

# Hojjat Adeli

## List of Publications by Year in descending order

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Version: 2024-02-01

353  
papers

32,498  
citations

1877

105  
h-index

6512

162  
g-index

365  
all docs

365  
docs citations

365  
times ranked

17678  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning techniques for diagnosis of alzheimer disease, mild cognitive disorder, and other types of dementia. Biomedical Signal Processing and Control, 2022, 72, 103293.	3.5	69
2	Plasticity model for partially prestressed concrete. Structures, 2022, 38, 630-651.	1.7	2
3	Modeling the efficacy of different anti-angiogenic drugs on treatment of solid tumors using 3D computational modeling and machine learning. Computers in Biology and Medicine, 2022, 146, 105511.	3.9	10
4	Toward automated prediction of sudden unexpected death in epilepsy. Reviews in the Neurosciences, 2022, 33, 877-887.	1.4	7
5	Sudden Cardiac Arrest (SCA) Prediction Using ECG Morphological Features. Arabian Journal for Science and Engineering, 2021, 46, 947-961.	1.7	16
6	DESIGN OF A SMART PREFABRICATED SANITISING CHAMBER FOR COVID-19 USING COMPUTATIONAL FLUID DYNAMICS. Journal of Civil Engineering and Management, 2021, 27, 139-148.	1.9	4
7	A New dispersion entropy and fuzzy logic system methodology for automated classification of dementia stages using electroencephalograms. Clinical Neurology and Neurosurgery, 2021, 201, 106446.	0.6	31
8	Integrating structural control, health monitoring, and energy harvesting for smart cities. Expert Systems, 2021, 38, e12845.	2.9	41
9	FEMa: a finite element machine for fast learning. Neural Computing and Applications, 2020, 32, 6393-6404.	3.2	203
10	A dynamic ensemble learning algorithm for neural networks. Neural Computing and Applications, 2020, 32, 8675-8690.	3.2	282
11	Discrete Spider Monkey Optimization for Travelling Salesman Problem. Applied Soft Computing Journal, 2020, 86, 105887.	4.1	125
12	Deep learning techniques for recommender systems based on collaborative filtering. Expert Systems, 2020, 37, e12647.	2.9	89
13	A Novel Method for Sleep-Stage Classification Based on Sonification of Sleep Electroencephalogram Signals Using Wavelet Transform and Recurrent Neural Network. European Neurology, 2020, 83, 468-486.	0.6	15
14	Upper Limb Movement Classification Via Electromyographic Signals and an Enhanced Probabilistic Network. Journal of Medical Systems, 2020, 44, 176.	2.2	38
15	A Sensitivity and Robustness Analysis of GPR and ANN for High-Performance Concrete Compressive Strength Prediction Using a Monte Carlo Simulation. Sustainability, 2020, 12, 830.	1.6	124
16	Four Decades of Computing in Civil Engineering. Lecture Notes in Civil Engineering, 2020, , 3-11.	0.3	16
17	Detection of Epileptic Seizure Using Pretrained Deep Convolutional Neural Network and Transfer Learning. European Neurology, 2020, 83, 602-614.	0.6	107
18	Machine learning (ML) for the diagnosis of autism spectrum disorder (ASD) using brain imaging. Reviews in the Neurosciences, 2020, 31, 825-841.	1.4	106

