Soo-Mi Choi

List of Publications by Year
in descending order

59 papers	917 citations	516561 16 h-index	501076 28 g-index
61 all docs	61 docs citations	61 times ranked	671 citing authors

#	Article	IF	Citations
1	An approach for measuring spatial similarity among COVID-19 epicenters. Geo-Spatial Information Science, 2023, 26, 496-513.	2.4	0
2	Coronavirus disease vulnerability map using a geographic information system (GIS) from 16 April to 16 May 2020. Physics and Chemistry of the Earth, 2022, 126, 103043.	1.2	8
3	Augmented reality-based border management. Virtual Reality, 2022, 26, 1123-1143.	4.1	2
4	Spatio-temporal modelling of asthma-prone areas using a machine learning optimized with metaheuristic algorithms. Geocarto International, 2022, 37, 9917-9942.	1.7	6
5	Ubiquitous Tourist System Based on Multicriteria Decision Making and Augmented Reality. Applied Sciences (Switzerland), 2022, 12, 5241.	1.3	4
6	Artificial Intelligence Applications in K-12 Education: A Systematic Literature Review. IEEE Access, 2022, 10, 61905-61921.	2.6	12
7	Asthma-prone areas modeling using a machine learning model. Scientific Reports, 2021, 11, 1912.	1.6	34
8	Modeling Population Spatial-Temporal Distribution Using Taxis Origin and Destination Data. Sustainability, 2021, 13, 3727.	1.6	3
9	Comparison between Multi-Criteria Decision-Making Methods and Evaluating the Quality of Life at Different Spatial Levels. Sustainability, 2021, 13, 4067.	1.6	30
10	Discovering Intra-Urban Population Movement Pattern Using Taxis' Origin and Destination Data and Modeling the Parameters Affecting Population Distribution. Applied Sciences (Switzerland), 2021, 11, 5987.	1.3	0
11	Personalized Augmented Reality Based Tourism System: Big Data and User Demographic Contexts. Applied Sciences (Switzerland), 2021, 11, 6047.	1.3	9
12	Spatial Modeling of Asthma-Prone Areas Using Remote Sensing and Ensemble Machine Learning Algorithms. Remote Sensing, 2021, 13, 3222.	1.8	14
13	COVID-19 Risk Mapping with Considering Socio-Economic Criteria Using Machine Learning Algorithms. International Journal of Environmental Research and Public Health, 2021, 18, 9657.	1.2	17
14	Evaluation of Tree-Based Machine Learning Algorithms for Accident Risk Mapping Caused by Driver Lack of Alertness at a National Scale. Sustainability, 2021, 13, 10239.	1.6	18
15	Effects of air pollution in Spatio-temporal modeling of asthma-prone areas using a machine learning model. Environmental Research, 2021, 200, 111344.	3.7	27
16	Multi-User Drone Flight Training in Mixed Reality. Electronics (Switzerland), 2021, 10, 2521.	1.8	3
17	A Survey of GIS and IoT Integration: Applications and Architecture. Applied Sciences (Switzerland), 2021, 11, 10365.	1.3	10
18	Design, Implementation, and Evaluation of an Immersive Virtual Reality-Based Educational Game for Learning Topology Relations at Schools: A Case Study. Sustainability, 2021, 13, 13066.	1.6	7

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19	A Practical Model for the Evaluation of High School Student Performance Based on Machine Learning. Applied Sciences (Switzerland), 2021, 11, 11534.	1.3	14
20	Spatial-Temporal Analysis of Point Distribution Pattern of Schools Using Spatial Autocorrelation Indices in Bojnourd City. Sustainability, 2020, 12, 7755.	1.6	13
21	Improving groundwater potential mapping using metaheuristic approaches. Hydrological Sciences Journal, 2020, 65, 2729-2749.	1.2	31
22	Performance Analysis of IoT-Based Health and Environment WSN Deployment. Sensors, 2020, 20, 5923.	2.1	12
23	An Aerial Mixed-Reality Environment for First-Person-View Drone Flying. Applied Sciences (Switzerland), 2020, 10, 5436.	1.3	17
24	A Volunteered Geographic Information-Based Environmental Decision Support System for Waste Management and Decision Making. Sustainability, 2020, 12, 6012.	1.6	5
25	Short-Term Traffic Flow Prediction Using the Modified Elman Recurrent Neural Network Optimized Through a Genetic Algorithm. IEEE Access, 2020, 8, 217526-217540.	2.6	30
26	Ubiquitous GIS-Based Forest Fire Susceptibility Mapping Using Artificial Intelligence Methods. Remote Sensing, 2020, 12, 1689.	1.8	46
27	A Survey of Marker-Less Tracking and Registration Techniques for Health & Environmental Applications to Augmented Reality and Ubiquitous Geospatial Information Systems. Sensors, 2020, 20, 2997.	2.1	24
28	Gully erosion susceptibility mapping using artificial intelligence and statistical models. Geomatics, Natural Hazards and Risk, 2020, 11, 821-844.	2.0	40
29	A Review on Mixed Reality: Current Trends, Challenges and Prospects. Applied Sciences (Switzerland), 2020, 10, 636.	1.3	152
30	Spatial modeling of long-term air temperatures for sustainability: evolutionary fuzzy approach and neuro-fuzzy methods. PeerJ, 2020, 8, e8882.	0.9	1
31	Groundwater Potential Mapping Using an Integrated Ensemble of Three Bivariate Statistical Models with Random Forest and Logistic Model Tree Models. Water (Switzerland), 2019, 11, 1596.	1.2	55
32	Spatial Cluster-Based Model for Static Rebalancing Bike Sharing Problem. Sustainability, 2019, 11, 3205.	1.6	13
33	A Context-Aware Route Finding Algorithm for Self-Driving Tourists Using Ontology. Electronics (Switzerland), 2019, 8, 808.	1.8	5
34	Multilevel Design for the Interior of 3D Fabrications. Symmetry, 2019, 11, 1029.	1.1	2
35	A GIS-based decision support system for facilitating participatory urban renewal process. Land Use Policy, 2019, 88, 104150.	2.5	38
36	A Novel Method for Emotion Extraction From Paintings Based on Luscherâ€™s Psychological Color Test: Case Study Iranian-Islamic Paintings. IEEE Access, 2019, 7, 120857-120871.	2.6	8

