Saro Lee

List of Publications by Year in Descending Order

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	Convolutional neural network and long short-term memory algorithms for groundwater potential mapping in Anseong, South Korea. *Journal of Hydrology: Regional Studies*, **2022**, 39, 100990	3.6	4
185	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	7.5	4
184	Application of the group method of data handling (GMDH) approach for landslide susceptibility zonation using readily available spatial covariates. *Catena*, **2022**, 208, 105779	5.8	5
183	Radon potential mapping in Jangsu-gun, South Korea using probabilistic and deep learning algorithms. *Environmental Pollution*, **2022**, 292, 118385	9.3	1
182	Mapping of landslide potential in Pyeongchang-gun, South Korea, using machine learning meta-based optimization algorithms. *Egyptian Journal of Remote Sensing and Space Science*, **2022**, 25, 463-472	3.4	1
181	Urban search and rescue (USAR) simulation system: spatial strategies for agent task allocation under uncertain conditions. *Natural Hazards and Earth System Sciences*, **2021**, 21, 3449-3463	3.9	0
180	Convolutional neural network (CNN) with metaheuristic optimization algorithms for landslide susceptibility mapping in Icheon, South Korea.. *Journal of Environmental Management*, **2021**, 305, 114367	7.9	11
179	Application of Support Vector Regression and Metaheuristic Optimization Algorithms for Groundwater Potential Mapping in Gangneung-si, South Korea. *Remote Sensing*, **2021**, 13, 1196	5	15
178	Flood spatial prediction modeling using a hybrid of meta-optimization and support vector regression modeling. *Catena*, **2021**, 199, 105114	5.8	13
177	Performance Evaluation of GIS-Based Novel Ensemble Approaches for Land Subsidence Susceptibility Mapping. *Frontiers in Earth Science*, **2021**, 9,	3.5	5
176	Spatial prediction of landslide susceptibility in western Serbia using hybrid support vector regression (SVR) with GWO, BAT and COA algorithms. *Geoscience Frontiers*, **2021**, 12, 101104	6	30
175	Tracking and Evaluating the Concentrations of Natural Radioactivity According to Chemical Composition in the Precambrian and Mesozoic Granitic Rocks in the Jangsu-gun Area, Central Southwestern South Korea. *Minerals (Basel, Switzerland)*, **2021**, 11, 684	2.4	1
174	Landslide susceptibility modeling based on ANFIS with teaching-learning-based optimization and Satin bowerbird optimizer. *Geoscience Frontiers*, **2021**, 12, 93-107	6	67
173	Evaluation of deep learning algorithms for national scale landslide susceptibility mapping of Iran. *Geoscience Frontiers*, **2021**, 12, 505-519	6	70
172	Deep learning neural networks for spatially explicit prediction of flash flood probability. *Geoscience Frontiers*, **2021**, 12, 101076	6	22
171	Prediction of gully erosion susceptibility mapping using novel ensemble machine learning algorithms. *Geomatics, Natural Hazards and Risk*, **2021**, 12, 469-498	3.6	19
170	Modeling groundwater potential using novel GIS-based machine-learning ensemble techniques. *Journal of Hydrology: Regional Studies*, **2021**, 36, 100848	3.6	6

