Dieu Tien Bui

List of Publications by Year
in descending order

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244	24,150	3731 89	9345 143
papers	citations	h-index	g-index

251	251	251	9751
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An advanced meta-learner based on artificial electric field algorithm optimized stacking ensemble techniques for enhancing prediction accuracy of soil shear strength. Engineering With Computers, 2022, 38, 2185-2207.	6.1	18
2	Assessment of Gini-, entropy- and ratio-based classification trees for groundwater potential modelling and prediction. Geocarto International, 2022, 37, 3397-3415.	3.5	10
3	Development of a novel hybrid multi-boosting neural network model for spatial prediction of urban flood. Geocarto International, 2022, 37, 5716-5741.	3.5	16
4	Debris flows modeling using geo-environmental factors: developing hybridized deep-learning algorithms. Geocarto International, 2022, 37, 5150-5173.	3.5	24
5	Swarm intelligence optimization of the group method of data handling using the cuckoo search and whale optimization algorithms to model and predict landslides. Applied Soft Computing Journal, 2022, 116, 108254.	7.2	39
6	Deformation forecasting of a hydropower dam by hybridizing a long shortâ€term memory deep learning network with the coronavirus optimization algorithm. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 1368-1386.	9.8	26
7	Predicting Discharges in Sewer Pipes Using an Integrated Long Short-Term Memory and Entropy A-TOPSIS Modeling Framework. Water (Switzerland), 2022, 14, 300.	2.7	5
8	Comparing the Soil Conservation Service model with new machine learning algorithms for predicting cumulative infiltration in semi-arid regions. Pedosphere, 2022, 32, 718-732.	4.0	1
9	Optimization of state-of-the-art fuzzy-metaheuristic ANFIS-based machine learning models for flood susceptibility prediction mapping in the Middle Ganga Plain, India. Science of the Total Environment, 2021, 750, 141565.	8.0	126
10	An integrated approach of GIS and hybrid intelligence techniques applied for flood risk modeling. Journal of Environmental Planning and Management, 2021, 64, 485-516.	4.5	25
11	Flash flood susceptibility mapping using a novel deep learning model based on deep belief network, back propagation and genetic algorithm. Geoscience Frontiers, 2021, 12, 101100.	8.4	95
12	Deep learning neural networks for spatially explicit prediction of flash flood probability. Geoscience Frontiers, 2021, 12, 101076.	8.4	60
13	A novel hybrid quantum-PSO and credal decision tree ensemble for tropical cyclone induced flash flood susceptibility mapping with geospatial data. Journal of Hydrology, 2021, 596, 125682.	5.4	33
14	Fine-tuning of neural computing using whale optimization algorithm for predicting compressive strength of concrete. Engineering With Computers, 2021, 37, 701-712.	6.1	43
15	Proposing two new metaheuristic algorithms of ALO-MLP and SHO-MLP inÂpredicting bearing capacity of circular footing located on horizontal multilayer soil. Engineering With Computers, 2021, 37, 1537-1547.	6.1	17
16	A new hybrid equilibrium optimized SysFor based geospatial data mining for tropical storm-induced flash flood susceptible mapping. Journal of Environmental Management, 2021, 280, 111858.	7.8	15
17	An approach based on socio-politically optimized neural computing network for predicting shallow landslide susceptibility at tropical areas. Environmental Earth Sciences, 2021, 80, 1.	2.7	1
18	Thirty-Year Dynamics of LULC at the Dong Thap Muoi Area, Southern Vietnam, Using Google Earth Engine. ISPRS International Journal of Geo-Information, 2021, 10, 226.	2.9	5

