

# Nikola Kasabov

## List of Publications by Citations

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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.

348  
papers

5,671  
citations

37  
h-index

64  
g-index

377  
ext. papers

6,816  
ext. citations

3.3  
avg, IF

6.53  
L-index

#	Paper	IF	Citations
348	Evolving fuzzy neural networks for supervised/unsupervised online knowledge-based learning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2001</b> , 31, 902-18		320
347	HyFIS: adaptive neuro-fuzzy inference systems and their application to nonlinear dynamical systems. <i>Neural Networks</i> , <b>1999</b> , 12, 1301-1319	9.1	244
346	Dynamic evolving spiking neural networks for on-line spatio- and spectro-temporal pattern recognition. <i>Neural Networks</i> , <b>2013</b> , 41, 188-201	9.1	227
345	NeuCube: a spiking neural network architecture for mapping, learning and understanding of spatio-temporal brain data. <i>Neural Networks</i> , <b>2014</b> , 52, 62-76	9.1	226
344	Incremental linear discriminant analysis for classification of data streams. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2005</b> , 35, 905-14		225
343	Span: spike pattern association neuron for learning spatio-temporal spike patterns. <i>International Journal of Neural Systems</i> , <b>2012</b> , 22, 1250012	6.2	160
342	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2009</b> , 13, 1218-1232	15.6	114
341	Multiple gene expression classifiers from different array platforms predict poor prognosis of colorectal cancer. <i>Clinical Cancer Research</i> , <b>2007</b> , 13, 498-507	12.9	108
340	To spike or not to spike: a probabilistic spiking neuron model. <i>Neural Networks</i> , <b>2010</b> , 23, 16-9	9.1	100
339	Evolving spiking neural networks for personalised modelling, classification and prediction of spatio-temporal patterns with a case study on stroke. <i>Neurocomputing</i> , <b>2014</b> , 134, 269-279	5.4	93
338	Evolving spiking neural network survey. <i>Evolving Systems</i> , <b>2013</b> , 4, 87-98	2.1	93
337	Evolving spiking neural networks for audiovisual information processing. <i>Neural Networks</i> , <b>2010</b> , 23, 819-35	9.1	91
336	Incremental learning of chunk data for online pattern classification systems. <i>IEEE Transactions on Neural Networks</i> , <b>2008</b> , 19, 1061-74		88
335	Incremental learning of feature space and classifier for face recognition. <i>Neural Networks</i> , <b>2005</b> , 18, 575-84	9.1	87
334	Evolving spatio-temporal data machines based on the NeuCube neuromorphic framework: Design methodology and selected applications. <i>Neural Networks</i> , <b>2016</b> , 78, 1-14	9.1	86
333	Fast and adaptive network of spiking neurons for multi-view visual pattern recognition. <i>Neurocomputing</i> , <b>2008</b> , 71, 2563-2575	5.4	76
332	On-line pattern analysis by evolving self-organizing maps. <i>Neurocomputing</i> , <b>2003</b> , 51, 87-103	5.4	72

