

Saro Lee

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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.

186
papers

13,513
citations

65
h-index

112
g-index

204
ext. papers

16,032
ext. citations

3.7
avg, IF

7.28
L-index

#	Paper	IF	Citations
186	Landslide hazard mapping at Selangor, Malaysia using frequency ratio and logistic regression models. <i>Landslides</i> , 2007 , 4, 33-41	6.6	607
185	Landslide susceptibility assessment and factor effect analysis: backpropagation artificial neural networks and their comparison with frequency ratio and bivariate logistic regression modelling. <i>Environmental Modelling and Software</i> , 2010 , 25, 747-759	5.2	596
184	Statistical analysis of landslide susceptibility at Yongin, Korea. <i>Environmental Geology</i> , 2001 , 40, 1095-1113		483
183	Delineation of landslide hazard areas on Penang Island, Malaysia, by using frequency ratio, logistic regression, and artificial neural network models. <i>Environmental Earth Sciences</i> , 2010 , 60, 1037-1054	2.9	423
182	Application of logistic regression model and its validation for landslide susceptibility mapping using GIS and remote sensing data. <i>International Journal of Remote Sensing</i> , 2005 , 26, 1477-1491	3.1	421
181	Determination and application of the weights for landslide susceptibility mapping using an artificial neural network. <i>Engineering Geology</i> , 2004 , 71, 289-302	6	409
180	Landslide susceptibility mapping in the Damrei Romel area, Cambodia using frequency ratio and logistic regression models. <i>Environmental Geology</i> , 2006 , 50, 847-855		349
179	Probabilistic landslide susceptibility and factor effect analysis. <i>Environmental Geology</i> , 2005 , 47, 982-990		325
178	Regional landslide susceptibility analysis using back-propagation neural network model at Cameron Highland, Malaysia. <i>Landslides</i> , 2010 , 7, 13-30	6.6	305
177	GIS mapping of regional probabilistic groundwater potential in the area of Pohang City, Korea. <i>Journal of Hydrology</i> , 2011 , 399, 158-172	6	274
176	Application of an evidential belief function model in landslide susceptibility mapping. <i>Computers and Geosciences</i> , 2012 , 44, 120-135	4.5	244
175	Probabilistic landslide hazards and risk mapping on Penang Island, Malaysia. <i>Journal of Earth System Science</i> , 2006 , 115, 661-672	1.8	240
174	Combining landslide susceptibility maps obtained from frequency ratio, logistic regression, and artificial neural network models using ASTER images and GIS. <i>Engineering Geology</i> , 2012 , 124, 12-23	6	189
173	Application of probabilistic-based frequency ratio model in groundwater potential mapping using remote sensing data and GIS. <i>Arabian Journal of Geosciences</i> , 2014 , 7, 711-724	1.8	182
172	Landslide susceptibility analysis using GIS and artificial neural network. <i>Earth Surface Processes and Landforms</i> , 2003 , 28, 1361-1376	3.7	175
171	Landslide susceptibility analysis and its verification using likelihood ratio, logistic regression, and artificial neural network models: case study of Youngin, Korea. <i>Landslides</i> , 2007 , 4, 327-338	6.6	168
170	A GIS-based back-propagation neural network model and its cross-application and validation for landslide susceptibility analyses. <i>Computers, Environment and Urban Systems</i> , 2010 , 34, 216-235	5.9	167