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37	Geospatial Information System-Based Modeling Approach for Leakage Management in Urban Water Distribution Networks. Water (Switzerland), 2019, 11, 1736.	1.2	6
38	Flexible Patterns for Soft 3D Printed Fabrications. Symmetry, 2019, 11, 1398.	1.1	6
39	An Improved Route-Finding Algorithm Using Ubiquitous Ontology-Based Experiences Modeling. Complexity, 2019, 2019, 1-15.	0.9	1
40	Volumetric Analysis of 3-D-Cultured Colonies in Wet Alginate Spots Using 384-Pillar Plate. SLAS Technology, 2018, 23, 226-230.	1.0	4
41	Semantic interoperability of GIS and MCDA tools for environmental assessment and decision making. Environmental Modelling and Software, 2018, 100, 104-122.	1.9	35
42	A methodological framework for assessment of ubiquitous cities using ANP and DEMATEL methods. Sustainable Cities and Society, 2018, 37, 608-618.	5.1	60
43	Interactive and Immersive Learning Using 360° Virtual Reality Contents on Mobile Platforms. Mobile Information Systems, 2018, 2018, 1-12.	0.4	20
44	Drone Trajectory Planning Based on Geographic Information System for 3D Urban Modeling. , 2018, , .		8
45	Enhancing response coordination through the assessment of response network structural dynamics. PLoS ONE, 2018, 13, e0191130.	1.1	15
46	Saliency-Guided Stereo Camera Control for Comfortable VR Explorations. IEICE Transactions on Information and Systems, 2017, E100.D, 2245-2248.	0.4	5
47	Fabrication of Face Molds and Silicone Masks using 3D Printing. Journal of KIISE, 2016, 43, 516-523.	0.0	1
48	Interactive Generation of Realistic Facial Wrinkles from Sketchy Drawings. Computer Graphics Forum, 2015, 34, 179-191.	1.8	6
49	Efficient stereo rendering of large 3D datasets based on binocular suppression. , 2015, , .		1
50	Stereoscopic 3D exploration of freeform architecture. Automation in Construction, 2014, 46, 1-10.	4.8	2
51	Vision-based animation of 3D facial avatars. , 2014, , .		2
52	HFM: Hybrid File Mapping Algorithm for SSD Space Utilization. Applied Mathematics and Information Sciences, 2014, 8, 2251-2265.	0.7	0
53	Realistic Skin Rendering for 3D Facial Makeup. Journal of Korea Multimedia Society, 2013, 16, 520-528.	0.1	2
54	Feature Detection and Simplification of 3D Face Data with Facial Expressions. ETRI Journal, 2012, 34, 791-794.	1.2	4

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55	Adaptive surface splatting for facial rendering. Computer Animation and Virtual Worlds, 2012, 23, 363-373.	0.7	4
56	Subsurface scattering using splat-based diffusion in point-based rendering. Science China Information Sciences, 2010, 53, 911-919.	2.7	5
57	Quantitative analysis of gated SPECT images using an efficient physical deformation model. Computers in Biology and Medicine, 2004, 34, 15-33.	3.9	2
58	Shape reconstruction from partially missing data in modal space. Computers and Graphics, 2002, 26, 701-708.	1.4	6
59	Modelling, visualization, and interaction techniques for diagnosis and treatment planning in cardiology. Computers and Graphics, 2000, 24, 741-753.	1.4	6