Rohitash Chandra

List of Publications by Year
in descending order

96 papers	1,789 citations	304368 22 h-index	315357 38 g-index
97 all docs	97 docs citations	97 times ranked	1062 citing authors

#	Article	IF	Citations
1	Cooperative coevolution of Elman recurrent neural networks for chaotic time series prediction. Neurocomputing, 2012, 86, 116-123.	3.5	207
2	Competition and Collaboration in Cooperative Coevolution of Elman Recurrent Neural Networks for Time-Series Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3123-3136.	7.2	132
3	A review of machine learning in processing remote sensing data for mineral exploration. Remote Sensing of Environment, 2022, 268, 112750.	4.6	101
4	Deep learning via LSTM models for COVID-19 infection forecasting in India. PLoS ONE, 2022, 17, e0262708.	1.1	88
5	Evaluation of Deep Learning Models for Multi-Step Ahead Time Series Prediction. IEEE Access, 2021, 9, 83105-83123.	2.6	83
6	COVID-19 sentiment analysis via deep learning during the rise of novel cases. PLoS ONE, 2021, 16, e0255615.	1.1	74
7	Co-evolutionary multi-task learning with predictive recurrence for multi-step chaotic time series prediction. Neurocomputing, 2017, 243, 21-34.	3.5	68
8	Integration of Selective Dimensionality Reduction Techniques for Mineral Exploration Using ASTER Satellite Data. Remote Sensing, 2020, 12, 1261.	1.8	45
9	Co-evolutionary multi-task learning for dynamic time series prediction. Applied Soft Computing Journal, 2018, 70, 576-589.	4.1	43
10	Evaluation of co-evolutionary neural network architectures for time series prediction with mobile application in finance. Applied Soft Computing Journal, 2016, 49, 462-473.	4.1	42
11	On the issue of separability for problem decomposition in cooperative neuro-evolution. Neurocomputing, 2012, 87, 33-40.	3.5	41
12	Evolutionary Multi-task Learning for Modular Knowledge Representation in Neural Networks. Neural Processing Letters, 2018, 47, 993-1009.	2.0	35
13	Computer vision-based framework for extracting tectonic lineaments from optical remote sensing data. International Journal of Remote Sensing, 2020, 41, 1760-1787.	1.3	32
14	SMOTified-GAN for Class Imbalanced Pattern Classification Problems. IEEE Access, 2022, 10, 30655-30665.	2.6	32
15	Encoding subcomponents in cooperative co-evolutionary recurrent neural networks. Neurocomputing, 2011, 74, 3223-3234.	3.5	31
16	Langevin-gradient parallel tempering for Bayesian neural learning. Neurocomputing, 2019, 359, 315-326.	3.5	31
17	Deep learning for predicting respiratory rate from biosignals. Computers in Biology and Medicine, 2022, 144, 105338.	3.9	29
18	Efficiency and robustness in Monte Carlo sampling for 3-D geophysical inversions with Obsidian v0.1.2: setting up for success. Geoscientific Model Development, 2019, 12, 2941-2960.	1.3	28

#	Article	IF	Citations
19	A Comparative Study of Convolutional Neural Networks and Conventional Machine Learning Models for Lithological Mapping Using Remote Sensing Data. Remote Sensing, 2022, 14, 819.	1.8	28
20	Bayesian geological and geophysical data fusion for the construction and uncertainty quantification of 3D geological models. Geoscience Frontiers, 2021, 12, 479-493.	4.3	27
21	Evolutionary Multi-task Learning for Modular Training of Feedforward Neural Networks. Lecture Notes in Computer Science, 2016, , 37-46.	1.0	26
22	Crossover-based local search in cooperative co-evolutionary feedforward neural networks. Applied Soft Computing Journal, 2012, 12, 2924-2932.	4.1	24
23	Bayesian neural networks for stock price forecasting before and during COVID-19 pandemic. PLoS ONE, 2021, 16, e0253217.	1.1	22
24	Competitive two-island cooperative coevolution for training Elman recurrent networks for time series prediction. , 2014, , .		20
25	The forward kinematics of the 6-6 parallel manipulator using an evolutionary algorithm based on generalized generation gap with parent-centric crossover. Robotica, 2016, 34, 1-22.	1.3	19
26	Bayesian neural multi-source transfer learning. Neurocomputing, 2020, 378, 54-64.	3.5	19
27	Forward kinematics of the 6-6 general parallel manipulator using Real Coded Genetic Algorithms. , 2009, , .		18
28	Face detection and recognition in an unconstrained environment for mobile visual assistive system. Applied Soft Computing Journal, 2017, 53, 168-180.	4.1	18
29	On solving the forward kinematics of 3RPR planar parallel manipulator using hybrid metaheuristics. Applied Mathematics and Computation, 2011, 217, 8997-9008.	1.4	17
30	Bayeslands: A Bayesian inference approach for parameter uncertainty quantification in Badlands. Computers and Geosciences, 2019, 131, 89-101.	2.0	17
31	Precipitation reconstruction from climate-sensitive lithologies using Bayesian machine learning. Environmental Modelling and Software, 2021, 139, 105002.	1.9	16
32	Semantic and Sentiment Analysis of Selected Bhagavad Gita Translations Using BERT-Based Language Framework. IEEE Access, 2022, 10, 21291-21315.	2.6	16
33	Adapting modularity during learning in cooperative co-evolutionary recurrent neural networks. Soft Computing, 2012, 16, 1009-1020.	2.1	15
34	Adaptive problem decomposition in cooperative coevolution of recurrent networks for time series prediction. , 2013, , .		15
35	Cooperative coevolution of feed forward neural networks for financial time series problem. , 2014, , .		13
36	Biden vs Trump: Modeling US General Elections Using BERT Language Model. IEEE Access, 2021, 9, 128494-128505.	2.6	13

