriptor Selection Improvements for Quantitative Structure-Activity Relationships. International Journal of Neural Systems, 2019, 29, 1950016.	3.2	11
63	Multi-channel EEG recordings during a sustained-attention driving task. Scientific Data, 2019, 6, 19.	2.4	123
64	Shared Nearest-Neighbor Quantum Game-Based Attribute Reduction With Hierarchical Coevolutionary Spark and Its Application in Consistent Segmentation of Neonatal Cerebral Cortical Surfaces. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2013-2027.	7.2	39
65	Tensor Decomposition for EEG Signals Retrieval. , 2019, , .		1
66	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	15
67	Q-rung Orthopair Normal Fuzzy Aggregation Operators and Their Application in Multi-Attribute Decision-Making. Mathematics, 2019, 7, 1142.	1.1	19
68	Semi-supervised feature learning for improving writer identification. Information Sciences, 2019, 482, 156-170.	4.0	38
69	Identifying Ketamine Responses in Treatment-Resistant Depression Using a Wearable Forehead EEG. IEEE Transactions on Biomedical Engineering, 2019, 66, 1668-1679.	2.5	57
70	Marine Vertebrate Predator Detection and Recognition in Underwater Videos by Region Convolutional Neural Network. Lecture Notes in Computer Science, 2019, , 66-80.	1.0	3
71	Inherent Fuzzy Entropy for the Improvement of EEG Complexity Evaluation. IEEE Transactions on Fuzzy Systems, 2018, 26, 1032-1035.	6.5	164
72	A Layered-Coevolution-Based Attribute-Boosted Reduction Using Adaptive Quantum-Behavior PSO and Its Consistent Segmentation for Neonates Brain Tissue. IEEE Transactions on Fuzzy Systems, 2018, 26, 1177-1191.	6.5	51

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73	Exploring resting-state EEG complexity before migraine attacks. <i>Cephalalgia</i> , 2018, 38, 1296-1306.	1.8	36
74	A Modified Distance Dynamics Model for Improvement of Community Detection. <i>IEEE Access</i> , 2018, 6, 63934-63947.	2.6	4
75	A Multimodel Fusion Engine for Filtering Webpages. <i>IEEE Access</i> , 2018, 6, 66062-66071.	2.6	2
76	Peroxidasin contributes to lung host defense by direct binding and killing of gram-negative bacteria. <i>PLoS Pathogens</i> , 2018, 14, e1007026.	2.1	16
77	Brain Electrodynamic and Hemodynamic Signatures Against Fatigue During Driving. <i>Frontiers in Neuroscience</i> , 2018, 12, 181.	1.4	55
78	Parallel Community Detection Based on Distance Dynamics for Large-Scale Network. <i>IEEE Access</i> , 2018, 6, 42775-42789.	2.6	17
79	Forehead EEG in Support of Future Feasible Personal Healthcare Solutions: Sleep Management, Headache Prevention, and Depression Treatment. <i>IEEE Access</i> , 2017, 5, 10612-10621.	2.6	48
80	EEG-Based Brain-Computer Interfaces: A Novel Neurotechnology and Computational Intelligence Method. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2017, 3, 16-26.	1.2	31
81	Estimation of SSVEP-based EEG complexity using inherent fuzzy entropy. , 2017, , .		8
82	Resting-state EEG power and coherence vary between migraine phases. <i>Journal of Headache and Pain</i> , 2016, 17, 102.	2.5	59
83	VPO1 mediates oxidation of LDL and formation of foam cells. <i>Oncotarget</i> , 2016, 7, 35500-35511.	0.8	10
84	Theranostic Nanoparticles Carrying Doxorubicin Attenuate Targeting Ligand Specific Antibody Responses Following Systemic Delivery. <i>Theranostics</i> , 2015, 5, 43-61.	4.6	26
85	Classification of migraine stages based on resting-state EEG power. , 2015, , .		10
86	Ultrashort Echo Time (UTE) imaging of receptor targeted magnetic iron oxide nanoparticles in mouse tumor models. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1071-1081.	1.9	29