

# Chin-Teng Lin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

545  
papers

13,525  
citations

57  
h-index

99  
g-index

672  
ext. papers

16,963  
ext. citations

4.3  
avg, IF

7.01  
L-index

#	Paper	IF	Citations
545	Computational Model of Robot Trust in Human Co-Worker for Physical Human-Robot Collaboration. <i>IEEE Robotics and Automation Letters</i> , <b>2022</b> , 7, 3146-3153	4.2	0
544	Multi-stream 3D Convolution Neural Network with Parameter Sharing for Human State Estimation. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2022</b> , 1-1	3	0
543	Implicit Robot Control using Error-related Potential-based Brain-Computer Interface. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2022</b> , 1-1	3	1
542	Effects of Multisensory Distractor Interference on Attentional Driving. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-9	6.1	
541	The relationship between neurocognitive performance and HRV parameters in nurses and non-healthcare participants.. <i>Brain and Behavior</i> , <b>2022</b> , e2481	3.4	1
540	Spike-Representation of EEG Signals for Performance Enhancement of Brain-Computer Interfaces.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 792318	5.1	
539	Brain Connectivity Changes During Bimanual and Rotated Motor Imagery.. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2022</b> , 10, 2100408	3	0
538	Using virtual global landmark to improve incidental spatial learning.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6744	4.9	2
537	EEG Peak Detection in Cognitive Conflict Processing Using Summit Navigator and Clustering-based Ranking. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2022</b> , 1-1	4.8	0
536	Recognizing Palm Vein in Smartphones Using RGB Images. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	0
535	Adaptive Decision Support System for On-Line Multi-Class Learning and Object Detection. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11268	2.6	1
534	Adaptive Initialization Method for K-Means Algorithm.. <i>Frontiers in Artificial Intelligence</i> , <b>2021</b> , 4, 7408173		1
533	Recognizing Tonal and Non-Tonal Mandarin Sentences for EEG-based Brain-Computer Interface. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2021</b> , 1-1	3	
532	Exploring Covert States of Brain Dynamics via Fuzzy Inference Encoding. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , 29, 2464-2473	4.8	1
531	The Coherence of the Working Memory Study Between Deep Neural Networks and Neurophysiology: Insights From Distinguishing Topographical Electroencephalogram Data Under Different Workloads. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , <b>2021</b> , 7, 24-30	1.6	
530	A Driving Performance Forecasting System Based on Brain Dynamic State Analysis Using 4-D Convolutional Neural Networks. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4959-4967	10.2	7
529	Spiking Neural Network for Augmenting Electroencephalographic Data for Brain Computer Interfaces. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 651762	5.1	2

528	Sequential Motion Primitives Recognition of Robotic Arm Task via Human Demonstration Using Hierarchical BiLSTM Classifier. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 502-509	4.2	2
527	Virtual Global Landmark: An Augmented Reality Technique to Improve Spatial Navigation Learning <b>2021</b> ,		2
526	Online Mental Fatigue Monitoring via Indirect Brain Dynamics Evaluation. <i>Neural Computation</i> , <b>2021</b> , 33, 1616-1655	2.9	3
525	Distributed model predictive control for joint coordination of demand response and optimal power flow with renewables in smart grid. <i>Applied Energy</i> , <b>2021</b> , 290, 116701	10.7	8
524	Smart Devices and Wearable Technologies to Detect and Monitor Mental Health Conditions and Stress: A Systematic Review. <i>Sensors</i> , <b>2021</b> , 21,	3.8	14
523	Human brain dynamics in active spatial navigation. <i>Scientific Reports</i> , <b>2021</b> , 11, 13036	4.9	3
522	Wearable, Multimodal, Biosignal Acquisition System for Potential Critical and Emergency Applications. <i>Emergency Medicine International</i> , <b>2021</b> , 2021, 9954669	1.4	2
521	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 3146-3157	6.1	4
520	Consensus Learning for Distributed Fuzzy Neural Network in Big Data Environment. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2021</b> , 5, 29-41	4.1	3
519	A robust real-time facial alignment system with facial landmarks detection and rectification for multimedia applications. <i>Multimedia Tools and Applications</i> , <b>2021</b> , 80, 16635-16657	2.5	0
518	A novel online self-learning system with automatic object detection model for multimedia applications. <i>Multimedia Tools and Applications</i> , <b>2021</b> , 80, 16659-16681	2.5	1
517	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 1395-1408	8.3	14
516	EEG-Based Driver Drowsiness Estimation Using an Online Multi-View and Transfer TSK Fuzzy System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 1752-1764	6.1	59
515	Coevolutionary Fuzzy Attribute Order Reduction With Complete Attribute-Value Space Tree. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2021</b> , 5, 130-142	4.1	2
514	A Generalized Golden Rule Representative Value for Multiple-Criteria Decision Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 3193-3204	7.3	4
513	On the Utility of Power Spectral Techniques With Feature Selection Techniques for Effective Mental Task Classification in Noninvasive BCI. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 3080-3092	7.3	18
512	EEG-Based Drowsiness Estimation for Driving Safety Using Deep Q-Learning. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2021</b> , 5, 583-594	4.1	3
511	Tiny noise, big mistakes: adversarial perturbations induce errors in brain-computer interface spellers. <i>National Science Review</i> , <b>2021</b> , 8, nwaa233	10.8	11