#	Reference		
169	Urban flood modeling using deep-learning approaches in Seoul, South Korea. *Journal of Hydrology*, **2021**, 601, 126684	6	16
168	Assessment of Urban Infrastructures Exposed to Flood Using Susceptibility Map and Google Earth Engine. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2021**, 14, 1923-1937	4.7	6
167	Hybrids of Support Vector Regression with Grey Wolf Optimizer and Firefly Algorithm for Spatial Prediction of Landslide Susceptibility. *Remote Sensing*, **2021**, 13, 4966	5	6
166	Novel Ensemble of Multivariate Adaptive Regression Spline with Spatial Logistic Regression and Boosted Regression Tree for Gully Erosion Susceptibility. *Remote Sensing*, **2020**, 12, 3284	5	17
165	Spatial prediction of groundwater potential mapping based on convolutional neural network (CNN) and support vector regression (SVR). *Journal of Hydrology*, **2020**, 588, 125033	6	76
164	Application of extreme gradient boosting and parallel random forest algorithms for assessing groundwater spring potential using DEM-derived factors. *Journal of Hydrology*, **2020**, 589, 125197	6	34
163	Spatial prediction of landslide susceptibility using hybrid support vector regression (SVR) and the adaptive neuro-fuzzy inference system (ANFIS) with various metaheuristic algorithms. *Science of the Total Environment*, **2020**, 741, 139937	10.2	55
162	GIS-Based Gully Erosion Susceptibility Mapping: A Comparison of Computational Ensemble Data Mining Models. *Applied Sciences (Switzerland)*, **2020**, 10, 2039	2.6	44
161	Groundwater Potential Mapping Using Remote Sensing and GIS-Based Machine Learning Techniques. *Remote Sensing*, **2020**, 12, 1200	5	39
160	Shallow Landslide Susceptibility Mapping by Random Forest Base Classifier and Its Ensembles in a Semi-Arid Region of Iran. *Forests*, **2020**, 11, 421	2.8	53
159	Novel Ensemble of MCDM-Artificial Intelligence Techniques for Groundwater-Potential Mapping in Arid and Semi-Arid Regions (Iran). *Remote Sensing*, **2020**, 12, 490	5	41
158	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	6	37
157	Landslide Susceptibility Assessment Using an Optimized Group Method of Data Handling Model. *ISPRS International Journal of Geo-Information*, **2020**, 9, 566	2.9	9
156	Novel Credal Decision Tree-Based Ensemble Approaches for Predicting the Landslide Susceptibility. *Remote Sensing*, **2020**, 12, 3389	5	25
155	Ensemble of Machine-Learning Methods for Predicting Gully Erosion Susceptibility. *Remote Sensing*, **2020**, 12, 3675	5	34
154	Susceptibility Mapping on Urban Landslides Using Deep Learning Approaches in Mt. Umyeon. *Applied Sciences (Switzerland)*, **2020**, 10, 8189	2.6	7
153	Convolutional neural network approach for spatial prediction of flood hazard at national scale of Iran. *Journal of Hydrology*, **2020**, 591, 125552	6	20
152	Novel Machine Learning Approaches for Modelling the Gully Erosion Susceptibility. *Remote Sensing*, **2020**, 12, 2833	5	27

151   Landslide susceptibility mapping using Naïve Bayes and Bayesian network models in Umyeonsan, Korea. *Geocarto International*, **2020**, 35, 1665-1679   2.7   26

150   An ensemble model for landslide susceptibility mapping in a forested area. *Geocarto International*, **2020**, 35, 1680-1705   2.7   28

149   Application of convolutional neural networks featuring Bayesian optimization for landslide susceptibility assessment. *Catena*, **2020**, 186, 104249   5.8   105

148   New Ensemble Models for Shallow Landslide Susceptibility Modeling in a Semi-Arid Watershed. *Forests*, **2019**, 10, 743   2.8   60

147   SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. *Applied Sciences (Switzerland)*, **2019**, 9, 3495   2.6   31

146   Landslide Susceptibility Assessment by Novel Hybrid Machine Learning Algorithms. *Sustainability*, **2019**, 11, 4386   3.6   87

145   Prediction Success of Machine Learning Methods for Flash Flood Susceptibility Mapping in the Tafresh Watershed, Iran. *Sustainability*, **2019**, 11, 5426   3.6   95

144   Groundwater aquifer potential modeling using an ensemble multi-adoptive boosting logistic regression technique. *Journal of Hydrology*, **2019**, 579, 124172   6   32

143   A Novel Ensemble Artificial Intelligence Approach for Gully Erosion Mapping in a Semi-Arid Watershed (Iran). *Sensors*, **2019**, 19,   3.8   60

142   An Automated Python Language-Based Tool for Creating Absence Samples in Groundwater Potential Mapping. *Remote Sensing*, **2019**, 11, 1375   5   15

141   GIS Multi-Criteria Analysis by Ordered Weighted Averaging (OWA): Toward an Integrated Citrus Management Strategy. *Sustainability*, **2019**, 11, 1009   3.6   39

140   Shallow Landslide Prediction Using a Novel Hybrid Functional Machine Learning Algorithm. *Remote Sensing*, **2019**, 11, 931   5   58

139   Land Subsidence Susceptibility Mapping Using Bayesian, Functional, and Meta-Ensemble Machine Learning Models. *Applied Sciences (Switzerland)*, **2019**, 9, 1248   2.6   29