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19	Predicting Improved Daily Use of the More Affected Arm Poststroke Following Constraint-Induced Movement Therapy. <i>Physical Therapy</i> , 2019, 99, 1667-1678.	1.1	31
20	A unified approach for analysis of cable and tensegrity structures using memoryless quasi-newton minimization of total strain energy. <i>Engineering Structures</i> , 2019, 179, 332-340.	2.6	20
21	Form-finding and analysis of hyperelastic tensegrity structures using unconstrained nonlinear programming. <i>Engineering Structures</i> , 2019, 191, 439-446.	2.6	8
22	A novel methodology for automated differential diagnosis of mild cognitive impairment and the Alzheimer's disease using EEG signals. <i>Journal of Neuroscience Methods</i> , 2019, 322, 88-95.	1.3	66
23	Semi-active vibration control of smart isolated highway bridge structures using replicator dynamics. <i>Engineering Structures</i> , 2019, 186, 536-552.	2.6	60
24	Optimization of University Course Scheduling Problem using Particle Swarm Optimization with Selective Search. <i>Expert Systems With Applications</i> , 2019, 127, 9-24.	4.4	85
25	Artificial Intelligence Techniques for Automated Diagnosis of Neurological Disorders. <i>European Neurology</i> , 2019, 82, 41-64.	0.6	95
26	A novel end-to-end deep learning scheme for classifying multi-class motor imagery electroencephalography signals. <i>Expert Systems</i> , 2019, 36, e12494.	2.9	96
27	Visibility graph analysis of speech evoked auditory brainstem response in persistent developmental stuttering. <i>Neuroscience Letters</i> , 2019, 696, 28-32.	1.0	20
28	Recurrent neural network model with Bayesian training and mutual information for response prediction of large buildings. <i>Engineering Structures</i> , 2019, 178, 603-615.	2.6	148
29	Permutation Jaccard Distance-Based Hierarchical Clustering to Estimate EEG Network Density Modifications in MCI Subjects. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 5122-5135.	7.2	58
30	Automated EEG-based screening of depression using deep convolutional neural network. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 161, 103-113.	2.6	404
31	A novel unsupervised deep learning model for global and local health condition assessment of structures. <i>Engineering Structures</i> , 2018, 156, 598-607.	2.6	289
32	Vibration control of smart base-isolated irregular buildings using neural dynamic optimization model and replicator dynamics. <i>Engineering Structures</i> , 2018, 156, 322-336.	2.6	48
33	Deep convolutional neural network for the automated detection and diagnosis of seizure using EEG signals. <i>Computers in Biology and Medicine</i> , 2018, 100, 270-278.	3.9	1,111
34	Automatic Seizure Detection Based on Morphological Features Using One-Dimensional Local Binary Pattern on Long-Term EEG. <i>Clinical EEG and Neuroscience</i> , 2018, 49, 351-362.	0.9	67
35	A Novel Methodology for Extracting and Evaluating Therapeutic Movements in Game-Based Motion Capture Rehabilitation Systems. <i>Journal of Medical Systems</i> , 2018, 42, 255.	2.2	41
36	Control methodologies for vibration control of smart civil and mechanical structures. <i>Expert Systems</i> , 2018, 35, e12354.	2.9	52

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37	Smart bacteriaâ€foraging algorithmâ€based customized kernel support vector regression and enhanced probabilistic neural network for compaction quality assessment and control of earthâ€rock dam. Expert Systems, 2018, 35, e12357.	2.9	55
38	Parkinson's disease: Cause factors, measurable indicators, and early diagnosis. Computers in Biology and Medicine, 2018, 102, 234-241.	3.9	124
39	Segmentation and clustering in brain MRI imaging. Reviews in the Neurosciences, 2018, 30, 31-44.	1.4	46
40	Novel Machine-Learning Model for Estimating Construction Costs Considering Economic Variables and Indexes. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	146
41	Automated seizure prediction. Epilepsy and Behavior, 2018, 88, 251-261.	0.9	125
42	Sustainable Decision-Making in Civil Engineering, Construction and Building Technology. Sustainability, 2018, 10, 14.	1.6	118
43	Seismic performance factors for lowâ€to midâ€rise steel diagrid structural systems. Structural Design of Tall and Special Buildings, 2018, 27, e1505.	0.9	27
44	A Novel Wavelet Transform-Homogeneity Model for Sudden Cardiac Death Prediction Using ECG Signals. Journal of Medical Systems, 2018, 42, 176.	2.2	37
45	INFRARED THERMOGRAPHY FOR DETECTING DEFECTS IN CONCRETE STRUCTURES. Journal of Civil Engineering and Management, 2018, 24, 508-515.	1.9	56
46	Graph Theory and Brain Connectivity in Alzheimerâ€™s Disease. Neuroscientist, 2017, 23, 616-626.	2.6	139
47	Complexity of weighted graph: A new technique to investigate structural complexity of brain activities with applications to aging and autism. Neuroscience Letters, 2017, 650, 103-108.	1.0	66
48	Diagrid: An innovative, sustainable, and efficient structural system. Structural Design of Tall and Special Buildings, 2017, 26, e1358.	0.9	43
49	Evolutionary learning based sustainable strain sensing model for structural health monitoring of high-rise buildings. Applied Soft Computing Journal, 2017, 58, 576-585.	4.1	149
50	A novel methodology for modal parameters identification of large smart structures using MUSIC, empirical wavelet transform, and Hilbert transform. Engineering Structures, 2017, 147, 148-159.	2.6	127
51	Computer-aided prediction of extent of motor recovery following constraint-induced movement therapy in chronic stroke. Behavioural Brain Research, 2017, 329, 191-199.	1.2	29
52	Recent advances in control algorithms for smart structures and machines. Expert Systems, 2017, 34, e12205.	2.9	48
53	Wearable technology for patients with brain and spinal cord injuries. Reviews in the Neurosciences, 2017, 28, 913-920.	1.4	19
54	A novel machine learningâ€based algorithm to detect damage in highâ€rise building structures. Structural Design of Tall and Special Buildings, 2017, 26, e1400.	0.9	250