510	The impact of hand movement velocity on cognitive conflict processing in a 3D object selection task in virtual reality. <i>NeuroImage</i> , <b>2021</b> , 226, 117578	7.9	6
509	Hierarchical Fuzzy Neural Networks With Privacy Preservation for Heterogeneous Big Data. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 46-58	8.3	2
508	Evaluating Balance Recovery Techniques for Users Wearing Head-Mounted Display in VR. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2021</b> , 27, 204-215	4	1
507	Retrosplial Segregation Reflects the Navigation Load During Ambulatory Movement. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , 29, 488-496	4.8	1
506	Identification of EEG Dynamics During Freezing of Gait and Voluntary Stopping in Patients With Parkinson's Disease. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , 29, 1774-1783	4.8	2
505	Reinforcement Learning From Hierarchical Critics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	1
504	Content Augmentation in Virtual Reality with Cognitive-Conflict-Based Brain-Computer Interface <b>2021</b> , 1-22		
503	Navigation of a Fuzzy-Controlled Wheeled Robot Through the Combination of Expert Knowledge and Data-Driven Multiobjective Evolutionary Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	3
502	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	0
501	Weak Human Preference Supervision for Deep Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 5369-5378	10.3	1
500	A Generalized Deep Neural Network Approach for Digital Watermarking Analysis. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2021</b> , 1-15	4.1	3
499	Classifying Multi-Level Stress Responses From Brain Cortical EEG in Nurses and Non-Health Professionals Using Machine Learning Auto Encoder. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2021</b> , 9, 2200109	3	3
498	Fatigue Detection of Pilots' Brain Through Brains Cognitive Map and Multilayer Latent Incremental Learning Model. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	8
497	Interval-valued aggregation functions based on Moderate deviations applied to Motor-Imagery-Based Brain Computer Interface. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	0
496	Motor-Imagery-Based Brain-Computer Interface Using Signal Derivation and Aggregation Functions. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	3
495	Guest Editorial Special Issue on Emerging Computational Intelligence Techniques for Decision Making With Big Data in Uncertain Environments. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2021</b> , 5, 2-5	4.1	
494	The Impact of Vigorous Cycling Exercise on Visual Attention: A Study With the BR8 Wireless Dry EEG System. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 621365	5.1	1
493	JOINT APPROXIMATE DIAGONALIZATION DIVERGENCE BASED SCHEME FOR EEG DROWSINESS DETECTION BRAIN COMPUTER INTERFACES <b>2021</b> ,		2