#	Article	IF	Citations
37	Bayesian Graph Convolutional Neural Networks via Tempered MCMC. IEEE Access, 2021, 9, 130353-130365.	2.6	13
38	Distributed Bayesian optimisation framework for deep neuroevolution. Neurocomputing, 2022, 470, 51-65.	3.5	13
39	Spatio temporal hydrological extreme forecasting framework using LSTM deep learning model. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3467-3485.	1.9	13
40	Multi-objective cooperative coevolution of neural networks for time series prediction. , 2014, , .		12
41	Cyclone Track Prediction with Matrix Neural Networks. , 2018, , .		12
42	Modeling geochemical anomalies of stream sediment data through a weighted drainage catchment basin method for detecting porphyry Cu-Au mineralization. Journal of Geochemical Exploration, 2019, 204, 12-32.	1.5	12
43	Bayesreef: A Bayesian inference framework for modelling reef growth in response to environmental change and biological dynamics. Environmental Modelling and Software, 2020, 125, 104610.	1.9	12
44	Multicore Parallel Tempering Bayeslands for Basin and Landscape Evolution. Geochemistry, Geophysics, Geosystems, 2019, 20, 5082-5104.	1.0	11
45	Multi-step-ahead chaotic time series prediction using coevolutionary recurrent neural networks. , 2016, , .		10
46	Coevolutionary multi-task learning for feature-based modular pattern classification. Neurocomputing, 2018, 319, 164-175.	3.5	10
47	Revisiting Bayesian Autoencoders With MCMC. IEEE Access, 2022, 10, 40482-40495.	2.6	9
48	Modularity adaptation in cooperative coevolution of feedforward neural networks. , 2011, , .		8
49	Memetic cooperative coevolution of Elman recurrent neural networks. Soft Computing, 2014, 18, 1549-1559.	2.1	8
50	Competitive two-island cooperative coevolution for real parameter global optimisation. , 2015, , .		8
51	Predicting the emplacement of Cordilleran porphyry copper systems using a spatio-temporal machine learning model. Ore Geology Reviews, 2021, 137, 104300.	1.1	8
52	Surrogate-assisted Bayesian inversion for landscape and basin evolution models. Geoscientific Model Development, 2020, 13, 2959-2979.	1.3	8
53	Three-dimensional weights of evidence modelling of a deep-seated porphyry Cu deposit. Geochemistry: Exploration, Environment, Analysis, 2020, 20, 480-495.	0.5	7
54	Globalâ€"local population memetic algorithm for solving the forward kinematics of parallel manipulators. Connection Science, 2015, 27, 22-39.	1.8	6

