

Ravinesh Deo

List of Publications by Year in descending order

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253
papers

13,822
citations

16791

66
h-index

33145

104
g-index

260
all docs

260
docs citations

260
times ranked

10915
citing authors

#	ARTICLE	IF	CITATIONS
1	Debris flows modeling using geo-environmental factors: developing hybridized deep-learning algorithms. <i>Geocarto International</i> , 2022, 37, 5150-5173.	1.7	24
2	Hybrid deep learning method for a week-ahead evapotranspiration forecasting. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 831-849.	1.9	27
3	An interplay of soil salinization and groundwater degradation threatening coexistence of oasis-desert ecosystems. <i>Science of the Total Environment</i> , 2022, 806, 150599.	3.9	28
4	Classification of catchments for nitrogen using Artificial Neural Network Pattern Recognition and spatial data. <i>Science of the Total Environment</i> , 2022, 809, 151139.	3.9	7
5	Application of the group method of data handling (GMDH) approach for landslide susceptibility zonation using readily available spatial covariates. <i>Catena</i> , 2022, 208, 105779.	2.2	34
6	Swarm intelligence optimization of the group method of data handling using the cuckoo search and whale optimization algorithms to model and predict landslides. <i>Applied Soft Computing Journal</i> , 2022, 116, 108254.	4.1	39
7	Stacked LSTM Sequence-to-Sequence Autoencoder with Feature Selection for Daily Solar Radiation Prediction: A Review and New Modeling Results. <i>Energies</i> , 2022, 15, 1061.	1.6	48
8	Development and evaluation of hybrid deep learning long short-term memory network model for pan evaporation estimation trained with satellite and ground-based data. <i>Journal of Hydrology</i> , 2022, 607, 127534.	2.3	10
9	Texture analysis based graph approach for automatic detection of neonatal seizure from multi-channel EEG signals. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 190, 110731.	2.5	17
10	Cloud Affected Solar UV Prediction With Three-Phase Wavelet Hybrid Convolutional Long Short-Term Memory Network Multi-Step Forecast System. <i>IEEE Access</i> , 2022, 10, 24704-24720.	2.6	15
11	Kernel Ridge Regression Hybrid Method for Wheat Yield Prediction with Satellite-Derived Predictors. <i>Remote Sensing</i> , 2022, 14, 1136.	1.8	16
12	Coupled online sequential extreme learning machine model with ant colony optimization algorithm for wheat yield prediction. <i>Scientific Reports</i> , 2022, 12, 5488.	1.6	13
13	Rapid assessment of mine rehabilitation areas with airborne LiDAR and deep learning: bauxite strip mining in Queensland, Australia. <i>Geocarto International</i> , 2022, 37, 11223-11252.	1.7	9
14	Forecasting solar photosynthetic photon flux density under cloud cover effects: novel predictive model using convolutional neural network integrated with long short-term memory network. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3183-3220.	1.9	4
15	Improved Complete Ensemble Empirical Mode Decomposition with Adaptive Noise Deep Residual model for short-term multi-step solar radiation prediction. <i>Renewable Energy</i> , 2022, 190, 408-424.	4.3	27
16	Integrative artificial intelligence models for Australian coastal sediment lead prediction: An investigation of in-situ measurements and meteorological parameters effects. <i>Journal of Environmental Management</i> , 2022, 309, 114711.	3.8	15
17	Machine learning regression and classification methods for fog events prediction. <i>Atmospheric Research</i> , 2022, 272, 106157.	1.8	40
18	New double decomposition deep learning methods for river water level forecasting. <i>Science of the Total Environment</i> , 2022, 831, 154722.	3.9	25