169	Landslide susceptibility maps comparing frequency ratio and artificial neural networks: a case study from the Nepal Himalaya. <i>Environmental Earth Sciences</i> , 2010 , 61, 1049-1064	2.9	167
168	Probabilistic landslide hazard mapping using GIS and remote sensing data at Boun, Korea. <i>International Journal of Remote Sensing</i> , 2004 , 25, 2037-2052	3.1	167
167	Application and verification of fuzzy algebraic operators to landslide susceptibility mapping. <i>Environmental Geology</i> , 2007 , 52, 615-623		164
166	Landslide susceptibility analysis and verification using the Bayesian probability model. <i>Environmental Geology</i> , 2002 , 43, 120-131		162
165	Flood susceptibility mapping using integrated bivariate and multivariate statistical models. <i>Environmental Earth Sciences</i> , 2014 , 72, 4001-4015	2.9	148
164	Application of a weights-of-evidence method and GIS to regional groundwater productivity potential mapping. <i>Journal of Environmental Management</i> , 2012 , 96, 91-105	7.9	148
163	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
162	Landslide susceptibility mapping using GIS and the weight-of-evidence model. <i>International Journal of Geographical Information Science</i> , 2004 , 18, 789-814	4.1	142
161	Spatial prediction of flood susceptibility using random-forest and boosted-tree models in Seoul metropolitan city, Korea. <i>Geomatics, Natural Hazards and Risk</i> , 2017 , 8, 1185-1203	3.6	135
160	Use of an artificial neural network for analysis of the susceptibility to landslides at Boun, Korea. <i>Environmental Geology</i> , 2003 , 44, 820-833		129
159	Probabilistic landslide susceptibility mapping in the Lai Chau province of Vietnam: focus on the relationship between tectonic fractures and landslides. <i>Environmental Geology</i> , 2005 , 48, 778-787		125
158	Landslide susceptibility mapping using random forest and boosted tree models in Pyeong-Chang, Korea. <i>Geocarto International</i> , 2018 , 33, 1000-1015	2.7	118
157	Application of likelihood ratio and logistic regression models to landslide susceptibility mapping using GIS. <i>Environmental Management</i> , 2004 , 34, 223-32	3.1	113
156	Use of geospatial data and fuzzy algebraic operators to landslide-hazard mapping. <i>Applied Geomatics</i> , 2009 , 1, 3-15	2.2	108
155	Application of convolutional neural networks featuring Bayesian optimization for landslide susceptibility assessment. <i>Catena</i> , 2020 , 186, 104249	5.8	105
154	Spatial analysis of groundwater potential using weights-of-evidence and evidential belief function models and remote sensing. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	104
153	Earthquake-induced landslide-susceptibility mapping using an artificial neural network. <i>Natural Hazards and Earth System Sciences</i> , 2006 , 6, 687-695	3.9	103
152	Modelling gully-erosion susceptibility in a semi-arid region, Iran: Investigation of applicability of certainty factor and maximum entropy models. <i>Science of the Total Environment</i> , 2019 , 655, 684-696	10.2	103

151	Application of data-driven evidential belief functions to landslide susceptibility mapping in Jinbu, Korea. <i>Catena</i> , 2013 , 100, 15-30	5.8	99
150	Detecting the intertidal morphologic change using satellite data. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 78, 623-632	2.9	99
149	Soil erosion assessment and its verification using the Universal Soil Loss Equation and Geographic Information System: a case study at Boun, Korea. <i>Environmental Geology</i> , 2004 , 45, 457-465		99
148	Regional groundwater productivity potential mapping using a geographic information system (GIS) based artificial neural network model. <i>Hydrogeology Journal</i> , 2012 , 20, 1511-1527	3.1	97
147	GIS-based groundwater potential mapping using artificial neural network and support vector machine models: the case of Boryeong city in Korea. <i>Geocarto International</i> , 2018 , 33, 847-861	2.7	96
146	Landslide susceptibility mapping by correlation between topography and geological structure: the Janghung area, Korea. <i>Geomorphology</i> , 2002 , 46, 149-162	4.3	96
145	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
144	Application of Ensemble-Based Machine Learning Models to Landslide Susceptibility Mapping. <i>Remote Sensing</i> , 2018 , 10, 1252	5	94
143	Land Subsidence Susceptibility Mapping in South Korea Using Machine Learning Algorithms. <i>Sensors</i> , 2018 , 18,	3.8	89
142	Remote Sensing and GIS-based Landslide Susceptibility Analysis and its Cross-validation in Three Test Areas Using a Frequency Ratio Model. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2010 , 2010, 17-32		88
141	Assessment of ground subsidence hazard near an abandoned underground coal mine using GIS. <i>Environmental Geology</i> , 2006 , 50, 1183-1191		88
140	Landslide Susceptibility Assessment by Novel Hybrid Machine Learning Algorithms. <i>Sustainability</i> , 2019 , 11, 4386	3.6	87
139	Assessment of ground subsidence using GIS and the weights-of-evidence model. <i>Engineering Geology</i> , 2010 , 115, 36-48	6	83
138	Landslide Susceptibility Mapping Using Different GIS-Based Bivariate Models. <i>Water (Switzerland)</i> , 2019 , 11, 1402	3	82
137	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
136	Utilization of Optical Remote Sensing Data and GIS Tools for Regional Landslide Hazard Analysis Using an Artificial Neural Network Model. <i>Earth Science Frontiers</i> , 2007 , 14, 143-151		79
135	GIS-based gully erosion susceptibility mapping: a comparison among three data-driven models and AHP knowledge-based technique. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	78
134	A GIS-based logistic regression model in rock-fall susceptibility mapping along a mountainous road: Salavat Abad case study, Kurdistan, Iran. <i>Natural Hazards</i> , 2012 , 64, 1639-1656	3	77

