

# Chin-Teng Lin

## List of Publications by Citations

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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	. <i>IEEE Transactions on Computers</i> , <b>1991</b> , 40, 1320-1336	2.5	862
544	An online self-constructing neural fuzzy inference network and its applications. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1998</b> , 6, 12-32	8.3	554
543	A review of clustering techniques and developments. <i>Neurocomputing</i> , <b>2017</b> , 267, 664-681	5.4	401
542	Internet of Vehicles: Motivation, Layered Architecture, Network Model, Challenges, and Future Aspects. <i>IEEE Access</i> , <b>2016</b> , 4, 5356-5373	3.5	354
541	EEG-based drowsiness estimation for safety driving using independent component analysis. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2005</b> , 52, 2726-2738		258
540	Novel dry polymer foam electrodes for long-term EEG measurement. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2011</b> , 58, 1200-7	5	224
539	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
538	A recurrent self-organizing neural fuzzy inference network. <i>IEEE Transactions on Neural Networks</i> , <b>1999</b> , 10, 828-45		204
537	A real-time wireless brain-computer interface system for drowsiness detection. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2010</b> , 4, 214-22	5.1	186
536	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1994</b> , 2, 46-63	8.3	171
535	Cognition in action: imaging brain/body dynamics in mobile humans. <i>Reviews in the Neurosciences</i> , <b>2011</b> , 22, 593-608	4.7	165
534	Design, fabrication and experimental validation of a novel dry-contact sensor for measuring electroencephalography signals without skin preparation. <i>Sensors</i> , <b>2011</b> , 11, 5819-34	3.8	165
533	An ART-based fuzzy adaptive learning control network. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1997</b> , 5, 477-496		140
532	Gaming control using a wearable and wireless EEG-based brain-computer interface device with novel dry foam-based sensors. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2012</b> , 9, 5	5.3	137
531	Genetic reinforcement learning through symbiotic evolution for fuzzy controller design. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2000</b> , 30, 290-302		136
530	A Hybrid of Cooperative Particle Swarm Optimization and Cultural Algorithm for Neural Fuzzy Networks and Its Prediction Applications. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2009</b> , 39, 55-68		131
529	Identification and prediction of dynamic systems using an interactively recurrent self-evolving fuzzy neural network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2013</b> , 24, 310-21	10.3	125

528	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
527	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
526	A neural fuzzy control system with structure and parameter learning. <i>Fuzzy Sets and Systems</i> , <b>1995</b> , 70, 183-212	3.7	117
525	Support-vector-based fuzzy neural network for pattern classification. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2006</b> , 14, 31-41	8.3	115
524	Development of wireless brain computer interface with embedded multitask scheduling and its application on real-time driver's drowsiness detection and warning. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2008</b> , 55, 1582-91	5	114
523	EEG-based prediction of driver's cognitive performance by deep convolutional neural network. <i>Signal Processing: Image Communication</i> , <b>2016</b> , 47, 549-555	2.8	112
522	Wireless and wearable EEG system for evaluating driver vigilance. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2014</b> , 8, 165-76	5.1	112
521	Adaptive EEG-Based Alertness Estimation System by Using ICA-Based Fuzzy Neural Networks. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2006</b> , 53, 2469-2476		106
520	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
519	An intelligent telecardiology system using a wearable and wireless ECG to detect atrial fibrillation. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2010</b> , 14, 726-33		101
518	. <i>Proceedings of the IEEE</i> , <b>2012</b> , 100, 1553-1566	14.3	100
517	Tonic and phasic EEG and behavioral changes induced by arousing feedback. <i>NeuroImage</i> , <b>2010</b> , 52, 633-42		97
516	. <i>Proceedings of the IEEE</i> , <b>2008</b> , 96, 1167-1183	14.3	97
515	A TSK-Type-Based Self-Evolving Compensatory Interval Type-2 Fuzzy Neural Network (TSCIT2FNN) and Its Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 447-459	8.9	96
514	Estimating Driving Performance Based on EEG Spectrum Analysis. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2005</b> , 2005, 1	1.9	89
513	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2012</b> , 59, 2044-2055	3.9	88
512	Imaging brain hemodynamic changes during rat forepaw electrical stimulation using functional photoacoustic microscopy. <i>NeuroImage</i> , <b>2010</b> , 52, 562-70	7.9	88
511	Brain Dynamics in Predicting Driving Fatigue Using a Recurrent Self-Evolving Fuzzy Neural Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 347-60	10.3	84