492	Design of a Wearable Eye-Movement Detection System Based on Electrooculography Signals and Its Experimental Validation. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	1
491	Memory augmented convolutional neural network and its application in bioimages. <i>Neurocomputing</i> , <b>2021</b> , 466, 128-138	5.4	0
490	EEG-Based Brain-Computer Interfaces (BCIs): A Survey of Recent Studies on Signal Sensing Technologies and Computational Intelligence Approaches and Their Applications. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 1645-1666	3	49
489	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 298-312	7.3	8
488	Brain Dynamics of Spatial Reference Frame Proclivity in Active Navigation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , 29, 1701-1710	4.8	1
487	Comparing the Differences in Brain Activities and Neural Comodulations Associated With Motion Sickness Between Drivers and Passengers. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , 29, 1259-1267	4.8	1
486	Text-line-up: Don't Worry About the Caret. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 207-222	0.9	
485	Interpretable Fuzzy Logic Control for Multi-Robot Coordination in a Cluttered Environment. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	2
484	Non-invasive on-skin sensors for brain machine interfaces with epitaxial graphene. <i>Journal of Neural Engineering</i> , <b>2021</b> ,	5	5
483	Stress Watch: The Use of Heart Rate and Heart Rate Variability to Detect Stress: A Pilot Study Using Smart Watch Wearables.. <i>Sensors</i> , <b>2021</b> , 22,	3.8	2
482	An Intelligent Automatic Human Detection and Tracking System Based on Weighted Resampling Particle Filtering. <i>Big Data and Cognitive Computing</i> , <b>2020</b> , 4, 27	3.5	3
481	An Early Flame Detection System Based on Image Block Threshold Selection Using Knowledge of Local and Global Feature Analysis. <i>Sustainability</i> , <b>2020</b> , 12, 8899	3.6	3
480	. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2020</b> , 12, 354-360	3	3
479	. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2020</b> , 12, 809-823	3	3
478	Effective Brain Connectivity for fNIRS with Fuzzy Cognitive Maps in Neuroergonomics. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2020</b> , 1-1	3	5
477	Stochastic Multichannel Ranking with Brain Dynamics Preferences. <i>Neural Computation</i> , <b>2020</b> , 32, 1499-1530	5.3	3
476	Increase in Brain Effective Connectivity in Multitasking but not in a High-Fatigue State. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2020</b> , 1-1	3	7
475	Intra-Variable Handwriting Inspection Reinforced With Idiosyncrasy Analysis. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2020</b> , 15, 3567-3579	8	2

474	Augmented Wire-Embedded Silicon-Based Dry-Contact Sensors for Electroencephalography Signal Measurements. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 3831-3837	4	6
473	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. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 2677-2690	8.3	21
472	Recognizing Very Small Face Images Using Convolution Neural Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-13	6.1	2
471	Evaluation of the Effectiveness of a Novel Brain-Computer Interface Neuromodulative Intervention to Relieve Neuropathic Pain Following Spinal Cord Injury: Protocol for a Single-Case Experimental Design With Multiple Baselines. <i>JMIR Research Protocols</i> , <b>2020</b> , 9, e20979	2	0
470	The Analgesic Effect of Electroencephalographic Neurofeedback for People With Chronic Pain: Protocol for a Systematic Review and Meta-analysis. <i>JMIR Research Protocols</i> , <b>2020</b> , 9, e22821	2	0
469	Jointly dampening traffic oscillations and improving energy consumption with electric, connected and automated vehicles: A reinforcement learning based approach. <i>Applied Energy</i> , <b>2020</b> , 257, 114030	10.7	106
468	On the Functional Equivalence of TSK Fuzzy Systems to Neural Networks, Mixture of Experts, CART, and Stacking Ensemble Regression. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 2570-2580	8.3	18
467	Alpha correlates of practice during mental preparation for motor imagery. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2020</b> , 1-1	3	0
466	A Two-Phase Approach for Semi-Supervised Feature Selection. <i>Algorithms</i> , <b>2020</b> , 13, 215	1.8	
465	Intelligent Multirobot Navigation and Arrival-Time Control Using a Scalable PSO-Optimized Hierarchical Controller. <i>Frontiers in Artificial Intelligence</i> , <b>2020</b> , 3, 50	3	1
464	How Does Gender Stereotype Affect the Memory of Advertisements? A Behavioral and Electroencephalography Study. <i>Frontiers in Psychology</i> , <b>2020</b> , 11, 1580	3.4	0
463	Fuzzy Detection Aided Real-Time and Robust Visual Tracking Under Complex Environments. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	120
462	Supervised Discriminative Sparse PCA with Adaptive Neighbors for Dimensionality Reduction <b>2020</b> ,		2
461	Fuzzy Divergence Based Analysis for Eeg Drowsiness Detection Brain Computer Interfaces <b>2020</b> ,		4
460	EEG data analysis with stacked differentiable neural computers. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 7611-7621	4.8	8
459	Effects of repetitive SSVEPs on EEG complexity using multiscale inherent fuzzy entropy. <i>Neurocomputing</i> , <b>2020</b> , 389, 198-206	5.4	43
458	An interval-valued Pythagorean prioritized operator-based game theoretical framework with its applications in multicriteria group decision making. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 7641-7659	4.8	52
457	Generalized CF1F2-integrals: From Choquet-like aggregation to ordered directionally monotone functions. <i>Fuzzy Sets and Systems</i> , <b>2020</b> , 378, 44-67	3.7	32