133	Spatial prediction of groundwater potential mapping based on convolutional neural network (CNN) and support vector regression (SVR). <i>Journal of Hydrology</i> , 2020 , 588, 125033	6	76
132	A novel integrated model for assessing landslide susceptibility mapping using CHAID and AHP pair-wise comparison. <i>International Journal of Remote Sensing</i> , 2016 , 37, 1190-1209	3.1	75
131	A Support Vector Machine for Landslide Susceptibility Mapping in Gangwon Province, Korea. <i>Sustainability</i> , 2017 , 9, 48	3.6	75
130	Validation of an artificial neural network model for landslide susceptibility mapping. <i>Environmental Earth Sciences</i> , 2010 , 60, 473-483	2.9	71
129	Evaluation of deep learning algorithms for national scale landslide susceptibility mapping of Iran. <i>Geoscience Frontiers</i> , 2021 , 12, 505-519	6	70
128	Comparison of landslide susceptibility maps generated through multiple logistic regression for three test areas in Korea. <i>Earth Surface Processes and Landforms</i> , 2007 , 32, 2133-2148	3.7	68
127	Predictive landslide susceptibility mapping using spatial information in the Pechabun area of Thailand. <i>Environmental Geology</i> , 2009 , 57, 641		67
126	The effect of spatial resolution on the accuracy of landslide susceptibility mapping: a case study in Boun, Korea. <i>Geosciences Journal</i> , 2004 , 8, 51-60	1.4	67
125	Landslide susceptibility modeling based on ANFIS with teaching-learning-based optimization and Satin bowerbird optimizer. <i>Geoscience Frontiers</i> , 2021 , 12, 93-107	6	67
124	A Novel Integrated Approach of Relevance Vector Machine Optimized by Imperialist Competitive Algorithm for Spatial Modeling of Shallow Landslides. <i>Remote Sensing</i> , 2018 , 10, 1538	5	67
123	Spatial prediction of ground subsidence susceptibility using an artificial neural network. <i>Environmental Management</i> , 2012 , 49, 347-58	3.1	66
122	Application of decision tree model for the ground subsidence hazard mapping near abandoned underground coal mines. <i>Journal of Environmental Management</i> , 2013 , 127, 166-76	7.9	66
121	Detecting landslide location using KOMPSAT 1 and its application to landslide-susceptibility mapping at the Gangneung area, Korea. <i>Advances in Space Research</i> , 2006 , 38, 2261-2271	2.4	65
120	The Application of Artificial Neural Networks to Landslide Susceptibility Mapping at Janghung, Korea. <i>Mathematical Geosciences</i> , 2006 , 38, 199-220		65
119	Application of a fuzzy operator to susceptibility estimations of coal mine subsidence in Taebaek City, Korea. <i>Environmental Earth Sciences</i> , 2010 , 59, 1009-1022	2.9	64
118	Development of GIS-based geological hazard information system and its application for landslide analysis in Korea. <i>Geosciences Journal</i> , 2003 , 7, 243-252	1.4	61
117	Evaluation of waste disposal site using the DRASTIC system in Southern Korea. <i>Environmental Geology</i> , 2003 , 44, 654-664		61
116	New Ensemble Models for Shallow Landslide Susceptibility Modeling in a Semi-Arid Watershed. <i>Forests</i> , 2019 , 10, 743	2.8	60

