

Binh Thai Pham

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.

211
papers

9,876
citations

60
h-index

90
g-index

213
ext. papers

12,848
ext. citations

3.7
avg, IF

7.2
L-index

#	Paper	IF	Citations
211	Estimation of the undrained shear strength of sensitive clays using optimized inference intelligence system. <i>Neural Computing and Applications</i> , 2022 , 34, 7835	4.8	1
210	Investigation on factors affecting early strength of high-performance concrete by Gaussian Process Regression.. <i>PLoS ONE</i> , 2022 , 17, e0262930	3.7	1
209	Predicting sustainable arsenic mitigation using machine learning techniques.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 232, 113271	7	1
208	GIS-Based Logistic Regression Application for Landslide Susceptibility Mapping in Son La Hydropower Reservoir Basin. <i>Lecture Notes in Civil Engineering</i> , 2022 , 1841-1849	0.3	
207	Using Decision Tree J48 Based Machine Learning Algorithm for Flood Susceptibility Mapping: A Case Study in Quang Binh Province, Vietnam. <i>Lecture Notes in Civil Engineering</i> , 2022 , 1927-1935	0.3	0
206	Hybrid Model: Teaching Learning-Based Optimization of Artificial Neural Network (TLBO-ANN) for the Prediction of Soil Permeability Coefficient. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-9	1.1	0
205	Flash-flood hazard using deep learning based on H2O R package and fuzzy-multicriteria decision-making analysis. <i>Journal of Hydrology</i> , 2022 , 609, 127747	6	4
204	Evaluation of Shannon Entropy and Weights of Evidence Models in Landslide Susceptibility Mapping for the Pithoragarh District of Uttarakhand State, India. <i>Advances in Civil Engineering</i> , 2022 , 2022, 1-16	1.3	1
203	Flood susceptibility evaluation through deep learning optimizer ensembles and GIS techniques. <i>Journal of Environmental Management</i> , 2022 , 316, 115316	7.9	1
202	A Comparative Study of Soft Computing Models for Prediction of Permeability Coefficient of Soil. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-11	1.1	1
201	Performance assessment of artificial neural network using chi-square and backward elimination feature selection methods for landslide susceptibility analysis. <i>Environmental Earth Sciences</i> , 2021 , 80, 1	2.9	5
200	A Comparison of Gaussian Process and MSP for Prediction of Soil Permeability Coefficient. <i>Scientific Programming</i> , 2021 , 2021, 1-13	1.4	5
199	On Random Subspace Optimization-Based Hybrid Computing Models Predicting the California Bearing Ratio of Soils. <i>Materials</i> , 2021 , 14,	3.5	4
198	A novel approach for classification of soils based on laboratory tests using Adaboost, Tree and ANN modeling. <i>Transportation Geotechnics</i> , 2021 , 27, 100508	4	23
197	Estimation of Soil Cohesion Using Machine Learning Method: A Random Forest Approach. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-14	1.3	6
196	Improving pressure drops estimation of fresh cemented paste backfill slurry using a hybrid machine learning method. <i>Minerals Engineering</i> , 2021 , 163, 106790	4.9	13
195	Groundwater Potential Mapping Using GIS-Based Hybrid Artificial Intelligence Methods. <i>Ground Water</i> , 2021 , 59, 745-760	2.4	10

