

Babak N Araabi

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.

186
papers

2,326
citations

26
h-index

39
g-index

210
ext. papers

2,782
ext. citations

3.6
avg, IF

5.3
L-index

#	Paper	IF	Citations
186	An age-dependent Connectivity-based computer aided diagnosis system for Autism Spectrum Disorder using Resting-state fMRI. <i>Biomedical Signal Processing and Control</i> , 2022 , 71, 103108	4.9	1
185	A new survival analysis model in adjuvant Tamoxifen-treated breast cancer patients using manifold-based semi-supervised learning. <i>Journal of Computational Science</i> , 2022 , 61, 101645	3.4	0
184	Functional Networks Abnormalities in Autism Spectrum Disorder: Age-Related Hypo and Hyper Connectivity. <i>Brain Topography</i> , 2021 , 34, 306-322	4.3	6
183	A new EM algorithm for flexibly tied GMMs with large number of components. <i>Pattern Recognition</i> , 2021 , 114, 107836	7.7	6
182	A store location-based recommender system using user's position and web searches. <i>Journal of Location Based Services</i> , 2021 , 15, 118-141	1.9	1
181	Optimal Mechanism Design in the Sponsored Content Service Market. <i>IEEE Communications Letters</i> , 2021 , 25, 3051-3054	3.8	
180	Learning pareto optimal solution of a multi-attribute bilateral negotiation using deep reinforcement. <i>Electronic Commerce Research and Applications</i> , 2020 , 43, 100987	4.6	0
179	Model-based Persian calligraphy synthesis via learning to transfer templates to personal styles. <i>International Journal on Document Analysis and Recognition</i> , 2020 , 23, 183-203	3.8	
178	An information-based approach to handle various types of uncertainty in fuzzy bodies of evidence. <i>PLoS ONE</i> , 2020 , 15, e0227495	3.7	3
177	Learning from Demonstrations and Human Evaluative Feedbacks: Handling Sparsity and Imperfection Using Inverse Reinforcement Learning Approach. <i>Journal of Robotics</i> , 2020 , 2020, 1-18	1.5	6
176	Online Forecasting of Synchronous Time Series Based on Evolving Linear Models. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 1865-1876	7.3	12
175	Active Transfer Learning for Persian Offline Signature Verification 2019 ,		3
174	Learning Representations from Persian Handwriting for Offline Signature Verification, a Deep Transfer Learning Approach 2019 ,		9
173	Coincidence Detection within the Excitable Rat Olfactory Bulb Granule Cell Spines. <i>Journal of Neuroscience</i> , 2019 , 39, 584-595	6.6	7
172	Quantitative determination of concordance in localizing epileptic focus by component-based EEG-fMRI. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 177, 231-241	6.9	15
171	Component-related BOLD response to localize epileptic focus using simultaneous EEG-fMRI recordings at 3T. <i>Journal of Neuroscience Methods</i> , 2019 , 322, 34-49	3	9
170	Multi-representational learning for Offline Signature Verification using Multi-Loss Snapshot Ensemble of CNNs. <i>Expert Systems With Applications</i> , 2019 , 133, 317-330	7.8	21