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55	A New Neural Dynamic Classification Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 3074-3083.	7.2	296
56	Meta-heuristic multi- and many-objective optimization techniques for solution of machine learning problems. Expert Systems, 2017, 34, e12255.	2.9	33
57	Many-objective control optimization of high-rise building structures using replicator dynamics and neural dynamics model. Structural and Multidisciplinary Optimization, 2017, 56, 1521-1537.	1.7	64
58	Diagnosis of attention deficit hyperactivity disorder using imaging and signal processing techniques. Computers in Biology and Medicine, 2017, 88, 93-99.	3.9	58
59	A novel algorithm to detect glaucoma risk using texture and local configuration pattern features extracted from fundus images. Computers in Biology and Medicine, 2017, 88, 72-83.	3.9	86
60	Gross motor ability predicts response to upper extremity rehabilitation in chronic stroke. Behavioural Brain Research, 2017, 333, 314-322.	1.2	37
61	NEEWS: A novel earthquake early warning model using neural dynamic classification and neural dynamic optimization. Soil Dynamics and Earthquake Engineering, 2017, 100, 417-427.	1.9	125
62	Nature-Inspired Chemical Reaction Optimisation Algorithms. Cognitive Computation, 2017, 9, 411-422.	3.6	46
63	MUSIC-Expected maximization gaussian mixture methodology for clustering and detection of task-related neuronal firing rates. Behavioural Brain Research, 2017, 317, 226-236.	1.2	15
64	New method for modal identification of super high-rise building structures using discretized synchrosqueezed wavelet and Hilbert transforms. Structural Design of Tall and Special Buildings, 2017, 26, e1312.	0.9	116
65	Novel Approach for Concrete Mixture Design Using Neural Dynamics Model and Virtual Lab Concept. ACI Materials Journal, 2017, 114, .	0.3	23
66	Supervised Deep Restricted Boltzmann Machine for Estimation of Concrete. ACI Materials Journal, 2017, 114, .	0.3	184
67	Invited Review: Recent developments in vibration control of building and bridge structures. Journal of Vibroengineering, 2017, 19, 3564-3580.	0.5	98
68	Multi-agent replicator controller for sustainable vibration control of smart structures. Journal of Vibroengineering, 2017, 19, 4300-4322.	0.5	45
69	Signal Processing Techniques for Vibration-Based Health Monitoring of Smart Structures. Archives of Computational Methods in Engineering, 2016, 23, 1-15.	6.0	345
70	Sustainability in highrise building design and construction. Structural Design of Tall and Special Buildings, 2016, 25, 643-658.	0.9	37
71	APPLICATIONS OF GRAVITATIONAL SEARCH ALGORITHM IN ENGINEERING. Journal of Civil Engineering and Management, 2016, 22, 981-990.	1.9	18
72	Resting state functional magnetic resonance imaging processing techniques in stroke studies. Reviews in the Neurosciences, 2016, 27, 871-885.	1.4	25