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19	Student Performance Predictions for Advanced Engineering Mathematics Course With New Multivariate Copula Models. IEEE Access, 2022, 10, 45112-45136.	2.6	5
20	Novel hybrid deep learning model for satellite based PM10 forecasting in the most polluted Australian hotspots. Atmospheric Environment, 2022, 279, 119111.	1.9	24
21	Boosting solar radiation predictions with global climate models, observational predictors and hybrid deep-machine learning algorithms. Applied Energy, 2022, 316, 119063.	5.1	32
22	Hybrid deep CNN-SVR algorithm for solar radiation prediction problems in Queensland, Australia. Engineering Applications of Artificial Intelligence, 2022, 112, 104860.	4.3	35
23	Efficient daily solar radiation prediction with deep learning 4-phase convolutional neural network, dual stage stacked regression and support vector machine CNN-REGST hybrid model. Sustainable Materials and Technologies, 2022, 32, e00429.	1.7	10
24	Suspended sediment load modeling using advanced hybrid rotation forest based elastic network approach. Journal of Hydrology, 2022, 610, 127963.	2.3	15
25	Delineating the Crop-Land Dynamic due to Extreme Environment Using Landsat Datasets: A Case Study. Agronomy, 2022, 12, 1268.	1.3	2
26	A country-wide assessment of Iran's land subsidence susceptibility using satellite-based InSAR and machine learning. Geocarto International, 2022, 37, 14065-14087.	1.7	4
27	Development of Flood Monitoring Index for daily flood risk evaluation: case studies in Fiji. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1387-1402.	1.9	12
28	Evaluation of deep learning algorithms for national scale landslide susceptibility mapping of Iran. Geoscience Frontiers, 2021, 12, 505-519.	4.3	212
29	Hybrid multilayer perceptron-firefly optimizer algorithm for modelling photosynthetic active solar radiation for biofuel energy exploration. , 2021, , 191-232.		1
30	Short-term electrical energy demand prediction under heat island effects using emotional neural network integrated with genetic algorithm. , 2021, , 271-298.		1
31	Support vector machine model for multistep wind speed forecasting. , 2021, , 335-389.		4
32	Wind speed forecasting in Nepal using self-organizing map-based online sequential extreme learning machine. , 2021, , 437-484.		1
33	Developing reservoir evaporation predictive model for successful dam management. Stochastic Environmental Research and Risk Assessment, 2021, 35, 499-514.	1.9	11
34	Design and performance of two decomposition paradigms in forecasting daily solar radiation with evolutionary polynomial regression: wavelet transform versus ensemble empirical mode decomposition. , 2021, , 115-142.		2
35	Development of data-driven models for wind speed forecasting in Australia. , 2021, , 143-190.		2
36	Deep learning neural networks for spatially explicit prediction of flash flood probability. Geoscience Frontiers, 2021, 12, 101076.	4.3	60

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37	Short-term flood forecasting using artificial neural networks, extreme learning machines, and M5 model tree. , 2021, , 263-279.		6
38	Designing Deep-Based Learning Flood Forecast Model With ConvLSTM Hybrid Algorithm. IEEE Access, 2021, 9, 50982-50993.	2.6	70
39	MARS model for prediction of short- and long-term global solar radiation. , 2021, , 391-436.		3
40	Optimization of Windspeed Prediction Using an Artificial Neural Network Compared With a Genetic Programming Model. , 2021, , 116-147.		2
41	LSTM integrated with Boruta-random forest optimiser for soil moisture estimation under RCP4.5 and RCP8.5 global warming scenarios. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1851-1881.	1.9	33
42	Deep Learning Forecasts of Soil Moisture: Convolutional Neural Network and Gated Recurrent Unit Models Coupled with Satellite-Derived MODIS, Observations and Synoptic-Scale Climate Index Data. Remote Sensing, 2021, 13, 554.	1.8	43
43	A new framework for classification of multi-category hand grasps using EMG signals. Artificial Intelligence in Medicine, 2021, 112, 102005.	3.8	28
44	Flood spatial prediction modeling using a hybrid of meta-optimization and support vector regression modeling. Catena, 2021, 199, 105114.	2.2	53
45	Modeling soil temperature using air temperature features in diverse climatic conditions with complementary machine learning models. Computers and Electronics in Agriculture, 2021, 185, 106158.	3.7	24
46	The role of internal transcribed spacer 2 secondary structures in classifying mycoparasitic Ampelomyces. PLoS ONE, 2021, 16, e0253772.	1.1	4
47	Deep learning hybrid model with Boruta-Random forest optimiser algorithm for streamflow forecasting with climate mode indices, rainfall, and periodicity. Journal of Hydrology, 2021, 599, 126350.	2.3	56
48	Novel short-term solar radiation hybrid model: Long short-term memory network integrated with robust local mean decomposition. Applied Energy, 2021, 298, 117193.	5.1	25
49	Streamflow prediction using an integrated methodology based on convolutional neural network and long short-term memory networks. Scientific Reports, 2021, 11, 17497.	1.6	103
50	Advanced extreme learning machines vs. deep learning models for peak wave energy period forecasting: A case study in Queensland, Australia. Renewable Energy, 2021, 177, 1031-1044.	4.3	21
51	Mapping rice area and yield in northeastern asia by incorporating a crop model with dense vegetation index profiles from a geostationary satellite. GIScience and Remote Sensing, 2021, 58, 1-27.	2.4	16
52	Application of Deep Learning Models for Automated Identification of Parkinsonâ€™s Disease: A Review (2011â€“2021). Sensors, 2021, 21, 7034.	2.1	42
53	Artificial Neural Networks for Prediction of Steadman Heat Index. Springer Transactions in Civil and Environmental Engineering, 2021, , 293-357.	0.3	1
54	Spatial Prediction of Landslide Susceptibility Using Random Forest Algorithm. Springer Transactions in Civil and Environmental Engineering, 2021, , 281-292.	0.3	1

