

Han Soo Lee

List of Publications by Year in descending order

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77
papers

1,125
citations

430874

18
h-index

434195

31
g-index

82
all docs

82
docs citations

82
times ranked

1025
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Land Use and Land Cover Changes for North Sumatra, Indonesia, Using an Artificial-Neural-Network-Based Cellular Automaton. Sustainability, 2019, 11, 3024.	3.2	123
2	Flood risk assessment for Davao Oriental in the Philippines using geographic information system-based multi-criteria analysis and the maximum entropy model. Journal of Flood Risk Management, 2020, 13, e12607.	3.3	77
3	General Rainfall Patterns in Indonesia and the Potential Impacts of Local Seas on Rainfall Intensity. Water (Switzerland), 2015, 7, 1751-1768.	2.7	64
4	Impacts of Mainstream Hydropower Dams on Fisheries and Agriculture in Lower Mekong Basin. Sustainability, 2020, 12, 2408.	3.2	62
5	Watershed Modelling of the Mindanao River Basin in the Philippines Using the SWAT for Water Resource Management. Civil Engineering Journal (Iran), 2020, 6, 626-648.	3.9	53
6	Flood-Prone Area Assessment Using GIS-Based Multi-Criteria Analysis: A Case Study in Davao Oriental, Philippines. Water (Switzerland), 2019, 11, 2203.	2.7	48
7	Estimation of extreme sea levels along the Bangladesh coast due to storm surge and sea level rise using EEMD and EVA. Journal of Geophysical Research: Oceans, 2013, 118, 4273-4285.	2.6	46
8	Prediction of Land Use and Land Cover Changes in Mumbai City, India, Using Remote Sensing Data and a Multilayer Perceptron Neural Network-Based Markov Chain Model. Sustainability, 2021, 13, 471.	3.2	46
9	Multi-decadal variations of ENSO, the Pacific Decadal Oscillation and tropical cyclones in the western North Pacific. Progress in Oceanography, 2012, 105, 67-80.	3.2	45
10	Impacts of future urbanization on urban microclimate and thermal comfort over the Mumbai metropolitan region, India. Sustainable Cities and Society, 2022, 79, 103703.	10.4	37
11	Impacts of land use changes from the Hanoi Master Plan 2030 on urban heat islands: Part 2. Influence of global warming. Sustainable Cities and Society, 2017, 31, 95-108.	10.4	36
12	Analysis of Rainfall Trends and Extreme Precipitation in the Middle Adriatic Side, Marche Region (Central Italy). Water (Switzerland), 2019, 11, 1948.	2.7	35
13	Impacts of Climate Change on Flood-Prone Areas in Davao Oriental, Philippines. Water (Switzerland), 2018, 10, 893.	2.7	31
14	Evaluation of WAVEWATCH III performance with wind input and dissipation source terms using wave buoy measurements for October 2006 along the east Korean coast in the East Sea. Ocean Engineering, 2015, 100, 67-82.	4.3	27
15	Impacts of land use changes from the Hanoi Master Plan 2030 on urban heat islands: Part 1. Cooling effects of proposed green strategies. Sustainable Cities and Society, 2017, 32, 295-317.	10.4	26
16	Integrated modeling of the dynamic meteorological and sea surface conditions during the passage of Typhoon Morakot. Dynamics of Atmospheres and Oceans, 2013, 59, 1-23.	1.8	24
17	Abnormal storm waves in the winter East/Japan Sea: generation process and hindcasting using an atmosphere-wind wave modelling system. Natural Hazards and Earth System Sciences, 2010, 10, 773-792.	3.6	22
18	Impacts of tides on tsunami propagation due to potential Nankai Trough earthquakes in the Seto Inland Sea, Japan. Journal of Geophysical Research: Oceans, 2015, 120, 6865-6883.	2.6	19