115	A Novel Ensemble Artificial Intelligence Approach for Gully Erosion Mapping in a Semi-Arid Watershed (Iran). <i>Sensors</i> , 2019 , 19,	3.8	60
114	Landslide susceptibility mapping on Panaon Island, Philippines using a geographic information system. <i>Environmental Earth Sciences</i> , 2011 , 62, 935-951	2.9	60
113	Shallow Landslide Prediction Using a Novel Hybrid Functional Machine Learning Algorithm. <i>Remote Sensing</i> , 2019 , 11, 931	5	58
112	Quantitative landslide susceptibility mapping at Pemalang area, Indonesia. <i>Environmental Earth Sciences</i> , 2010 , 60, 1317-1328	2.9	57
111	Prediction of ground subsidence in Samcheok City, Korea using artificial neural networks and GIS. <i>Environmental Geology</i> , 2009 , 58, 61-70		56
110	Spatial prediction of landslide susceptibility using hybrid support vector regression (SVR) and the adaptive neuro-fuzzy inference system (ANFIS) with various metaheuristic algorithms. <i>Science of the Total Environment</i> , 2020 , 741, 139937	10.2	55
109	Social Vulnerability Assessment Using Artificial Neural Network (ANN) Model for Earthquake Hazard in Tabriz City, Iran. <i>Sustainability</i> , 2018 , 10, 3376	3.6	55
108	Application of Artificial Neural Network for GoldSilver Deposits Potential Mapping: A Case Study of Korea. <i>Natural Resources Research</i> , 2010 , 19, 103-124	4.9	54
107	Statistical models for the assessment of nitrate contamination in urban groundwater using GIS. <i>Environmental Geology</i> , 2003 , 44, 210-221		54
106	Enhancing Prediction Performance of Landslide Susceptibility Model Using Hybrid Machine Learning Approach of Bagging Ensemble and Logistic Model Tree. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1046	2.6	54
105	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
104	Application of Decision-Tree Model to Groundwater Productivity-Potential Mapping. <i>Sustainability</i> , 2015 , 7, 13416-13432	3.6	53
103	Groundwater productivity potential mapping using evidential belief function. <i>Ground Water</i> , 2014 , 52 Suppl 1, 201-7	2.4	48
102	Assessment of Landslide-Prone Areas and Their Zonation Using Logistic Regression, LogitBoost, and NaïveBayes Machine-Learning Algorithms. <i>Sustainability</i> , 2018 , 10, 3697	3.6	48
101	Ensemble-based landslide susceptibility maps in Jinbu area, Korea. <i>Environmental Earth Sciences</i> , 2012 , 67, 23-37	2.9	47
100	Landslide Susceptibility Mapping and Comparison Using Decision Tree Models: A Case Study of Jumunjin Area, Korea. <i>Remote Sensing</i> , 2018 , 10, 1545	5	47
99	Development of a Novel Hybrid Intelligence Approach for Landslide Spatial Prediction. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2824	2.6	45
98	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. <i>Water (Switzerland)</i> , 2019 , 11, 2013	3	45