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55	Bayesian Markov Chain Monte Carlo-Based Copulas: Factoring the Role of Large-Scale Climate Indices in Monthly Flood Prediction. Springer Transactions in Civil and Environmental Engineering, 2021, , 29-47.	0.3	5
56	Daily Flood Forecasts with Intelligent Data Analytic Models: Multivariate Empirical Mode Decomposition-Based Modeling Methods. Springer Transactions in Civil and Environmental Engineering, 2021, , 359-381.	0.3	3
57	Deep Multi-Stage Reference Evapotranspiration Forecasting Model: Multivariate Empirical Mode Decomposition Integrated With the Boruta-Random Forest Algorithm. IEEE Access, 2021, 9, 166695-166708.	2.6	17
58	Artificial intelligence models for suspended river sediment prediction: state-of-the art, modeling framework appraisal, and proposed future research directions. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1585-1612.	1.5	21
59	An Eigenvalues-Based Covariance Matrix Bootstrap Model Integrated With Support Vector Machines for Multichannel EEG Signals Analysis. Frontiers in Neuroinformatics, 2021, 15, 808339.	1.3	0
60	A general extensible learning approach for multi-disease recommendations in a telehealth environment. Pattern Recognition Letters, 2020, 132, 106-114.	2.6	5
61	Modeling wheat yield with data-intelligent algorithms. , 2020, , 37-87.		6
62	Monthly rainfall forecasting with Markov Chain Monte Carlo simulations integrated with statistical bivariate copulas. , 2020, , 89-105.		4
63	Development of copula-statistical drought prediction model using the Standardized Precipitation-Evapotranspiration Index. , 2020, , 141-178.		3
64	Probabilistic seasonal rainfall forecasts using semiparametric d-vine copula-based quantile regression. , 2020, , 203-227.		3
65	An ensemble tree-based machine learning model for predicting the uniaxial compressive strength of travertine rocks. Neural Computing and Applications, 2020, 32, 9065-9080.	3.2	39
66	Machine learning approaches for spatial modeling of agricultural droughts in the south-east region of Queensland Australia. Science of the Total Environment, 2020, 699, 134230.	3.9	103
67	Causality of climate, food production and conflict over the last two millennia in the Hexi Corridor, China. Science of the Total Environment, 2020, 713, 136587.	3.9	20
68	Mixing characteristics of a film-exciting flapping jet. International Journal of Heat and Fluid Flow, 2020, 82, 108532.	1.1	2
69	The effect of sample size on different machine learning models for groundwater potential mapping in mountain bedrock aquifers. Catena, 2020, 187, 104421.	2.2	81
70	Regional hydrology heterogeneity and the response to climate and land surface changes in arid alpine basin, northwest China. Catena, 2020, 187, 104345.	2.2	39
71	A hybrid air quality early-warning framework: An hourly forecasting model with online sequential extreme learning machines and empirical mode decomposition algorithms. Science of the Total Environment, 2020, 709, 135934.	3.9	74
72	Projected spatial patterns in precipitation and air temperature for China's northwest region derived from high-resolution regional climate models. International Journal of Climatology, 2020, 40, 3922-3941.	1.5	16