138   Frequency Ratio Model for Mapping Groundwater Potential Zones Using GIS and Remote Sensing; Medjerda Watershed Tunisia. *Advances in Science, Technology and Innovation*, **2019**, 341-345   0.3   4

137   Landslide-susceptibility mapping in Gangwon-do, South Korea, using logistic regression and decision tree models. *Environmental Earth Sciences*, **2019**, 78, 1   2.9   25

136   Development of a Novel Hybrid Intelligence Approach for Landslide Spatial Prediction. *Applied Sciences (Switzerland)*, **2019**, 9, 2824   2.6   45

135   Landslide Susceptibility Mapping Using Different GIS-Based Bivariate Models. *Water (Switzerland)*, **2019**, 11, 1402   3   82

134   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   5   82

133	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. *Water (Switzerland)*, **2019**, 11, 2013	3	45
132	Special Issue on Advances in Remote Sensing and Geoscience Information Systems of the Coastal Environments *Journal of Coastal Research*, **2019**, 90,	0.6	2
131	Spatial Macrobenthos Habitat on Ganghwa Tidal Flat, Korea: Part I - Spatial Relationship between Potamocorbula laevis and Spatial Variables. *Journal of Coastal Research*, **2019**, 90, 393	0.6	1
130	Groundwater Productivity Potential Mapping Using Logistic Regression and Boosted Tree Models: The Case of Okcheon City in Korea. *Advances in Science, Technology and Innovation*, **2019**, 305-307	0.3	4
129	Spatial Mapping of the Groundwater Potential of the Geum River Basin Using Ensemble Models Based on Remote Sensing Images. *Remote Sensing*, **2019**, 11, 2285	5	29
128	Modelling gully-erosion susceptibility in a semi-arid region, Iran: Investigation of applicability of certainty factor and maximum entropy models. *Science of the Total Environment*, **2019**, 655, 684-696	10.2	103
127	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	5.8	143
126	Self-Learning Random Forests Model for Mapping Groundwater Yield in Data-Scarce Areas. *Natural Resources Research*, **2019**, 28, 757-775	4.9	45
125	Evaluating unconfined compressive strength of cohesive soils stabilized with geopolymer: a computational intelligence approach. *Engineering With Computers*, **2019**, 35, 191-199	4.5	11
124	Landslide susceptibility mapping using random forest and boosted tree models in Pyeong-Chang, Korea. *Geocarto International*, **2018**, 33, 1000-1015	2.7	118
123	GIS-based groundwater potential mapping using artificial neural network and support vector machine models: the case of Boryeong city in Korea. *Geocarto International*, **2018**, 33, 847-861	2.7	96
122	Groundwater productivity potential mapping using frequency ratio and evidential belief function and artificial neural network models: focus on topographic factors. *Journal of Hydroinformatics*, **2018**, 20, 1436-1451	2.6	14
121	Land Subsidence Susceptibility Mapping in South Korea Using Machine Learning Algorithms. *Sensors*, **2018**, 18,	3.8	89
120	Spatial Assessment of Urban Flood Susceptibility Using Data Mining and Geographic Information System (GIS) Tools. *Sustainability*, **2018**, 10, 648	3.6	35
119	Landslide Susceptibility Mapping and Comparison Using Decision Tree Models: A Case Study of Jumunjin Area, Korea. *Remote Sensing*, **2018**, 10, 1545	5	47
118	Evaluation of landslide susceptibility mapping by evidential belief function, logistic regression and support vector machine models. *Geomatics, Natural Hazards and Risk*, **2018**, 9, 1053-1070	3.6	32
117	Social Vulnerability Assessment Using Artificial Neural Network (ANN) Model for Earthquake Hazard in Tabriz City, Iran. *Sustainability*, **2018**, 10, 3376	3.6	55
116	A Novel Integrated Approach of Relevance Vector Machine Optimized by Imperialist Competitive Algorithm for Spatial Modeling of Shallow Landslides. *Remote Sensing*, **2018**, 10, 1538	5	67

