Chang-Wook Lee

List of Publications by Citations

60 papers	**947** citations
18 h-index	**29** g-index
70 ext. papers	**1,353** ext. citations
3.7 avg, IF	**5.18** L-index

#	Paper	IF	Citations
60	Mapping ground surface deformation using temporally coherent point SAR interferometry: Application to Los Angeles Basin. *Remote Sensing of Environment*, **2012**, 117, 429-439	13.2	131
59	Application of Ensemble-Based Machine Learning Models to Landslide Susceptibility Mapping. *Remote Sensing*, **2018**, 10, 1252	5	94
58	Assessment of Landslide Susceptibility Using Statistical- and Artificial Intelligence-based FR–RF Integrated Model and Multiresolution DEMs. *Remote Sensing*, **2019**, 11, 999	5	57
57	Application of Decision-Tree Model to Groundwater Productivity-Potential Mapping. *Sustainability*, **2015**, 7, 13416-13432	3.6	53
56	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
55	Landslide Susceptibility Mapping and Comparison Using Decision Tree Models: A Case Study of Jumunjin Area, Korea. *Remote Sensing*, **2018**, 10, 1545	5	47
54	Comparison of Different Algorithms to Map Hydrothermal Alteration Zones Using ASTER Remote Sensing Data for Polymetallic Vein-Type Ore Exploration: Toroud–Chahshirin Magmatic Belt (TCMB), North Iran. *Remote Sensing*, **2019**, 11, 495	5	43
53	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
52	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
51	Land Subsidence Susceptibility Mapping Using Bayesian, Functional, and Meta-Ensemble Machine Learning Models. *Applied Sciences (Switzerland)*, **2019**, 9, 1248	2.6	29
50	Landslide-susceptibility mapping in Gangwon-do, South Korea, using logistic regression and decision tree models. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	25
49	Modeling of CO Emissions from Traffic Vehicles Using Artificial Neural Networks. *Applied Sciences (Switzerland)*, **2019**, 9, 313	2.6	23
48	Dynamic deformation of Seguam Island, Alaska, 1992–2008, from multi-interferogram InSAR processing. *Journal of Volcanology and Geothermal Research*, **2013**, 260, 43-51	2.8	23
47	Simulation of time-series surface deformation to validate a multi-interferogram InSAR processing technique. *International Journal of Remote Sensing*, **2012**, 33, 7075-7087	3.1	21
46	Land cover classification analysis of volcanic island in Aleutian Arc using an artificial neural network (ANN) and a support vector machine (SVM) from Landsat imagery. *Geosciences Journal*, **2018**, 22, 653-665	1.4	21
45	An Artificial Intelligence Application for Post-Earthquake Damage Mapping in Palu, Central Sulawesi, Indonesia. *Sensors*, **2019**, 19,	3.8	20
44	Mapping of Post-Wildfire Burned Area Using a Hybrid Algorithm and Satellite Data: The Case of the Camp Fire Wildfire in California, USA. *Remote Sensing*, **2020**, 12, 623	5	19

No.	Title	IF	Cites
43	Land Subsidence Susceptibility Mapping in Jakarta Using Functional and Meta-Ensemble Machine Learning Algorithm Based on Time-Series InSAR Data. *Remote Sensing*, **2020**, 12, 3627	5	19
42	Detection of the Pine Wilt Disease Tree Candidates for Drone Remote Sensing Using Artificial Intelligence Techniques. *Engineering*, **2020**, 6, 919-926	9.7	18
41	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
40	A Collaborative Change Detection Approach on Multi-Sensor Spatial Imagery for Desert Wetland Monitoring after a Flash Flood in Southern Morocco. *Remote Sensing*, **2019**, 11, 1042	5	12
39	Machine Learning-Based and 3D Kinematic Models for Rockfall Hazard Assessment Using LiDAR Data and GIS. *Remote Sensing*, **2020**, 12, 1755	5	11
38	Forest Canopy Height Estimation Using Multiplatform Remote Sensing Dataset. *Journal of Sensors*, **2018**, 2018, 1-9	2	11
37	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
36	Surface deformation of Augustine Volcano, 1992-2005, from multiple-interferogram processing using a refined Small Baseline Subset (SBAS) Interferometric Synthetic Aperture Radar (InSAR) approach: Chapter 18 in The 2006 eruption of Augustine Volcano, Alaska. *US Geological Survey Profesional Paper*,453-465		10
35	Evaluating Citizen Satisfaction and Prioritizing Their Needs Based on Citizens Complaint Data. *Sustainability*, **2019**, 11, 4595	3.6	9
34	Analysis of the Pyroclastic Flow Deposits of Mount Sinabung and Merapi Using Landsat Imagery and the Artificial Neural Networks Approach. *Applied Sciences (Switzerland)*, **2017**, 7, 935	2.6	9
33	Monitoring of Volcanic Activity of Augustine Volcano, Alaska Using TCPInSAR and SBAS Time-series Techniques for Measuring Surface Deformation. *Korean Journal of Remote Sensing*, **2013**, 29, 21-34		9
32	Earthquake Probability Assessment for the Indian Subcontinent Using Deep Learning. *Sensors*, **2020**, 20,	3.8	9
31	Integration of InSAR Time-Series Data and GIS to Assess Land Subsidence along Subway Lines in the Seoul Metropolitan Area, South Korea. *Remote Sensing*, **2020**, 12, 3505	5	8
30	Cumulative infiltration and infiltration rate prediction using optimized deep learning algorithms: A study in Western Iran. *Journal of Hydrology: Regional Studies*, **2021**, 35, 100825	3.6	8
29	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
28	Spatial Prediction of Groundwater Potentiality in Large Semi-Arid and Karstic Mountainous Region Using Machine Learning Models. *Water (Switzerland)*, **2021**, 13, 2273	3	8
27	Monitoring Mount Sinabung in Indonesia Using Multi-Temporal InSAR. *Korean Journal of Remote Sensing*, **2017**, 33, 37-46		6
26	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

