Hojjat Adeli

List of Publications by Year in Descending Order

354 papers	23,834 citations	90 h-index	140 g-index
365 ext. papers	28,347 ext. citations	3.9 avg, IF	7.81 L-index

#	Paper	IF	Citations
354	Machine learning techniques for diagnosis of alzheimer disease, mild cognitive disorder, and other types of dementia. *Biomedical Signal Processing and Control*, **2022**, 72, 103293	4.9	12
353	Plasticity model for partially prestressed concrete. *Structures*, **2022**, 38, 630-651	3.4	
352	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	7	1
351	Integrating structural control, health monitoring, and energy harvesting for smart cities. *Expert Systems*, **2021**, 38, e12845	2.1	1
350	Sudden Cardiac Arrest (SCA) Prediction Using ECG Morphological Features. *Arabian Journal for Science and Engineering*, **2021**, 46, 947-961	2.5	6
349	DESIGN OF A SMART PREFABRICATED SANITISING CHAMBER FOR COVID-19 USING COMPUTATIONAL FLUID DYNAMICS. *Journal of Civil Engineering and Management*, **2021**, 27, 139-148	3	1
348	A New dispersion entropy and fuzzy logic system methodology for automated classification of dementia stages using electroencephalograms. *Clinical Neurology and Neurosurgery*, **2021**, 201, 106446	2	8
347	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	3.6	67
346	Detection of Epileptic Seizure Using Pretrained Deep Convolutional Neural Network and Transfer Learning. *European Neurology*, **2020**, 83, 602-614	2.1	30
345	Machine learning (ML) for the diagnosis of autism spectrum disorder (ASD) using brain imaging. *Reviews in the Neurosciences*, **2020**,	4.7	15
344	Four Decades of Computing in Civil Engineering. *Lecture Notes in Civil Engineering*, **2020**, 3-11	0.3	6
343	Discrete Spider Monkey Optimization for Travelling Salesman Problem. *Applied Soft Computing Journal*, **2020**, 86, 105887	7.5	47
342	Deep learning techniques for recommender systems based on collaborative filtering. *Expert Systems*, **2020**, 37, e12647	2.1	13
341	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	2.1	5
340	Upper Limb Movement Classification Via Electromyographic Signals and an Enhanced Probabilistic Network. *Journal of Medical Systems*, **2020**, 44, 176	5.1	14
339	FEMa: a finite element machine for fast learning. *Neural Computing and Applications*, **2020**, 32, 6393-6404	4.8	84
338	A dynamic ensemble learning algorithm for neural networks. *Neural Computing and Applications*, **2020**, 32, 8675-8690	4.8	105

337	Predicting Improved Daily Use of the More Affected Arm Poststroke Following Constraint-Induced Movement Therapy. *Physical Therapy*, **2019**, 99, 1667-1678	3.3	16
336	A unified approach for analysis of cable and tensegrity structures using memoryless quasi-newton minimization of total strain energy. *Engineering Structures*, **2019**, 179, 332-340	4.7	13
335	Form-finding and analysis of hyperelastic tensegrity structures using unconstrained nonlinear programming. *Engineering Structures*, **2019**, 191, 439-446	4.7	6
334	A novel methodology for automated differential diagnosis of mild cognitive impairment and the Alzheimer's disease using EEG signals. *Journal of Neuroscience Methods*, **2019**, 322, 88-95	3	30
333	Semi-active vibration control of smart isolated highway bridge structures using replicator dynamics. *Engineering Structures*, **2019**, 186, 536-552	4.7	26
332	Optimization of University Course Scheduling Problem using Particle Swarm Optimization with Selective Search. *Expert Systems With Applications*, **2019**, 127, 9-24	7.8	39
331	Artificial Intelligence Techniques for Automated Diagnosis of Neurological Disorders. *European Neurology*, **2019**, 82, 41-64	2.1	43
330	A novel end-to-end deep learning scheme for classifying multi-class motor imagery electroencephalography signals. *Expert Systems*, **2019**, 36, e12494	2.1	17
329	Visibility graph analysis of speech evoked auditory brainstem response in persistent developmental stuttering. *Neuroscience Letters*, **2019**, 696, 28-32	3.3	12
328	Recurrent neural network model with Bayesian training and mutual information for response prediction of large buildings. *Engineering Structures*, **2019**, 178, 603-615	4.7	55
327	Permutation Jaccard Distance-Based Hierarchical Clustering to Estimate EEG Network Density Modifications in MCI Subjects. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**,	10.3	39
326	Automated EEG-based screening of depression using deep convolutional neural network. *Computer Methods and Programs in Biomedicine*, **2018**, 161, 103-113	6.9	235
325	A novel unsupervised deep learning model for global and local health condition assessment of structures. *Engineering Structures*, **2018**, 156, 598-607	4.7	190
324	Vibration control of smart base-isolated irregular buildings using neural dynamic optimization model and replicator dynamics. *Engineering Structures*, **2018**, 156, 322-336	4.7	30
323	Deep convolutional neural network for the automated detection and diagnosis of seizure using EEG signals. *Computers in Biology and Medicine*, **2018**, 100, 270-278	7	711
322	Sustainable Decision-Making in Civil Engineering, Construction and Building Technology. *Sustainability*, **2018**, 10, 14	3.6	86
321	Seismic performance factors for low- to mid-rise steel diagrid structural systems. *Structural Design of Tall and Special Buildings*, **2018**, 27, e1505	1.8	20
320	A Novel Wavelet Transform-Homogeneity Model for Sudden Cardiac Death Prediction Using ECG Signals. *Journal of Medical Systems*, **2018**, 42, 176	5.1	20