331	Spiking neural network methodology for modelling, classification and understanding of EEG spatio-temporal data measuring cognitive processes. <i>Information Sciences</i> , <b>2015</b> , 294, 565-575	7.7	68
330	Integrated feature and parameter optimization for an evolving spiking neural network: exploring heterogeneous probabilistic models. <i>Neural Networks</i> , <b>2009</b> , 22, 623-32	9.1	62
329	Spiking Neural Networks and online learning: An overview and perspectives. <i>Neural Networks</i> , <b>2020</b> , 121, 88-100	9.1	59
328	Training spiking neural networks to associate spatio-temporal input/output spike patterns. <i>Neurocomputing</i> , <b>2013</b> , 107, 3-10	5.4	58
327	Knowledge extraction from evolving spiking neural networks with rank order population coding. <i>International Journal of Neural Systems</i> , <b>2010</b> , 20, 437-45	6.2	58
326	Global, local and personalised modeling and pattern discovery in bioinformatics: An integrated approach. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 673-685	4.7	58
325	New strategy to reduce the global burden of stroke. <i>Stroke</i> , <b>2015</b> , 46, 1740-7	6.7	57
324	Linear and non-linear pattern recognition models for classification of fruit from visible/infrared spectra. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2000</b> , 51, 201-216	3.8	50
323	TWNFI—a transductive neuro-fuzzy inference system with weighted data normalization for personalized modeling. <i>Neural Networks</i> , <b>2006</b> , 19, 1591-6	9.1	48
322	Evolving connectionist systems for knowledge discovery from gene expression data of cancer tissue. <i>Artificial Intelligence in Medicine</i> , <b>2003</b> , 28, 165-89	7.4	48
321	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2016</b> , 54, 6563-6573	8.1	45
320	Mapping Temporal Variables Into the NeuCube for Improved Pattern Recognition, Predictive Modeling, and Understanding of Stream Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1305-1317	10.3	40
319	On the probabilistic optimization of spiking neural networks. <i>International Journal of Neural Systems</i> , <b>2010</b> , 20, 481-500	6.2	40
318	Online spatio-temporal pattern recognition with evolving spiking neural networks utilising address event representation, rank order, and temporal spike learning <b>2012</b> ,		39
317	Mapping, Learning, Visualization, Classification, and Understanding of fMRI Data in the NeuCube Evolving Spatiotemporal Data Machine of Spiking Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 887-899	10.3	38
316	Estimating risk of events using SOM models: A case study on invasive species establishment. <i>Ecological Modelling</i> , <b>2006</b> , 197, 361-372	3	38
315	A Spiking Neural Network Methodology and System for Learning and Comparative Analysis of EEG Data From Healthy Versus Addiction Treated Versus Addiction Not Treated Subjects. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 1830-1841	5	37
314	Evolving Spiking Neural Networks for online learning over drifting data streams. <i>Neural Networks</i> , <b>2018</b> , 108, 1-19	9.1	37

313	An altered pattern of circulating apolipoprotein E3 isoforms is implicated in preeclampsia. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 71-80	6.3	37
312	Time-Space, Spiking Neural Networks and Brain-Inspired Artificial Intelligence. <i>Springer Series on Bio- and Neurosystems</i> , <b>2019</b> ,	0.5	37
311	On-line learning, reasoning, rule extraction and aggregation in locally optimized evolving fuzzy neural networks. <i>Neurocomputing</i> , <b>2001</b> , 41, 25-45	5.4	36
310	Adaptive long-term traffic state estimation with evolving spiking neural networks. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2019</b> , 101, 126-144	8.4	35
309	Short-term ANN load forecasting from limited data using generalization learning strategies. <i>Neurocomputing</i> , <b>2006</b> , 70, 409-419	5.4	35
308	A novel graph-based k-means for nonlinear manifold clustering and representative selection. <i>Neurocomputing</i> , <b>2014</b> , 143, 109-122	5.4	34
307	Computational Neurogenetics. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2004</b> , 1, 47-61	0.3	34
306	Classification consistency analysis for bootstrapping gene selection. <i>Neural Computing and Applications</i> , <b>2007</b> , 16, 527-539	4.8	31
305	NeuCube EvoSpike Architecture for Spatio-temporal Modelling and Pattern Recognition of Brain Signals. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 225-243	0.9	30
304	A novel multi-focus image fusion method using PCNN in nonsubsamped contourlet transform domain. <i>Optik</i> , <b>2015</b> , 126, 2508-2511	2.5	29
303	Personalized mode transductive spanning SVM classification tree. <i>Information Sciences</i> , <b>2011</b> , 181, 2071-2085	2.9	29
302	Evolving Intelligent Systems: Methods, Learning, & Applications <b>2006</b> ,		27
301	Probabilistic Computational Neurogenetic Modeling: From Cognitive Systems to Alzheimer's Disease. <i>IEEE Transactions on Autonomous Mental Development</i> , <b>2011</b> , 3, 300-311		26
300	Adaptation and interaction in dynamical systems: Modelling and rule discovery through evolving connectionist systems. <i>Applied Soft Computing Journal</i> , <b>2006</b> , 6, 307-322	7.5	26
299	A graph-based semi-supervised k nearest-neighbor method for nonlinear manifold distributed data classification. <i>Information Sciences</i> , <b>2016</b> , 367-368, 673-688	7.7	25
298	. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2017</b> , 9, 293-303	3	24
297	Analysis of connectivity in NeuCube spiking neural network models trained on EEG data for the understanding of functional changes in the brain: A case study on opiate dependence treatment. <i>Neural Networks</i> , <b>2015</b> , 68, 62-77	9.1	24
296	Integrative connectionist learning systems inspired by nature: current models, future trends and challenges. <i>Natural Computing</i> , <b>2009</b> , 8, 199-218	1.3	24