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73	Physics-based search and optimization: Inspirations from nature. Expert Systems, 2016, 33, 607-623.	2.9	29
74	Hierarchical clustering of the electroencephalogram spectral coherence to study the changes in brain connectivity in Alzheimer's disease. , 2016, , .		4
75	Imaging and machine learning techniques for diagnosis of Alzheimer's disease. Reviews in the Neurosciences, 2016, 27, 857-870.	1.4	102
76	Simulated Annealing, Its Variants and Engineering Applications. International Journal on Artificial Intelligence Tools, 2016, 25, 1630001.	0.7	84
77	Gravitational Search Algorithm and Its Variants. International Journal of Pattern Recognition and Artificial Intelligence, 2016, 30, 1639001.	0.7	51
78	Cost optimization of reinforced concrete flat slabs of arbitrary configuration in irregular highrise building structures. Structural and Multidisciplinary Optimization, 2016, 54, 151-164.	1.7	30
79	New discrete-time robust $H_2/H_\infty$ algorithm for vibration control of smart structures using linear matrix inequalities. Engineering Applications of Artificial Intelligence, 2016, 55, 47-57.	4.3	30
80	Variable air volume air-conditioning experiment system with advanced controls. Indoor and Built Environment, 2016, 25, 114-127.	1.5	7
81	BRIEF HISTORY OF NATURAL SCIENCES FOR NATURE-INSPIRED COMPUTING IN ENGINEERING. Journal of Civil Engineering and Management, 2016, 22, 287-301.	1.9	15
82	Fundamental period of irregular eccentrically braced tall steel frame structures. Journal of Constructional Steel Research, 2016, 120, 199-205.	1.7	13
83	A new methodology for automated diagnosis of mild cognitive impairment (MCI) using magnetoencephalography (MEG). Behavioural Brain Research, 2016, 305, 174-180.	1.2	52
84	New methodology for modal parameters identification of smart civil structures using ambient vibrations and synchrosqueezed wavelet transform. Engineering Applications of Artificial Intelligence, 2016, 48, 1-12.	4.3	128
85	A Novel Machine Learning Model for Estimation of Sale Prices of Real Estate Units. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	176
86	Brain functional connectivity patterns for emotional state classification in Parkinson's disease patients without dementia. Behavioural Brain Research, 2016, 298, 248-260.	1.2	126
87	Neural Network, Machine Learning, and Evolutionary Approaches for Concrete Material Characterization. ACI Materials Journal, 2016, 113, .	0.3	42
88	A comparative study of signal processing methods for structural health monitoring. Journal of Vibroengineering, 2016, 18, 2186-2204.	0.5	26
89	Time-frequency techniques for modal parameters identification of civil structures from acquired dynamic signals. Journal of Vibroengineering, 2016, 18, 3164-3185.	0.5	48
90	HYBRID MULTIPLE CRITERIA DECISION MAKING METHODS: A REVIEW OF APPLICATIONS IN ENGINEERING. Scientia Iranica, 2016, 23, 1-20.	0.3	98

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91	Neurocomputing in Civil Infrastructure. <i>Scientia Iranica</i> , 2016, 23, 2417-2428.	0.3	34
92	Self-constructing wavelet neural network algorithm for nonlinear control of large structures. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 41, 249-258.	4.3	82
93	Computer-Aided Diagnosis of Depression Using EEG Signals. <i>European Neurology</i> , 2015, 73, 329-336.	0.6	144
94	Synchrosqueezed wavelet transform-fractality model for locating, detecting, and quantifying damage in smart highrise building structures. <i>Smart Materials and Structures</i> , 2015, 24, 065034.	1.8	136
95	Harmony Search Algorithm and its Variants. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2015, 29, 1539001.	0.7	70
96	Hybrid Harmony Search Algorithms. <i>International Journal on Artificial Intelligence Tools</i> , 2015, 24, 1530001.	0.7	11
97	A new adaptive algorithm for automated feature extraction in exponentially damped signals for health monitoring of smart structures. <i>Smart Materials and Structures</i> , 2015, 24, 125040.	1.8	44
98	IRREGULAR STEEL BUILDING STRUCTURES SUBJECTED TO BLAST LOADING. <i>Journal of Civil Engineering and Management</i> , 2015, 22, 17-25.	1.9	12
99	Applications of Harmony Search Algorithms in Engineering. <i>International Journal on Artificial Intelligence Tools</i> , 2015, 24, 1530002.	0.7	13
100	Clinical Neurophysiological and Automated EEG-Based Diagnosis of the Alzheimer's Disease. <i>European Neurology</i> , 2015, 74, 202-210.	0.6	50
101	Wavelet-based EEG processing for computer-aided seizure detection and epilepsy diagnosis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015, 26, 56-64.	0.9	430
102	A new music-empirical wavelet transform methodology for time-frequency analysis of noisy nonlinear and non-stationary signals. , 2015, 45, 55-68.		141
103	Wavelet methodology to improve single unit isolation in primary motor cortex cells. <i>Journal of Neuroscience Methods</i> , 2015, 246, 106-118.	1.3	47
104	Computer-Aided Diagnosis of Parkinson's Disease Using Enhanced Probabilistic Neural Network. <i>Journal of Medical Systems</i> , 2015, 39, 179.	2.2	122
105	Spotting psychopaths using technology. <i>Reviews in the Neurosciences</i> , 2015, 26, 721-732.	1.4	7
106	A Novel Depression Diagnosis Index Using Nonlinear Features in EEG Signals. <i>European Neurology</i> , 2015, 74, 79-83.	0.6	201
107	Nature Inspired Computing: An Overview and Some Future Directions. <i>Cognitive Computation</i> , 2015, 7, 706-714.	3.6	170
108	ROBUST VIBRATION CONTROL OF WIND-EXCITED HIGHRISE BUILDING STRUCTURES. <i>Journal of Civil Engineering and Management</i> , 2015, 21, 967-976.	1.9	32