194	Flood spatial prediction modeling using a hybrid of meta-optimization and support vector regression modeling. <i>Catena</i> , 2021 , 199, 105114	5.8	13
193	Flood risk assessment using deep learning integrated with multi-criteria decision analysis. <i>Knowledge-Based Systems</i> , 2021 , 219, 106899	7.3	22
192	Improved strength prediction of cemented paste backfill using a novel model based on adaptive neuro fuzzy inference system and artificial bee colony. <i>Construction and Building Materials</i> , 2021 , 284, 122857	6.7	13
191	Improved flood susceptibility mapping using a best first decision tree integrated with ensemble learning techniques. <i>Geoscience Frontiers</i> , 2021 , 12, 101105	6	20
190	Identification, Monitoring, and Assessment of an Active Landslide in Tavan-Hauthao, Sapa, Laocai, Vietnam [A Multidisciplinary Approach. <i>Journal of Disaster Research</i> , 2021 , 16, 501-511	0.8	
189	Flood-prone area mapping using machine learning techniques: a case study of Quang Binh province, Vietnam. <i>Natural Hazards</i> , 2021 , 108, 3229-3251	3	4
188	Flash flood susceptibility prediction mapping for a road network using hybrid machine learning models. <i>Natural Hazards</i> , 2021 , 109, 1247-1270	3	5
187	Mapping forest fire susceptibility using spatially explicit ensemble models based on the locally weighted learning algorithm. <i>Ecological Informatics</i> , 2021 , 63, 101292	4.2	19
186	Characterization of soybeans and calibration of their DEM input parameters. <i>Particulate Science and Technology</i> , 2021 , 39, 530-548	2	7
185	Investigating the effect of jointed environment on the cracked concrete arch dam in 3D conditions using FEM. <i>Bulletin of Engineering Geology and the Environment</i> , 2021 , 80, 55-70	4	6
184	Estimation of axial load-carrying capacity of concrete-filled steel tubes using surrogate models. <i>Neural Computing and Applications</i> , 2021 , 33, 3437-3458	4.8	33
183	Can deep learning algorithms outperform benchmark machine learning algorithms in flood susceptibility modeling?. <i>Journal of Hydrology</i> , 2021 , 592, 125615	6	25
182	Flash flood susceptibility mapping using a novel deep learning model based on deep belief network, back propagation and genetic algorithm. <i>Geoscience Frontiers</i> , 2021 , 12, 101100	6	27
181	Flood risk assessment using hybrid artificial intelligence models integrated with multi-criteria decision analysis in Quang Nam Province, Vietnam. <i>Journal of Hydrology</i> , 2021 , 592, 125815	6	20
180	Ensemble machine learning models based on Reduced Error Pruning Tree for prediction of rainfall-induced landslides. <i>International Journal of Digital Earth</i> , 2021 , 14, 575-596	3.9	6
179	Optimum model for bearing capacity of concrete-steel columns with AI technology via incorporating the algorithms of IWO and ABC. <i>Engineering With Computers</i> , 2021 , 37, 797-807	4.5	25
178	Exploring novel hybrid soft computing models for landslide susceptibility mapping in Son La hydropower reservoir basin. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 1688-1714	3.6	2
177	Application of Artificial Intelligence in Predicting Groundwater Contaminants 2021 , 71-105		2