115	Assessment of Landslide-Prone Areas and Their Zonation Using Logistic Regression, LogitBoost, and Naïve Bayes Machine-Learning Algorithms. *Sustainability*, **2018**, 10, 3697	3.6	48
114	Analysis of the relationships between topographic factors and landslide occurrence and their application to landslide susceptibility mapping: a case study of Mingchukur, Uzbekistan. *Geosciences Journal*, **2018**, 22, 1053-1067	1.4	8
113	Spatial prediction of urban landslide susceptibility based on topographic factors using boosted trees. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	13
112	GIS-based gully erosion susceptibility mapping: a comparison among three data-driven models and AHP knowledge-based technique. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	78
111	Enhancing Prediction Performance of Landslide Susceptibility Model Using Hybrid Machine Learning Approach of Bagging Ensemble and Logistic Model Tree. *Applied Sciences (Switzerland)*, **2018**, 8, 1046	2.6	54
110	Application of Ensemble-Based Machine Learning Models to Landslide Susceptibility Mapping. *Remote Sensing*, **2018**, 10, 1252	5	94
109	Sensor Technologies and Methods for Geoinformatics and Remote Sensing. *Journal of Sensors*, **2018**, 2018, 1-2	2	0
108	Spatial model integration for shallow landslide susceptibility and its runout using a GIS-based approach in Yongin, Korea. *Geocarto International*, **2017**, 32, 420-441	2.7	18
107	Spatial prediction of flood susceptibility using random-forest and boosted-tree models in Seoul metropolitan city, Korea. *Geomatics, Natural Hazards and Risk*, **2017**, 8, 1185-1203	3.6	135
106	Landslide Susceptibility Assessment Using Frequency Ratio Technique with Iterative Random Sampling. *Journal of Sensors*, **2017**, 2017, 1-21	2	21
105	Predictive radon potential mapping in groundwater: a case study in Yongin, Korea. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	6
104	A Support Vector Machine for Landslide Susceptibility Mapping in Gangwon Province, Korea. *Sustainability*, **2017**, 9, 48	3.6	75
103	Habitat Potential Mapping of Marten (Martes flavigula) and Leopard Cat (Prionailurus bengalensis) in South Korea Using Artificial Neural Network Machine Learning. *Applied Sciences (Switzerland)*, **2017**, 7, 912	2.6	5
102	Shallow Landslide Susceptibility Modeling Using the Data Mining Models Artificial Neural Network and Boosted Tree. *Applied Sciences (Switzerland)*, **2017**, 7, 1000	2.6	41
101	Landslide hazard mapping considering rainfall probability in Inje, Korea. *Geomatics, Natural Hazards and Risk*, **2016**, 7, 424-446	3.6	23
100	A novel integrated model for assessing landslide susceptibility mapping using CHAID and AHP pair-wise comparison. *International Journal of Remote Sensing*, **2016**, 37, 1190-1209	3.1	75
99	The spatial prediction of landslide susceptibility applying artificial neural network and logistic regression models: A case study of Inje, Korea. *Open Geosciences*, **2016**, 8,	1.3	17
98	Spatial analysis of groundwater potential using weights-of-evidence and evidential belief function models and remote sensing. *Arabian Journal of Geosciences*, **2016**, 9, 1	1.8	104

