

# Chang-Wook Lee

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Convolutional neural network and long short-term memory algorithms for groundwater potential mapping in Anseong, South Korea. <i>Journal of Hydrology: Regional Studies</i> , <b>2022</b> , 39, 100990	3.6	4
59	Estimating the Pre-Historical Volcanic Eruption in the Hantangang River Volcanic Field: Experimental and Simulation Study. <i>Remote Sensing</i> , <b>2022</b> , 14, 894	5	0
58	Mapping of landslide potential in Pyeongchang-gun, South Korea, using machine learning meta-based optimization algorithms. <i>Egyptian Journal of Remote Sensing and Space Science</i> , <b>2022</b> , 25, 463-472	3.4	1
57	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-1	8.1	2
56	Convolutional neural network (CNN) with metaheuristic optimization algorithms for landslide susceptibility mapping in Icheon, South Korea.. <i>Journal of Environmental Management</i> , <b>2021</b> , 305, 114367-9	7.9	11
55	Orthorectification of WorldView-3 Satellite Image Using Airborne Laser Scanning Data. <i>Journal of Sensors</i> , <b>2021</b> , 2021, 1-12	2	1
54	Application of Support Vector Regression and Metaheuristic Optimization Algorithms for Groundwater Potential Mapping in Gangneung-si, South Korea. <i>Remote Sensing</i> , <b>2021</b> , 13, 1196	5	15
53	Improvement of Earthquake Risk Awareness and Seismic Literacy of Korean Citizens through Earthquake Vulnerability Map from the 2017 Pohang Earthquake, South Korea. <i>Remote Sensing</i> , <b>2021</b> , 13, 1365	5	3
52	Cumulative infiltration and infiltration rate prediction using optimized deep learning algorithms: A study in Western Iran. <i>Journal of Hydrology: Regional Studies</i> , <b>2021</b> , 35, 100825	3.6	8
51	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. <i>Geosciences Journal</i> , <b>2021</b> , 25, 547-559	1.4	1
50	. <i>IEEE Access</i> , <b>2021</b> , 9, 107375-107386	3.5	1
49	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. <i>IEEE Access</i> , <b>2021</b> , 9, 119262-119278	3.5	0
48	Spatial Prediction of Groundwater Potentiality in Large Semi-Arid and Karstic Mountainous Region Using Machine Learning Models. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 2273	3	8
47	Machine Learning-Based and 3D Kinematic Models for Rockfall Hazard Assessment Using LiDAR Data and GIS. <i>Remote Sensing</i> , <b>2020</b> , 12, 1755	5	11
46	Mapping of Post-Wildfire Burned Area Using a Hybrid Algorithm and Satellite Data: The Case of the Camp Fire Wildfire in California, USA. <i>Remote Sensing</i> , <b>2020</b> , 12, 623	5	19
45	Changes Detection of Ice Dimension in Cheonji, Baekdu Mountain Using Sentinel-1 Image Classification. <i>Journal of the Korean Earth Science Society</i> , <b>2020</b> , 41, 31-39	0.1	0
44	Landsat images and artificial intelligence techniques used to map volcanic ashfall and pyroclastic material following the eruption of Mount Agung, Indonesia. <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	3