176	Surrogate models for the compressive strength mapping of cement mortar materials. <i>Soft Computing</i> , 2021 , 25, 6347-6372	3.5	12
175	Influence of Data Splitting on Performance of Machine Learning Models in Prediction of Shear Strength of Soil. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-15	1.1	42
174	Landslide Susceptibility Mapping Using Single Machine Learning Models: A Case Study from Pithoragarh District, India. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-19	1.3	1
173	A new development of ANFIS-Based Henry gas solubility optimization technique for prediction of soil shear strength. <i>Transportation Geotechnics</i> , 2021 , 29, 100579	4	5
172	GIS-based ensemble computational models for flood susceptibility prediction in the Quang Binh Province, Vietnam. <i>Journal of Hydrology</i> , 2021 , 599, 126500	6	8
171	Development of Artificial Neural Network for prediction of radon dispersion released from Sinquyen Mine, Vietnam. <i>Environmental Pollution</i> , 2021 , 282, 116973	9.3	5
170	GIS-Based Soft Computing Models for Landslide Susceptibility Mapping: A Case Study of Pithoragarh District, Uttarakhand State, India. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-19	1.1	5
169	Locally weighted learning based hybrid intelligence models for groundwater potential mapping and modeling: A case study at Gia Lai province, Vietnam. <i>Geoscience Frontiers</i> , 2021 , 12, 101154	6	9
168	Naïve Bayes ensemble models for groundwater potential mapping. <i>Ecological Informatics</i> , 2021 , 64, 101389	4.2	6
167	Flash-Flood Potential Mapping Using Deep Learning, Alternating Decision Trees and Data Provided by Remote Sensing Sensors. <i>Sensors</i> , 2021 , 21,	3.8	20
166	Using Field-Based Monitoring to Enhance the Performance of Rainfall Thresholds for Landslide Warning. <i>Water (Switzerland)</i> , 2020 , 12, 3453	3	11
165	Seepage Analysis in Short Embankments Using Developing a Metaheuristic Method Based on Governing Equations. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1761	2.6	19
164	River Water Salinity Prediction Using Hybrid Machine Learning Models. <i>Water (Switzerland)</i> , 2020 , 12, 2951	3	23
163	Novel Ensemble Landslide Predictive Models Based on the Hyperpipes Algorithm: A Case Study in the Nam Dam Commune, Vietnam. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3710	2.6	21
162	Parametric Investigation of Particle Swarm Optimization to Improve the Performance of the Adaptive Neuro-Fuzzy Inference System in Determining the Buckling Capacity of Circular Opening Steel Beams. <i>Materials</i> , 2020 , 13,	3.5	15
161	GIS-based ensemble soft computing models for landslide susceptibility mapping. <i>Advances in Space Research</i> , 2020 , 66, 1303-1320	2.4	11
160	Using GIS, Remote Sensing, and Machine Learning to Highlight the Correlation between the Land-Use/Land-Cover Changes and Flash-Flood Potential. <i>Remote Sensing</i> , 2020 , 12, 1422	5	27
159	GIS Based Hybrid Computational Approaches for Flash Flood Susceptibility Assessment. <i>Water (Switzerland)</i> , 2020 , 12, 683	3	69

158	GIS-Based Gully Erosion Susceptibility Mapping: A Comparison of Computational Ensemble Data Mining Models. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2039	2.6	44
157	Extreme Learning Machine Based Prediction of Soil Shear Strength: A Sensitivity Analysis Using Monte Carlo Simulations and Feature Backward Elimination. <i>Sustainability</i> , 2020 , 12, 2339	3.6	33
156	Permeability prediction of porous media using a combination of computational fluid dynamics and hybrid machine learning methods. <i>Engineering With Computers</i> , 2020 , 37, 3455	4.5	17
155	Daily Rainfall Prediction Using Nonlinear Autoregressive Neural Network. <i>Lecture Notes in Networks and Systems</i> , 2020 , 213-221	0.5	6
154	Optimization of Artificial Intelligence System by Evolutionary Algorithm for Prediction of Axial Capacity of Rectangular Concrete Filled Steel Tubes under Compression. <i>Materials</i> , 2020 , 13,	3.5	44
153	Ensemble modeling of landslide susceptibility using random subspace learner and different decision tree classifiers. <i>Geocarto International</i> , 2020 , 1-23	2.7	31
152	Investigating the Applications of Machine Learning Techniques to Predict the Rock Brittleness Index. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1691	2.6	11
151	Investigation and Optimization of the C-ANN Structure in Predicting the Compressive Strength of Foamed Concrete. <i>Materials</i> , 2020 , 13,	3.5	44
150	Performance Evaluation of Machine Learning Methods for Forest Fire Modeling and Prediction. <i>Symmetry</i> , 2020 , 12, 1022	2.7	45
149	Improvement of Best First Decision Trees Using Bagging and Dagging Ensembles for Flood Probability Mapping. <i>Water Resources Management</i> , 2020 , 34, 3037-3053	3.7	57
148	Bedload transport rate prediction: Application of novel hybrid data mining techniques. <i>Journal of Hydrology</i> , 2020 , 585, 124774	6	26
147	Different sampling strategies for predicting landslide susceptibilities are deemed less consequential with deep learning. <i>Science of the Total Environment</i> , 2020 , 720, 137320	10.2	75
146	Spatial Prediction of Landslides Using Hybrid Integration of Artificial Intelligence Algorithms with Frequency Ratio and Index of Entropy in Nanzheng County, China. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 29	2.6	31
145	A Hybrid Intelligence Approach to Enhance the Prediction Accuracy of Local Scour Depth at Complex Bridge Piers. <i>Sustainability</i> , 2020 , 12, 1063	3.6	13
144	Evaluating Slope Deformation of Earth Dams Due to Earthquake Shaking Using MARS and GMDH Techniques. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1486	2.6	25
143	A Comparative Study of Kernel Logistic Regression, Radial Basis Function Classifier, Multinomial Naïve Bayes, and Logistic Model Tree for Flash Flood Susceptibility Mapping. <i>Water (Switzerland)</i> , 2020 , 12, 239	3	36
142	A Sensitivity and Robustness Analysis of GPR and ANN for High-Performance Concrete Compressive Strength Prediction Using a Monte Carlo Simulation. <i>Sustainability</i> , 2020 , 12, 830	3.6	67
141	Computational Hybrid Machine Learning Based Prediction of Shear Capacity for Steel Fiber Reinforced Concrete Beams. <i>Sustainability</i> , 2020 , 12, 2709	3.6	31