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19	Configuration of Green Spaces for Urban Heat Island Mitigation and Future Building Energy Conservation in Hanoi Master Plan 2030. <i>Buildings</i> , 2015, 5, 933-947.	3.1	19
20	Potential hydropower estimation for the Mindanao River Basin in the Philippines based on watershed modelling using the soil and water assessment tool. <i>Energy Reports</i> , 2020, 6, 1010-1028.	5.1	18
21	Storm Surge and Storm Waves Modelling Due to Typhoon Haiyan in November 2013 with Improved Dynamic Meteorological Conditions. <i>Procedia Engineering</i> , 2015, 116, 699-706.	1.2	16
22	Integrated assessment of offshore wind power potential using Weather Research and Forecast (WRF) downscaling with Sentinel-1 satellite imagery, optimal sites, annual energy production and equivalent CO2 reduction. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 163, 112501.	16.4	16
23	Hydrological Modelling for Water Resource Management in a Semi-Arid Mountainous Region Using the Soil and Water Assessment Tool: A Case Study in Northern Afghanistan. <i>Hydrology</i> , 2021, 8, 16.	3.0	15
24	Household Willingness to Pay for Wastewater Treatment and Water Supply System Improvement in a Ger Area in Ulaanbaatar City, Mongolia. <i>Water (Switzerland)</i> , 2019, 11, 1856.	2.7	14
25	Wave and storm surge simulations for Hurricane Katrina using coupled process based models. <i>KSCE Journal of Civil Engineering</i> , 2008, 12, 1-8.	1.9	13
26	Perturbation of regional ocean tides due to coastal dikes. <i>Continental Shelf Research</i> , 2010, 30, 553-563.	1.8	12
27	Abnormal storm waves in the East Sea (Japan Sea) in April 2012. <i>Journal of Coastal Research</i> , 2013, 65, 748-753.	0.3	12
28	Simulation of the 1953 storm surge in the North Sea. <i>Ocean Dynamics</i> , 2018, 68, 1759-1777.	2.2	12
29	Evaluation of Climate Change Impacts on the Potential Distribution of <i>Styrax sumatrana</i> in North Sumatra, Indonesia. <i>Sustainability</i> , 2021, 13, 462.	3.2	11
30	Performance Simulation and Assessment of an Appropriate Wastewater Treatment Technology in a Densely Populated Growing City in a Developing Country: A Case Study in Vientiane, Laos. <i>Water (Switzerland)</i> , 2019, 11, 1012.	2.7	10
31	Sensitivity of snowmelt runoff modelling to the level of cloud coverage for snow cover extent from daily MODIS product collection 6. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100835.	2.4	10
32	Renewable Energy Curtailment: Prediction Using a Logic-Based Forecasting Method and Mitigation Measures in Kyushu, Japan. <i>Energies</i> , 2020, 13, 4703.	3.1	9
33	Effect of an improved agricultural irrigation scheme with a hydraulic structure for crop cultivation in arid northern Afghanistan using the Soil and Water Assessment Tool (SWAT). <i>Scientific Reports</i> , 2022, 12, 5186.	3.3	8
34	Modelling hydrodynamics in Yachiyo Lake using a non-hydrostatic general circulation model with spatially and temporally varying meteorological conditions. <i>Hydrological Processes</i> , 2009, 23, 1973-1987.	2.6	7
35	Improvement of Decomposing Results of Empirical Mode Decomposition and its Variations for Sea-level Records Analysis. <i>Journal of Coastal Research</i> , 2018, 85, 526-530.	0.3	7
36	STORM SURGE IN SETO INLAND SEA WITH CONSIDERATION OF THE IMPACTS OF WAVE BREAKING ON SURFACE CURRENTS. <i>Coastal Engineering Proceedings</i> , 2011, 1, 17.	0.1	7

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37	Impacts of Land use Changes on Urban Heat Islands in Hanoi, Vietnam: Scenario Analysis. <i>Procedia Engineering</i> , 2017, 198, 525-529.	1.2	6
38	Multimodel Ensemble Projections of Wave Climate in the Western North Pacific Using CMIP6 Marine Surface Winds. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 835.	2.6	6
39	Wintertime Extreme Storm Waves in the East Sea: Estimation of Extreme Storm Waves and Wave-Structure Interaction Study in the Fushiki Port, Toyama Bay. <i>Journal of Korean Society of Coastal and Ocean Engineers</i> , 2013, 25, 335-347.	0.4	6
40	Carbon stock measurements of a degraded tropical logged-over secondary forest in Manokwari Regency, West Papua, Indonesia. <i>Forestry Studies in China</i> , 2012, 14, 8-19.	0.4	5
41	Estimation and Projection of Non-Linear Relative Sea-Level Rise in the Seto Inland Sea, Japan. <i>Atmosphere - Ocean</i> , 2015, 53, 398-411.	1.6	5
42	Electricity demand prediction for sustainable development in Cambodia using recurrent neural networks with ERA5 reanalysis climate variables. <i>Energy Reports</i> , 2022, 8, 76-81.	5.1	5
43	Baroclinic Effect on Inner-Port Circulation in a Macro-Tidal Estuary: A Case Study of Incheon North Port, Korea. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 392.	2.6	5
44	Scheme Choice for Optimal Allocation of Water Resources Based on Fuzzy Language Evaluation and the Generalized Induced Ordered Weighted Averaging Operator. <i>Fuzzy Information and Engineering</i> , 2011, 3, 169-182.	1.7	4
45	Combined Approach of Empirical Mode Decomposition and Artificial Neural Network for Sea-level Record Analysis. <i>Journal of Coastal Research</i> , 2018, 85, 1091-1095.	0.3	4
46	Reanalysis of Typhoon Meteorological Fields and Related Waves and Surges in the Seto Inland Sea. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2009, 65, 441-445.	0.4	3
47	MODELLING EXTREME SEA LEVELS DUE TO SEA LEVEL RISE AND STORM SURGE IN THE SETO INLAND SEA, JAPAN. <i>Coastal Engineering Proceedings</i> , 2015, 1, 1.	0.1	3
48	TSUNAMI-TIDE INTERACTION IN THE SETO INLAND SEA, JAPAN. <i>Coastal Engineering Proceedings</i> , 2015, 1, 2.	0.1	3
49	Typhoon Morakot Induced Waves and Surges with an Integrally Coupled Tide-Surge-Wave Finite Element Model. <i>Journal of Coastal Research</i> , 2016, 75, 1122-1126.	0.3	3
50	Modelling typhoon-induced extreme river discharges: A case study of Typhoon Hagibis in Japan. <i>Journal of Hydrology: Regional Studies</i> , 2021, 34, 100776.	2.4	3
51	Numerical Models in Coastal Hazards and Coastal Environment. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 494.	2.6	3
52	STUDY ON WIND-WAVE-CURRENT INTERACTION PROCESS IN SHALLOW WATER DYNAMICS. , 2009, , .		3
53	Offshore wind resource mapping in Cambodia: Sensitivity assessment of the weather research and forecasting model. <i>Energy Reports</i> , 2022, 8, 359-364.	5.1	3
54	Regional Projection of Relative Sea Level Rise in the Seto Inland Sea, Japan. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2014, 70, I_1276-I_1280.	0.4	2