97	Integration of ground subsidence hazard maps of abandoned coal mines in Samcheok, Korea. <i>International Journal of Coal Geology</i> , 2011 , 86, 58-72	5.5	45
96	Self-Learning Random Forests Model for Mapping Groundwater Yield in Data-Scarce Areas. <i>Natural Resources Research</i> , 2019 , 28, 757-775	4.9	45
95	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
94	Shallow Landslide Susceptibility Modeling Using the Data Mining Models Artificial Neural Network and Boosted Tree. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1000	2.6	41
93	Forecasting and validation of landslide susceptibility using an integration of frequency ratio and neuro-fuzzy models: a case study of Seorak mountain area in Korea. <i>Environmental Earth Sciences</i> , 2015 , 74, 413-429	2.9	41
92	Novel Ensemble of MCDM-Artificial Intelligence Techniques for Groundwater-Potential Mapping in Arid and Semi-Arid Regions (Iran). <i>Remote Sensing</i> , 2020 , 12, 490	5	41
91	GIS Multi-Criteria Analysis by Ordered Weighted Averaging (OWA): Toward an Integrated Citrus Management Strategy. <i>Sustainability</i> , 2019 , 11, 1009	3.6	39
90	Groundwater Potential Mapping Using Remote Sensing and GIS-Based Machine Learning Techniques. <i>Remote Sensing</i> , 2020 , 12, 1200	5	39
89	Spatial prediction of landslide susceptibility using a decision tree approach: a case study of the Pyeongchang area, Korea. <i>International Journal of Remote Sensing</i> , 2014 , 35, 6089-6112	3.1	39
88	Application of an adaptive neuro-fuzzy inference system to ground subsidence hazard mapping. <i>Computers and Geosciences</i> , 2012 , 48, 228-238	4.5	38
87	Landslide susceptibility mapping using an artificial neural network in the Gangneung area, Korea. <i>International Journal of Remote Sensing</i> , 2007 , 28, 4763-4783	3.1	37
86	Novel hybrid intelligence models for flood-susceptibility prediction: Meta optimization of the GMDH and SVR models with the genetic algorithm and harmony search. <i>Journal of Hydrology</i> , 2020 , 590, 125423	6	37
85	Sensitivity analysis for the GIS-based mapping of the ground subsidence hazard near abandoned underground coal mines. <i>Environmental Earth Sciences</i> , 2011 , 64, 347-358	2.9	36
84	Cross-application used to validate landslide susceptibility maps using a probabilistic model from Korea. <i>Environmental Earth Sciences</i> , 2011 , 64, 395-409	2.9	36
83	Utilization of optical remote sensing data and geographic information system tools for regional landslide hazard analysis by using binomial logistic regression model. <i>Journal of Applied Remote Sensing</i> , 2008 , 2, 023542	1.4	36
82	Spatial Assessment of Urban Flood Susceptibility Using Data Mining and Geographic Information System (GIS) Tools. <i>Sustainability</i> , 2018 , 10, 648	3.6	35
81	Prediction of landslides using ASTER imagery and data mining models. <i>Advances in Space Research</i> , 2012 , 49, 978-993	2.4	35
80	Application and cross-validation of spatial logistic multiple regression for landslide susceptibility analysis. <i>Geosciences Journal</i> , 2005 , 9, 63-71	1.4	35