140	A Novel Intelligent ELM-BBO Technique for Predicting Distance of Mine Blasting-Induced Flyrock. <i>Natural Resources Research</i> , 2020 , 29, 4103-4120	4.9	38
139	Particulate matter concentration from open-cut coal mines: A hybrid machine learning estimation. <i>Environmental Pollution</i> , 2020 , 263, 114517	9.3	17
138	A Novel Hybrid Soft Computing Model Using Random Forest and Particle Swarm Optimization for Estimation of Undrained Shear Strength of Soil. <i>Sustainability</i> , 2020 , 12, 2218	3.6	45
137	Improvement of Credal Decision Trees Using Ensemble Frameworks for Groundwater Potential Modeling. <i>Sustainability</i> , 2020 , 12, 2622	3.6	24
136	Soft Computing Ensemble Models Based on Logistic Regression for Groundwater Potential Mapping. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2469	2.6	71
135	Shallow Landslide Susceptibility Mapping by Random Forest Base Classifier and Its Ensembles in a Semi-Arid Region of Iran. <i>Forests</i> , 2020 , 11, 421	2.8	53
134	Framework of Spatial Flood Risk Assessment for a Case Study in Quang Binh Province, Vietnam. <i>Sustainability</i> , 2020 , 12, 3058	3.6	12
133	Backpropagation Neural Network-Based Machine Learning Model for Prediction of Soil Friction Angle. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-11	1.1	6
132	GIS based frequency ratio method for landslide susceptibility mapping at Da Lat City, Lam Dong province, Vietnam. <i>Vietnam Journal of Earth Sciences</i> , 2020 , 42, 55-66	2.1	19
131	Shallow landslide susceptibility mapping: A comparison between classification and regression tree and reduced error pruning tree algorithms. <i>Vietnam Journal of Earth Sciences</i> , 2020 , 42,	2.1	16
130	Prediction of Shear Strength of Soil Using Direct Shear Test and Support Vector Machine Model. <i>Open Construction and Building Technology Journal</i> , 2020 , 14, 41-50	1.1	9
129	Prediction of Shear Strength of Soil Using Direct Shear Test and Support Vector Machine Model. <i>Open Construction and Building Technology Journal</i> , 2020 , 14, 268-277	1.1	5
128	Soil Unconfined Compressive Strength Prediction Using Random Forest (RF) Machine Learning Model. <i>Open Construction and Building Technology Journal</i> , 2020 , 14, 278-285	1.1	3
127	A Robustness Analysis of Different Nonlinear Autoregressive Networks Using Monte Carlo Simulations for Predicting High Fluctuation Rainfall. <i>Lecture Notes in Networks and Systems</i> , 2020 , 205-212	2.5	2
126	Effects of Inter-Basin Water Transfer on Water Flow Condition of Destination Basin. <i>Sustainability</i> , 2020 , 12, 338	3.6	7
125	A new hybrid simulated annealing-based genetic programming technique to predict the ultimate bearing capacity of piles. <i>Engineering With Computers</i> , 2020 , 37, 2111	4.5	31
124	Development of advanced artificial intelligence models for daily rainfall prediction. <i>Atmospheric Research</i> , 2020 , 237, 104845	5.4	63
123	A spatially explicit deep learning neural network model for the prediction of landslide susceptibility. <i>Catena</i> , 2020 , 188, 104451	5.8	115