43	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> , <b>2020</b> , 590, 125423	6	37
42	Assessing the Changes in the Moisture/Dryness of Water Cavity Surfaces in Imlili Sebkh in Southwestern Morocco by Using Machine Learning Classification in Google Earth Engine. <i>Remote Sensing</i> , <b>2020</b> , 12, 131	5	3
41	Estimating the potential risk of the Mt. Baekdu Volcano using a synthetic interferogram and the LAHARZ inundation zone. <i>Geosciences Journal</i> , <b>2020</b> , 24, 755-768	1.4	2
40	Detection of the Pine Wilt Disease Tree Candidates for Drone Remote Sensing Using Artificial Intelligence Techniques. <i>Engineering</i> , <b>2020</b> , 6, 919-926	9.7	18
39	Land Subsidence Susceptibility Mapping in Jakarta Using Functional and Meta-Ensemble Machine Learning Algorithm Based on Time-Series InSAR Data. <i>Remote Sensing</i> , <b>2020</b> , 12, 3627	5	19
38	Integration of InSAR Time-Series Data and GIS to Assess Land Subsidence along Subway Lines in the Seoul Metropolitan Area, South Korea. <i>Remote Sensing</i> , <b>2020</b> , 12, 3505	5	8
37	Earthquake Probability Assessment for the Indian Subcontinent Using Deep Learning. <i>Sensors</i> , <b>2020</b> , 20,	3.8	9
36	The Capacitated Location-Allocation Problem Using the VAOMP (Vector Assignment Ordered Median Problem) Unified Approach in GIS (Geospatial Information System). <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8505	2.6	4
35	Modeling of CO Emissions from Traffic Vehicles Using Artificial Neural Networks. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 313	2.6	23
34	A Collaborative Change Detection Approach on Multi-Sensor Spatial Imagery for Desert Wetland Monitoring after a Flash Flood in Southern Morocco. <i>Remote Sensing</i> , <b>2019</b> , 11, 1042	5	12
33	Land Subsidence Susceptibility Mapping Using Bayesian, Functional, and Meta-Ensemble Machine Learning Models. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 1248	2.6	29
32	Assessment of Landslide Susceptibility Using Statistical- and Artificial Intelligence-based FRBF Integrated Model and Multiresolution DEMs. <i>Remote Sensing</i> , <b>2019</b> , 11, 999	5	57
31	Comparison of Different Algorithms to Map Hydrothermal Alteration Zones Using ASTER Remote Sensing Data for Polymetallic Vein-Type Ore Exploration: Toroudāhshirin Magmatic Belt (TCMB), North Iran. <i>Remote Sensing</i> , <b>2019</b> , 11, 495	5	43
30	An Artificial Intelligence Application for Post-Earthquake Damage Mapping in Palu, Central Sulawesi, Indonesia. <i>Sensors</i> , <b>2019</b> , 19,	3.8	20
29	Landslide-susceptibility mapping in Gangwon-do, South Korea, using logistic regression and decision tree models. <i>Environmental Earth Sciences</i> , <b>2019</b> , 78, 1	2.9	25
28	Evaluating Citizen Satisfaction and Prioritizing Their Needs Based on Citizens' Complaint Data. <i>Sustainability</i> , <b>2019</b> , 11, 4595	3.6	9
27	Ruditapes philippinarum Habitat Mapping Potential Using SVM and Naïve Bayes. <i>Journal of Coastal Research</i> , <b>2019</b> , 90, 41	0.6	0
26	Forest Canopy Height Estimation Using Multiplatform Remote Sensing Dataset. <i>Journal of Sensors</i> , <b>2018</b> , 2018, 1-9	2	11