319	INFRARED THERMOGRAPHY FOR DETECTING DEFECTS IN CONCRETE STRUCTURES. *Journal of Civil Engineering and Management*, **2018**, 24, 508-515	3	21
318	Automatic Seizure Detection Based on Morphological Features Using One-Dimensional Local Binary Pattern on Long-Term EEG. *Clinical EEG and Neuroscience*, **2018**, 49, 351-362	2.3	43
317	A Novel Methodology for Extracting and Evaluating Therapeutic Movements in Game-Based Motion Capture Rehabilitation Systems. *Journal of Medical Systems*, **2018**, 42, 255	5.1	22
316	Control methodologies for vibration control of smart civil and mechanical structures. *Expert Systems*, **2018**, 35, e12354	2.1	22
315	Smart bacteria-foraging algorithm-based customized kernel support vector regression and enhanced probabilistic neural network for compaction quality assessment and control of earth-rock dam. *Expert Systems*, **2018**, 35, e12357	2.1	21
314	Parkinson's disease: Cause factors, measurable indicators, and early diagnosis. *Computers in Biology and Medicine*, **2018**, 102, 234-241	7	71
313	Segmentation and clustering in brain MRI imaging. *Reviews in the Neurosciences*, **2018**, 30, 31-44	4.7	20
312	Novel Machine-Learning Model for Estimating Construction Costs Considering Economic Variables and Indexes. *Journal of Construction Engineering and Management - ASCE*, **2018**, 144, 04018106	4.2	64
311	Automated seizure prediction. *Epilepsy and Behavior*, **2018**, 88, 251-261	3.2	77
310	Graph Theory and Brain Connectivity in Alzheimer's Disease. *Neuroscientist*, **2017**, 23, 616-626	7.6	78
309	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	3.3	45
308	Diagrid: An innovative, sustainable, and efficient structural system. *Structural Design of Tall and Special Buildings*, **2017**, 26, e1358	1.8	32
307	Evolutionary learning based sustainable strain sensing model for structural health monitoring of high-rise buildings. *Applied Soft Computing Journal*, **2017**, 58, 576-585	7.5	66
306	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	4.7	71
305	Computer-aided prediction of extent of motor recovery following constraint-induced movement therapy in chronic stroke. *Behavioural Brain Research*, **2017**, 329, 191-199	3.4	18
304	Recent advances in control algorithms for smart structures and machines. *Expert Systems*, **2017**, 34, e12205	2.1	27
303	Wearable technology for patients with brain and spinal cord injuries. *Reviews in the Neurosciences*, **2017**, 28, 913-920	4.7	6
302	A novel machine learning-based algorithm to detect damage in high-rise building structures. *Structural Design of Tall and Special Buildings*, **2017**, 26, e1400	1.8	167