122	Joint frequency analysis and uncertainty estimation of coupled rainfall-runoff series relying on historical and simulated data. <i>Hydrological Sciences Journal</i> , 2020 , 65, 455-469	3.5	3
121	Flocculation-dewatering prediction of fine mineral tailings using a hybrid machine learning approach. <i>Chemosphere</i> , 2020 , 244, 125450	8.4	39
120	Prediction of ground vibration induced by blasting operations through the use of the Bayesian Network and random forest models. <i>Soil Dynamics and Earthquake Engineering</i> , 2020 , 139, 106390	3.5	68
119	Rainfall induced landslide susceptibility mapping using novel hybrid soft computing methods based on multi-layer perceptron neural network classifier. <i>Geocarto International</i> , 2020 , 1-25	2.7	24
118	Performance Evaluation of GIS-Based Artificial Intelligence Approaches for Landslide Susceptibility Modeling and Spatial Patterns Analysis. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 443	2.9	25
117	Design of robust control based on linear matrix inequality and a novel hybrid PSO search technique for autonomous underwater vehicle. <i>Applied Ocean Research</i> , 2020 , 101, 102231	3.4	5
116	Improving Voting Feature Intervals for Spatial Prediction of Landslides. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-15	1.1	9
115	Soil erosion potential hotspot zone identification using machine learning and statistical approaches in eastern India. <i>Natural Hazards</i> , 2020 , 104, 1259-1294	3	43
114	A Novel Hybrid Model Based on a Feedforward Neural Network and One Step Secant Algorithm for Prediction of Load-Bearing Capacity of Rectangular Concrete-Filled Steel Tube Columns. <i>Molecules</i> , 2020 , 25,	4.8	21
113	Monthly suspended sediment load prediction using artificial intelligence: testing of a new random subspace method. <i>Hydrological Sciences Journal</i> , 2020 , 65, 2116-2127	3.5	13
112	Coupling RBF neural network with ensemble learning techniques for landslide susceptibility mapping. <i>Catena</i> , 2020 , 195, 104805	5.8	42
111	Soft-computing techniques for prediction of soils consolidation coefficient. <i>Catena</i> , 2020 , 195, 104802	5.8	20
110	A novel ensemble learning based on Bayesian Belief Network coupled with an extreme learning machine for flash flood susceptibility mapping. <i>Engineering Applications of Artificial Intelligence</i> , 2020 , 96, 103971	7.2	11
109	Artificial Intelligence-Based Model for the Prediction of Dynamic Modulus of Stone Mastic Asphalt. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5242	2.6	6
108	Cost-Effective Approaches Based on Machine Learning to Predict Dynamic Modulus of Warm Mix Asphalt with High Reclaimed Asphalt Pavement. <i>Materials</i> , 2020 , 13,	3.5	9
107	Stochastic Modeling of Groundwater Fluoride Contamination: Introducing Lazy Learners. <i>Ground Water</i> , 2020 , 58, 723-734	2.4	10
106	A novel hybrid approach of landslide susceptibility modelling using rotation forest ensemble and different base classifiers. <i>Geocarto International</i> , 2020 , 35, 1267-1292	2.7	79
105	Novel approach for forecasting the blast-induced AOp using a hybrid fuzzy system and firefly algorithm. <i>Engineering With Computers</i> , 2020 , 36, 703-712	4.5	41