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19	First comprehensive quantification of annual land use/cover from 1990 to 2020 across mainland Vietnam. Scientific Reports, 2021, 11, 9979.	3.3	34
20	A new approach of deep neural computing for spatial prediction of wildfire danger at tropical climate areas. Ecological Informatics, 2021, 63, 101300.	5.2	30
21	A novel hybrid approach of landslide susceptibility modelling using rotation forest ensemble and different base classifiers. Geocarto International, 2020, 35, 1267-1292.	3.5	114
22	A hybrid computational intelligence approach for predicting soil shear strength for urban housing construction: a case study at Vinhomes Imperia project, Hai Phong city (Vietnam). Engineering With Computers, 2020, 36, 603-616.	6.1	46
23	Prediction of Blast-Induced Ground Vibration in an Open-Pit Mine by a Novel Hybrid Model Based on Clustering and Artificial Neural Network. Natural Resources Research, 2020, 29, 691-709.	4.7	148
24	Development of a novel hybrid intelligent model for solving engineering problems using GS-GMDH algorithm. Engineering With Computers, 2020, 36, 1379-1391.	6.1	40
25	Advanced soft computing techniques for predicting soil compression coefficient in engineering project: a comparative study. Engineering With Computers, 2020, 36, 1405-1416.	6.1	11
26	Novel Soft Computing Model for Predicting Blast-Induced Ground Vibration in Open-Pit Mines Based on Particle Swarm Optimization and XGBoost. Natural Resources Research, 2020, 29, 711-721.	4.7	116
27	Prediction of ultimate bearing capacity through various novel evolutionary and neural network models. Engineering With Computers, 2020, 36, 671-687.	6.1	65
28	A Monte Carlo simulation approach for effective assessment of flyrock based on intelligent system of neural network. Engineering With Computers, 2020, 36, 713-723.	6.1	97
29	Assessing cohesion of the rocks proposing a new intelligent technique namely group method of data handling. Engineering With Computers, 2020, 36, 783-793.	6.1	3
30	A novel deep learning neural network approach for predicting flash flood susceptibility: A case study at a high frequency tropical storm area. Science of the Total Environment, 2020, 701, 134413.	8.0	216
31	Improved landslide assessment using support vector machine with bagging, boosting, and stacking ensemble machine learning framework in a mountainous watershed, Japan. Landslides, 2020, 17, 641-658.	5.4	294
32	Recent tectonics, geodynamics and seismotectonics in the Ninh Thuan Nuclear Power plants and surrounding regions, South Vietnam. Journal of Asian Earth Sciences, 2020, 187, 104080.	2.3	8
33	Intelligent Prediction of Blasting-Induced Ground Vibration Using ANFIS Optimized by GA and PSO. Natural Resources Research, 2020, 29, 739-750.	4.7	72
34	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.	8.0	103
35	The feasibility of Levenbergâ€“Marquardt algorithm combined with imperialist competitive computational method predicting drag reduction in crude oil pipelines. Journal of Petroleum Science and Engineering, 2020, 185, 106634.	4.2	43
36	A Novel Application of League Championship Optimization (LCA): Hybridizing Fuzzy Logic for Soil Compression Coefficient Analysis. Applied Sciences (Switzerland), 2020, 10, 67.	2.5	9

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37	Effects of Inter-Basin Water Transfer on Water Flow Condition of Destination Basin. Sustainability, 2020, 12, 338.	3.2	19
38	Comparing the prediction performance of a Deep Learning Neural Network model with conventional machine learning models in landslide susceptibility assessment. Catena, 2020, 188, 104426.	5.0	249
39	Identification of areas prone to flash-flood phenomena using multiple-criteria decision-making, bivariate statistics, machine learning and their ensembles. Science of the Total Environment, 2020, 712, 136492.	8.0	101