301	A New Neural Dynamic Classification Algorithm. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 3074-3083	10.3	146
300	Meta-heuristic multi- and many-objective optimization techniques for solution of machine learning problems. *Expert Systems*, **2017**, 34, e12255	2.1	10
299	Many-objective control optimization of high-rise building structures using replicator dynamics and neural dynamics model. *Structural and Multidisciplinary Optimization*, **2017**, 56, 1521-1537	3.6	36
298	Diagnosis of attention deficit hyperactivity disorder using imaging and signal processing techniques. *Computers in Biology and Medicine*, **2017**, 88, 93-99	7	37
297	A novel algorithm to detect glaucoma risk using texton and local configuration pattern features extracted from fundus images. *Computers in Biology and Medicine*, **2017**, 88, 72-83	7	66
296	Gross motor ability predicts response to upper extremity rehabilitation in chronic stroke. *Behavioural Brain Research*, **2017**, 333, 314-322	3.4	21
295	NEEWS: A novel earthquake early warning model using neural dynamic classification and neural dynamic optimization. *Soil Dynamics and Earthquake Engineering*, **2017**, 100, 417-427	3.5	51
294	Nature-Inspired Chemical Reaction Optimisation Algorithms. *Cognitive Computation*, **2017**, 9, 411-422	4.4	30
293	MUSIC-Expected maximization gaussian mixture methodology for clustering and detection of task-related neuronal firing rates. *Behavioural Brain Research*, **2017**, 317, 226-236	3.4	11
292	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	1.8	68
291	Novel Approach for Concrete Mixture Design Using Neural Dynamics Model and Virtual Lab Concept. *ACI Materials Journal*, **2017**, 114,	0.9	8
290	Supervised Deep Restricted Boltzmann Machine for Estimation of Concrete. *ACI Materials Journal*, **2017**, 114,	0.9	106
289	Invited Review: Recent developments in vibration control of building and bridge structures. *Journal of Vibroengineering*, **2017**, 19, 3564-3580	0.5	54
288	Multi-agent replicator controller for sustainable vibration control of smart structures. *Journal of Vibroengineering*, **2017**, 19, 4300-4322	0.5	23
287	Signal Processing Techniques for Vibration-Based Health Monitoring of Smart Structures. *Archives of Computational Methods in Engineering*, **2016**, 23, 1-15	7.8	238
286	Simulated Annealing, Its Variants and Engineering Applications. *International Journal on Artificial Intelligence Tools*, **2016**, 25, 1630001	0.9	51
285	Gravitational Search Algorithm and Its Variants. *International Journal of Pattern Recognition and Artificial Intelligence*, **2016**, 30, 1639001	1.1	32
284	Cost optimization of reinforced concrete flat slabs of arbitrary configuration in irregular highrise building structures. *Structural and Multidisciplinary Optimization*, **2016**, 54, 151-164	3.6	13

283	New discrete-time robust H2/H algorithm for vibration control of smart structures using linear matrix inequalities. *Engineering Applications of Artificial Intelligence*, **2016**, 55, 47-57	7.2	12
282	Variable air volume air-conditioning experiment system with advanced controls. *Indoor and Built Environment*, **2016**, 25, 114-127	1.8	5
281	BRIEF HISTORY OF NATURAL SCIENCES FOR NATURE-INSPIRED COMPUTING IN ENGINEERING. *Journal of Civil Engineering and Management*, **2016**, 22, 287-301	3	13
280	Fundamental period of irregular eccentrically braced tall steel frame structures. *Journal of Constructional Steel Research*, **2016**, 120, 199-205	3.8	10
279	A new methodology for automated diagnosis of mild cognitive impairment (MCI) using magnetoencephalography (MEG). *Behavioural Brain Research*, **2016**, 305, 174-80	3.4	40
278	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	7.2	81
277	A Novel Machine Learning Model for Estimation of Sale Prices of Real Estate Units. *Journal of Construction Engineering and Management - ASCE*, **2016**, 142, 04015066	4.2	102
276	Brain functional connectivity patterns for emotional state classification in Parkinson's disease patients without dementia. *Behavioural Brain Research*, **2016**, 298, 248-60	3.4	89
275	Neural Network, Machine Learning, and Evolutionary Approaches for Concrete Material Characterization. *ACI Materials Journal*, **2016**, 113,	0.9	25
274	A comparative study of signal processing methods for structural health monitoring. *Journal of Vibroengineering*, **2016**, 18, 2186-2204	0.5	16
273	Time-frequency techniques for modal parameters identification of civil structures from acquired dynamic signals. *Journal of Vibroengineering*, **2016**, 18, 3164-3185	0.5	31
272	HYBRID MULTIPLE CRITERIA DECISION MAKING METHODS: A REVIEW OF APPLICATIONS IN ENGINEERING. *Scientia Iranica*, **2016**, 23, 1-20	1.5	67
271	Neurocomputing in Civil Infrastructure. *Scientia Iranica*, **2016**, 23, 2417-2428	1.5	19
270	Sustainability in highrise building design and construction. *Structural Design of Tall and Special Buildings*, **2016**, 25, 643-658	1.8	28
269	APPLICATIONS OF GRAVITATIONAL SEARCH ALGORITHM IN ENGINEERING. *Journal of Civil Engineering and Management*, **2016**, 22, 981-990	3	12
268	Resting state functional magnetic resonance imaging processing techniques in stroke studies. *Reviews in the Neurosciences*, **2016**, 27, 871-885	4.7	14
267	Physics-based search and optimization: Inspirations from nature. *Expert Systems*, **2016**, 33, 607-623	2.1	21
266	Hierarchical clustering of the electroencephalogram spectral coherence to study the changes in brain connectivity in Alzheimer's disease **2016**,		4