169	Time-frequency decomposition of seismic signals via quantum swarm evolutionary matching pursuit. <i>Geophysical Prospecting</i> , 2019 , 67, 1701-1719	1.9	4
168	Towards Information Theoretic Measurement of Fidelity and Diversity in Handwriting Synthesis 2019 ,		1
167	Cell size optimization for fracture measure estimation in multi-scale studies within oil wells. <i>Carbonates and Evaporites</i> , 2019 , 34, 261-272	1.3	2
166	Partial identification and control of MIMO systems via switching linear reduced-order models under weak stimulations. <i>Evolving Systems</i> , 2019 , 10, 111-128	2.1	9
165	Prediction of environmental indicators in land leveling using artificial intelligence techniques. <i>Journal of Environmental Health Science & Engineering</i> , 2018 , 16, 65-80	2.9	2
164	A time local subset feature selection for prediction of sudden cardiac death from ECG signal. <i>Medical and Biological Engineering and Computing</i> , 2018 , 56, 1253-1270	3.1	25
163	How to decide when the sources of evidence are unreliable: A multi-criteria discounting approach in the Dempster-Shafer theory. <i>Information Sciences</i> , 2018 , 448-449, 233-248	7.7	25
162	Data driven sensor and actuator fault detection and isolation in wind turbine using classifier fusion. <i>Renewable Energy</i> , 2018 , 116, 99-106	8.1	43
161	Comparing ANFIS and integrating algorithm models (ICA-ANN, PSO-ANN, and GA-ANN) for prediction of energy consumption for irrigation land leveling. <i>Geosystem Engineering</i> , 2018 , 21, 81-94	1.2	7
160	Identification and Control of MIMO Linear Systems under Sufficient and Insufficient Excitation 2018 ,		6
159	Combination of learning from non-optimal demonstrations and feedbacks using inverse reinforcement learning and Bayesian policy improvement. <i>Expert Systems With Applications</i> , 2018 , 112, 331-341	7.8	4
158	. <i>IEEE Transactions on Robotics</i> , 2017 , 33, 153-168	6.5	6
157	Integrating artificial neural network and imperialist competitive algorithm (ICA), to predict the energy consumption for land leveling. <i>International Journal of Energy Sector Management</i> , 2017 , 11, 522-540	2.5	4
156	Rapid face adaptation distributes representation in inferior-temporal cortex across time and neuronal dimensions. <i>Scientific Reports</i> , 2017 , 7, 1709	4.9	2
155	UTSig: A Persian offline signature dataset. <i>IET Biometrics</i> , 2017 , 6, 1-8	2.9	33
154	A self tuning regulator design for nonlinear time varying systems based on evolving linear models. <i>Evolving Systems</i> , 2016 , 7, 159-172	2.1	6
153	Estimation of Depth and Length of Defects From Magnetic Flux Leakage Measurements: Verification With Simulations, Experiments, and Pigging Data. <i>IEEE Transactions on Magnetics</i> , 2016 , 1-1	2	21
152	Temporal dynamics of visual category representation in the macaque inferior temporal cortex. <i>Journal of Neurophysiology</i> , 2016 , 116, 587-601	3.2	13

151	Deep Multitask Metric Learning for Offline Signature Verification. <i>Pattern Recognition Letters</i> , 2016 , 80, 84-90	4.7	96
150	Online Local Input Selection Through Evolving Heterogeneous Fuzzy Inference System. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1364-1377	8.3	13
149	Competitive interaction reasoning: A bio-inspired reasoning method for fuzzy rule based classification systems. <i>Information Sciences</i> , 2016 , 352-353, 35-47	7.7	3
148	Improved Bayesian information criterion for mixture model selection. <i>Pattern Recognition Letters</i> , 2016 , 69, 22-27	4.7	26
147	Automatic Recognition of Acute Myelogenous Leukemia in Blood Microscopic Images Using K-means Clustering and Support Vector Machine. <i>Journal of Medical Signals and Sensors</i> , 2016 , 6, 183-93 ¹		5
146	Writer identification using a probabilistic model of handwritten digits and approximate Bayesian computation 2016 ,		1
145	Fusing Iris, Palmprint and Fingerprint in a Multi-biometric Recognition System 2016 ,		6
144	Persian offline signature verification based on curvature and gradient histograms 2016 ,		4
143	Order determination and robust adaptive control of unknown deterministic input-affine systems: An operational controller 2016 ,		5
142	Information-Based Evaluation of Approximation Methods in Dempster-Shafer Theory. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2016 , 24, 503-535	0.8	4
141	Toward automatic development of handwritten personal Farsi/Arabic OpenType(^{textregistered}) fonts. <i>International Journal on Document Analysis and Recognition</i> , 2015 , 18, 249-262	3.8	2
140	Mixture of ICAs model for natural images solved by manifold optimization method 2015 ,		2
139	Developing Fracture Measure as an Index of Fracture Impact on Well-Logs. <i>Energy Exploration and Exploitation</i> , 2015 , 33, 555-574	2.1	9
138	A Computational Approach towards Visual Object Recognition at Taxonomic Levels of Concepts. <i>Computational Intelligence and Neuroscience</i> , 2015 , 2015, 905421	3	3
137	Improving the performance of intelligent stock trading systems by using a high level representation for the inputs 2015 ,		1
136	Generating flexible convex hyper-polygon validity regions via sigmoid-based membership functions in TS modeling. <i>Applied Soft Computing Journal</i> , 2015 , 28, 589-598	7.5	2
135	Bandit-based local feature subset selection. <i>Neurocomputing</i> , 2014 , 138, 371-382	5.4	7
134	Learning by abstraction: Hierarchical classification model using evidential theoretic approach and Bayesian ensemble model. <i>Neurocomputing</i> , 2014 , 130, 73-82	5.4	11