97	A comparison of the Landsat image and LAHARZ-simulated lahar inundation hazard zone by the 2010 Merapi eruption. *Bulletin of Volcanology*, **2015**, 77, 1	2.4	5
96	Spatial Landslide Hazard Prediction Using Rainfall Probability and a Logistic Regression Model. *Mathematical Geosciences*, **2015**, 47, 565-589	2.5	34
95	Habitat Mapping of the Leopard Cat (Prionailurus bengalensis) in South Korea Using GIS. *Sustainability*, **2015**, 7, 4668-4688	3.6	5
94	Application of Decision-Tree Model to Groundwater Productivity-Potential Mapping. *Sustainability*, **2015**, 7, 13416-13432	3.6	53
93	Spatial relationships between radon and topographical, geological, and geochemical factors and their relevance in all of South Korea. *Environmental Earth Sciences*, **2015**, 74, 5155-5168	2.9	17
92	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. *Environmental Earth Sciences*, **2015**, 74, 413-429	2.9	41
91	Ensemble of ground subsidence hazard maps using fuzzy logic. *Open Geosciences*, **2014**, 6,	1.3	24
90	A case study for the integration of predictive mineral potential maps. *Open Geosciences*, **2014**, 6,	1.3	3
89	Flood susceptibility mapping using integrated bivariate and multivariate statistical models. *Environmental Earth Sciences*, **2014**, 72, 4001-4015	2.9	148
88	Application of geospatial models to map potential Ruditapes philippinarum habitat using remote sensing and GIS. *International Journal of Remote Sensing*, **2014**, 35, 3875-3891	3.1	5
87	Groundwater productivity potential mapping using evidential belief function. *Ground Water*, **2014**, 52 Suppl 1, 201-7	2.4	48
86	Spatial prediction of landslide susceptibility using a decision tree approach: a case study of the Pyeongchang area, Korea. *International Journal of Remote Sensing*, **2014**, 35, 6089-6112	3.1	39
85	Spatial and temporal change in landslide hazard by future climate change scenarios using probabilistic-based frequency ratio model. *Geocarto International*, **2014**, 29, 639-662	2.7	21
84	Application of probabilistic-based frequency ratio model in groundwater potential mapping using remote sensing data and GIS. *Arabian Journal of Geosciences*, **2014**, 7, 711-724	1.8	182
83	Open image in new windowIntroduction: Hazard Mapping **2014**, 395-396		6
82	Application of decision tree model for the ground subsidence hazard mapping near abandoned underground coal mines. *Journal of Environmental Management*, **2013**, 127, 166-76	7.9	66
81	Application of data-driven evidential belief functions to landslide susceptibility mapping in Jinbu, Korea. *Catena*, **2013**, 100, 15-30	5.8	99
80	Landslide detection and susceptibility mapping in the Sagimakri area, Korea using KOMPSAT-1 and weight of evidence technique. *Environmental Earth Sciences*, **2013**, 70, 3197-3215	2.9	20

79	Macrobenthos habitat potential mapping using GIS-based artificial neural network models. *Marine Pollution Bulletin*, **2013**, 67, 177-86	6.7	13
78	Landslide Vulnerability Mapping considering GCI(Geospatial Correlative Integration) and Rainfall Probability In Inje. *Journal of Environmental Policy*, **2013**, 12, 21-47		
77	Combining landslide susceptibility maps obtained from frequency ratio, logistic regression, and artificial neural network models using ASTER images and GIS. *Engineering Geology*, **2012**, 124, 12-23	6	189
76	Application of a weights-of-evidence method and GIS to regional groundwater productivity potential mapping. *Journal of Environmental Management*, **2012**, 96, 91-105	7.9	148
75	Spatial prediction of ground subsidence susceptibility using an artificial neural network. *Environmental Management*, **2012**, 49, 347-58	3.1	66
74	A GIS-based logistic regression model in rock-fall susceptibility mapping along a mountainous road: Salavat Abad case study, Kurdistan, Iran. *Natural Hazards*, **2012**, 64, 1639-1656	3	77
73	Ensemble-based landslide susceptibility maps in Jinbu area, Korea. *Environmental Earth Sciences*, **2012**, 67, 23-37	2.9	47
72	Application of an adaptive neuro-fuzzy inference system to ground subsidence hazard mapping. *Computers and Geosciences*, **2012**, 48, 228-238	4.5	38
71	Regional groundwater productivity potential mapping using a geographic information system (GIS) based artificial neural network model. *Hydrogeology Journal*, **2012**, 20, 1511-1527	3.1	97
70	Application of an evidential belief function model in landslide susceptibility mapping. *Computers and Geosciences*, **2012**, 44, 120-135	4.5	244
69	Prediction of landslides using ASTER imagery and data mining models. *Advances in Space Research*, **2012**, 49, 978-993	2.4	35
68	Extraction of landslide-related factors from ASTER imagery and its application to landslide susceptibility mapping. *International Journal of Remote Sensing*, **2012**, 33, 3211-3231	3.1	29
67	Detection of landslides using web-based aerial photographs and landslide susceptibility mapping using geospatial analysis. *International Journal of Remote Sensing*, **2012**, 33, 4937-4966	3.1	28
66	Ensemble-Based Landslide Susceptibility Maps in Jinbu Area, Korea **2012**, 193-220		14
65	GIS mapping of regional probabilistic groundwater potential in the area of Pohang City, Korea. *Journal of Hydrology*, **2011**, 399, 158-172	6	274
64	Macrobenthos habitat mapping in a tidal flat using remotely sensed data and a GIS-based probabilistic model. *Marine Pollution Bulletin*, **2011**, 62, 564-72	6.7	13
63	Crustacean habitat potential mapping in a tidal flat using remote sensing and GIS. *Ecological Modelling*, **2011**, 222, 1522-1533	3	17
62	Spatial polychaeta habitat potential mapping using probabilistic models. *Estuarine, Coastal and Shelf Science*, **2011**, 93, 98-105	2.9	7