40	The effect of sample size on different machine learning models for groundwater potential mapping in mountain bedrock aquifers. Catena, 2020, 187, 104421.	5.0	81
41	Herding Behaviors of grasshopper and Harris hawk for hybridizing the neural network in predicting the soil compression coefficient. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107389.	5.0	54
42	Comparison of machine learning models for gully erosion susceptibility mapping. Geoscience Frontiers, 2020, 11, 1609-1620.	8.4	96
43	Systematic sample subdividing strategy for training landslide susceptibility models. Catena, 2020, 187, 104358.	5.0	40
44	Capability and robustness of novel hybridized models used for drought hazard modeling in southeast Queensland, Australia. Science of the Total Environment, 2020, 718, 134656.	8.0	28
45	Novel Credal Decision Tree-Based Ensemble Approaches for Predicting the Landslide Susceptibility. Remote Sensing, 2020, 12, 3389.	4.0	41
46	Coastal Wetland Classification with Deep U-Net Convolutional Networks and Sentinel-2 Imagery: A Case Study at the Tien Yen Estuary of Vietnam. Remote Sensing, 2020, 12, 3270.	4.0	30
47	Mapping wind erosion hazard with regression-based machine learning algorithms. Scientific Reports, 2020, 10, 20494.	3.3	35
48	GIS-Based Mapping of Seismic Parameters for the Pyrenees. ISPRS International Journal of Geo-Information, 2020, 9, 452.	2.9	7
49	Development of novel hybridized models for urban flood susceptibility mapping. Scientific Reports, 2020, 10, 12937.	3.3	68
50	Soft-computing techniques for prediction of soils consolidation coefficient. Catena, 2020, 195, 104802.	5.0	43
51	A novel ensemble learning based on Bayesian Belief Network coupled with an extreme learning machine for flash flood susceptibility mapping. Engineering Applications of Artificial Intelligence, 2020, 96, 103971.	8.1	29
52	New neural fuzzy-based machine learning ensemble for enhancing the prediction accuracy of flood susceptibility mapping. Hydrological Sciences Journal, 2020, 65, 2816-2837.	2.6	46
53	Convolutional neural network approach for spatial prediction of flood hazard at national scale of Iran. Journal of Hydrology, 2020, 591, 125552.	5.4	87
54	A New Hybrid Fireflyâ€“PSO Optimized Random Subspace Tree Intelligence for Torrential Rainfall-Induced Flash Flood Susceptible Mapping. Remote Sensing, 2020, 12, 2688.	4.0	46

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55	Novel Machine Learning Approaches for Modelling the Gully Erosion Susceptibility. Remote Sensing, 2020, 12, 2833.	4.0	52
56	Novel Ensemble of Multivariate Adaptive Regression Spline with Spatial Logistic Regression and Boosted Regression Tree for Gully Erosion Susceptibility. Remote Sensing, 2020, 12, 3284.	4.0	33
57	Machine learning methods for landslide susceptibility studies: A comparative overview of algorithm performance. Earth-Science Reviews, 2020, 207, 103225.	9.1	470
58	Identifying sources of dust aerosol using a new framework based on remote sensing and modelling. Science of the Total Environment, 2020, 737, 139508.	8.0	35
59	Spatial modeling of exposure of mangrove ecosystems to multiple environmental hazards. Science of the Total Environment, 2020, 740, 140167.	8.0	19
60	Analysis of Outbreak and Global Impacts of the COVID-19. Healthcare (Switzerland), 2020, 8, 148.	2.0	37
61	Vulnerability of coastal communities to climate change: Thirty-year trend analysis and prospective prediction for the coastal regions of the Persian Gulf and Gulf of Oman. Science of the Total Environment, 2020, 741, 140305.	8.0	32