133	Context transfer in reinforcement learning using action-value functions. <i>Computational Intelligence and Neuroscience</i> , 2014 , 2014, 428567	3	5
132	Traffic Flow Prediction Using MI Algorithm and Considering Noisy and Data Loss Conditions: An Application to Minnesota Traffic Flow Prediction. <i>Promet - Traffic - Traffico</i> , 2014 , 26, 393-403	1.2	7
131	Variational Bayesian learning for Gaussian mixture HMM in seizure prediction based on long term EEG of epileptic rats 2014 ,		3
130	A fast and accurate contour-based method for writer-dependent offline handwritten Farsi/Arabic subwords recognition. <i>International Journal on Document Analysis and Recognition</i> , 2014 , 17, 181-203	3.8	3
129	Detection of Natural Gas Pipeline Defects using Magnetic Flux Leakage Measurements 2013 ,		11
128	Hierarchical concept learning based on functional similarity of actions 2013 ,		3
127	Information-based dissimilarity assessment in Dempster-Shafer theory. <i>Knowledge-Based Systems</i> , 2013 , 54, 114-127	7.3	23
126	Evolving Takagi-Sugeno fuzzy model based on switching to neighboring models. <i>Applied Soft Computing Journal</i> , 2013 , 13, 939-946	7.5	25
125	Online extraction of main linear trends for nonlinear time-varying processes. <i>Information Sciences</i> , 2013 , 220, 22-33	7.7	4
124	Conceptual Imitation Learning Based on Perceptual and Functional Characteristics of Action. <i>IEEE Transactions on Autonomous Mental Development</i> , 2013 , 5, 311-325		6
123	Defect detection and width estimation in natural gas pipelines using MFL signals 2013 ,		10
122	A neuro-fuzzy immune inspired classifier for task-oriented texts. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013 , 25, 673-683	1.6	
121	A probabilistic feature to determine type and extent of winding mechanical defects in power transformers. <i>Electric Power Systems Research</i> , 2012 , 82, 1-10	3.5	35
120	A new systematic design for Habitually Linear Evolving TS Fuzzy Model. <i>Expert Systems With Applications</i> , 2012 , 39, 1725-1736	7.8	14
119	Design, implementation and analysis of an alternation-based Central Pattern Generator for multidimensional trajectory generation. <i>Robotics and Autonomous Systems</i> , 2012 , 60, 182-198	3.5	11
118	METAL: A framework for mixture-of-experts task and attention learning. <i>Journal of Intelligent and Fuzzy Systems</i> , 2012 , 23, 111-128	1.6	5
117	Interactive Learning in Continuous Multimodal Space: A Bayesian Approach to Action-Based Soft Partitioning and Learning. <i>IEEE Transactions on Autonomous Mental Development</i> , 2012 , 4, 124-138		7
116	Face recognition with manifold-based kernel discriminant analysis 2012 ,		2