61	Landslide susceptibility mapping on Panaon Island, Philippines using a geographic information system. *Environmental Earth Sciences*, **2011**, 62, 935-951	2.9	60
60	Sensitivity analysis for the GIS-based mapping of the ground subsidence hazard near abandoned underground coal mines. *Environmental Earth Sciences*, **2011**, 64, 347-358	2.9	36
59	Cross-application used to validate landslide susceptibility maps using a probabilistic model from Korea. *Environmental Earth Sciences*, **2011**, 64, 395-409	2.9	36
58	Integration of ground subsidence hazard maps of abandoned coal mines in Samcheok, Korea. *International Journal of Coal Geology*, **2011**, 86, 58-72	5.5	45
57	Integration of a subsidence model and SAR interferometry for a coal mine subsidence hazard map in Taebaek, Korea. *International Journal of Remote Sensing*, **2011**, 32, 8161-8181	3.1	20
56	Remote Sensing and GIS-based Landslide Susceptibility Analysis and its Cross-validation in Three Test Areas Using a Frequency Ratio Model. *Photogrammetrie, Fernerkundung, Geoinformation*, **2010**, 2010, 17-32		88
55	Assessment of ground subsidence using GIS and the weights-of-evidence model. *Engineering Geology*, **2010**, 115, 36-48	6	83
54	A GIS-based back-propagation neural network model and its cross-application and validation for landslide susceptibility analyses. *Computers, Environment and Urban Systems*, **2010**, 34, 216-235	5.9	167
53	Regional landslide susceptibility analysis using back-propagation neural network model at Cameron Highland, Malaysia. *Landslides*, **2010**, 7, 13-30	6.6	305
52	Application of a fuzzy operator to susceptibility estimations of coal mine subsidence in Taebaek City, Korea. *Environmental Earth Sciences*, **2010**, 59, 1009-1022	2.9	64
51	Validation of an artificial neural network model for landslide susceptibility mapping. *Environmental Earth Sciences*, **2010**, 60, 473-483	2.9	71
50	Delineation of landslide hazard areas on Penang Island, Malaysia, by using frequency ratio, logistic regression, and artificial neural network models. *Environmental Earth Sciences*, **2010**, 60, 1037-1054	2.9	423
49	Quantitative landslide susceptibility mapping at Pemalang area, Indonesia. *Environmental Earth Sciences*, **2010**, 60, 1317-1328	2.9	57
48	Landslide susceptibility maps comparing frequency ratio and artificial neural networks: a case study from the Nepal Himalaya. *Environmental Earth Sciences*, **2010**, 61, 1049-1064	2.9	167
47	Application of Artificial Neural Network for Gold-Silver Deposits Potential Mapping: A Case Study of Korea. *Natural Resources Research*, **2010**, 19, 103-124	4.9	54
46	Landslide susceptibility assessment and factor effect analysis: backpropagation artificial neural networks and their comparison with frequency ratio and bivariate logistic regression modelling. *Environmental Modelling and Software*, **2010**, 25, 747-759	5.2	596
45	GIS application on spatial landslide analysis using statistical based models **2009**,		2
44	Use of geospatial data and fuzzy algebraic operators to landslide-hazard mapping. *Applied Geomatics*, **2009**, 1, 3-15	2.2	108