62	Spatial predicting of flood potential areas using novel hybridizations of fuzzy decision-making, bivariate statistics, and machine learning. Journal of Hydrology, 2020, 585, 124808.	5.4	75
63	Crime rate detection using social media of different crime locations and Twitter part-of-speech tagger with Brown clustering. Journal of Intelligent and Fuzzy Systems, 2020, 38, 4287-4299.	1.4	52
64	Spatial modelling of gully erosion in the Ardib River Watershed using three statistical-based techniques. Catena, 2020, 190, 104545.	5.0	28
65	Landslide Susceptibility Evaluation and Management Using Different Machine Learning Methods in The Gallicash River Watershed, Iran. Remote Sensing, 2020, 12, 475.	4.0	121
66	Machine Learning-Based Gully Erosion Susceptibility Mapping: A Case Study of Eastern India. Sensors, 2020, 20, 1313.	3.8	71
67	Improving prediction of water quality indices using novel hybrid machine-learning algorithms. Science of the Total Environment, 2020, 721, 137612.	8.0	202
68	Novel Ensembles of Deep Learning Neural Network and Statistical Learning for Flash-Flood Susceptibility Mapping. Water (Switzerland), 2020, 12, 1549.	2.7	51
69	Spatially explicit predictions of changes in the extent of mangroves of Iran at the end of the 21st century. Estuarine, Coastal and Shelf Science, 2020, 237, 106644.	2.1	25
70	Hybridized neural fuzzy ensembles for dust source modeling and prediction. Atmospheric Environment, 2020, 224, 117320.	4.1	39
71	Advanced Machine Learning and Big Data Analytics in Remote Sensing for Natural Hazards Management. Remote Sensing, 2020, 12, 301.	4.0	7
72	Bedload transport rate prediction: Application of novel hybrid data mining techniques. Journal of Hydrology, 2020, 585, 124774.	5.4	55

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73	Spatial assessment of landslide risk using two novel integrations of neuro-fuzzy system and metaheuristic approaches; Ardabil Province, Iran. Geomatics, Natural Hazards and Risk, 2020, 11, 230-258.	4.3	12
74	A New Integrated Approach Based on the Iterative Super-Resolution Algorithm and Expectation Maximization for Face Hallucination. Applied Sciences (Switzerland), 2020, 10, 718.	2.5	8
75	A Hybrid Intelligence Approach to Enhance the Prediction Accuracy of Local Scour Depth at Complex Bridge Piers. Sustainability, 2020, 12, 1063.	3.2	22
76	Shuffled Frog Leaping Algorithm and Wind-Driven Optimization Technique Modified with Multilayer Perceptron. Applied Sciences (Switzerland), 2020, 10, 689.	2.5	10
77	A methodological comparison of head-cut based gully erosion susceptibility models: Combined use of statistical and artificial intelligence. Geomorphology, 2020, 359, 107136.	2.6	32
78	Hybridizing four wise neural-metaheuristic paradigms in predicting soil shear strength. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107576.	5.0	31
79	A Comparative Study of Kernel Logistic Regression, Radial Basis Function Classifier, Multinomial NaÃ¯ve Bayes, and Logistic Model Tree for Flash Flood Susceptibility Mapping. Water (Switzerland), 2020, 12, 239.	2.7	85
80	Enhancing nitrate and strontium concentration prediction in groundwater by using new data mining algorithm. Science of the Total Environment, 2020, 715, 136836.	8.0	58
81	Fuzzy-metaheuristic ensembles for spatial assessment of forest fire susceptibility. Journal of Environmental Management, 2020, 260, 109867.	7.8	103
82	Gully Head-Cut Distribution Modeling Using Machine Learning Methodsâ€"A Case Study of N.W. Iran. Water (Switzerland), 2020, 12, 16.	2.7	30
83	Hybrid Computational Intelligence Models for Improvement Gully Erosion Assessment. Remote Sensing, 2020, 12, 140.	4.0	33
84	Effectiveness assessment of Keras based deep learning with different robust optimization algorithms for shallow landslide susceptibility mapping at tropical area. Catena, 2020, 188, 104458.	5.0	96