456	A hierarchical meta-model for multi-class mental task based brain-computer interfaces. <i>Neurocomputing</i> , <b>2020</b> , 389, 207-217	5.4	1
455	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 14-27	8.3	56
454	Influence of Time Pressure on Inhibitory Brain Control During Emergency Driving. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 4408-4414	7.3	0
453	Multiple Relevant Feature Ensemble Selection Based on Multilayer Co-Evolutionary Consensus MapReduce. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 425-439	10.2	21
452	A fast fused part-based model with new deep feature for pedestrian detection and security monitoring. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 151, 107081	4.6	6
451	Exploring the Brain Responses to Driving Fatigue Through Simultaneous EEG and fNIRS Measurements. <i>International Journal of Neural Systems</i> , <b>2020</b> , 30, 1950018	6.2	19
450	Quantum topology identification with deep neural networks and quantum walks. <i>Npj Computational Materials</i> , <b>2019</b> , 5,	10.9	22
449	Effects of Task Complexity on Motor Imagery-Based Brain-Computer Interface. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 2178-2185	4.8	11
448	A self-adaptive artificial bee colony algorithm with local search for TSK-type neuro-fuzzy system training <b>2019</b> ,		3
447	<b>2019</b> ,		3
446	Subject adaptation network for EEG data analysis. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 84, 105689	7.5	14
445	Electroencephalogram Based Reaction Time Prediction With Differential Phase Synchrony Representations Using Co-Operative Multi-Task Deep Neural Networks. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2019</b> , 3, 369-379	4.1	17
444	Multiclass Fuzzy Time-Delay Common Spatio-Spectral Patterns With Fuzzy Information Theoretic Optimization for EEG-Based Regression Problems in Brain-Computer Interface (BCI). <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1943-1951	8.3	13
443	Detecting Visuo-Haptic Mismatches in Virtual Reality using the Prediction Error Negativity of Event-Related Brain Potentials <b>2019</b> ,		16
442	Neural Comodulation of Independent Brain Processes Related to Multitasking. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 1160-1169	4.8	5
441	Multi-channel EEG recordings during a sustained-attention driving task. <i>Scientific Data</i> , <b>2019</b> , 6, 19	8.2	51
440	Shared Nearest-Neighbor Quantum Game-Based Attribute Reduction With Hierarchical Coevolutionary Spark and Its Application in Consistent Segmentation of Neonatal Cerebral Cortical Surfaces. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 2013-2027	10.3	22
439	Deep Sparse Representation Classifier for facial recognition and detection system. <i>Pattern Recognition Letters</i> , <b>2019</b> , 125, 71-77	4.7	41