510	Simplified interval type-2 fuzzy neural networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 959-69	10.3	82
509	Review of wireless and wearable electroencephalogram systems and brain-computer interfaces--a mini-review. <i>Gerontology</i> , <b>2010</b> , 56, 112-9	5.5	81
508	Neural Fuzzy Control Systems with Structure and Parameter Learning <b>1994</b> ,		81
507	Using eye-tracker to compare search patterns between experienced and novice workers for site hazard identification. <i>Safety Science</i> , <b>2016</b> , 82, 56-67	5.8	80
506	A Spatial Contextual Support Vector Machine for Remotely Sensed Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2012</b> , 50, 784-799	8.1	76
505	Sustained Attention in Real Classroom Settings: An EEG Study. <i>Frontiers in Human Neuroscience</i> , <b>2017</b> , 11, 388	3.3	73
504	EEG-based assessment of driver cognitive responses in a dynamic virtual-reality driving environment. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2007</b> , 54, 1349-52	5	69
503	Real-World Neuroimaging Technologies. <i>IEEE Access</i> , <b>2013</b> , 1, 131-149	3.5	68
502	A vector neural network for emitter identification. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 1120-1127	4.9	67
501	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
500	EEG-based learning system for online motion sickness level estimation in a dynamic vehicle environment. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2013</b> , 24, 1689-700	10.3	65
499	Nonlinear System Control Using Adaptive Neural Fuzzy Networks Based on a Modified Differential Evolution. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2009</b> , 39, 459-473		65
498	EEG-Based Attention Tracking During Distracted Driving. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2015</b> , 23, 1085-94	4.8	64
497	A Mutually Recurrent Interval Type-2 Neural Fuzzy System (MRIT2NFS) With Self-Evolving Structure and Parameters. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 492-509	8.3	62
496	Spatial and temporal EEG dynamics of motion sickness. <i>NeuroImage</i> , <b>2010</b> , 49, 2862-70	7.9	62
495	Driver Drowsiness Estimation From EEG Signals Using Online Weighted Adaptation Regularization for Regression (OwARR). <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 1522-1535	8.3	61
494	Transcranial imaging of functional cerebral hemodynamic changes in single blood vessels using in vivo photoacoustic microscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2012</b> , 32, 938-51	7.3	61
493	EEG-Based Subject- and Session-independent Drowsiness Detection: An Unsupervised Approach. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2008</b> , 2008,	1.9	60

492	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
491	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
490	Design, simulation and experimental validation of a novel flexible neural probe for deep brain stimulation and multichannel recording. <i>Journal of Neural Engineering</i> , <b>2012</b> , 9, 036001	5	58
489	Controlling a human-computer interface system with a novel classification method that uses electrooculography signals. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2013</b> , 60, 2133-41	5	57
488	Improvement of machining accuracy by fuzzy logic at corner parts for wire-EDM. <i>Fuzzy Sets and Systems</i> , <b>2001</b> , 122, 499-511	3.7	56
487	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 14-27	8.3	56
486	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
485	Runge-Kutta neural network for identification of dynamical systems in high accuracy. <i>IEEE Transactions on Neural Networks</i> , <b>1998</b> , 9, 294-307		54
484	A Functional-Link-Based Neurofuzzy Network for Nonlinear System Control. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2008</b> , 16, 1362-1378	8.3	54
483	Feature selection and combination criteria for improving accuracy in protein structure prediction. <i>IEEE Transactions on Nanobioscience</i> , <b>2007</b> , 6, 186-96	3.4	54
482	Fuzzy adaptive learning control network with on-line neural learning. <i>Fuzzy Sets and Systems</i> , <b>1995</b> , 71, 25-45	3.7	54
481	Co-modulatory spectral changes in independent brain processes are correlated with task performance. <i>NeuroImage</i> , <b>2012</b> , 62, 1469-77	7.9	53
480	An EEG-based perceptual function integration network for application to drowsy driving. <i>Knowledge-Based Systems</i> , <b>2015</b> , 80, 143-152	7.3	52
479	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
478	Spatial and temporal EEG dynamics of dual-task driving performance. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2011</b> , 8, 11	5.3	52
477	Reinforcement learning for an ART-based fuzzy adaptive learning control network. <i>IEEE Transactions on Neural Networks</i> , <b>1996</b> , 7, 709-31		52
476	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
475	Multi-channel EEG recordings during a sustained-attention driving task. <i>Scientific Data</i> , <b>2019</b> , 6, 19	8.2	51