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43	Predictive landslide susceptibility mapping using spatial information in the Pechabun area of Thailand. *Environmental Geology*, **2009**, 57, 641		67
42	Prediction of ground subsidence in Samcheok City, Korea using artificial neural networks and GIS. *Environmental Geology*, **2009**, 58, 61-70		56
41	Regional Probabilistic and Statistical Mineral Potential Mapping of Gold–Silver Deposits Using GIS in the Gangreung Area, Korea. *Resource Geology*, **2008**, 58, 171-187	1	15
40	Detecting the intertidal morphologic change using satellite data. *Estuarine, Coastal and Shelf Science*, **2008**, 78, 623-632	2.9	99
39	Utilization of optical remote sensing data and geographic information system tools for regional landslide hazard analysis by using binomial logistic regression model. *Journal of Applied Remote Sensing*, **2008**, 2, 023542	1.4	36
38	Landslide susceptibility mapping using an artificial neural network in the Gangneung area, Korea. *International Journal of Remote Sensing*, **2007**, 28, 4763-4783	3.1	37
37	Comparison of landslide susceptibility maps generated through multiple logistic regression for three test areas in Korea. *Earth Surface Processes and Landforms*, **2007**, 32, 2133-2148	3.7	68
36	Application and verification of fuzzy algebraic operators to landslide susceptibility mapping. *Environmental Geology*, **2007**, 52, 615-623		164
35	Landslide hazard mapping at Selangor, Malaysia using frequency ratio and logistic regression models. *Landslides*, **2007**, 4, 33-41	6.6	607
34	Landslide susceptibility analysis and its verification using likelihood ratio, logistic regression, and artificial neural network models: case study of Youngin, Korea. *Landslides*, **2007**, 4, 327-338	6.6	168
33	Utilization of Optical Remote Sensing Data and GIS Tools for Regional Landslide Hazard Analysis Using an Artificial Neural Network Model. *Earth Science Frontiers*, **2007**, 14, 143-151		79
32	Landslide susceptibility mapping in the Damrei Romel area, Cambodia using frequency ratio and logistic regression models. *Environmental Geology*, **2006**, 50, 847-855		349
31	Assessment of ground subsidence hazard near an abandoned underground coal mine using GIS. *Environmental Geology*, **2006**, 50, 1183-1191		88
30	Probabilistic landslide hazards and risk mapping on Penang Island, Malaysia. *Journal of Earth System Science*, **2006**, 115, 661-672	1.8	240
29	Relationship between mn nodule abundance and other geological factors in the northeastern pacific: Application of gis and probability method. *Ocean Science Journal*, **2006**, 41, 149-161	1.1	7
28	Mineral Potential Assessment of Sedimentary Deposit using Frequency Ratio and Logistic Regression of Gangreung Area, Korea **2006**,		3
27	Ground Subsidence Hazard Analysis in an Abandoned Underground Coal Mine Area using Probabisltic and Logistic Regression Models **2006**,		3
26	Earthquake-induced landslide-susceptibility mapping using an artificial neural network. *Natural Hazards and Earth System Sciences*, **2006**, 6, 687-695	3.9	103

25	Detecting landslide location using KOMPSAT 1 and its application to landslide-susceptibility mapping at the Gangneung area, Korea. *Advances in Space Research*, **2006**, 38, 2261-2271	2.4	65
24	The Application of Artificial Neural Networks to Landslide Susceptibility Mapping at Janghung, Korea. *Mathematical Geosciences*, **2006**, 38, 199-220		65
23	Application of logistic regression model and its validation for landslide susceptibility mapping using GIS and remote sensing data. *International Journal of Remote Sensing*, **2005**, 26, 1477-1491	3.1	421
22	Probabilistic landslide susceptibility mapping in the Lai Chau province of Vietnam: focus on the relationship between tectonic fractures and landslides. *Environmental Geology*, **2005**, 48, 778-787		125
21	Probabilistic landslide susceptibility and factor effect analysis. *Environmental Geology*, **2005**, 47, 982-990		325
20	Application and cross-validation of spatial logistic multiple regression for landslide susceptibility analysis. *Geosciences Journal*, **2005**, 9, 63-71	1.4	35
19	Landslide susceptibility mapping using GIS and the weight-of-evidence model. *International Journal of Geographical Information Science*, **2004**, 18, 789-814	4.1	142
18	The effect of spatial resolution on the accuracy of landslide susceptibility mapping: a case study in Boun, Korea. *Geosciences Journal*, **2004**, 8, 51-60	1.4	67
17	Geographic Information System (GIS) based stability analysis of rock cut slopes. *Geosciences Journal* , **2004**, 8, 391-400	1.4	8
16	Application of likelihood ratio and logistic regression models to landslide susceptibility mapping using GIS. *Environmental Management*, **2004**, 34, 223-32	3.1	113
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