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73	Exploring solar and wind energy resources in North Korea with COMS M geostationary satellite data coupled with numerical weather prediction reanalysis variables. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109570.	8.2	25
74	Capability and robustness of novel hybridized models used for drought hazard modeling in southeast Queensland, Australia. <i>Science of the Total Environment</i> , 2020, 718, 134656.	3.9	28
75	Ensemble neural network approach detecting pain intensity from facial expressions. <i>Artificial Intelligence in Medicine</i> , 2020, 109, 101954.	3.8	32
76	Forecasting long-term precipitation for water resource management: a new multi-step data-intelligent modelling approach. <i>Hydrological Sciences Journal</i> , 2020, 65, 2693-2708.	1.2	10
77	Experimental Study on the Rainfall-Runoff Responses of Typical Urban Surfaces and Two Green Infrastructures Using Scale-Based Models. <i>Environmental Management</i> , 2020, 66, 683-693.	1.2	19
78	Near Real-Time Global Solar Radiation Forecasting at Multiple Time-Step Horizons Using the Long Short-Term Memory Network. <i>Energies</i> , 2020, 13, 3517.	1.6	27
79	Development of novel hybridized models for urban flood susceptibility mapping. <i>Scientific Reports</i> , 2020, 10, 12937.	1.6	68
80	Near real-time significant wave height forecasting with hybridized multiple linear regression algorithms. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110003.	8.2	56
81	Modern Artificial Intelligence Model Development for Undergraduate Student Performance Prediction: An Investigation on Engineering Mathematics Courses. <i>IEEE Access</i> , 2020, 8, 136697-136724.	2.6	24
82	The modeling of human facial pain intensity based on Temporal Convolutional Networks trained with video frames in HSV color space. <i>Applied Soft Computing Journal</i> , 2020, 97, 106805.	4.1	28
83	Deep Air Quality Forecasts: Suspended Particulate Matter Modeling With Convolutional Neural and Long Short-Term Memory Networks. <i>IEEE Access</i> , 2020, 8, 209503-209516.	2.6	32
84	Feedback modelling of the impacts of drought: A case study in coffee production systems in Viet Nam. <i>Climate Risk Management</i> , 2020, 30, 100255.	1.6	8
85	Stormwater runoff and pollution retention performances of permeable pavements and the effects of structural factors. <i>Environmental Science and Pollution Research</i> , 2020, 27, 30831-30843.	2.7	24
86	Electrical Energy Demand Forecasting Model Development and Evaluation with Maximum Overlap Discrete Wavelet Transform-Online Sequential Extreme Learning Machines Algorithms. <i>Energies</i> , 2020, 13, 2307.	1.6	21
87	Random forest predictive model development with uncertainty analysis capability for the estimation of evapotranspiration in an arid oasis region. <i>Hydrology Research</i> , 2020, 51, 648-665.	1.1	22
88	Spatial mapping of short-term solar radiation prediction incorporating geostationary satellite images coupled with deep convolutional LSTM networks for South Korea. <i>Environmental Research Letters</i> , 2020, 15, 094025.	2.2	20
89	Integrative stochastic model standardization with genetic algorithm for rainfall pattern forecasting in tropical and semi-arid environments. <i>Hydrological Sciences Journal</i> , 2020, 65, 1145-1157.	1.2	25
90	Adaptive boost LS-SVM classification approach for time-series signal classification in epileptic seizure diagnosis applications. <i>Expert Systems With Applications</i> , 2020, 161, 113676.	4.4	58