115	A Dynamic Bio-inspired Model of Categorization. <i>Lecture Notes in Computer Science</i> , 2012 , 160-167	0.9	1
114	Distributed maximum likelihood estimation for flow and speed density prediction in distributed traffic detectors with Gaussian mixture model assumption. <i>IET Intelligent Transport Systems</i> , 2012 , 6, 215	2.4	12
113	Computational model of excitatory/inhibitory ratio imbalance role in attention deficit disorders. <i>Journal of Computational Neuroscience</i> , 2012 , 33, 389-404	1.4	11
112	Differences in white matter reflect atypical developmental trajectory in autism: A Tract-based Spatial Statistics study. <i>NeuroImage: Clinical</i> , 2012 , 1, 48-56	5.3	44
111	Evidence theoretic protein fold classification based on the concept of hyperfold. <i>Mathematical Biosciences</i> , 2012 , 240, 148-60	3.9	15
110	Adaptive prediction of epileptic seizures from intracranial recordings. <i>Biomedical Signal Processing and Control</i> , 2012 , 7, 456-464	4.9	13
109	A Vector-based Approach to Discriminate Radial Deformation and Axial Displacement of Transformer Winding and Determine Defect Extent. <i>Electric Power Components and Systems</i> , 2012 , 40, 597-612	1	16
108	Embedding Relevance Vector Machine in Fuzzy Inference System for Energy Consumption Forecasting. <i>Lecture Notes in Computer Science</i> , 2012 , 202-209	0.9	
107	Introducing evolving TakagiSugeno method based on local least squares support vector machine models. <i>Evolving Systems</i> , 2012 , 3, 81-93	2.1	22
106	Fast evolving neuro-fuzzy model and its application in online classification and time series prediction. <i>Pattern Analysis and Applications</i> , 2012 , 15, 279-288	2.3	4
105	Conceptual Imitation Learning in a Human-Robot Interaction Paradigm. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2012 , 3, 1-25	8	4
104	A real-time velocity estimation using motion blur in air hockey 2012 ,		3
103	Short-term traffic flow forecasting by mutual information and artificial neural networks 2012 ,		9
102	Takagi-Sugeno control of the elevation channel of a twin-rotor system using closed-loop empirical data 2012 ,		7
101	Bandit-Based Structure Learning for Bayesian Network Classifiers. <i>Lecture Notes in Computer Science</i> , 2012 , 349-356	0.9	1
100	Learning Attentive Fusion of Multiple Bayesian Network Classifiers. <i>Lecture Notes in Computer Science</i> , 2012 , 133-140	0.9	
99	Short-Term Load Forecasting With a New Nonsymmetric Penalty Function. <i>IEEE Transactions on Power Systems</i> , 2011 , 26, 1817-1825	7	32
98	Recursive spectral analysis of natural time series based on eigenvector matrix perturbation for online applications. <i>IET Signal Processing</i> , 2011 , 5, 515	1.7	9

97	Learning active fusion of multiple experts' decisions: an attention-based approach. <i>Neural Computation</i> , 2011 , 23, 558-91	2.9	11
96	PiLiMoT: A Modified Combination of LoLiMoT and PLN Learning Algorithms for Local Linear Neurofuzzy Modeling. <i>Journal of Control Science and Engineering</i> , 2011 , 2011, 1-9	1.2	2
95	A novel detection and navigation approach based on OWA fusion method. <i>Sensor Review</i> , 2011 , 31, 328-340	3.4	6
94	Reducing the number of local linear models in neuro-fuzzy modeling: A split-and-merge clustering approach. <i>Applied Soft Computing Journal</i> , 2011 , 11, 5582-5589	7.5	14
93	Dynamical analysis of yeast protein interaction network during the sake brewing process. <i>Journal of Microbiology</i> , 2011 , 49, 965-73	3	1
92	Online Multi-step Ahead Prediction of Time-Varying Solar and Geomagnetic Activity Indices via Adaptive Neurofuzzy Modeling and Recursive Spectral Analysis. <i>Solar Physics</i> , 2011 , 272, 189-213	2.6	6
91	Cost-sensitive learning of top-down modulation for attentional control. <i>Machine Vision and Applications</i> , 2011 , 22, 61-76	2.8	35
90	Attention control with reinforcement learning for face recognition under partial occlusion. <i>Machine Vision and Applications</i> , 2011 , 22, 337-348	2.8	10
89	Real time estimation and tracking of human body Center of Mass using 2D video imaging 2011 ,		1
88	A protein fold classifier formed by fusing different modes of pseudo amino acid composition via PSSM. <i>Computational Biology and Chemistry</i> , 2011 , 35, 1-9	3.6	28
87	Information Theoretic Hierarchical Clustering. <i>Entropy</i> , 2011 , 13, 450-465	2.8	7
86	WLoLiMoT: A Wavelet and LoLiMoT Based Algorithm for Time Series Prediction 2011 , 345-355		2
85	Directed Random Subspace Method for Face Recognition 2010 ,		5
84	Recursive Gath-Geva clustering as a basis for evolving neuro-fuzzy modeling 2010 ,		5
83	Comments on "Controller Synthesis of Fuzzy-Dynamic Systems Based on Piecewise Lyapunov Functions. <i>IEEE Transactions on Fuzzy Systems</i> , 2010 , 18, 227-228	8.3	1
82	An effective feature extraction method for facial expression recognition using adaptive Gabor wavelet 2010 ,		1
81	Robust Iris Verification Based on Local and Global Variations. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010 , 2010,	1.9	3
80	An online predictor model as adaptive habitually linear and transiently nonlinear model. <i>Evolving Systems</i> , 2010 , 1, 29-41	2.1	29