85	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. Sensors, 2020, 20, 335.	3.8	33
86	A tree-based intelligence ensemble approach for spatial prediction of potential groundwater. International Journal of Digital Earth, 2020, 13, 1408-1429.	3.9	70
87	A New Modeling Approach for Spatial Prediction of Flash Flood with Biogeography Optimized CHAID Tree Ensemble and Remote Sensing Data. Remote Sensing, 2020, 12, 1373.	4.0	32
88	Flash flood susceptibility modelling using functional tree and hybrid ensemble techniques. Journal of Hydrology, 2020, 587, 125007.	5.4	88
89	Morphometric Analysis for Soil Erosion Susceptibility Mapping Using Novel GIS-Based Ensemble Model. Remote Sensing, 2020, 12, 874.	4.0	58
90	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.	5.4	89

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91	A Novel GIS-Based Random Forest Machine Algorithm for the Spatial Prediction of Shallow Landslide Susceptibility. Forests, 2020, 11, 118.	2.1	54
92	A comparison of Support Vector Machines and Bayesian algorithms for landslide susceptibility modelling. Geocarto International, 2019, 34, 1385-1407.	3.5	88
93	A novel hybrid approach of Bayesian Logistic Regression and its ensembles for landslide susceptibility assessment. Geocarto International, 2019, 34, 1427-1457.	3.5	105
94	Harris Hawks Optimization: A Novel Swarm Intelligence Technique for Spatial Assessment of Landslide Susceptibility. Sensors, 2019, 19, 3590.	3.8	111
95	Development of a Novel Hybrid Intelligence Approach for Landslide Spatial Prediction. Applied Sciences (Switzerland), 2019, 9, 2824.	2.5	58
96	A Semi-empirical Approach Based on Genetic Programming for the Study of Biophysical Controls on Diameter-Growth of Fagus orientalis in Northern Iran. Remote Sensing, 2019, 11, 1680.	4.0	15
97	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. Remote Sensing, 2019, 11, 1589.	4.0	124
98	Spatial prediction of flood potential using new ensembles of bivariate statistics and artificial intelligence: A case study at the Putna river catchment of Romania. Science of the Total Environment, 2019, 691, 1098-1118.	8.0	99
99	Novel ensembles of COPRAS multi-criteria decision-making with logistic regression, boosted regression tree, and random forest for spatial prediction of gully erosion susceptibility. Science of the Total Environment, 2019, 688, 903-916.	8.0	91
100	Predicting uncertainty of machine learning models for modelling nitrate pollution of groundwater using quantile regression and UNEEC methods. Science of the Total Environment, 2019, 688, 855-866.	8.0	155
101	The Feasibility of Three Prediction Techniques of the Artificial Neural Network, Adaptive Neuro-Fuzzy Inference System, and Hybrid Particle Swarm Optimization for Assessing the Safety Factor of Cohesive Slopes. ISPRS International Journal of Geo-Information, 2019, 8, 391.	2.9	73
102	Development of Two Novel Hybrid Prediction Models Estimating Ultimate Bearing Capacity of the Shallow Circular Footing. Applied Sciences (Switzerland), 2019, 9, 4594.	2.5	8
103	Novel Nature-Inspired Hybrids of Neural Computing for Estimating Soil Shear Strength. Applied Sciences (Switzerland), 2019, 9, 4643.	2.5	26
104	Slope Stability Monitoring Using Novel Remote Sensing Based Fuzzy Logic. Sensors, 2019, 19, 4636.	3.8	21
105	Spatial Landslide Susceptibility Assessment Based on Novel Neural-Metaheuristic Geographic Information System Based Ensembles. Sensors, 2019, 19, 4698.	3.8	29
106	Machine-Learning-Based Classification Approaches toward Recognizing Slope Stability Failure. Applied Sciences (Switzerland), 2019, 9, 4638.	2.5	24
107	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. Water (Switzerland), 2019, 11, 2013.	2.7	64