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91	Hybridized neural fuzzy ensembles for dust source modeling and prediction. Atmospheric Environment, 2020, 224, 117320.	1.9	39
92	Enhanced deep learning algorithm development to detect pain intensity from facial expression images. Expert Systems With Applications, 2020, 149, 113305.	4.4	83
93	Global Solar Radiation Estimation and Climatic Variability Analysis Using Extreme Learning Machine Based Predictive Model. IEEE Access, 2020, 8, 12026-12042.	2.6	59
94	Development and evaluation of the cascade correlation neural network and the random forest models for river stage and river flow prediction in Australia. Soft Computing, 2020, 24, 12079-12090.	2.1	39
95	Modeling and Forecasting Renewable Energy Resources for Sustainable Power Generation: Basic Concepts and Predictive Model Results. Advances in Global Change Research, 2020, , 59-79.	1.6	7
96	Novel hybrid intelligence models for flood-susceptibility prediction: Meta optimization of the GMDH and SVR models with the genetic algorithm and harmony search. Journal of Hydrology, 2020, 590, 125423.	2.3	89
97	Design and implementation of a hybrid model based on two-layer decomposition method coupled with extreme learning machines to support real-time environmental monitoring of water quality parameters. Science of the Total Environment, 2019, 648, 839-853.	3.9	123
98	Application of multivariate recursive nesting bias correction, multiscale wavelet entropy and AI-based models to improve future precipitation projection in upstream of the Heihe River, Northwest China. Theoretical and Applied Climatology, 2019, 137, 323-339.	1.3	11
99	Deep Learning Neural Networks Trained with MODIS Satellite-Derived Predictors for Long-Term Global Solar Radiation Prediction. Energies, 2019, 12, 2407.	1.6	71
100	Deep solar radiation forecasting with convolutional neural network and long short-term memory network algorithms. Applied Energy, 2019, 253, 113541.	5.1	242
101	Sleep EEG signal analysis based on correlation graph similarity coupled with an ensemble extreme machine learning algorithm. Expert Systems With Applications, 2019, 138, 112790.	4.4	43
102	Wavelet-based 3-phase hybrid SVR model trained with satellite-derived predictors, particle swarm optimization and maximum overlap discrete wavelet transform for solar radiation prediction. Renewable and Sustainable Energy Reviews, 2019, 113, 109247.	8.2	68
103	The impacts of substrate and vegetation on stormwater runoff quality from extensive green roofs. Journal of Hydrology, 2019, 576, 575-582.	2.3	42
104	Short-term electricity demand forecasting using machine learning methods enriched with ground-based climate and ECMWF Reanalysis atmospheric predictors in southeast Queensland, Australia. Renewable and Sustainable Energy Reviews, 2019, 113, 109293.	8.2	42
105	Domino effect of climate change over two millennia in ancient China's Hexi Corridor. Nature Sustainability, 2019, 2, 957-961.	11.5	57
106	Correcting Satellite Precipitation Data and Assimilating Satellite-Derived Soil Moisture Data to Generate Ensemble Hydrological Forecasts within the HBV Rainfall-Runoff Model. Water (Switzerland), 2019, 11, 2138.	1.2	10
107	Controlling factors of plant community composition with respect to the slope aspect gradient in the Qilian Mountains. Ecosphere, 2019, 10, e02851.	1.0	20
108	Grassland Degradation on the Qinghai-Tibetan Plateau: Reevaluation of Causative Factors. Rangeland Ecology and Management, 2019, 72, 988-995.	1.1	71

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109	A Joint Deep Neural Network Model for Pain Recognition from Face. , 2019, , .		25
110	Fractal dimension undirected correlation graph-based support vector machine model for identification of focal and non-focal electroencephalography signals. Biomedical Signal Processing and Control, 2019, 54, 101611.	3.5	22
111	Partitioning groundwater recharge sources in multiple aquifers system within a desert oasis environment: Implications for water resources management in endorheic basins. Journal of Hydrology, 2019, 579, 124212.	2.3	28
112	Global solar radiation prediction by ANN integrated with European Centre for medium range weather forecast fields in solar rich cities of Queensland Australia. Journal of Cleaner Production, 2019, 216, 288-310.	4.6	141
113	The role of topography in shaping the spatial patterns of soil organic carbon. Catena, 2019, 176, 296-305.	2.2	54
114	Universally deployable extreme learning machines integrated with remotely sensed MODIS satellite predictors over Australia to forecast global solar radiation: A new approach. Renewable and Sustainable Energy Reviews, 2019, 104, 235-261.	8.2	56
115	Improving SPI-derived drought forecasts incorporating synoptic-scale climate indices in multi-phase multivariate empirical mode decomposition model hybridized with simulated annealing and kernel ridge regression algorithms. Journal of Hydrology, 2019, 576, 164-184.	2.3	71
116	Incorporating synoptic-scale climate signals for streamflow modelling over the Mediterranean region using machine learning models. Hydrological Sciences Journal, 2019, 64, 1240-1252.	1.2	62
117	Environmental and economic impacts and trade-offs from simultaneous management of soil constraints, nitrogen and water. Journal of Cleaner Production, 2019, 222, 960-970.	4.6	11
118	New Approach for Sediment Yield Forecasting with a Two-Phase Feedforward Neuron Network-Particle Swarm Optimization Model Integrated with the Gravitational Search Algorithm. Water Resources Management, 2019, 33, 2335-2356.	1.9	38
119	Suitable exclosure duration for the restoration of degraded alpine grasslands on the Qinghai-Tibetan Plateau. Land Use Policy, 2019, 86, 261-267.	2.5	21
120	Development and Evaluation of Hybrid Artificial Neural Network Architectures for Modeling Spatio-Temporal Groundwater Fluctuations in a Complex Aquifer System. Water Resources Management, 2019, 33, 2381-2397.	1.9	31
121	Copula statistical models for analyzing stochastic dependencies of systemic drought risk and potential adaptation strategies. Stochastic Environmental Research and Risk Assessment, 2019, 33, 779-799.	1.9	23
122	Effects of stand age on carbon storage in dragon spruce forest ecosystems in the upper reaches of the Bailongjiang River basin, China. Scientific Reports, 2019, 9, 3005.	1.6	10
123	Soil organic carbon in semiarid alpine regions: the spatial distribution, stock estimation, and environmental controls. Journal of Soils and Sediments, 2019, 19, 3427-3441.	1.5	13
124	Designing a New Data Intelligence Model for Global Solar Radiation Prediction: Application of Multivariate Modeling Scheme. Energies, 2019, 12, 1365.	1.6	16
125	Land subsidence modelling using tree-based machine learning algorithms. Science of the Total Environment, 2019, 672, 239-252.	3.9	99
126	Weekly soil moisture forecasting with multivariate sequential, ensemble empirical mode decomposition and Boruta-random forest hybridizer algorithm approach. Catena, 2019, 177, 149-166.	2.2	95