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55	Optimized Evacuation Plan and Decision Support System Development with Agent-Based Modelling and GIS Analysis for Tsunami Events in Pandeglang, Banten, Indonesia. Journal of Coastal Research, 2021, 114, .	0.3	2
56	Non-Hydrostatic Simulation of Water Circulation in Dam Lake by means of MITgcm. Proceedings of Coastal Engineering Jsce, 2007, 54, 381-385.	0.1	1
57	Simulation of storm surge and wave due to typhoon Isewan (5915). China Ocean Engineering, 2015, 29, 473-488.	1.6	1
58	Species Distribution of Styra sumatrana in North Sumatra using Maxent Modelling Approach. Forum Geografi, 2019, 33, 196-208.	0.8	1
59	Multi-Data Ensemble Estimation of Wave Energy Potential in Indonesian Seas. Journal of Coastal Research, 2021, 114, .	0.3	1
60	Environment Simulator. Proceedings of Coastal Engineering Jsce, 2007, 54, 1301-1305.	0.1	1
61	Simulation of the North Indian Ocean Tropical Cyclones Using the Regional Environment Simulator: Application to Cyclone Nargis in 2008. , 2010, , 73-82.		1
62	Wave Run-up Modeling with Adaptive Mesh Refinement (AMR) Method in the Busan Marine City during Typhoon Chaba (1618). Journal of Coastal Research, 2019, 91, 56.	0.3	1
63	Numerical Experiment for Typhoon and Ocean Interaction by MITgcm-MM5 Coupling Model. Proceedings of Coastal Engineering Jsce, 2007, 54, 336-340.	0.1	0
64	OCEAN-ATMOSPHERE COUPLED SIMULATION OF STORM SURGE AND HIGH WAVES CAUSED BY CYCLONE NARGIS IN 2008. , 2009, , .		0
65	Examination of Generation Mechanism of Abnormal Waves caused by the Monsoons along the Central Coast of the Japan/East Sea. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2009, 65, 206-210.	0.4	0
66	Numerical study on seawater intrusion into groundwater in Liaodong Bay coastal plain, China. , 2011, , .		0
67	Atmosphere-Ocean-Groundwater Modeling System for Seawater Intrusion Simulation in Liaodong Bay Coastal Plain, China. Advanced Materials Research, 2012, 518-523, 4155-4160.	0.3	0
68	Interactions of Tsunami with Natural Oscillations Implied from the 2011 Tohoku Tsunami Records Analysis Using Hilbert-Huang Transform. Procedia Engineering, 2015, 116, 707-712.	1.2	0
69	NUMERICAL EXPERIMENTS FOR IMPACTS OF TIDES ON TSUNAMI PROPAGATIONS IN THE SETO INLAND SEA. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_325-I_330.	0.4	0
70	NUMERICAL EXPERIMENTS ON TYPHOON AND OCEAN INTERACTION BY ATMOSPHERE-OCEAN COUPLED MODEL. , 2009, , .		0
71	HIGH WAVES AT EAST KOREAN COAST ON FEBRUARY 24, 2008. , 2009, , .		0
72	Modeling of High-throughput Uranium Electrorefiner and Validation for Different Electrode Configuration. Journal of Nuclear Fuel Cycle and Waste Technology, 2017, 15, 321-332.	0.3	0

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73	Climate Vulnerability in Tropical Asia. , 2018, , 513-528.		0
74	Regional Realtime Ocean Tide and Storm-surge Simulation for the South China Sea. Journal of Korean Society of Coastal and Ocean Engineers, 2018, 30, 69-83.	0.4	0
75	Evaluation and Bias Correction of Marine Surface Winds from CMIP5 GCMs for Wave Climate Modelling in the Western North Pacific. , 2020, , 1229-1236.		0
76	EVALUATION AND BIAS CORRECTION OF MARINE SURFACE WINDS IN THE WESTERN NORTH PACIFIC FROM CMIP5 AND CMIP6 GCMS FOR WAVE CLIMATE MODELLING. Coastal Engineering Proceedings, 2020, , 35.	0.1	0
77	Efficiency assessment of technologies implementation in Vietnam power transmission system. Energy Reports, 2022, 8, 16-22.	5.1	0