108	Predicting Heating Load in Energy-Efficient Buildings Through Machine Learning Techniques. Applied Sciences (Switzerland), 2019, 9, 4338.	2.5	27

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109	Predicting Heating and Cooling Loads in Energy-Efficient Buildings Using Two Hybrid Intelligent Models. Applied Sciences (Switzerland), 2019, 9, 3543.	2.5	41
110	Application of Three Metaheuristic Techniques in Simulation of Concrete Slump. Applied Sciences (Switzerland), 2019, 9, 4340.	2.5	19
111	New Ensemble Models for Shallow Landslide Susceptibility Modeling in a Semi-Arid Watershed. Forests, 2019, 10, 743.	2.1	89
112	Spatial prediction of shallow landslide using Bat algorithm optimized machine learning approach: A case study in Lang Son Province, Vietnam. Advanced Engineering Informatics, 2019, 42, 100978.	8.0	37
113	A comparative study of support vector machine and logistic model tree classifiers for shallow landslide susceptibility modeling. Environmental Earth Sciences, 2019, 78, 1.	2.7	60
114	Prediction of Pullout Behavior of Belled Piles through Various Machine Learning Modelling Techniques. Sensors, 2019, 19, 3678.	3.8	16
115	Spatial Prediction of Landslide Susceptibility Using GIS-Based Data Mining Techniques of ANFIS with Whale Optimization Algorithm (WOA) and Grey Wolf Optimizer (GWO). Applied Sciences (Switzerland), 2019, 9, 3755.	2.5	129
116	Multi-Hazard Exposure Mapping Using Machine Learning Techniques: A Case Study from Iran. Remote Sensing, 2019, 11, 1943.	4.0	56
117	Inferring air pollution from air quality index by different geographical areas: case study in India. Air Quality, Atmosphere and Health, 2019, 12, 1347-1357.	3.3	67
118	Multi-hazards vulnerability assessment of southern coasts of Iran. Journal of Environmental Management, 2019, 252, 109628.	7.8	40
119	Remote Sensing Approaches for Monitoring Mangrove Species, Structure, and Biomass: Opportunities and Challenges. Remote Sensing, 2019, 11, 230.	4.0	147
120	Assessment of advanced random forest and decision tree algorithms for modeling rainfall-induced landslide susceptibility in the Izu-Oshima Volcanic Island, Japan. Science of the Total Environment, 2019, 662, 332-346.	8.0	378
121	Genetic and firefly metaheuristic algorithms for an optimized neuro-fuzzy prediction modeling of wildfire probability. Journal of Environmental Management, 2019, 243, 358-369.	7.8	69
122	A Novel Ensemble Artificial Intelligence Approach for Gully Erosion Mapping in a Semi-Arid Watershed (Iran). Sensors, 2019, 19, 2444.	3.8	86
123	Hybrid computational intelligence models for groundwater potential mapping. Catena, 2019, 182, 104101.	5.0	110
124	An Automated Python Language-Based Tool for Creating Absence Samples in Groundwater Potential Mapping. Remote Sensing, 2019, 11, 1375.	4.0	20
125	A Review of Remote Sensing Approaches for Monitoring Blue Carbon Ecosystems: Mangroves, Seagrassesand Salt Marshes during 2010â€“2018. Sensors, 2019, 19, 1933.	3.8	93
126	Development of artificial intelligence models for the prediction of Compression Coefficient of soil: An application of Monte Carlo sensitivity analysis. Science of the Total Environment, 2019, 679, 172-184.	8.0	128

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127	A new intelligence approach based on GIS-based Multivariate Adaptive Regression Splines and metaheuristic optimization for predicting flash flood susceptible areas at high-frequency tropical typhoon area. Journal of Hydrology, 2019, 575, 314-326.	5.4	76
128	Shallow Landslide Prediction Using a Novel Hybrid Functional Machine Learning Algorithm. Remote Sensing, 2019, 11, 931.	4.0	90