#	Article	IF	Citations
55	On Solving the Forward Kinematics of the 6-6 General Parallel Manipulator with an Efficient Evolutionary Algorithm. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2010, , 117-124.	0.3	6
56	Solving the forward kinematics of the 3RPR planar parallel manipulator using a hybrid meta-heuristic paradigm. , 2009, , .		5
57	Application of cooperative neuro-evolution of Elman recurrent networks for a two-dimensional cyclone track prediction for the south pacific region. , 2015, , .		5
58	Cooperative neuro-evolutionary recurrent neural networks for solar power prediction. , 2016, , .		5
59	Surrogate-assisted parallel tempering for Bayesian neural learning. Engineering Applications of Artificial Intelligence, 2020, 94, 103700.	4.3	5
60	Dynamic Cyclone Wind-Intensity Prediction Using Co-Evolutionary Multi-task Learning. Lecture Notes in Computer Science, 2017, , 618-627.	1.0	5
61	A meta-heuristic paradigm for solving the forward kinematics of 6–6 general parallel manipulator. , 2009, , .		4
62	A memetic framework for cooperative coevolution of recurrent neural networks. , 2011, , .		4
63	Cooperative neuro-evolution of Elman recurrent networks for tropical cyclone wind-intensity prediction in the South Pacific region. , 2015, , .		4
64	Identification of minimal timespan problem for recurrent neural networks with application to cyclone wind-intensity prediction. , 2016, , .		4
65	An architecture for encoding two-dimensional cyclone track prediction problem in coevolutionary recurrent neural networks. , 2016, , .		4
66	Bayesian Neural Learning via Langevin Dynamics for Chaotic Time Series Prediction. Lecture Notes in Computer Science, 2017, , 564-573.	1.0	4
67	Multi-Island Competitive Cooperative Coevolution for Real Parameter Global Optimization. Lecture Notes in Computer Science, 2015, , 127-136.	1.0	4
68	Neuron-Synapse Level Problem Decomposition Method for Cooperative Neuro-Evolution of Feedforward Networks for Time Series Prediction. Lecture Notes in Computer Science, 2015, , 90-100.	1.0	4
69	Competitive Island-Based Cooperative Coevolution for Efficient Optimization of Large-Scale Fully-Separable Continuous Functions. Lecture Notes in Computer Science, 2015, , 137-147.	1.0	4
70	Coevolutionary Recurrent Neural Networks for Prediction of Rapid Intensification in Wind Intensity of Tropical Cyclones in the South Pacific Region. Lecture Notes in Computer Science, 2015, , 43-52.	1.0	4
71	Forward kinematics of the 3RPR planar parallel manipulators using real coded genetic algorithms. , 2009, , .		3
72	Web and mobile based tourist travel guide system for fiji's tourism industry. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
73	Competitive two-island cooperative co-evolution for training feedforward neural networks for pattern classification problems. , 2015, , .		3
74	Multi-objective cooperative neuro-evolution of recurrent neural networks for time series prediction. , 2015, , .		3
75	Towards an Affective Computational Model forÂMachine Consciousness. Lecture Notes in Computer Science, 2017, , 897-907.	1.0	3
76	Co-evolutionary Multi-task Learning for Modular Pattern Classification. Lecture Notes in Computer Science, 2017, , 692-701.	1.0	3
77	On the relationship of degree of separability with depth of evolution in decomposition for cooperative coevolution. , 2016, , .		2
78	Unconstrained Face Detection from a Mobile Source Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2016, , 567-576.	1.0	2
79	Multi-Task Modular Backpropagation For Dynamic Time Series Prediction. , 2018, , .		2
80	Bayesian Multi-task Learning for Dynamic Time Series Prediction. , 2018, , .		2
81	Renosterveld Conservation in South Africa: A Case Study for Handling Uncertainty in Knowledge-Based Neural Networks for Environmental Management. Journal of Environmental Informatics, 2009, 13, 56-65.	6.0	2
82	Scaling up Multi-island Competitive Cooperative Coevolution for Real Parameter Global Optimisation. Lecture Notes in Computer Science, 2015, , 34-48.	1.0	2
83	Memetic Cooperative Neuro-Evolution for Chaotic Time Series Prediction. Lecture Notes in Computer Science, 2016, , 299-308.	1.0	2
84	Enhancing Competitive Island Cooperative Neuro-Evolution Through Backpropagation for Pattern Classification. Lecture Notes in Computer Science, 2015, , 293-301.	1.0	1
85	Information Collection Strategies In Memetic Cooperative Neuroevolution For Time Series Prediction. , 2018, , .		1
86	Application of Cooperative Convolution Optimization for 13C Metabolic Flux Analysis: Simulation of Isotopic Labeling Patterns Based on Tandem Mass Spectrometry Measurements. Lecture Notes in Computer Science, 2012, , 178-187.	1.0	1
87	Coevolutionary Feature Selection and Reconstruction in Neuro-Evolution for Time Series Prediction. Lecture Notes in Computer Science, 2016, , 285-297.	1.0	1
88	Reverse Neuron Level Decomposition for Cooperative Neuro-Evolution of Feedforward Networks for Time Series Prediction. Lecture Notes in Computer Science, 2016, , 171-182.	1.0	1
89	Multi-task Modular Backpropagation for Feature-Based Pattern Classification. Lecture Notes in Computer Science, 2017, , 558-566.	1.0	1
90	Multi-step-ahead Cyclone Intensity Prediction with Bayesian Neural Networks. Lecture Notes in Computer Science, 2019, , 282-295.	1.0	1

#	Article	IF	Citations
91	Contribution based multi-island competitive cooperative coevolution. , 2016, , .		0
92	Surface Process Models of The Lake Eyre Basin Using Badlands Software. ASEG Extended Abstracts, 2018, 2018, 1-1.	0.1	0
93	Probabilistic modelling of sedimentary basin evolution using Bayeslands. ASEG Extended Abstracts, 2019, 2019, 1-5.	0.1	0
94	3DWofE: An open-source software package for three-dimensional weights of evidence modeling. Software Impacts, 2020, 6, 100039.	0.8	0
95	Chaotic Feature Selection and Reconstruction in Time Series Prediction. Lecture Notes in Computer Science, 2016, , 3-11.	1.0	0
96	Competitive Island Cooperative Neuro-evolution of Feedforward Networks for Time Series Prediction. Lecture Notes in Computer Science, 2016, , 160-170.	1.0	0