295	EEG Classification with BSA Spike Encoding Algorithm and Evolving Probabilistic Spiking Neural Network. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 451-460	0.9	24
294	Selection and Optimization of Temporal Spike Encoding Methods for Spiking Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 358-370	10.3	24
293	Air pollution prediction with clustering-based ensemble of evolving spiking neural networks and a case study for London area. <i>Environmental Modelling and Software</i> , <b>2019</b> , 118, 262-280	5.2	23
292	Modelling Peri-Perceptual Brain Processes in a Deep Learning Spiking Neural Network Architecture. <i>Scientific Reports</i> , <b>2018</b> , 8, 8912	4.9	23
291	Incremental linear discriminant analysis for evolving feature spaces in multitask pattern recognition problems. <i>Evolving Systems</i> , <b>2010</b> , 1, 17-27	2.1	23
290	Guest Editorial Evolving Fuzzy Systems—Preface to the Special Section. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2008</b> , 16, 1390-1392	8.3	23
289	Deep learning and deep knowledge representation in Spiking Neural Networks for Brain-Computer Interfaces. <i>Neural Networks</i> , <b>2020</b> , 121, 169-185	9.1	23
288	Spike-time encoding as a data compression technique for pattern recognition of temporal data. <i>Information Sciences</i> , <b>2017</b> , 406-407, 133-145	7.7	22
287	. <i>IEEE Access</i> , <b>2019</b> , 7, 43970-43978	3.5	22
286	Anytime multipurpose emotion recognition from EEG data using a Liquid State Machine based framework. <i>Artificial Intelligence in Medicine</i> , <b>2018</b> , 86, 1-8	7.4	22
285	NeuCube(ST) for spatio-temporal data predictive modelling with a case study on ecological data <b>2014</b> ,		22
284	A versatile quantum-inspired evolutionary algorithm <b>2007</b> ,		22
283	Adaptable neuro production systems. <i>Neurocomputing</i> , <b>1996</b> , 13, 95-117	5.4	22
282	Spiking Neural Network Modelling Approach Reveals How Mindfulness Training Rewires the Brain. <i>Scientific Reports</i> , <b>2019</b> , 9, 6367	4.9	21
281	Attentional Bias Pattern Recognition in Spiking Neural Networks from Spatio-Temporal EEG Data. <i>Cognitive Computation</i> , <b>2018</b> , 10, 35-48	4.4	21
280	An efficient greedy K-means algorithm for global gene trajectory clustering. <i>Expert Systems With Applications</i> , <b>2006</b> , 30, 137-141	7.8	21
279	A Dynamic DNA Color Image Encryption Method Based on SHA-512. <i>Entropy</i> , <b>2020</b> , 22,	2.8	21
278	Computational neurogenetic modelling: a pathway to new discoveries in genetic neuroscience. <i>International Journal of Neural Systems</i> , <b>2006</b> , 16, 215-26	6.2	20