104	Improved landslide assessment using support vector machine with bagging, boosting, and stacking ensemble machine learning framework in a mountainous watershed, Japan. <i>Landslides</i> , 2020 , 17, 641-658	6.6	125
103	Recent tectonics, geodynamics and seismotectonics in the Ninh Thuan Nuclear Power plants and surrounding regions, South Vietnam. <i>Journal of Asian Earth Sciences</i> , 2020 , 187, 104080	2.8	7
102	Shallow Landslide Susceptibility Mapping: A Comparison between Logistic Model Tree, Logistic Regression, Naïve Bayes Tree, Artificial Neural Network, and Support Vector Machine Algorithms. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	73
101	Groundwater Potential Mapping Combining Artificial Neural Network and Real AdaBoost Ensemble Technique: The DakNong Province Case-study, Vietnam. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	44
100	New Ensemble Models for Shallow Landslide Susceptibility Modeling in a Semi-Arid Watershed. <i>Forests</i> , 2019 , 10, 743	2.8	60
99	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3495	2.6	31
98	Landslide Susceptibility Assessment by Novel Hybrid Machine Learning Algorithms. <i>Sustainability</i> , 2019 , 11, 4386	3.6	87
97	Development of Hybrid Artificial Intelligence Approaches and a Support Vector Machine Algorithm for Predicting the Marshall Parameters of Stone Matrix Asphalt. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3172	2.6	33
96	Landslide susceptibility modeling using different artificial intelligence methods: a case study at Muong Lay district, Vietnam. <i>Geocarto International</i> , 2019 , 1-24	2.7	42
95	Inferring air pollution from air quality index by different geographical areas: case study in India. <i>Air Quality, Atmosphere and Health</i> , 2019 , 12, 1347-1357	5.6	43
94	Improvement of ANFIS Model for Prediction of Compressive Strength of Manufactured Sand Concrete. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3841	2.6	51
93	Prediction Success of Machine Learning Methods for Flash Flood Susceptibility Mapping in the Tafresh Watershed, Iran. <i>Sustainability</i> , 2019 , 11, 5426	3.6	95
92	Assessment of advanced random forest and decision tree algorithms for modeling rainfall-induced landslide susceptibility in the Izu-Oshima Volcanic Island, Japan. <i>Science of the Total Environment</i> , 2019 , 662, 332-346	10.2	226
91	Hybrid Artificial Intelligence Approaches for Predicting Buckling Damage of Steel Columns Under Axial Compression. <i>Materials</i> , 2019 , 12,	3.5	47
90	A Novel Ensemble Artificial Intelligence Approach for Gully Erosion Mapping in a Semi-Arid Watershed (Iran). <i>Sensors</i> , 2019 , 19,	3.8	60
89	Hybrid Artificial Intelligence Approaches for Predicting Critical Buckling Load of Structural Members under Compression Considering the Influence of Initial Geometric Imperfections. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2258	2.6	52
88	Hybrid computational intelligence models for groundwater potential mapping. <i>Catena</i> , 2019 , 182, 1041018	3.8	69
87	Quantification of Uncertainties on the Critical Buckling Load of Columns under Axial Compression with Uncertain Random Materials. <i>Materials</i> , 2019 , 12,	3.5	31