474	Kinesthesia in a sustained-attention driving task. <i>NeuroImage</i> , <b>2014</b> , 91, 187-202	7.9	51
473	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1995</b> , 3, 169-189	8.3	51
472	Brain Computer Interface-Based Smart Living Environmental Auto-Adjustment Control System in UPnP Home Networking. <i>IEEE Systems Journal</i> , <b>2014</b> , 8, 363-370	4.3	50
471	Toward a new cognitive neuroscience: modeling natural brain dynamics. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 444	3.3	50
470	Application of Fuzzy Logic and Neural Networks to Automatically Detect Freeway Traffic Incidents. <i>Journal of Transportation Engineering</i> , <b>1994</b> , 120, 753-772		49
469	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
468	Protein metal binding residue prediction based on neural networks. <i>International Journal of Neural Systems</i> , <b>2005</b> , 15, 71-84	6.2	48
467	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
466	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2000</b> , 8, 171-185	8.3	47
465	An Improved Polynomial Neural Network Classifier Using Real-Coded Genetic Algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2015</b> , 45, 1389-1401	7.3	46
464	A Novel 16-Channel Wireless System for Electroencephalography Measurements With Dry Spring-Loaded Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2014</b> , 63, 1545-1555	5.2	46
463	Independent component ensemble of EEG for brain-computer interface. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2014</b> , 22, 230-8	4.8	45
462	Reduction of interference in oscillometric arterial blood pressure measurement using fuzzy logic. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2003</b> , 50, 432-41	5	45
461	An Interval Type-2 Neural Fuzzy System for Online System Identification and Feature Elimination. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 1442-55	10.3	44
460	Knowledge-based identification of sleep stages based on two forehead electroencephalogram channels. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 263	5.1	43
459	An EEG-Based Fatigue Detection and Mitigation System. <i>International Journal of Neural Systems</i> , <b>2016</b> , 26, 1650018	6.2	43
458	Effects of repetitive SSVEPs on EEG complexity using multiscale inherent fuzzy entropy. <i>Neurocomputing</i> , <b>2020</b> , 389, 198-206	5.4	43
457	Fuzzy Integral With Particle Swarm Optimization for a Motor-Imagery-Based Brain-Computer Interface. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 21-28	8.3	42

456	LDA-Based Clustering Algorithm and Its Application to an Unsupervised Feature Extraction. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2011</b> , 19, 152-163	8.3	42
455	Deep Sparse Representation Classifier for facial recognition and detection system. <i>Pattern Recognition Letters</i> , <b>2019</b> , 125, 71-77	4.7	41
454	Resting-state EEG power and coherence vary between migraine phases. <i>Journal of Headache and Pain</i> , <b>2016</b> , 17, 102	8.8	41
453	Hierarchical learning architecture with automatic feature selection for multiclass protein fold classification. <i>IEEE Transactions on Nanobioscience</i> , <b>2003</b> , 2, 221-32	3.4	41
452	Tracking a maneuvering target using neural fuzzy network. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2004</b> , 34, 16-33		41
451	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 338-352	8.3	40
450	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
449	Brain Electrodynamic and Hemodynamic Signatures Against Fatigue During Driving. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 181	5.1	40
448	An adaptive neural fuzzy filter and its applications. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>1997</b> , 27, 635-56		40
447	A Novel Two-Stage Impulse Noise Removal Technique Based on Neural Networks and Fuzzy Decision. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2008</b> , 16, 863-873	8.3	40
446	Word boundary detection with mel-scale frequency bank in noisy environment. <i>IEEE Transactions on Speech and Audio Processing</i> , <b>2000</b> , 8, 541-554		40
445	Controlling chaos by GA-based reinforcement learning neural network. <i>IEEE Transactions on Neural Networks</i> , <b>1999</b> , 10, 846-59		40
444	Dynamic group-based differential evolution using a self-adaptive strategy for global optimization problems. <i>Applied Intelligence</i> , <b>2013</b> , 39, 41-56	4.9	39
443	. <i>IEEE Computational Intelligence Magazine</i> , <b>2009</b> , 4, 32-46	5.6	37
442	An EEG-based brain-computer interface for dual task driving detection. <i>Neurocomputing</i> , <b>2014</b> , 129, 85-93	3.4	36
441	An on-line ICA-mixture-model-based self-constructing fuzzy neural network. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2005</b> , 52, 207-221		36
440	A New Mechanism for Data Visualization with Tsk-Type Preprocessed Collaborative Fuzzy Rule Based System. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , <b>2017</b> , 7, 33-46	5.1	35
439	Active learning for regression using greedy sampling. <i>Information Sciences</i> , <b>2019</b> , 474, 90-105	7.7	35