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109	Shape optimization of free-form steel space-frame roof structures with complex geometries using evolutionary computing. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 38, 168-182.	4.3	112
110	3D displacement measurement model for health monitoring of structures using a motion capture system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 59, 352-362.	2.5	218
111	Nonlinear Dynamics Measures for Automated EEG-Based Sleep Stage Detection. <i>European Neurology</i> , 2015, 74, 268-287.	0.6	95
112	OPTIMUM TUNING PARAMETERS OF TUNED MASS DAMPERS FOR VIBRATION CONTROL OF IRREGULAR HIGHRISE BUILDING STRUCTURES. <i>Journal of Civil Engineering and Management</i> , 2014, 20, 609-620.	1.9	24
113	Spiral Dynamics Algorithm. <i>International Journal on Artificial Intelligence Tools</i> , 2014, 23, 1430001.	0.7	44
114	Fundamental period of irregular concentrically braced steel frame structures. <i>Structural Design of Tall and Special Buildings</i> , 2014, 23, 1211-1224.	0.9	12
115	AN INVESTIGATION OF THE EFFECTIVENESS OF THE FRAMING SYSTEMS IN STEEL STRUCTURES SUBJECTED TO BLAST LOADING. <i>Journal of Civil Engineering and Management</i> , 2014, 20, 767-777.	1.9	20
116	Water Drop Algorithms. <i>International Journal on Artificial Intelligence Tools</i> , 2014, 23, 1430002.	0.7	46
117	A Wavelet-Statistical Features Approach for Nonconvulsive Seizure Detection. <i>Clinical EEG and Neuroscience</i> , 2014, 45, 274-284.	0.9	79
118	Autism: cause factors, early diagnosis and therapies. <i>Reviews in the Neurosciences</i> , 2014, 25, 841-50.	1.4	152
119	Automated diagnosis of autism: in search of a mathematical marker. <i>Reviews in the Neurosciences</i> , 2014, 25, 851-61.	1.4	65
120	Complexity of functional connectivity networks in mild cognitive impairment subjects during a working memory task. <i>Clinical Neurophysiology</i> , 2014, 125, 694-702.	0.7	121
121	Two-phase genetic algorithm for topology optimization of free-form steel space-frame roof structures with complex curvatures. <i>Engineering Applications of Artificial Intelligence</i> , 2014, 32, 218-227.	4.3	76
122	Current methods in electrocardiogram characterization. <i>Computers in Biology and Medicine</i> , 2014, 48, 133-149.	3.9	198
123	Advances in optimization of highrise building structures. <i>Structural and Multidisciplinary Optimization</i> , 2014, 50, 899-919.	1.7	99
124	Computer-aided diagnosis of alcoholism-related EEG signals. <i>Epilepsy and Behavior</i> , 2014, 41, 257-263.	0.9	55
125	Fundamental period of irregular moment-resisting steel frame structures. <i>Structural Design of Tall and Special Buildings</i> , 2014, 23, 1141-1157.	0.9	15
126	Computer aided diagnosis of atrial arrhythmia using dimensionality reduction methods on transform domain representation. <i>Biomedical Signal Processing and Control</i> , 2014, 13, 295-305.	3.5	85