265	Imaging and machine learning techniques for diagnosis of Alzheimer's disease. *Reviews in the Neurosciences*, **2016**, 27, 857-870	4.7	63
264	A new music-empirical wavelet transform methodology for time-frequency analysis of noisy nonlinear and non-stationary signals **2015**, 45, 55-68		100
263	Wavelet methodology to improve single unit isolation in primary motor cortex cells. *Journal of Neuroscience Methods*, **2015**, 246, 106-18	3	39
262	Computer-Aided Diagnosis of Parkinson's Disease Using Enhanced Probabilistic Neural Network. *Journal of Medical Systems*, **2015**, 39, 179	5.1	92
261	Spotting psychopaths using technology. *Reviews in the Neurosciences*, **2015**, 26, 721-32	4.7	3
260	A Novel Depression Diagnosis Index Using Nonlinear Features in EEG Signals. *European Neurology*, **2015**, 74, 79-83	2.1	128
259	Nature Inspired Computing: An Overview and Some Future Directions. *Cognitive Computation*, **2015** , 7, 706-714	4.4	112
258	ROBUST VIBRATION CONTROL OF WIND-EXCITED HIGHRISE BUILDING STRUCTURES. *Journal of Civil Engineering and Management*, **2015**, 21, 967-976	3	21
257	Shape optimization of free-form steel space-frame roof structures with complex geometries using evolutionary computing. *Engineering Applications of Artificial Intelligence*, **2015**, 38, 168-182	7.2	68
256	3D displacement measurement model for health monitoring of structures using a motion capture system. *Measurement: Journal of the International Measurement Confederation*, **2015**, 59, 352-362	4.6	157
255	Nonlinear Dynamics Measures for Automated EEG-Based Sleep Stage Detection. *European Neurology*, **2015**, 74, 268-87	2.1	57
254	Self-constructing wavelet neural network algorithm for nonlinear control of large structures. *Engineering Applications of Artificial Intelligence*, **2015**, 41, 249-258	7.2	51
253	Computer-Aided Diagnosis of Depression Using EEG Signals. *European Neurology*, **2015**, 73, 329-36	2.1	91
252	Synchrosqueezed wavelet transform-fractality model for locating, detecting, and quantifying damage in smart highrise building structures. *Smart Materials and Structures*, **2015**, 24, 065034	3.4	95
251	Harmony Search Algorithm and its Variants. *International Journal of Pattern Recognition and Artificial Intelligence*, **2015**, 29, 1539001	1.1	38
250	Hybrid Harmony Search Algorithms. *International Journal on Artificial Intelligence Tools*, **2015**, 24, 1530001	0.9	10
249	A new adaptive algorithm for automated feature extraction in exponentially damped signals for health monitoring of smart structures. *Smart Materials and Structures*, **2015**, 24, 125040	3.4	33
248	IRREGULAR STEEL BUILDING STRUCTURES SUBJECTED TO BLAST LOADING. *Journal of Civil Engineering and Management*, **2015**, 22, 17-25	3	8