79	Spatial Landslide Hazard Prediction Using Rainfall Probability and a Logistic Regression Model. <i>Mathematical Geosciences</i> , 2015 , 47, 565-589	2.5	34
78	Application of extreme gradient boosting and parallel random forest algorithms for assessing groundwater spring potential using DEM-derived factors. <i>Journal of Hydrology</i> , 2020 , 589, 125197	6	34
77	Ensemble of Machine-Learning Methods for Predicting Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 3675	5	34
76	Groundwater aquifer potential modeling using an ensemble multi-adoptive boosting logistic regression technique. <i>Journal of Hydrology</i> , 2019 , 579, 124172	6	32
75	Evaluation of landslide susceptibility mapping by evidential belief function, logistic regression and support vector machine models. <i>Geomatics, Natural Hazards and Risk</i> , 2018 , 9, 1053-1070	3.6	32
74	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3495	2.6	31
73	Spatial prediction of landslide susceptibility in western Serbia using hybrid support vector regression (SVR) with GWO, BAT and COA algorithms. <i>Geoscience Frontiers</i> , 2021 , 12, 101104	6	30
72	Land Subsidence Susceptibility Mapping Using Bayesian, Functional, and Meta-Ensemble Machine Learning Models. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1248	2.6	29
71	Extraction of landslide-related factors from ASTER imagery and its application to landslide susceptibility mapping. <i>International Journal of Remote Sensing</i> , 2012 , 33, 3211-3231	3.1	29
70	Spatial Mapping of the Groundwater Potential of the Geum River Basin Using Ensemble Models Based on Remote Sensing Images. <i>Remote Sensing</i> , 2019 , 11, 2285	5	29
69	Detection of landslides using web-based aerial photographs and landslide susceptibility mapping using geospatial analysis. <i>International Journal of Remote Sensing</i> , 2012 , 33, 4937-4966	3.1	28
68	An ensemble model for landslide susceptibility mapping in a forested area. <i>Geocarto International</i> , 2020 , 35, 1680-1705	2.7	28
67	Novel Machine Learning Approaches for Modelling the Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 2833	5	27
66	Landslide susceptibility mapping using Naïve Bayes and Bayesian network models in Umyeonsan, Korea. <i>Geocarto International</i> , 2020 , 35, 1665-1679	2.7	26
65	Landslide-susceptibility mapping in Gangwon-do, South Korea, using logistic regression and decision tree models. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	25
64	Novel Credal Decision Tree-Based Ensemble Approaches for Predicting the Landslide Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 3389	5	25
63	Ensemble of ground subsidence hazard maps using fuzzy logic. <i>Open Geosciences</i> , 2014 , 6,	1.3	24
62	Landslide hazard mapping considering rainfall probability in Inje, Korea. <i>Geomatics, Natural Hazards and Risk</i> , 2016 , 7, 424-446	3.6	23

61	Deep learning neural networks for spatially explicit prediction of flash flood probability. <i>Geoscience Frontiers</i> , 2021 , 12, 101076	6	22
60	Landslide Susceptibility Assessment Using Frequency Ratio Technique with Iterative Random Sampling. <i>Journal of Sensors</i> , 2017 , 2017, 1-21	2	21
59	Spatial and temporal change in landslide hazard by future climate change scenarios using probabilistic-based frequency ratio model. <i>Geocarto International</i> , 2014 , 29, 639-662	2.7	21
58	Landslide detection and susceptibility mapping in the Sagimakri area, Korea using KOMPSAT-1 and weight of evidence technique. <i>Environmental Earth Sciences</i> , 2013 , 70, 3197-3215	2.9	20
57	Integration of a subsidence model and SAR interferometry for a coal mine subsidence hazard map in Taebaek, Korea. <i>International Journal of Remote Sensing</i> , 2011 , 32, 8161-8181	3.1	20
56	Convolutional neural network approach for spatial prediction of flood hazard at national scale of Iran. <i>Journal of Hydrology</i> , 2020 , 591, 125552	6	20
55	Prediction of gully erosion susceptibility mapping using novel ensemble machine learning algorithms. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 469-498	3.6	19
54	Spatial model integration for shallow landslide susceptibility and its runout using a GIS-based approach in Yongin, Korea. <i>Geocarto International</i> , 2017 , 32, 420-441	2.7	18
53	Novel Ensemble of Multivariate Adaptive Regression Spline with Spatial Logistic Regression and Boosted Regression Tree for Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 3284	5	17
52	The spatial prediction of landslide susceptibility applying artificial neural network and logistic regression models: A case study of Inje, Korea. <i>Open Geosciences</i> , 2016 , 8,	1.3	17
51	Spatial relationships between radon and topographical, geological, and geochemical factors and their relevance in all of South Korea. <i>Environmental Earth Sciences</i> , 2015 , 74, 5155-5168	2.9	17
50	Crustacean habitat potential mapping in a tidal flat using remote sensing and GIS. <i>Ecological Modelling</i> , 2011 , 222, 1522-1533	3	17
49	Toward the development of deep-learning analyses for snow avalanche releases in Mountain regions. <i>Geocarto International</i> , 1-25	2.7	16
48	Urban flood modeling using deep-learning approaches in Seoul, South Korea. <i>Journal of Hydrology</i> , 2021 , 601, 126684	6	16
47	An Automated Python Language-Based Tool for Creating Absence Samples in Groundwater Potential Mapping. <i>Remote Sensing</i> , 2019 , 11, 1375	5	15
46	Regional Probabilistic and Statistical Mineral Potential Mapping of Gold/Silver Deposits Using GIS in the Gangneung Area, Korea. <i>Resource Geology</i> , 2008 , 58, 171-187	1	15
45	Application of Support Vector Regression and Metaheuristic Optimization Algorithms for Groundwater Potential Mapping in Gangneung-si, South Korea. <i>Remote Sensing</i> , 2021 , 13, 1196	5	15
44	Groundwater productivity potential mapping using frequency ratio and evidential belief function and artificial neural network models: focus on topographic factors. <i>Journal of Hydroinformatics</i> , 2018 , 20, 1436-1451	2.6	14