438	Deep Neuro-Cognitive Co-Evolution for Fuzzy Attribute Reduction by Quantum Leaping PSO With Nearest-Neighbor Memplexes. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 2744-2757	10.2	47
437	EOG-Based Eye Movement Classification and Application on HCI Baseball Game. <i>IEEE Access</i> , <b>2019</b> , 7, 96166-96176	3.5	14
436	Protecting Privacy of Users in Brain-Computer Interface Applications. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 1546-1555	4.8	13
435	The effects of different fatigue levels on brain-behavior relationships in driving. <i>Brain and Behavior</i> , <b>2019</b> , 9, e01379	3.4	5
434	Analysis of VR Sickness and Gait Parameters During Non-Isometric Virtual Walking with Large Translational Gain <b>2019</b> ,		2
433	Long-Term Exposure to Ambient Hydrocarbons Increases Dementia Risk in People Aged 50 Years and above in Taiwan. <i>Current Alzheimer Research</i> , <b>2019</b> , 16, 1276-1289	3	1
432	White-Box Target Attack for EEG-Based BCI Regression Problems. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 476-488	0.9	8
431	An Intelligent Customer Churn Prediction and Response Framework <b>2019</b> ,		2
430	Tensor Decomposition for EEG Signals Retrieval <b>2019</b> ,		1
429	Detecting Named Entities in Unstructured Bengali Manuscript Images <b>2019</b> ,		1
428	Design and Verification of a Dry Sensor-Based Multi-Channel Digital Active Circuit for Human Brain Electroencephalography Signal Acquisition Systems. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	2
427	Exploring the Impact of Evolutionary Computing based Feature Selection in Suicidal Ideation Detection <b>2019</b> ,		5
426	Temporal EEG Imaging for Drowsy Driving Prediction. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 5078	2.6	1
425	. <i>IEEE Computational Intelligence Magazine</i> , <b>2019</b> , 14, 96-106	5.6	28
424	A Fuzzy Multilayer Assessment Method for EFQM. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1252-1262		5
423	Semi-supervised feature learning for improving writer identification. <i>Information Sciences</i> , <b>2019</b> , 482, 156-170	7.7	24
422	Identifying Ketamine Responses in Treatment-Resistant Depression Using a Wearable Forehead EEG. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 1668-1679	5	25
421	Active learning for regression using greedy sampling. <i>Information Sciences</i> , <b>2019</b> , 474, 90-105	7.7	35



420	. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2019</b> , 11, 375-383	3	16
419	Robust Feature-Based Automated Multi-View Human Action Recognition System. <i>IEEE Access</i> , <b>2018</b> , 6, 15283-15296	3.5	32
418	Hierarchical co-evolutionary clustering tree-based rough feature game equilibrium selection and its application in neonatal cerebral cortex MRI. <i>Expert Systems With Applications</i> , <b>2018</b> , 101, 243-257	7.8	15
417	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 950-962	4.2	25
416	The Influence of Acute Stress on Brain Dynamics During Task Switching Activities. <i>IEEE Access</i> , <b>2018</b> , 6, 3249-3255	3.5	12
415	Edge of Things: The Big Picture on the Integration of Edge, IoT and the Cloud in a Distributed Computing Environment. <i>IEEE Access</i> , <b>2018</b> , 6, 1706-1717	3.5	204
414	Toward Drowsiness Detection Using Non-hair-Bearing EEG-Based Brain-Computer Interfaces. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2018</b> , 26, 400-406	4.8	65
413	Voice Navigation Effects on Real-World Lane Change Driving Analysis Using an Electroencephalogram. <i>IEEE Access</i> , <b>2018</b> , 6, 26483-26492	3.5	3
412	A subject-transfer framework for obviating inter- and intra-subject variability in EEG-based drowsiness detection. <i>NeuroImage</i> , <b>2018</b> , 174, 407-419	7.9	52
411	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 338-352	8.3	40
410	Inherent Fuzzy Entropy for the Improvement of EEG Complexity Evaluation. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 1032-1035	8.3	121
409	The Structure and Citation Landscape of IEEE Transactions on Fuzzy Systems (1994-2015). <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 430-442	8.3	54
408	Spatial Filtering for EEG-Based Regression Problems in Brain-Computer Interface (BCI). <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 771-781	8.3	59
407	A Layered-Coevolution-Based Attribute-Boosted Reduction Using Adaptive Quantum-Behavior PSO and Its Consistent Segmentation for Neonates Brain Tissue. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 1177-1191	8.3	40
406	Multiagent-consensus-MapReduce-based attribute reduction using co-evolutionary quantum PSO for big data applications. <i>Neurocomputing</i> , <b>2018</b> , 272, 136-153	5.4	29
405	IoT-Based Wireless Polysomnography Intelligent System for Sleep Monitoring. <i>IEEE Access</i> , <b>2018</b> , 6, 405-414	3.5	30
404	Exploring resting-state EEG complexity before migraine attacks. <i>Cephalalgia</i> , <b>2018</b> , 38, 1296-1306	6.1	28
403	Theta and Alpha Oscillations in Attentional Interaction during Distracted Driving. <i>Frontiers in Behavioral Neuroscience</i> , <b>2018</b> , 12, 3	3.5	23