247	Applications of Harmony Search Algorithms in Engineering. *International Journal on Artificial Intelligence Tools*, **2015**, 24, 1530002	0.9	9
246	Clinical Neurophysiological and Automated EEG-Based Diagnosis of the Alzheimer's Disease. *European Neurology*, **2015**, 74, 202-10	2.1	34
245	Wavelet-based EEG processing for computer-aided seizure detection and epilepsy diagnosis. *Seizure: the Journal of the British Epilepsy Association*, **2015**, 26, 56-64	3.2	303
244	Two-phase genetic algorithm for topology optimization of free-form steel space-frame roof structures with complex curvatures. *Engineering Applications of Artificial Intelligence*, **2014**, 32, 218-227	7.2	55
243	Current methods in electrocardiogram characterization. *Computers in Biology and Medicine*, **2014**, 48, 133-49	7	146
242	Advances in optimization of highrise building structures. *Structural and Multidisciplinary Optimization*, **2014**, 50, 899-919	3.6	67
241	Computer-aided diagnosis of alcoholism-related EEG signals. *Epilepsy and Behavior*, **2014**, 41, 257-63	3.2	45
240	Fundamental period of irregular moment-resisting steel frame structures. *Structural Design of Tall and Special Buildings*, **2014**, 23, 1141-1157	1.8	13
239	Computer aided diagnosis of atrial arrhythmia using dimensionality reduction methods on transform domain representation. *Biomedical Signal Processing and Control*, **2014**, 13, 295-305	4.9	72
238	Electroencephalograms in Diagnosis of Autism **2014**, 327-343		2
237	Brain-computer interface after nervous system injury. *Neuroscientist*, **2014**, 20, 639-51	7.6	75
236	SUSTAINABLE BUILDING DESIGN. *Journal of Civil Engineering and Management*, **2014**, 20, 1-10	3	58
235	Combined corticospinal and reticulospinal effects on upper limb muscles. *Neuroscience Letters*, **2014**, 561, 30-4	3.3	51
234	OPTIMUM TUNING PARAMETERS OF TUNED MASS DAMPERS FOR VIBRATION CONTROL OF IRREGULAR HIGHRISE BUILDING STRUCTURES. *Journal of Civil Engineering and Management*, **2014**, 20, 609-620	3	18
233	Spiral Dynamics Algorithm. *International Journal on Artificial Intelligence Tools*, **2014**, 23, 1430001	0.9	23
232	Fundamental period of irregular concentrically braced steel frame structures. *Structural Design of Tall and Special Buildings*, **2014**, 23, 1211-1224	1.8	9
231	AN INVESTIGATION OF THE EFFECTIVENESS OF THE FRAMING SYSTEMS IN STEEL STRUCTURES SUBJECTED TO BLAST LOADING. *Journal of Civil Engineering and Management*, **2014**, 20, 767-777	3	14
230	Water Drop Algorithms. *International Journal on Artificial Intelligence Tools*, **2014**, 23, 1430002	0.9	25

229	A Wavelet-Statistical Features Approach for Nonconvulsive Seizure Detection. *Clinical EEG and Neuroscience*, **2014**, 45, 274-284	2.3	63
228	Autism: cause factors, early diagnosis and therapies. *Reviews in the Neurosciences*, **2014**, 25, 841-50	4.7	85
227	Automated diagnosis of autism: in search of a mathematical marker. *Reviews in the Neurosciences*, **2014**, 25, 851-61	4.7	47
226	Complexity of functional connectivity networks in mild cognitive impairment subjects during a working memory task. *Clinical Neurophysiology*, **2014**, 125, 694-702	4.3	100
225	Two-phase genetic algorithm for size optimization of free-form steel space-frame roof structures. *Journal of Constructional Steel Research*, **2013**, 90, 283-296	3.8	45
224	Tuned Mass Dampers. *Archives of Computational Methods in Engineering*, **2013**, 20, 419-431	7.8	137
223	Recent Advances on Vibration Control of Structures Under Dynamic Loading. *Archives of Computational Methods in Engineering*, **2013**, 20, 353-360	7.8	64
222	Brain-computer interface technologies: from signal to action. *Reviews in the Neurosciences*, **2013**, 24, 537-52	4.7	139
221	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	7.3	34
220	Spatiotemporal analysis of relative convergence of EEGs reveals differences between brain dynamics of depressive women and men. *Clinical EEG and Neuroscience*, **2013**, 44, 175-81	2.3	98
219	EEG/MEG- and imaging-based diagnosis of Alzheimer's disease. *Reviews in the Neurosciences*, **2013**, 24, 563-76	4.7	35
218	**2013**,		162
217	Web-based tutor for interactive design of single-span and continuous steel beams. *Computer Applications in Engineering Education*, **2012**, 20, 383-389	1.6	2
216	Web-based tutor for interactive design of connections in steel buildings. *Computer Applications in Engineering Education*, **2012**, 20, 568-577	1.6	1
215	Visibility graph similarity: A new measure of generalized synchronization in coupled dynamic systems. *Physica D: Nonlinear Phenomena*, **2012**, 241, 326-332	3.3	123
214	System identification in structural engineering. *Scientia Iranica*, **2012**, 19, 1355-1364	1.5	132
213	Improved visibility graph fractality with application for the diagnosis of Autism Spectrum Disorder. *Physica A: Statistical Mechanics and Its Applications*, **2012**, 391, 4720-4726	3.3	143
212	Fractality analysis of frontal brain in major depressive disorder. *International Journal of Psychophysiology*, **2012**, 85, 206-11	2.9	163