86	Development of artificial intelligence models for the prediction of Compression Coefficient of soil: An application of Monte Carlo sensitivity analysis. <i>Science of the Total Environment</i> , 2019 , 679, 172-184	10.2	90
85	Prediction and Sensitivity Analysis of Bubble Dissolution Time in 3D Selective Laser Sintering Using Ensemble Decision Trees. <i>Materials</i> , 2019 , 12,	3.5	47
84	Prediction of Compressive Strength of Geopolymer Concrete Using Entirely Steel Slag Aggregates: Novel Hybrid Artificial Intelligence Approaches. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1113	2.6	62
83	Novel Entropy and Rotation Forest-Based Credal Decision Tree Classifier for Landslide Susceptibility Modeling. <i>Entropy</i> , 2019 , 21,	2.8	44
82	Shallow Landslide Prediction Using a Novel Hybrid Functional Machine Learning Algorithm. <i>Remote Sensing</i> , 2019 , 11, 931	5	58
81	Assessing Dynamic Conditions of the Retaining Wall: Developing Two Hybrid Intelligent Models. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1042	2.6	87
80	Evaluating GIS-Based Multiple Statistical Models and Data Mining for Earthquake and Rainfall-Induced Landslide Susceptibility Using the LiDAR DEM. <i>Remote Sensing</i> , 2019 , 11, 638	5	79
79	A comparative assessment of flood susceptibility modeling using Multi-Criteria Decision-Making Analysis and Machine Learning Methods. <i>Journal of Hydrology</i> , 2019 , 573, 311-323	6	228
78	Flash flood susceptibility modeling using an optimized fuzzy rule based feature selection technique and tree based ensemble methods. <i>Science of the Total Environment</i> , 2019 , 668, 1038-1054	10.2	117
77	Wildfire Probability Mapping: Bivariate vs. Multivariate Statistics. <i>Remote Sensing</i> , 2019 , 11, 618	5	31
76	Artificial Intelligence Approaches for Prediction of Compressive Strength of Geopolymer Concrete. <i>Materials</i> , 2019 , 12,	3.5	112
75	Hybrid Machine Learning Approaches for Landslide Susceptibility Modeling. <i>Forests</i> , 2019 , 10, 157	2.8	91
74	A novel hybrid model of Bagging-based Naïve Bayes Trees for landslide susceptibility assessment. <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 1911-1925	4	48
73	A comparison of Support Vector Machines and Bayesian algorithms for landslide susceptibility modelling. <i>Geocarto International</i> , 2019 , 34, 1385-1407	2.7	64
72	A novel hybrid approach of Bayesian Logistic Regression and its ensembles for landslide susceptibility assessment. <i>Geocarto International</i> , 2019 , 34, 1427-1457	2.7	79
71	Optimization of an adaptive neuro-fuzzy inference system for groundwater potential mapping. <i>Hydrogeology Journal</i> , 2019 , 27, 2511-2534	3.1	43
70	Evaluating scale effects of topographic variables in landslide susceptibility models using GIS-based machine learning techniques. <i>Scientific Reports</i> , 2019 , 9, 12296	4.9	80
69	Development of a Novel Hybrid Intelligence Approach for Landslide Spatial Prediction. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2824	2.6	45

68	Landslide Susceptibility Mapping Using Different GIS-Based Bivariate Models. <i>Water (Switzerland)</i> , 2019 , 11, 1402	3	82
67	Flood Spatial Modeling in Northern Iran Using Remote Sensing and GIS: A Comparison between Evidential Belief Functions and Its Ensemble with a Multivariate Logistic Regression Model. <i>Remote Sensing</i> , 2019 , 11, 1589	5	82
66	Torrential rainfall-triggered shallow landslide characteristics and susceptibility assessment using ensemble data-driven models in the Dongjiang Reservoir Watershed, China. <i>Natural Hazards</i> , 2019 , 97, 579-609	3	35
65	Application of artificial neural networks for predicting tree survival and mortality in the Hyrcanian forest of Iran. <i>Computers and Electronics in Agriculture</i> , 2019 , 164, 104929	6.5	46
64	Determination of compound channel apparent shear stress: application of novel data mining models. <i>Journal of Hydroinformatics</i> , 2019 , 21, 798-811	2.6	49
63	Meteorological data mining and hybrid data-intelligence models for reference evaporation simulation: A case study in Iraq. <i>Computers and Electronics in Agriculture</i> , 2019 , 167, 105041	6.5	66
62	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. <i>Water (Switzerland)</i> , 2019 , 11, 2013	3	45
61	Development of an Artificial Intelligence Approach for Prediction of Consolidation Coefficient of Soft Soil: A Sensitivity Analysis. <i>Open Construction and Building Technology Journal</i> , 2019 , 13, 178-188	1.1	28
60	Development of Hybrid Machine Learning Models for Predicting the Critical Buckling Load of I-Shaped Cellular Beams. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5458	2.6	33
59	Development and Identification of Working Parameters for a Lychee Peeling Machine Combining Rollers and a Pressing Belt. <i>AgriEngineering</i> , 2019 , 1, 550-566	2.2	4
58	Designing of concrete pavement expansion joints based on climate conditions of Vietnam. <i>Journal of the Mechanical Behavior of Materials</i> , 2019 , 28, 62-67	1.9	2
57	A Novel Intelligence Approach of a Sequential Minimal Optimization-Based Support Vector Machine for Landslide Susceptibility Mapping. <i>Sustainability</i> , 2019 , 11, 6323	3.6	21
56	Development of an AI Model to Measure Traffic Air Pollution from Multisensor and Weather Data. <i>Sensors</i> , 2019 , 19,	3.8	44
55	Adaptive Network Based Fuzzy Inference System with Meta-Heuristic Optimizations for International Roughness Index Prediction. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4715	2.6	40
54	GIS Based Novel Hybrid Computational Intelligence Models for Mapping Landslide Susceptibility: A Case Study at Da Lat City, Vietnam. <i>Sustainability</i> , 2019 , 11, 7118	3.6	28
53	Mapping Groundwater Potential Using a Novel Hybrid Intelligence Approach. <i>Water Resources Management</i> , 2019 , 33, 281-302	3.7	97
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51	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	5.8	143