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127	PMT: New analytical framework for automated evaluation of geo-environmental modelling approaches. <i>Science of the Total Environment</i> , 2019, 664, 296-311.	3.9	84
128	Long-term modelling of wind speeds using six different heuristic artificial intelligence approaches. <i>International Journal of Climatology</i> , 2019, 39, 3543-3557.	1.5	23
129	Direct and indirect impacts of ionic components of saline water on irrigated soil chemical and microbial processes. <i>Catena</i> , 2019, 172, 581-589.	2.2	13
130	An enhanced extreme learning machine model for river flow forecasting: State-of-the-art, practical applications in water resource engineering area and future research direction. <i>Journal of Hydrology</i> , 2019, 569, 387-408.	2.3	470
131	Design and implementation of a hybrid MLP-GSA model with multi-layer perceptron-gravitational search algorithm for monthly lake water level forecasting. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 125-147.	1.9	32
132	Meta optimization of an adaptive neuro-fuzzy inference system with grey wolf optimizer and biogeography-based optimization algorithms for spatial prediction of landslide susceptibility. <i>Catena</i> , 2019, 175, 430-445.	2.2	199
133	Hybrid artificial intelligence models based on a neuro-fuzzy system and metaheuristic optimization algorithms for spatial prediction of wildfire probability. <i>Agricultural and Forest Meteorology</i> , 2019, 266-267, 198-207.	1.9	194
134	Two-phase extreme learning machines integrated with the complete ensemble empirical mode decomposition with adaptive noise algorithm for multi-scale runoff prediction problems. <i>Journal of Hydrology</i> , 2019, 570, 167-184.	2.3	90
135	Artificial intelligence-based fast and efficient hybrid approach for spatial modelling of soil electrical conductivity. <i>Soil and Tillage Research</i> , 2019, 186, 152-164.	2.6	22
136	Adaptive Neuro-Fuzzy Inference System integrated with solar zenith angle for forecasting sub-tropical Photosynthetically Active Radiation. <i>Food and Energy Security</i> , 2019, 8, e00151.	2.0	14
137	Quantifying flood events in Bangladesh with a daily-step flood monitoring index based on the concept of daily effective precipitation. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1201-1215.	1.3	8
138	The influence of structural factors on stormwater runoff retention of extensive green roofs: new evidence from scale-based models and real experiments. <i>Journal of Hydrology</i> , 2019, 569, 230-238.	2.3	72
139	Assessment of soil salinisation in the Ejina Oasis located in the lower reaches of Heihe River, Northwestern China. <i>Chemistry and Ecology</i> , 2019, 35, 330-343.	0.6	7
140	Effects of topography on soil organic carbon stocks in grasslands of a semiarid alpine region, northwestern China. <i>Journal of Soils and Sediments</i> , 2019, 19, 1640-1650.	1.5	26
141	Weekly heat wave death prediction model using zero-inflated regression approach. <i>Theoretical and Applied Climatology</i> , 2019, 137, 823-838.	1.3	12
142	Situations, challenges and strategies of urban water management in Beijing under rapid urbanization effect. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 115-127.	1.0	11
143	Two-phase particle swarm optimized-support vector regression hybrid model integrated with improved empirical mode decomposition with adaptive noise for multiple-horizon electricity demand forecasting. <i>Applied Energy</i> , 2018, 217, 422-439.	5.1	122
144	The influence of climatic inputs on stream-flow pattern forecasting: case study of Upper Senegal River. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	45