79	Recursive Gaussian clustering as a basis for evolving neuro-fuzzy modeling. <i>Evolving Systems</i> , 2010 , 1, 59-71	2.1	51
78	Pattern identification for eccentricity fault diagnosis in permanent magnet synchronous motors using stator current monitoring. <i>IET Electric Power Applications</i> , 2010 , 4, 418	1.8	39
77	Interaction of Culture-Based Learning and Cooperative Co-Evolution and its Application to Automatic Behavior-Based System Design. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 23-57 ^{15.6}	15.6	21
76	Pigment Melanin: Pattern for Iris Recognition. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 792-804	5.2	71
75	Features analysis for identification of date and party hubs in protein interaction network of <i>Saccharomyces Cerevisiae</i> . <i>BMC Systems Biology</i> , 2010 , 4, 172	3.5	12
74	Uncertainty analysis of developed ANN and ANFIS models in prediction of carbon monoxide daily concentration. <i>Atmospheric Environment</i> , 2010 , 44, 476-482	5.3	108
73	Introducing adaptive neurofuzzy modeling with online learning method for prediction of time-varying solar and geomagnetic activity indices. <i>Expert Systems With Applications</i> , 2010 , 37, 8267-8277 ^{7.8}	7.8	16
72	Online learning of task-driven object-based visual attention control. <i>Image and Vision Computing</i> , 2010 , 28, 1130-1145	3.7	46
71	Improving reinforcement learning using temporal-difference network EUROCON2009 2009 ,		2
70	An imitation model based on Central Pattern Generator with application in robotic marionette behavior learning 2009 ,		2
69	Gait Recognition Using Wavelet Packet Silhouette Representation and Transductive Support Vector Machines 2009 ,		15
68	Learning sequential visual attention control through dynamic state space discretization 2009 ,		1
67	Concurrent learning of task and attention control in the decision space 2009 ,		3
66	Comparison of rotary cement kiln identified models 2009 ,		4
65	Fuzzy descriptor systems and spectral analysis for chaotic time series prediction. <i>Neural Computing and Applications</i> , 2009 , 18, 991-1004	4.8	3
64	Input Selection Based on Information Theory for Constructing Predictor Models of Solar and Geomagnetic Activity Indices. <i>Solar Physics</i> , 2009 , 258, 297-318	2.6	2
63	Optimal Local Basis: A Reinforcement Learning Approach for Face Recognition. <i>International Journal of Computer Vision</i> , 2009 , 81, 191-204	10.6	30
62	Abnormal condition detection in a cement rotary kiln with system identification methods. <i>Journal of Process Control</i> , 2009 , 19, 1538-1545	3.9	23