402	Brain Electrodynamic and Hemodynamic Signatures Against Fatigue During Driving. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 181	5.1	40
401	Streaming data analysis framework for cyber-physical system of metal machining processes <b>2018</b> ,		7
400	Visual Appearance Modulates Prediction Error in Virtual Reality. <i>IEEE Access</i> , <b>2018</b> , 6, 24617-24624	3.5	20
399	Granger causal connectivity dissociates navigation networks that subserves allocentric and egocentric path integration. <i>Brain Research</i> , <b>2018</b> , 1679, 91-100	3.7	6
398	Using AdaBoost-based Multiple Functional Neural Fuzzy Classifiers Fusion for Classification Applications. <i>MATEC Web of Conferences</i> , <b>2018</b> , 201, 05004	0.3	
397	Privacy-preserving linear regression for brain-computer interface applications <b>2018</b> ,		2
396	Image-based EEG signal processing for driving fatigue prediction <b>2018</b> ,		3
395	<b>2018</b> ,		1
394	A fast and self-adaptive on-line learning detection system. <i>Procedia Computer Science</i> , <b>2018</b> , 144, 13-22	1.6	2
393	Online video streaming for human tracking based on weighted resampling particle filter. <i>Procedia Computer Science</i> , <b>2018</b> , 144, 2-12	1.6	1
392	Multi-view Vehicle Detection based on Part Model with Active Learning <b>2018</b> ,		1
391	Sustained Attention Driving Task Analysis based on Recurrent Residual Neural Network using EEG Data <b>2018</b> ,		2
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375	Robust Facial Alignment for Face Recognition. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 497-504	0.9	1
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371	A review of clustering techniques and developments. <i>Neurocomputing</i> , <b>2017</b> , 267, 664-681	5.4	401
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365	Brain dynamic states analysis based on 3D convolutional neural network <b>2017,</b>			7
364	Fast Deformable Model for Pedestrian Detection with Haar-like features <b>2017,</b>			1
363	Generating a fuzzy rule-based brain-state-drift detector by riemann-metric-based clustering <b>2017,</b>			1
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342	Spectral meta-learner for regression (SMLR) model aggregation: Towards calibrationless brain-computer interface (BCI) <b>2016</b> ,		5
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320	Feature extraction with deep belief networks for driver's cognitive states prediction from EEG data <b>2015,</b>		19
319	Classification of migraine stages based on resting-state EEG power <b>2015,</b>		7
318	Selective Transfer Learning for EEG-Based Drowsiness Detection <b>2015,</b>		29
317	Assessment of Mental Fatigue: An EEG-Based Forecasting System for Driving Safety <b>2015,</b>		2
316	A simple communication system based on Brain Computer Interface <b>2015,</b>		2
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12	Applications of event-related-potential-based brain computer interface to intelligent transportation systems		1
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