277	Integrated Feature and Parameter Optimization for an Evolving Spiking Neural Network. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 1229-1236	0.9	20
276	Evolving connectionist systems for adaptive learning and knowledge discovery: Trends and directions. <i>Knowledge-Based Systems</i> , <b>2015</b> , 80, 24-33	7.3	19
275	Geomagnetic storms can trigger stroke: evidence from 6 large population-based studies in Europe and Australasia. <i>Stroke</i> , <b>2014</b> , 45, 1639-45	6.7	19
274	A holistic comparative analysis of diagnostic tests for urothelial carcinoma: a study of Cxbladder Detect, UroVysion FISH, NMP22 and cytology based on imputation of multiple datasets. <i>BMC Medical Research Methodology</i> , <b>2015</b> , 15, 45	4.7	19
273	A Connectionist Production System with Partial Match and its Use for Approximate Reasoning. <i>Connection Science</i> , <b>1993</b> , 5, 275-305	2.8	19
272	NeuroSense: Short-term emotion recognition and understanding based on spiking neural network modelling of spatio-temporal EEG patterns. <i>Neurocomputing</i> , <b>2021</b> , 434, 137-148	5.4	19
271	Bayesian learning of sparse gene regulatory networks. <i>BioSystems</i> , <b>2007</b> , 87, 299-306	1.9	18
270	Integrating Space, Time, and Orientation in Spiking Neural Networks: A Case Study on Multimodal Brain Data Modeling. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 5249-5263	10.3	17
269	A medical image enhancement method using adaptive thresholding in NSCT domain combined unsharp masking. <i>International Journal of Imaging Systems and Technology</i> , <b>2015</b> , 25, 199-205	2.5	17
268	Integrated optimisation method for personalised modelling and case studies for medical decision support. <i>International Journal of Functional Informatics and Personalised Medicine</i> , <b>2010</b> , 3, 236		17
267	Modeling brain dynamics using computational neurogenetic approach. <i>Cognitive Neurodynamics</i> , <b>2008</b> , 2, 319-34	4.2	17
266	. <i>IEEE Computational Intelligence Magazine</i> , <b>2008</b> , 3, 23-37	5.6	16
265	A two-stage methodology for gene regulatory network extraction from time-course gene expression data. <i>Expert Systems With Applications</i> , <b>2006</b> , 30, 59-63	7.8	16
264	Remote sensing image enhancement based on the combination of nonsubsampling shearlet transform and guided filtering. <i>Optical Engineering</i> , <b>2016</b> , 55, 103104	1.1	15
263	A Retinotopic Spiking Neural Network System for Accurate Recognition of Moving Objects Using NeuCube and Dynamic Vision Sensors. <i>Frontiers in Computational Neuroscience</i> , <b>2018</b> , 12, 42	3.5	15
262	Identifying overlapping mutated driver pathways by constructing gene networks in cancer. <i>BMC Bioinformatics</i> , <b>2015</b> , 16 Suppl 5, S3	3.6	15
261	A remote sensing image enhancement method using mean filter and unsharp masking in non-subsampling contourlet transform domain. <i>Transactions of the Institute of Measurement and Control</i> , <b>2017</b> , 39, 183-193	1.8	14
260	Evolving Spiking Neural Networks and Neurogenetic Systems for Spatio- and Spectro-Temporal Data Modelling and Pattern Recognition. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 234-260	0.9	14

259	Encoding and decoding the knowledge of association rules over SVM classification trees. <i>Knowledge and Information Systems</i> , <b>2009</b> , 19, 79-105	2.4	14
258	Prediction of preeclampsia and delivery of small for gestational age babies based on a combination of clinical risk factors in high-risk women. <i>Hypertension in Pregnancy</i> , <b>2011</b> , 30, 58-73	2	14
257	Integrated Feature Selection and Parameter Optimization for Evolving Spiking Neural Networks Using Quantum Inspired Particle Swarm Optimization <b>2009</b> ,		14
256	Transductive support vector machines and applications in bioinformatics for promoter recognition <b>2003</b> ,		14
255	Biologically Plausible Computational Neurogenetic Models: Modeling the Interaction Between Genes, Neurons and Neural Networks. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2005</b> , 2, 569-573	0.3	14
254	Medical image enhancement algorithm based on NSCT and the improved fuzzy contrast. <i>International Journal of Imaging Systems and Technology</i> , <b>2015</b> , 25, 7-14	2.5	13
253	LDA merging and splitting with applications to multiagent cooperative learning and system alteration. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2012</b> , 42, 552-64		13
252	A Practical GrabCut Color Image Segmentation Based on Bayes Classification and Simple Linear Iterative Clustering. <i>IEEE Access</i> , <b>2017</b> , 5, 18480-18487	3.5	13
251	Method for Training a Spiking Neuron to Associate Input-Output Spike Trains. <i>International Federation for Information Processing</i> , <b>2011</b> , 219-228		13
250	Soft computing methods to predict gene regulatory networks: An integrative approach on time-series gene expression data. <i>Applied Soft Computing Journal</i> , <b>2008</b> , 8, 1189-1199	7.5	13
249	Fast neural network ensemble learning via negative-correlation data correction. <i>IEEE Transactions on Neural Networks</i> , <b>2005</b> , 16, 1707-10		13
248	Reduced feature-set based parallel CHMM speech recognition systems. <i>Information Sciences</i> , <b>2003</b> , 156, 21-38	7.7	13
247	A Preliminary Study on Negative Correlation Learning via Correlation-Corrected Data (NCCD). <i>Neural Processing Letters</i> , <b>2005</b> , 21, 207-214	2.4	13
246	Classification and regression of spatio-temporal signals using NeuCube and its realization on SpiNNaker neuromorphic hardware. <i>Journal of Neural Engineering</i> , <b>2019</b> , 16, 026014	5	13
245	A spiking neural network model for obstacle avoidance in simulated prosthetic vision. <i>Information Sciences</i> , <b>2017</b> , 399, 30-42	7.7	12
244	<b>2014</b> ,		12
243	Modeling L-LTP based on changes in concentration of pCREB transcription factor. <i>Neurocomputing</i> , <b>2007</b> , 70, 2035-2040	5.4	12
242	String Pattern Recognition Using Evolving Spiking Neural Networks and Quantum Inspired Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 611-619	0.9	12