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127	Electroencephalograms in Diagnosis of Autism. , 2014, , 327-343.		2
128	Brain-Computer Interface after Nervous System Injury. Neuroscientist, 2014, 20, 639-651.	2.6	94
129	SUSTAINABLE BUILDING DESIGN. Journal of Civil Engineering and Management, 2014, 20, 1-10.	1.9	81
130	Combined corticospinal and reticulospinal effects on upper limb muscles. Neuroscience Letters, 2014, 561, 30-34.	1.0	58
131	Two-phase genetic algorithm for size optimization of free-form steel space-frame roof structures. Journal of Constructional Steel Research, 2013, 90, 283-296.	1.7	52
132	Tuned Mass Dampers. Archives of Computational Methods in Engineering, 2013, 20, 419-431.	6.0	225
133	Recent Advances on Vibration Control of Structures Under Dynamic Loading. Archives of Computational Methods in Engineering, 2013, 20, 353-360.	6.0	91
134	Brain-computer interface technologies: from signal to action. Reviews in the Neurosciences, 2013, 24, 537-52.	1.4	169
135	Concept Drift-Oriented Adaptive and Dynamic Support Vector Machine Ensemble With Time Window in Corporate Financial Risk Prediction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 801-813.	5.9	46
136	Spatiotemporal Analysis of Relative Convergence of EEGs Reveals Differences Between Brain Dynamics of Depressive Women and Men. Clinical EEG and Neuroscience, 2013, 44, 175-181.	0.9	127
137	EEG/MEG- and imaging-based diagnosis of Alzheimer's disease. Reviews in the Neurosciences, 2013, 24, 563-76.	1.4	44
138	Wavelet Coherence Model for Diagnosis of Alzheimer Disease. Clinical EEG and Neuroscience, 2012, 43, 268-278.	0.9	117
139	Graph Theoretical Analysis of Organization of Functional Brain Networks in ADHD. Clinical EEG and Neuroscience, 2012, 43, 5-13.	0.9	148
140	Visibility graph similarity: A new measure of generalized synchronization in coupled dynamic systems. Physica D: Nonlinear Phenomena, 2012, 241, 326-332.	1.3	146
141	System identification in structural engineering. Scientia Iranica, 2012, 19, 1355-1364.	0.3	155
142	Improved visibility graph fractality with application for the diagnosis of Autism Spectrum Disorder. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4720-4726.	1.2	160
143	Fractality analysis of frontal brain in major depressive disorder. International Journal of Psychophysiology, 2012, 85, 206-211.	0.5	228
144	Algorithms for chattering reduction in system control. Journal of the Franklin Institute, 2012, 349, 2687-2703.	1.9	22

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145	Fuzzy Synchronization Likelihood-wavelet methodology for diagnosis of autism spectrum disorder. <i>Journal of Neuroscience Methods</i> , 2012, 211, 203-209.	1.3	140
146	Expanding with a Lofty Goal. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2012, 27, 1-1.	6.3	2
147	Web-based tutor for interactive design of single-span and continuous steel beams. <i>Computer Applications in Engineering Education</i> , 2012, 20, 383-389.	2.2	5
148	Web-based tutor for interactive design of connections in steel buildings. <i>Computer Applications in Engineering Education</i> , 2012, 20, 568-577.	2.2	5
149	Fuzzy Synchronization Likelihood with Application to Attention-Deficit/Hyperactivity Disorder. <i>Clinical EEG and Neuroscience</i> , 2011, 42, 6-13.	0.9	125
150	Fractality and a Wavelet-chaos-Methodology for EEG-based Diagnosis of Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2011, 25, 85-92.	0.6	158
151	Functional community analysis of brain: A new approach for EEG-based investigation of the brain pathology. <i>NeuroImage</i> , 2011, 58, 401-408.	2.1	154
152	Intrahemispheric, interhemispheric, and distal EEG coherence in Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2011, 122, 897-906.	0.7	206
153	Smart structures: Part I "Active and semi-active control. <i>Scientia Iranica</i> , 2011, 18, 275-284.	0.3	196
154	Smart structures: Part II "Hybrid control systems and control strategies. <i>Scientia Iranica</i> , 2011, 18, 285-295.	0.3	128
155	HeartSaver: A mobile cardiac monitoring system for auto-detection of atrial fibrillation, myocardial infarction, and atrio-ventricular block. <i>Computers in Biology and Medicine</i> , 2011, 41, 211-220.	3.9	60
156	Hybridizing principles of TOPSIS with case-based reasoning for business failure prediction. <i>Computers and Operations Research</i> , 2011, 38, 409-419.	2.4	82
157	Probabilistic neural networks for diagnosis of Alzheimer's disease using conventional and wavelet coherence. <i>Journal of Neuroscience Methods</i> , 2011, 197, 165-170.	1.3	148
158	Fractality and a Wavelet-Chaos-Neural Network Methodology for EEG-Based Diagnosis of Autistic Spectrum Disorder. <i>Journal of Clinical Neurophysiology</i> , 2010, 27, 328-333.	0.9	240
159	New diagnostic EEG markers of the Alzheimer's disease using visibility graph. <i>Journal of Neural Transmission</i> , 2010, 117, 1099-1109.	1.4	272
160	The Silver Anniversary of CACAIE: 25 Years of Innovation in Computing. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2010, 25, 1-2.	6.3	4
161	Wavelet-Synchronization Methodology: A New Approach for EEG-Based Diagnosis of ADHD. <i>Clinical EEG and Neuroscience</i> , 2010, 41, 1-10.	0.9	197
162	Enhanced probabilistic neural network with local decision circles: A robust classifier. <i>Integrated Computer-Aided Engineering</i> , 2010, 17, 197-210.	2.5	320