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37	A comparison study of DRASTIC methods with various objective methods for groundwater vulnerability assessment. <i>Science of the Total Environment</i> , 2018 , 642, 1032-1049	10.2	95
36	Spatial Prediction of Rainfall Induced Shallow Landslides Using Adaptive-Network-Based Fuzzy Inference System and Particle Swarm Optimization: A Case Study at the Uttarakhand Area, India 2018 , 224-238		1
35	A Novel Hybrid Intelligent Approach of Random Subspace Ensemble and Reduced Error Pruning Trees for Landslide Susceptibility Modeling: A Case Study at Mu Cang Chai District, Yen Bai Province, Viet Nam 2018 , 255-269		2
34	Application of Classification and Regression Trees for Spatial Prediction of Rainfall-Induced Shallow Landslides in the Uttarakhand Area (India) Using GIS. <i>Sustainable Development Goals Series</i> , 2018 , 159-170	0.5	7
33	Spatial prediction of landslides using a hybrid machine learning approach based on Random Subspace and Classification and Regression Trees. <i>Geomorphology</i> , 2018 , 303, 256-270	4.3	129

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30	Landslide Susceptibility Modeling Based on GIS and Novel Bagging-Based Kernel Logistic Regression. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2540	2.6	108
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17	GIS-based modeling of rainfall-induced landslides using data mining-based functional trees classifier with AdaBoost, Bagging, and MultiBoost ensemble frameworks. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	171
16	A comparative study of different machine learning methods for landslide susceptibility assessment: A case study of Uttarakhand area (India). <i>Environmental Modelling and Software</i> , 2016 , 84, 240-250	5.2	289
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12	Landslide Susceptibility Assessment at a Part of Uttarakhand Himalaya, India using GIS Based Statistical Approach of Frequency Ratio Method. <i>International Journal of Engineering Research & Technology</i> , 2015 , V4,	0.9	9
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9	Analyzing travel behavior in Hanoi using Support Vector Machine. <i>Transportation Planning and Technology</i> ,1-17	1.6	1
8	Spatial prediction of landslides along National Highway-6, Hoa Binh province, Vietnam using novel hybrid models. <i>Geocarto International</i> ,1-26	2.7	5
7	Landslide susceptibility mapping using state-of-the-art machine learning ensembles. <i>Geocarto International</i> ,1-26	2.7	5
6	Flash-flood potential index estimation using fuzzy logic combined with deep learning neural network, naïve Bayes, XGBoost and classification and regression tree. <i>Geocarto International</i> ,1-28	2.7	5
5	Metaheuristic optimization of Levenberg-Marquardt-based artificial neural network using particle swarm optimization for prediction of foamed concrete compressive strength. <i>Neural Computing and Applications</i> ,1	4.8	6
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