211	Algorithms for chattering reduction in system control. *Journal of the Franklin Institute*, **2012**, 349, 2687-2703	4	16
210	Fuzzy Synchronization Likelihood-wavelet methodology for diagnosis of autism spectrum disorder. *Journal of Neuroscience Methods*, **2012**, 211, 203-9	3	118
209	Expanding with a Lofty Goal. *Computer-Aided Civil and Infrastructure Engineering*, **2012**, 27, 1-1	8.4	2
208	Wavelet coherence model for diagnosis of Alzheimer disease. *Clinical EEG and Neuroscience*, **2012**, 43, 268-78	2.3	106
207	Graph theoretical analysis of organization of functional brain networks in ADHD. *Clinical EEG and Neuroscience*, **2012**, 43, 5-13	2.3	129
206	Fractality and a wavelet-chaos-methodology for EEG-based diagnosis of Alzheimer disease. *Alzheimer Disease and Associated Disorders*, **2011**, 25, 85-92	2.5	138
205	Functional community analysis of brain: a new approach for EEG-based investigation of the brain pathology. *NeuroImage*, **2011**, 58, 401-8	7.9	136
204	Intrahemispheric, interhemispheric, and distal EEG coherence in Alzheimer's disease. *Clinical Neurophysiology*, **2011**, 122, 897-906	4.3	156
203	Smart structures: Part I Active and semi-active control. *Scientia Iranica*, **2011**, 18, 275-284	1.5	150
202	Smart structures: Part II Hybrid control systems and control strategies. *Scientia Iranica*, **2011**, 18, 285-295	1.5	108
201	Fuzzy synchronization likelihood with application to attention-deficit/hyperactivity disorder. *Clinical EEG and Neuroscience*, **2011**, 42, 6-13	2.3	120
200	HeartSaver: a mobile cardiac monitoring system for auto-detection of atrial fibrillation, myocardial infarction, and atrio-ventricular block. *Computers in Biology and Medicine*, **2011**, 41, 211-20	7	49
199	Hybridizing principles of TOPSIS with case-based reasoning for business failure prediction. *Computers and Operations Research*, **2011**, 38, 409-419	4.6	61
198	Probabilistic neural networks for diagnosis of Alzheimer's disease using conventional and wavelet coherence. *Journal of Neuroscience Methods*, **2011**, 197, 165-70	3	131
197	The Silver Anniversary of CACAIE: 25 Years of Innovation in Computing. *Computer-Aided Civil and Infrastructure Engineering*, **2010**, 25, 1-2	8.4	3
196	Wavelet-synchronization methodology: a new approach for EEG-based diagnosis of ADHD. *Clinical EEG and Neuroscience*, **2010**, 41, 1-10	2.3	169
195	Enhanced probabilistic neural network with local decision circles: A robust classifier. *Integrated Computer-Aided Engineering*, **2010**, 17, 197-210	5.2	264
194	Fractality and a wavelet-chaos-neural network methodology for EEG-based diagnosis of autistic spectrum disorder. *Journal of Clinical Neurophysiology*, **2010**, 27, 328-33	2.2	189