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145	A New Approach to Predict Daily pH in Rivers Based on the "Redundant Wavelet Transform Algorithm. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	10
146	An ensemble-ANFIS based uncertainty assessment model for forecasting multi-scalar standardized precipitation index. Atmospheric Research, 2018, 207, 155-180.	1.8	70
147	Ensemble committee-based data intelligent approach for generating soil moisture forecasts with multivariate hydro-meteorological predictors. Soil and Tillage Research, 2018, 181, 63-81.	2.6	60
148	Comparison of social-ecological resilience between two grassland management patterns driven by grassland land contract policy in the Maqu, Qinghai-Tibetan Plateau. Land Use Policy, 2018, 74, 88-96.	2.5	40
149	Application of the Hybrid Artificial Neural Network Coupled with Rolling Mechanism and Grey Model Algorithms for Streamflow Forecasting Over Multiple Time Horizons. Water Resources Management, 2018, 32, 1883-1899.	1.9	75
150	Effects of ecological water transport on photosynthesis and chlorophyll fluorescence of Populus euphratica. Water Science and Technology: Water Supply, 2018, 18, 1747-1756.	1.0	2
151	Multi-household grazing management pattern maintains better soil fertility. Agronomy for Sustainable Development, 2018, 38, 1.	2.2	23
152	Spatio-temporal drought risk mapping approach and its application in the drought-prone region of south-east Queensland, Australia. Natural Hazards, 2018, 93, 823-847.	1.6	39
153	Computational intelligence approach for modeling hydrogen production: a review. Engineering Applications of Computational Fluid Mechanics, 2018, 12, 438-458.	1.5	154
154	Flood susceptibility assessment in Hengfeng area coupling adaptive neuro-fuzzy inference system with genetic algorithm and differential evolution. Science of the Total Environment, 2018, 621, 1124-1141.	3.9	298
155	Implementation of a hybrid MLP-FFA model for water level prediction of Lake Egirdir, Turkey. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1683-1697.	1.9	90
156	Investigating Drought Duration-Severity-Intensity Characteristics Using the Standardized Precipitation-Evapotranspiration Index: Case Studies in Drought-Prone Southeast Queensland. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	28
157	Multi-layer perceptron hybrid model integrated with the firefly optimizer algorithm for windspeed prediction of target site using a limited set of neighboring reference station data. Renewable Energy, 2018, 116, 309-323.	4.3	115
158	Reservoir inflow forecasting with a modified coactive neuro-fuzzy inference system: a case study for a semi-arid region. Theoretical and Applied Climatology, 2018, 134, 545-563.	1.3	23
159	Comparative Study of Hybrid-Wavelet Artificial Intelligence Models for Monthly Groundwater Depth Forecasting in Extreme Arid Regions, Northwest China. Water Resources Management, 2018, 32, 301-323.	1.9	38
160	Predicting compressive strength of lightweight foamed concrete using extreme learning machine model. Advances in Engineering Software, 2018, 115, 112-125.	1.8	288
161	Rainfall Pattern Forecasting Using Novel Hybrid Intelligent Model Based ANFIS-FFA. Water Resources Management, 2018, 32, 105-122.	1.9	101
162	An international comparison of rice consumption behaviours and greenhouse gas emissions from rice production. Journal of Cleaner Production, 2018, 172, 2288-2300.	4.6	81

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163	Mapping groundwater contamination risk of multiple aquifers using multi-model ensemble of machine learning algorithms. <i>Science of the Total Environment</i> , 2018, 621, 697-712.	3.9	134
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