438	Identifying changes in EEG information transfer during drowsy driving by transfer entropy. <i>Frontiers in Human Neuroscience</i> , <b>2015</b> , 9, 570	3.3	34
437	EEG correlates of spatial orientation in the human retrosplenial complex. <i>NeuroImage</i> , <b>2015</b> , 120, 123-327.9		33
436	Gender differences in wayfinding in virtual environments with global or local landmarks. <i>Journal of Environmental Psychology</i> , <b>2012</b> , 32, 89-96	6.7	33
435	Robust Feature-Based Automated Multi-View Human Action Recognition System. <i>IEEE Access</i> , <b>2018</b> , 6, 15283-15296	3.5	32
434	A GA-based fuzzy adaptive learning control network. <i>Fuzzy Sets and Systems</i> , <b>2000</b> , 112, 65-84	3.7	32
433	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
432	Alpha modulation in parietal and retrosplenial cortex correlates with navigation performance. <i>Psychophysiology</i> , <b>2012</b> , 49, 43-55	4.1	31
431	A Miniaturized Electromagnetic Generator With Planar Coils and Its Energy Harvest Circuit. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4621-4627	2	31
430	Adaptive fuzzy command acquisition with reinforcement learning. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1998</b> , 6, 102-121	8.3	31
429	GA-based fuzzy reinforcement learning for control of a magnetic bearing system. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2000</b> , 30, 276-89		31
428	. <i>Journal of Medical and Biological Engineering</i> , <b>2010</b> , 30, 237	2.2	31
427	Forehead EEG in Support of Future Feasible Personal Healthcare Solutions: Sleep Management, Headache Prevention, and Depression Treatment. <i>IEEE Access</i> , <b>2017</b> , 5, 10612-10621	3.5	30
426	EEG-Based User Reaction Time Estimation Using Riemannian Geometry Features. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2017</b> , 25, 2157-2168	4.8	30
425	IoT-Based Wireless Polysomnography Intelligent System for Sleep Monitoring. <i>IEEE Access</i> , <b>2018</b> , 6, 405-414	3.5	30
424	Dynamic optimal learning rates of a certain class of fuzzy neural networks and its applications with genetic algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2001</b> , 31, 467-75		30
423	Visual attention and association: An electroencephalography study in expert designers. <i>Design Studies</i> , <b>2017</b> , 48, 76-95	3.6	29
422	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
421	A New Method for Intuitionistic Fuzzy Multiattribute Decision Making. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2016</b> , 46, 1167-1179	7.3	29



420	Selective Transfer Learning for EEG-Based Drowsiness Detection <b>2015</b> ,		29
419	Efficient Self-Evolving Evolutionary Learning for Neurofuzzy Inference Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2008</b> , 16, 1476-1490	8.3	29
418	A robust digital image stabilization technique based on inverse triangle method and background detection. <i>IEEE Transactions on Consumer Electronics</i> , <b>2005</b> , 51, 335-345	4.8	29
417	Exploring resting-state EEG complexity before migraine attacks. <i>Cephalalgia</i> , <b>2018</b> , 38, 1296-1306	6.1	28
416	Developing an EEG-based on-line closed-loop lapse detection and mitigation system. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 321	5.1	28
415	EEG effects of motion sickness induced in a dynamic virtual reality environment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2007</b> , 2007, 3872-5		28
414	A neural fuzzy system with fuzzy supervised learning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>1996</b> , 26, 744-63		28
413	. <i>IEEE Computational Intelligence Magazine</i> , <b>2019</b> , 14, 96-106	5.6	28
412	. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , <b>2017</b> , 3, 16-26	1.6	27
411	Assessing effectiveness of various auditory warning signals in maintaining drivers' attention in virtual reality-based driving environments. <i>Perceptual and Motor Skills</i> , <b>2009</b> , 108, 825-35	2.2	27
410	Application of fuzzy control to a road tunnel ventilation system. <i>Fuzzy Sets and Systems</i> , <b>1998</b> , 100, 9-28	3.7	27
409	EEG Alpha and Gamma Modulators Mediate Motion Sickness-Related Spectral Responses. <i>International Journal of Neural Systems</i> , <b>2016</b> , 26, 1650007	6.2	26
408	Adaptive synchronization of chaotic systems with unknown parameters via new backstepping strategy. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 2129-2143	5	26
407	Optimal fuzzy controller design in continuous fuzzy system: global concept approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2000</b> , 8, 713-729	8.3	26
406	Navigation Control of Mobile Robots Using an Interval Type-2 Fuzzy Controller Based on Dynamic-group Particle Swarm Optimization. <i>International Journal of Control, Automation and Systems</i> , <b>2018</b> , 16, 2446-2457	2.9	26
405	A new data-driven neural fuzzy system with collaborative fuzzy clustering mechanism. <i>Neurocomputing</i> , <b>2015</b> , 167, 558-568	5.4	25
404	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 950-962	4.2	25
403	Can arousing feedback rectify lapses in driving? Prediction from EEG power spectra. <i>Journal of Neural Engineering</i> , <b>2013</b> , 10, 056024	5	25