129	A novel hybrid approach based on a swarm intelligence optimized extreme learning machine for flash flood susceptibility mapping. Catena, 2019, 179, 184-196.	5.0	214
130	Evaluating GIS-Based Multiple Statistical Models and Data Mining for Earthquake and Rainfall-Induced Landslide Susceptibility Using the LiDAR DEM. Remote Sensing, 2019, 11, 638.	4.0	124
131	Uncertainties of prediction accuracy in shallow landslide modeling: Sample size and raster resolution. Catena, 2019, 178, 172-188.	5.0	107
132	Flash flood susceptibility modeling using an optimized fuzzy rule based feature selection technique and tree based ensemble methods. Science of the Total Environment, 2019, 668, 1038-1054.	8.0	195
133	Wildfire Probability Mapping: Bivariate vs. Multivariate Statistics. Remote Sensing, 2019, 11, 618.	4.0	52
134	Land subsidence modelling using tree-based machine learning algorithms. Science of the Total Environment, 2019, 672, 239-252.	8.0	99
135	PMT: New analytical framework for automated evaluation of geo-environmental modelling approaches. Science of the Total Environment, 2019, 664, 296-311.	8.0	84
136	Hybrid Machine Learning Approaches for Landslide Susceptibility Modeling. Forests, 2019, 10, 157.	2.1	136
137	Spatial pattern analysis and prediction of forest fire using new machine learning approach of Multivariate Adaptive Regression Splines and Differential Flower Pollination optimization: A case study at Lao Cai province (Viet Nam). Journal of Environmental Management, 2019, 237, 476-487.	7.8	87
138	A New Approach of Hybrid Bee Colony Optimized Neural Computing to Estimate the Soil Compression Coefficient for a Housing Construction Project. Applied Sciences (Switzerland), 2019, 9, 4912.	2.5	15
139	GIS-Based Site Selection for Check Dams in Watersheds: Considering Geomorphometric and Topo-Hydrological Factors. Sustainability, 2019, 11, 5639.	3.2	53
140	Spotted Hyena Optimizer and Ant Lion Optimization in Predicting the Shear Strength of Soil. Applied Sciences (Switzerland), 2019, 9, 4738.	2.5	26
141	Spatial Modeling of Snow Avalanche Using Machine Learning Models and Geo-Environmental Factors: Comparison of Effectiveness in Two Mountain Regions. Remote Sensing, 2019, 11, 2995.	4.0	44
142	Proposing a Novel Predictive Technique for Gully Erosion Susceptibility Mapping in Arid and Semi-arid Regions (Iran). Remote Sensing, 2019, 11, 2577.	4.0	49
143	Urban Flood Hazard Modeling Using Self-Organizing Map Neural Network. Water (Switzerland), 2019, 11, 2370.	2.7	38
144	A Novel Intelligence Approach of a Sequential Minimal Optimization-Based Support Vector Machine for Landslide Susceptibility Mapping. Sustainability, 2019, 11, 6323.	3.2	37

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145	A Novel Ensemble Approach for Landslide Susceptibility Mapping (LSM) in Darjeeling and Kalimpong Districts, West Bengal, India. Remote Sensing, 2019, 11, 2866.	4.0	130
146	Adaptive Network Based Fuzzy Inference System with Meta-Heuristic Optimizations for International Roughness Index Prediction. Applied Sciences (Switzerland), 2019, 9, 4715.	2.5	55
147	Neural Computing Improvement Using Four Metaheuristic Optimizers in Bearing Capacity Analysis of Footings Settled on Two-Layer Soils. Applied Sciences (Switzerland), 2019, 9, 5264.	2.5	17
148	Application of Probabilistic and Machine Learning Models for Groundwater Potentiality Mapping in Damghan Sedimentary Plain, Iran. Remote Sensing, 2019, 11, 3015.	4.0	46
149	Two novel neural-evolutionary predictive techniques of dragonfly algorithm (DA) and biogeography-based optimization (BBO) for landslide susceptibility analysis. Geomatics, Natural Hazards and Risk, 2019, 10, 2429-2453.	4.3	16
150	Reliability Analysis of Slope Safety Factor by Using GPR and GP. Geotechnical and Geological Engineering, 2019, 37, 2245-2254.	1.7	13