61	Online identification of a neuro-fuzzy model through indirect fuzzy clustering of data space 2009 ,		4
60	Speeding up top-down attention control learning by using full observation knowledge 2009 ,		1
59	Fast Hand gesture recognition based on saliency maps: An application to interactive robotic marionette playing 2009 ,		6
58	An Analysis of the Disturbance on TCP Network Congestion. <i>Advances in Intelligent and Soft Computing</i> , 2009 , 115-123		1
57	Comparing Learning Attention Control in Perceptual and Decision Space. <i>Lecture Notes in Computer Science</i> , 2009 , 242-256	0.9	3
56	Noisy Iris Verification: A Modified Version of Local Intensity Variation Method. <i>Lecture Notes in Computer Science</i> , 2009 , 1150-1159	0.9	6
55	A Neuro-Fuzzy Control for TCP Network Congestion. <i>Advances in Intelligent and Soft Computing</i> , 2009 , 93-101		2
54	INTELLIGENT MODELING AND CONTROL OF WASHING MACHINE USING LOCALLY LINEAR NEURO-FUZZY (LLNF) MODELING AND MODIFIED BRAIN EMOTIONAL LEARNING BASED INTELLIGENT CONTROLLER (BELBIC). <i>Asian Journal of Control</i> , 2008 , 8, 393-400	1.7	32
53	A LINEAR PROGRAMMING APPROACH FOR CALCULATION OF ALL STABILIZING PARAMETERS OF LEAD/LAG CONTROLLERS. <i>Asian Journal of Control</i> , 2008 , 8, 408-411	1.7	2
52	A model for determining the cyclic swell/shrink behavior of argillaceous rock. <i>Applied Clay Science</i> , 2008 , 42, 81-89	5.2	11
51	Implementation of Emotional Controller for Interior Permanent-Magnet Synchronous Motor Drive. <i>IEEE Transactions on Industry Applications</i> , 2008 , 44, 1466-1476	4.3	75
50	Introducing an incremental learning method for fuzzy descriptor models to identify nonlinear singular systems 2008 ,		2
49	Approximation of a map and its derivatives with an RBF Network using input-output clustering 2008 ,		1
48	Lipschitz Numbers: A Medium for Delay Estimation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 7468-7473		8
47	A Neuro-Fuzzy Controller for Rotary Cement Kilns. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 13259-13264		3
46	Using Neurofuzzy Models and Spectral Analysis for Prediction of the Exotic Phenomena with Catastrophic Jumps. <i>Lecture Notes in Computer Science</i> , 2008 , 1156-1170	0.9	
45	A Clustering Method Based on Soft Learning of Model (Prototype) and Dissimilarity Metrics. <i>Communications in Computer and Information Science</i> , 2008 , 33-40	0.3	
44	Ant Colony Optimization with a Genetic Restart Approach toward Global Optimization. <i>Communications in Computer and Information Science</i> , 2008 , 9-16	0.3	1

43	A hybrid model for face recognition using facial components 2007 ,		2
42	A supervisory fuzzy control of back-end temperature of rotary cement kilns 2007 ,		13
41	A New Split and Merge Algorithm for Structure Identification in Takagi-Sugeno Fuzzy Model 2007 ,		4
40	Forecasting sunspot numbers with the aid of fuzzy descriptor models. <i>Space Weather</i> , 2007 , 5, n/a-n/a	3.7	10
39	Brain emotional learning based intelligent controller applied to neurofuzzy model of micro-heat exchanger. <i>Expert Systems With Applications</i> , 2007 , 32, 911-918	7.8	77
38	Knowledge-Based Multiagent Credit Assignment: A Study on Task Type and Critic Information. <i>IEEE Systems Journal</i> , 2007 , 1, 55-67	4.3	12
37	Extracting the main patterns of natural time series for long-term neurofuzzy prediction. <i>Neural Computing and Applications</i> , 2007 , 16, 383-393	4.8	28
36	A BIOLOGICALLY INSPIRED METHOD FOR CONCEPTUAL IMITATION USING REINFORCEMENT LEARNING. <i>Applied Artificial Intelligence</i> , 2007 , 21, 155-183	2.3	13
35	A Hierarchical Face Identification System Based on Facial Components 2007 ,		5
34	Closed-loop global fuzzy TSK modeling: A case study 2007 ,		2
33	DATA-BASED MODELLING OF NONLINEAR SYSTEMS USING A MODIFIED LOLIMOT ALGORITHM. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 25-30		
32	A study on expertise of agents and its effects on cooperative Q-learning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 398-409		17
31	Kalman filter tracking for facial expression recognition using noticeable feature selection 2007 ,		8
30	A Bayesian approach to conceptualization using reinforcement learning 2007 ,		3
29	GPS/INS integration using nonlinear blending filters 2007 ,		4
28	A Modified LOLIMOT Algorithm for Nonlinear Estimation Fusion 2007 ,		1
27	Mutual Information Based Input Selection in Neuro-Fuzzy Modeling for Short Term Load Forecasting of Iran National Power System 2007 ,		10
26	Facial Expression Recognition using Conspicuous Features Selection and Comparison of the Performance of Different Classifiers 2007 ,		1