25	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. <i>Geosciences Journal</i> , <b>2018</b> , 22, 653-665	1.4	21
24	Landslide Susceptibility Mapping and Comparison Using Decision Tree Models: A Case Study of Jumunjin Area, Korea. <i>Remote Sensing</i> , <b>2018</b> , 10, 1545	5	47
23	Evaluation of landslide susceptibility mapping by evidential belief function, logistic regression and support vector machine models. <i>Geomatics, Natural Hazards and Risk</i> , <b>2018</b> , 9, 1053-1070	3.6	32
22	Analysis of the relationship between volcanic eruption and surface deformation in volcanoes of the Alaskan Aleutian Islands using SAR interferometry. <i>Geosciences Journal</i> , <b>2018</b> , 22, 1069-1080	1.4	2
21	Assessment of Landslide-Prone Areas and Their Zonation Using Logistic Regression, LogitBoost, and NaïveBayes Machine-Learning Algorithms. <i>Sustainability</i> , <b>2018</b> , 10, 3697	3.6	48
20	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> , <b>2018</b> , 22, 1053-1067	1.4	8
19	Application of Ensemble-Based Machine Learning Models to Landslide Susceptibility Mapping. <i>Remote Sensing</i> , <b>2018</b> , 10, 1252	5	94
18	Mapping Pyroclastic Flow Inundation Using Radar and Optical Satellite Images and Lahar Modeling. <i>Journal of Sensors</i> , <b>2018</b> , 2018, 1-12	2	
17	Analysis of the Pyroclastic Flow Deposits of Mount Sinabung and Merapi Using Landsat Imagery and the Artificial Neural Networks Approach. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 935	2.6	9
16	Monitoring Mount Sinabung in Indonesia Using Multi-Temporal InSAR. <i>Korean Journal of Remote Sensing</i> , <b>2017</b> , 33, 37-46		6
15	Preliminary Study for Tidal Flat Detection in Yeongjong-do according to Tide Level using Landsat Images. <i>Korean Journal of Remote Sensing</i> , <b>2016</b> , 32, 639-645		3
14	Time Series Analysis of Area of Deltaic Barrier Island in Nakdong River Using Landsat Satellite Image. <i>Journal of the Korean Society of Surveying Geodesy Photogrammetry and Cartography</i> , <b>2016</b> , 34, 457-469		1
13	A comparison of the Landsat image and LAHARZ-simulated lahar inundation hazard zone by the 2010 Merapi eruption. <i>Bulletin of Volcanology</i> , <b>2015</b> , 77, 1	2.4	5
12	Application of Decision-Tree Model to Groundwater Productivity-Potential Mapping. <i>Sustainability</i> , <b>2015</b> , 7, 13416-13432	3.6	53
11	Baekdusan Volcano Time-Series Analysis from 1992 to 1998 Using Multi-Interferogram InSAR Processing. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2014</b> , 25, 743	1.8	4
10	Sakurajima volcano eruption detected by GOCl and geomagnetic variation analysis - A case study of the 18 Aug, 2013 eruption -. <i>Korean Journal of Remote Sensing</i> , <b>2014</b> , 30, 259-274		0
9	Predicting the hazard area of the volcanic ash caused by Mt. Ontake Eruption. <i>Korean Journal of Remote Sensing</i> , <b>2014</b> , 30, 777-786		1
8	Measurement of 2D surface deformation on the Seguam volcano of Alaska using DInSAR Multi-track time-series techniques. <i>Korean Journal of Remote Sensing</i> , <b>2014</b> , 30, 719-730		0

7	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 -. <i>Korean Journal of Remote Sensing</i> , <b>2014</b> , 30, 303-314		1
6	Dynamic deformation of Seguam Island, Alaska, 1992-2008, from multi-interferogram InSAR processing. <i>Journal of Volcanology and Geothermal Research</i> , <b>2013</b> , 260, 43-51	2.8	23
5	Monitoring of Volcanic Activity of Augustine Volcano, Alaska Using TCPInSAR and SBAS Time-series Techniques for Measuring Surface Deformation. <i>Korean Journal of Remote Sensing</i> , <b>2013</b> , 29, 21-34		9
4	Surface deformation monitoring of Augustine volcano, Alaska using GPS measurement - A case study of the 2006 eruption -. <i>Korean Journal of Remote Sensing</i> , <b>2013</b> , 29, 545-554		
3	Simulation of time-series surface deformation to validate a multi-interferogram InSAR processing technique. <i>International Journal of Remote Sensing</i> , <b>2012</b> , 33, 7075-7087	3.1	21
2	Mapping ground surface deformation using temporarily coherent point SAR interferometry: Application to Los Angeles Basin. <i>Remote Sensing of Environment</i> , <b>2012</b> , 117, 429-439	13.2	131
1	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. <i>US Geological Survey Profesional Paper</i> , 453-465		10