151	A swarm intelligence-based machine learning approach for predicting soil shear strength for road construction: a case study at Trung Luong National Expressway Project (Vietnam). Engineering With Computers, 2019, 35, 955-965.	6.1	53
152	A novel ensemble modeling approach for the spatial prediction of tropical forest fire susceptibility using LogitBoost machine learning classifier and multi-source geospatial data. Theoretical and Applied Climatology, 2019, 137, 637-653.	2.8	119
153	Landslide susceptibility modeling using Reduced Error Pruning Trees and different ensemble techniques: Hybrid machine learning approaches. Catena, 2019, 175, 203-218.	5.0	229
154	A Hybrid GIS Multi-Criteria Decision-Making Method for Flood Susceptibility Mapping at Shangyou, China. Remote Sensing, 2019, 11, 62.	4.0	110
155	Reducing the impacts of intra-class spectral variability on the accuracy of soft classification and super-resolution mapping of shoreline. International Journal of Remote Sensing, 2019, 40, 3384-3400.	2.9	1
156	Landslide susceptibility assessment at the Wuning area, China: a comparison between multi-criteria decision making, bivariate statistical and machine learning methods. Natural Hazards, 2019, 96, 173-212.	3.4	94
157	Meta optimization of an adaptive neuro-fuzzy inference system with grey wolf optimizer and biogeography-based optimization algorithms for spatial prediction of landslide susceptibility. Catena, 2019, 175, 430-445.	5.0	199
158	Soil Salinity Mapping Using SAR Sentinel-1 Data and Advanced Machine Learning Algorithms: A Case Study at Ben Tre Province of the Mekong River Delta (Vietnam). Remote Sensing, 2019, 11, 128.	4.0	86
159	A novel artificial intelligence approach based on Multi-layer Perceptron Neural Network and Biogeography-based Optimization for predicting coefficient of consolidation of soil. Catena, 2019, 173, 302-311.	5.0	143
160	Spatial prediction of landslide susceptibility using data mining-based kernel logistic regression, naive Bayes and RBFNetwork models for the Long County area (China). Bulletin of Engineering Geology and the Environment, 2019, 78, 247-266.	3.5	122
161	A novel hybrid intelligent model of support vector machines and the MultiBoost ensemble for landslide susceptibility modeling. Bulletin of Engineering Geology and the Environment, 2019, 78, 2865-2886.	3.5	163
162	Development of an Artificial Intelligence Approach for Prediction of Consolidation Coefficient of Soft Soil: A Sensitivity Analysis. Open Construction and Building Technology Journal, 2019, 13, 178-188.	0.7	32

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163	GIS-based landslide susceptibility evaluation using a novel hybrid integration approach of bivariate statistical based random forest method. Catena, 2018, 164, 135-149.	5.0	207
164	Optimized rule-based logistic model tree algorithm for mapping mangrove species using ALOS PALSAR imagery and GIS in the tropical region. Environmental Earth Sciences, 2018, 77, 1.	2.7	32
165	Spatial prediction of rainfall-induced shallow landslides using gene expression programming integrated with GIS: a case study in Vietnam. Natural Hazards, 2018, 92, 1871-1887.	3.4	27
166	Prediction of shear strength of soft soil using machine learning methods. Catena, 2018, 166, 181-191.	5.0	146
167	Bagging based Support Vector Machines for spatial prediction of landslides. Environmental Earth Sciences, 2018, 77, 1.	2.7	97
168	A comparative assessment of decision trees algorithms for flash flood susceptibility modeling at Haraz watershed, northern Iran. Science of the Total Environment, 2018, 627, 744-755.	8.0	494
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