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163	Wavelet-Chaos-Neural Network Models for EEG-Based Diagnosis of Neurological Disorders. Lecture Notes in Computer Science, 2010, , 1-11.	1.0	5
164	Early View of Accepted Manuscripts. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 81-81.	6.3	0
165	Recurrent Neural Network for Approximate Earthquake Time and Location Prediction Using Multiple Seismicity Indicators. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 280-292.	6.3	146
166	A new supervised learning algorithm for multiple spiking neural networks with application in epilepsy and seizure detection. Neural Networks, 2009, 22, 1419-1431.	3.3	385
167	A probabilistic neural network for earthquake magnitude prediction. Neural Networks, 2009, 22, 1018-1024.	3.3	274
168	SPIKING NEURAL NETWORKS. International Journal of Neural Systems, 2009, 19, 295-308.	3.2	608
169	Third Generation Neural Networks: Spiking Neural Networks. Advances in Intelligent and Soft Computing, 2009, , 167-178.	0.2	44
170	Vision for Civil and Environmental Engineering Departments in the 21st Century. Journal of Professional Issues in Engineering Education and Practice, 2009, 135, 1-3.	0.9	13
171	Dynamic fuzzy wavelet neuroemulator for non-linear control of irregular building structures. International Journal for Numerical Methods in Engineering, 2008, 74, 1045-1066.	1.5	169
172	Neuro-genetic algorithm for non-linear active control of structures. International Journal for Numerical Methods in Engineering, 2008, 75, 770-786.	1.5	185
173	Microcomputer-Aided Design and Drafting of Moment-Resisting Connections in Steel Buildings. Computer-Aided Civil and Infrastructure Engineering, 2008, 1, 32-44.	6.3	6
174	Microcomputer-Aided Instruction of Structural Steel Design. Computer-Aided Civil and Infrastructure Engineering, 2008, 2, 75-82.	6.3	2
175	Recent Efforts in Earthquake Prediction (1990-2007). Natural Hazards Review, 2008, 9, 70-80.	0.8	47
176	Principal Component Analysis-Enhanced Cosine Radial Basis Function Neural Network for Robust Epilepsy and Seizure Detection. IEEE Transactions on Biomedical Engineering, 2008, 55, 512-518.	2.5	427
177	A spatio-temporal wavelet-chaos methodology for EEG-based diagnosis of Alzheimer's disease. Neuroscience Letters, 2008, 444, 190-194.	1.0	190
178	Discussion of "A Wavelet Network Model for Short-Term Traffic Volume Forecasting" by Yuanchang Xie and Yunlong Zhang. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2008, 12, 97-98.	2.6	6
179	On Professional Standards of Publication in Peer-Reviewed Research Journals. Journal of Computing in Civil Engineering, 2008, 22, 1-2.	2.5	2
180	Concurrent engineering. Integrated Computer-Aided Engineering, 2008, 15, 1-1.	2.5	3

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