25	Combination of Singular Spectrum Analysis and Autoregressive Model for Short Term Load Forecasting 2007 ,		13
24	Neural, Fuzzy And Neurofuzzy Approach To Classification Of Normal And Alcoholic Electroencephalograms. <i>Proc Int Symp Image Signal Process Anal</i> , 2007 ,		10
23	Shape Analysis of Stroma for Iris Recognition. <i>Lecture Notes in Computer Science</i> , 2007 , 790-799	0.9	19
22	Swarm contours: A fast self-organization approach for snake initialization. <i>Complexity</i> , 2006 , 12, 41-52	1.6	7
21	NEUROFUZZY MODELING OF NATURAL FREQUENCIES OF CYLINDRICAL SHELLS APPLIED TO EVOLUTIONARY BASED OPTIMAL DESIGN OF SR MOTORS. <i>International Journal of Computational Methods</i> , 2006 , 03, 263-277	1.1	2
20	An Experimental Nonlinear System Identification Based on Local Linear Neuro-Fuzzy Models 2006 ,		1
19	Knowledge-based Extraction of Area of Expertise for Cooperation in Learning 2006 ,		8
18	Auto-tune Predictive Control of Switched Reluctance Motor 2006 ,		2
17	A Learning Algorithm for Local Linear Neuro-fuzzy Models with Self-construction through Merge & Split 2006 ,		3
16	Locally linear neurofuzzy modeling and prediction of geomagnetic disturbances based on solar wind conditions. <i>Space Weather</i> , 2006 , 4, n/a-n/a	3.7	15
15	Multi-step prediction of Dst index using singular spectrum analysis and locally linear neurofuzzy modeling. <i>Earth, Planets and Space</i> , 2006 , 58, 331-341	2.9	21
14	Particle Swarm Extension to LOLIMOT 2006 ,		4
13	Iris Recognition for Partially Occluded Images: Methodology and Sensitivity Analysis. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006 , 2007, 1	1.9	48
12	Introducing a new learning method for fuzzy descriptor systems with the aid of spectral analysis to forecast solar activity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006 , 68, 2061-2074	2	29
11	Predicting Chaotic Time Series Using Neural and Neurofuzzy Models: A Comparative Study. <i>Neural Processing Letters</i> , 2006 , 24, 217-239	2.4	108
10	Solar activity forecast: Spectral analysis and neurofuzzy prediction. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005 , 67, 595-603	2	48
9	The Schur stability via the Hurwitz stability analysis using a biquadratic transformation. <i>Automatica</i> , 2005 , 41, 173-176	5.7	6
8	Optimal design of a flexible transferring system in press automation using fuzzy clustering. <i>Assembly Automation</i> , 2005 , 25, 53-58	2.1	1

7	Hierarchical Image Segmentation Using Ant Colony and Chemical Computing Approach. <i>Lecture Notes in Computer Science</i> , 2005 , 1250-1258	0.9	2
6	Black box modeling of magnetospheric dynamics to forecast geomagnetic activity. <i>Space Weather</i> , 2004 , 2, n/a-n/a	3-7	9
5	Using Plausible Reasoning for Developing Intelligent Systems 2004 , 203-212		
4	Hough Array Processing via Fast Multi-Scale Clustering. <i>Real Time Imaging</i> , 2000 , 6, 129-141		3
3	A string matching computer-assisted system for dolphin photoidentification. <i>Annals of Biomedical Engineering</i> , 2000 , 28, 1269-79	4-7	3 ²
2	Assisting manual dolphin identification by computer extraction of dorsal ratio. <i>Annals of Biomedical Engineering</i> , 1999 , 27, 830-8	4-7	13
1	Generalization of the Dempster-Shafer theory: a fuzzy-valued measure. <i>IEEE Transactions on Fuzzy Systems</i> , 1999 , 7, 255-270	8.3	46