241	Speckle Reduction of Reconstructions of Digital Holograms Using Gamma-Correction and Filtering. <i>IEEE Access</i> , <b>2018</b> , 6, 5227-5235	3.5	11
240	Evolving, dynamic clustering of spatio/spectro-temporal data in 3D spiking neural network models and a case study on EEG data. <i>Evolving Systems</i> , <b>2018</b> , 9, 195-211	2.1	11
239	Method of Improved Fuzzy Contrast Combined Adaptive Threshold in NSCT for Medical Image Enhancement. <i>BioMed Research International</i> , <b>2017</b> , 2017, 3969152	3	11
238	Remote Sensing Image Change Detection Based on NSCT-HMT Model and Its Application. <i>Sensors</i> , <b>2017</b> , 17,	3.8	11
237	Simple evolving connectionist systems and experiments on isolated phoneme recognition		11
236	Towards Spatio-Temporal Pattern Recognition Using Evolving Spiking Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 163-170	0.9	11
235	Constructing Robust Liquid State Machines to Process Highly Variable Data Streams. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 604-611	0.9	11
234	NeuCube Neuromorphic Framework for Spatio-temporal Brain Data and Its Python Implementation. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 78-84	0.9	11
233	Change detection in SAR images based on the logarithmic transformation and total variation denoising method. <i>Remote Sensing Letters</i> , <b>2017</b> , 8, 214-223	2.3	10
232	Chapter 21 Evolving ontologies for intelligent decision support. <i>Capturing Intelligence</i> , <b>2006</b> , 1, 415-439		10
231	An intelligent controller for automated operation of sequencing batch reactors. <i>Water Science and Technology</i> , <b>2003</b> , 47, 57-63	2.2	10
230	Framework for Knowledge Driven Optimisation Based Data Encoding for Brain Data Modelling Using Spiking Neural Network Architecture. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 109-118	0.4	10
229	Interpretability of Spatiotemporal Dynamics of the Brain Processes Followed by Mindfulness Intervention in a Brain-Inspired Spiking Neural Network Architecture. <i>Sensors</i> , <b>2020</b> , 20,	3.8	10
228	Longitudinal study of alzheimer's disease degeneration through EEG data analysis with a NeuCube spiking neural network model <b>2016</b> ,		9
227	Adaptive speech recognition with evolving connectionist systems. <i>Information Sciences</i> , <b>2003</b> , 156, 71-83	7.7	9
226	An integrated feature selection and classification method to select minimum number of variables on the case study of gene expression data. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2005</b> , 3, 1107-36	1	9
225	NeuCubeRehab: A Pilot Study for EEG Classification in Rehabilitation Practice Based on Spiking Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 70-77	0.9	9
224	Implementation of active training for an upper-limb rehabilitation robot based on impedance control <b>2015</b> ,		8