43	Ensemble-Based Landslide Susceptibility Maps in Jinbu Area, Korea 2012 , 193-220		14
42	Macrobenthos habitat potential mapping using GIS-based artificial neural network models. <i>Marine Pollution Bulletin</i> , 2013 , 67, 177-86	6.7	13
41	Macrobenthos habitat mapping in a tidal flat using remotely sensed data and a GIS-based probabilistic model. <i>Marine Pollution Bulletin</i> , 2011 , 62, 564-72	6.7	13
40	Flood spatial prediction modeling using a hybrid of meta-optimization and support vector regression modeling. <i>Catena</i> , 2021 , 199, 105114	5.8	13
39	Spatial prediction of urban landslide susceptibility based on topographic factors using boosted trees. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	13
38	Convolutional neural network (CNN) with metaheuristic optimization algorithms for landslide susceptibility mapping in Icheon, South Korea.. <i>Journal of Environmental Management</i> , 2021 , 305, 114367-9	7.9	11
37	Evaluating unconfined compressive strength of cohesive soils stabilized with geopolymer: a computational intelligence approach. <i>Engineering With Computers</i> , 2019 , 35, 191-199	4.5	11
36	Flash-flood hazard susceptibility mapping in Kangsabati River Basin, India. <i>Geocarto International</i> , 1-23	2.7	10
35	Landslide Susceptibility Assessment Using an Optimized Group Method of Data Handling Model. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 566	2.9	9
34	Debris flows modeling using geo-environmental factors: developing hybridized deep-learning algorithms. <i>Geocarto International</i> , 1-25	2.7	9
33	Geographic Information System (GIS) based stability analysis of rock cut slopes. <i>Geosciences Journal</i> , 2004 , 8, 391-400	1.4	8
32	Analysis of the relationships between topographic factors and landslide occurrence and their application to landslide susceptibility mapping: a case study of Mingchukur, Uzbekistan. <i>Geosciences Journal</i> , 2018 , 22, 1053-1067	1.4	8
31	Spatial polychaeta habitat potential mapping using probabilistic models. <i>Estuarine, Coastal and Shelf Science</i> , 2011 , 93, 98-105	2.9	7
30	Relationship between mn nodule abundance and other geological factors in the northeastern pacific: Application of gis and probability method. <i>Ocean Science Journal</i> , 2006 , 41, 149-161	1.1	7
29	Susceptibility Mapping on Urban Landslides Using Deep Learning Approaches in Mt. Umyeon. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8189	2.6	7
28	Predictive radon potential mapping in groundwater: a case study in Yongin, Korea. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	6
27	Open image in new windowIntroduction: Hazard Mapping 2014 , 395-396		6
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