25	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
24	Baekdusan Volcano Time-Series Analysis from 1992 to 1998 Using Multi-Interferogram InSAR Processing. *Terrestrial, Atmospheric and Oceanic Sciences*, **2014**, 25, 743	1.8	4
23	The Capacitated Location-Allocation Problem Using the VAOMP (Vector Assignment Ordered Median Problem) Unified Approach in GIS (Geospatial Information Systam). *Applied Sciences (Switzerland)*, **2020**, 10, 8505	2.6	4
22	Preliminary Study for Tidal Flat Detection in Yeongjong-do according to Tide Level using Landsat Images. *Korean Journal of Remote Sensing*, **2016**, 32, 639-645		3
21	Landsat images and artificial intelligence techniques used to map volcanic ashfall and pyroclastic material following the eruption of Mount Agung, Indonesia. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	3
20	Assessing the Changes in the Moisture/Dryness of Water Cavity Surfaces in Imlili Sebkha in Southwestern Morocco by Using Machine Learning Classification in Google Earth Engine. *Remote Sensing*, **2020**, 12, 131	5	3
19	Improvement of Earthquake Risk Awareness and Seismic Literacy of Korean Citizens through Earthquake Vulnerability Map from the 2017 Pohang Earthquake, South Korea. *Remote Sensing*, **2021**, 13, 1365	5	3
18	. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-1	8.1	2
17	Estimating the potential risk of the Mt. Baekdu Volcano using a synthetic interferogram and the LAHARZ inundation zone. *Geosciences Journal*, **2020**, 24, 755-768	1.4	2
16	Analysis of the relationship between volcanic eruption and surface deformation in volcanoes of the Alaskan Aleutian Islands using SAR interferometry. *Geosciences Journal*, **2018**, 22, 1069-1080	1.4	2
15	Predicting the hazard area of the volcanic ash caused by Mt. Ontake Eruption. *Korean Journal of Remote Sensing*, **2014**, 30, 777-786		1
14	Time Series Analysis of Area of Deltaic Barrier Island in Nakdong River Using Landsat Satellite Image. *Journal of the Korean Society of Surveying Geodesy Photogrammetry and Cartography*, **2016**, 34, 457-469		1
13	Orthorectification of WorldView-3 Satellite Image Using Airborne Laser Scanning Data. *Journal of Sensors*, **2021**, 2021, 1-12	2	1
12	Predicting the extent of the volcanic ash dispersion using GOCI image and HYSPLIT model - A case study of the 17 Sep, 2013 eruption in SAKURAJIMA volcano -. *Korean Journal of Remote Sensing*, **2014**, 30, 303-314		1
11	Assessing the effects of external factors on sediment erosion and accumulation in an estuarine environment based on images from unmanned aerial vehicles: Namdaecheon, South Korea. *Geosciences Journal*, **2021**, 25, 547-559	1.4	1
10	. *IEEE Access*, **2021**, 9, 107375-107386	3.5	1
9	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
8	Changes Detection of Ice Dimension in Cheonji, Baekdu Mountain Using Sentinel-1 Image Classification. *Journal of the Korean Earth Science Society*, **2020**, 41, 31-39	0.1	0

7	Sakurajima volcano eruption detected by GOCI and geomagnetic variation analysis - A case study of the 18 Aug, 2013 eruption -. *Korean Journal of Remote Sensing*, **2014**, 30, 259-274		0
6	Ruditapes philippinarum Habitat Mapping Potential Using SVM and Naïve Bayes. *Journal of Coastal Research*, **2019**, 90, 41	0.6	0
5	Measurement of 2D surface deformation on the Seguam volcano of Alaska using DInSAR Multi-track time-series techniques. *Korean Journal of Remote Sensing*, **2014**, 30, 719-730		0
4	Pixel and Object-Based Machine Learning Classification Schemes for Lithological Mapping Enhancement of Semi-Arid Regions Using Sentinel-2A Imagery: A Case Study of the Southern Moroccan Meseta. *IEEE Access*, **2021**, 9, 119262-119278	3.5	0
3	Estimating the Pre-Historical Volcanic Eruption in the Hantangang River Volcanic Field: Experimental and Simulation Study. *Remote Sensing*, **2022**, 14, 894	5	0
2	Surface deformation monitoring of Augustine volcano, Alaska using GPS measurement - A case study of the 2006 eruption -. *Korean Journal of Remote Sensing*, **2013**, 29, 545-554		
1	Mapping Pyroclastic Flow Inundation Using Radar and Optical Satellite Images and Lahar Modeling. *Journal of Sensors*, **2018**, 2018, 1-12	2	