223	SEMG-based torque estimation for robot-assisted lower limb rehabilitation <b>2015,</b>		8
222	Are probabilistic spiking neural networks suitable for reservoir computing? <b>2011,</b>		8
221	Quantum-inspired feature and parameter optimisation of evolving spiking neural networks with a case study from ecological modeling <b>2009,</b>		8
220	Simulation of ECB decisions and forecast of short term Euro rate with an adaptive fuzzy expert system. <i>European Journal of Operational Research</i> , <b>2003</b> , 145, 363-381	5.6	8
219	AVIS: a connectionist-based framework for integrated auditory and visual information processing. <i>Information Sciences</i> , <b>2000</b> , 123, 127-148	7.7	8
218	Abnormal Activity Detection Using Spatio-Temporal Feature and Laplacian Sparse Representation. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 410-418	0.9	8
217	SPAN: A Neuron for Precise-Time Spike Pattern Association. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 718-725	0.9	8
216	Brain-inspired spiking neural networks for decoding and understanding muscle activity and kinematics from electroencephalography signals during hand movements. <i>Scientific Reports</i> , <b>2021</b> , 11, 2486	4.9	8
215	. <i>IEEE Access</i> , <b>2019</b> , 7, 152612-152623	3.5	7
214	. <i>IEEE Access</i> , <b>2019</b> , 7, 27948-27956	3.5	7
213	Feasibility of NeuCube spiking neural network architecture for EMG pattern recognition <b>2015,</b>		7
212	Evolving personalized modeling system for integrated feature, neighborhood and parameter optimization utilizing gravitational search algorithm. <i>Evolving Systems</i> , <b>2015</b> , 6, 1-14	2.1	7
211	An improved collaborative representation based classification with regularized least square (CRCRLS) method for robust face recognition. <i>Neurocomputing</i> , <b>2016</b> , 215, 250-259	5.4	7
210	Evolving integrated multi-model framework for on line multiple time series prediction. <i>Evolving Systems</i> , <b>2013</b> , 4, 99-117	2.1	7
209	Posterior Distribution Learning (PDL): A novel supervised learning framework using unlabeled samples to improve classification performance. <i>Neurocomputing</i> , <b>2015</b> , 157, 173-186	5.4	7
208	An extended Evolving Spiking Neural Network model for spatio-temporal pattern classification <b>2011,</b>		7
207	Incremental learning for online face recognition		7
206	Adaptive Spiking Neural Networks for Audiovisual Pattern Recognition. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 406-415	0.9	7

205	Ontology-Based Framework for Personalized Diagnosis and Prognosis of Cancer Based on Gene Expression Data. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 846-855	0.9	7
204	A Novel Evolving Clustering Algorithm with Polynomial Regression for Chaotic Time-Series Prediction. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 114-121	0.9	7
203	A Fast Sand-Dust Image Enhancement Algorithm by Blue Channel Compensation and Guided Image Filtering. <i>IEEE Access</i> , <b>2020</b> , 8, 196690-196699	3.5	7
202	Change Detection in SAR Images Based on the ROF Model Semi-Implicit Denoising Method. <i>Sensors</i> , <b>2019</b> , 19,	3.8	6
201	Application of a Brain-Inspired Spiking Neural Network Architecture to Odor Data Classification. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
200	Blue Channel and Fusion for Sandstorm Image Enhancement. <i>IEEE Access</i> , <b>2020</b> , 8, 66931-66940	3.5	6
199	Image Processing of Porous Silicon Microarray in Refractive Index Change Detection. <i>Sensors</i> , <b>2017</b> , 17,	3.8	6
198	Network-Based Method for Inferring Cancer Progression at the Pathway Level from Cross-Sectional Mutation Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2016</b> , 13, 1036-1044 <sup>3</sup>		6
197	Personalised modelling with spiking neural networks integrating temporal and static information. <i>Neural Networks</i> , <b>2019</b> , 119, 162-177	9.1	6
196	Medical Image Enhancement Based on Shearlet Transform and Unsharp Masking. <i>Journal of Medical Imaging and Health Informatics</i> , <b>2014</b> , 4, 814-818	1.2	6
195	EEG Signal Processing for Brain-Computer Interfaces <b>2014</b> , 797-812		6
194	Evolving spiking neural networks for spatio-and spectro-temporal pattern recognition <b>2012</b> ,		6
193	Ontology Based Personalized Modeling for Type 2 Diabetes Risk Analysis: An Integrated Approach. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 360-366	0.9	6
192	Integrating evolving brain-gene ontology and connectionist-based system for modeling and knowledge discovery. <i>Neural Networks</i> , <b>2008</b> , 21, 266-75	9.1	6
191	A hybrid genetic algorithm and expectation maximization method for global gene trajectory clustering. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2005</b> , 3, 1227-42	1	6
190	Hybrid Connectionist Fuzzy Production System: Towards Building Comprehensive AI. <i>Intelligent Automation and Soft Computing</i> , <b>1995</b> , 1, 355-364	2.6	6
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