193	New diagnostic EEG markers of the Alzheimer's disease using visibility graph. *Journal of Neural Transmission*, **2010**, 117, 1099-109	4.3	230
192	Wavelet-Chaos-Neural Network Models for EEG-Based Diagnosis of Neurological Disorders. *Lecture Notes in Computer Science*, **2010**, 1-11	0.9	2
191	Early View of Accepted Manuscripts. *Computer-Aided Civil and Infrastructure Engineering*, **2009**, 24, 81-818.4		
190	Recurrent Neural Network for Approximate Earthquake Time and Location Prediction Using Multiple Seismicity Indicators. *Computer-Aided Civil and Infrastructure Engineering*, **2009**, 24, 280-292	8.4	113
189	A new supervised learning algorithm for multiple spiking neural networks with application in epilepsy and seizure detection. *Neural Networks*, **2009**, 22, 1419-31	9.1	322
188	A probabilistic neural network for earthquake magnitude prediction. *Neural Networks*, **2009**, 22, 1018-249.1		221
187	Spiking neural networks. *International Journal of Neural Systems*, **2009**, 19, 295-308	6.2	393
186	Third Generation Neural Networks: Spiking Neural Networks. *Advances in Intelligent and Soft Computing*, **2009**, 167-178		28
185	Vision for Civil and Environmental Engineering Departments in the 21st Century. *Journal of Professional Issues in Engineering Education and Practice*, **2009**, 135, 1-3	0.7	9
184	Microcomputer-Aided Design and Drafting of Moment-Resisting Connections in Steel Buildings. *Computer-Aided Civil and Infrastructure Engineering*, **2008**, 1, 32-44	8.4	5
183	Microcomputer-Aided Instruction of Structural Steel Design. *Computer-Aided Civil and Infrastructure Engineering*, **2008**, 2, 75-82	8.4	2
182	Parallel Structural Analysis Using Threads. *Computer-Aided Civil and Infrastructure Engineering*, **2008**, 4, 133-147	8.4	20
181	Recent Efforts in Earthquake Prediction (1990–2007). *Natural Hazards Review*, **2008**, 9, 70-80	3.5	39
180	Principal component analysis-enhanced cosine radial basis function neural network for robust epilepsy and seizure detection. *IEEE Transactions on Biomedical Engineering*, **2008**, 55, 512-8	5	370
179	A spatio-temporal wavelet-chaos methodology for EEG-based diagnosis of Alzheimer's disease. *Neuroscience Letters*, **2008**, 444, 190-4	3.3	165
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	3.2	6
177	On Professional Standards of Publication in Peer-Reviewed Research Journals. *Journal of Computing in Civil Engineering*, **2008**, 22, 1-2	5	0
176	Concurrent engineering. *Integrated Computer-Aided Engineering*, **2008**, 15, 1-1	5.2	2

175	Dynamic fuzzy wavelet neuroemulator for non-linear control of irregular building structures. *International Journal for Numerical Methods in Engineering*, **2008**, 74, 1045-1066	2.4	159
174	Neuro-genetic algorithm for non-linear active control of structures. *International Journal for Numerical Methods in Engineering*, **2008**, 75, 770-786	2.4	174
173	Improved spiking neural networks for EEG classification and epilepsy and seizure detection. *Integrated Computer-Aided Engineering*, **2007**, 14, 187-212	5.2	279
172	Pseudospectra, MUSIC, and dynamic wavelet neural network for damage detection of highrise buildings. *International Journal for Numerical Methods in Engineering*, **2007**, 71, 606-629	2.4	201
171	Bayesian wavelet packet denoising for structural system identification. *Structural Control and Health Monitoring*, **2007**, 14, 333-356	4.5	145
170	Measuring Research Journals. *Computer-Aided Civil and Infrastructure Engineering*, **2007**, 22, 1-5	8.4	2
169	A New Approach for Health Monitoring of Structures: Terrestrial Laser Scanning. *Computer-Aided Civil and Infrastructure Engineering*, **2007**, 22, 19-30	8.4	373
168	On Principles of Scholarly Research Contributions: How to Avoid Multiple Rounds of Reviews. *Computer-Aided Civil and Infrastructure Engineering*, **2007**, 23, 1-2	8.4	0
167	A wavelet-chaos methodology for analysis of EEGs and EEG subbands to detect seizure and epilepsy. *IEEE Transactions on Biomedical Engineering*, **2007**, 54, 205-11	5	476
166	Mixed-band wavelet-chaos-neural network methodology for epilepsy and epileptic seizure detection. *IEEE Transactions on Biomedical Engineering*, **2007**, 54, 1545-51	5	344
165	Neural network models for earthquake magnitude prediction using multiple seismicity indicators. *International Journal of Neural Systems*, **2007**, 17, 13-33	6.2	147
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