402	An efficient quantum neuro-fuzzy classifier based on fuzzy entropy and compensatory operation. <i>Soft Computing</i> , <b>2008</b> , 12, 567-583	3.5	25
401	Satellite sensor image classification using cascaded architecture of neural fuzzy network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2000</b> , 38, 1033-1043	8.1	25
400	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2001</b> , 9, 139-152	8.3	25
399	Neurocognitive Characteristics of the Driver: A Review on Drowsiness, Distraction, Navigation, and Motion Sickness. <i>Journal of Neuroscience and Neuroengineering</i> , <b>2012</b> , 1, 61-81		25
398	Mind-Wandering Tends to Occur under Low Perceptual Demands during Driving. <i>Scientific Reports</i> , <b>2016</b> , 6, 21353	4.9	25
397	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
396	Semi-supervised feature learning for improving writer identification. <i>Information Sciences</i> , <b>2019</b> , 482, 156-170	7.7	24
395	Theta and Alpha Oscillations in Attentional Interaction during Distracted Driving. <i>Frontiers in Behavioral Neuroscience</i> , <b>2018</b> , 12, 3	3.5	23
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393	Investigation of the cerebral hemodynamic response function in single blood vessels by functional photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 061210	3.5	23
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219	A new VLSI 2-D diagonal-symmetry filter architecture design <b>2008,</b>		4
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203	Single channel wireless EEG device for real-time fatigue level detection <b>2015,</b>		3
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192	Human cognitive application by using Wearable Mobile Brain Computer Interface <b>2010,</b>		3
191	Neuro-fuzzy system design using differential evolution with local information <b>2011,</b>		3
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169	Assessment of Mental Fatigue: An EEG-Based Forecasting System for Driving Safety <b>2015</b> ,		2

168	A simple communication system based on Brain Computer Interface <b>2015</b> ,		2
167	Natural User Interfaces: Cyber-Physical Challenges and Pervasive Applications - A Panel Discussion <b>2014</b> ,		2
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158	Independent modulators mediate spectra of multiple brain processes in a VR-based driving experiment <b>2009</b> ,		2
157	Spatio-temporal analysis in smoke detection <b>2009</b> ,		2
156	Dimension Reduction for Hyperspectral Image Classification via Support Vector based Feature Extraction <b>2008</b> ,		2
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134	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
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98	A Recurrent Functional-Link-Based Neural Fuzzy System and Its Applications <b>2007</b> ,		1
97	Kannon: Ubiquitous Sensor/Actuator Technologies for Elderly Living and Care: A Multidisciplinary Effort in National Chiao Tung University, Taiwan <b>2006</b> ,		1

96	Balancing Control of Sliding Inverted-Wedge System: classical-method-based compensation <b>2006,</b>		1
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91	Multi-objects Tracking System Using Adaptive Background Reconstruction Technique and Its Application to Traffic Parameters Extraction <b>2006,</b>		1
90	A low-power 64-point FFT/IFFT design for IEEE 802.11a WLAN application		1
89	Estimating driving performance based on EEG spectrum and fuzzy neural network		1
88	Applications of event-related-potential-based brain computer interface to intelligent transportation systems		1
87	The short-time fractal scaling of heart rate variability to estimate the mental stress of driver		1
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83	Techniques and Applications of Integrated Neural Network-Based Fuzzy Logic Control Systems <b>1999</b> , 1265-1298		1
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79			1

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