

# Soo-Mi Choi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5606928/publications.pdf>

Version: 2024-02-01

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	A Review on Mixed Reality: Current Trends, Challenges and Prospects. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 636.	1.3	152
2	A methodological framework for assessment of ubiquitous cities using ANP and DEMATEL methods. <i>Sustainable Cities and Society</i> , 2018, 37, 608-618.	5.1	60
3	Groundwater Potential Mapping Using an Integrated Ensemble of Three Bivariate Statistical Models with Random Forest and Logistic Model Tree Models. <i>Water (Switzerland)</i> , 2019, 11, 1596.	1.2	55
4	Ubiquitous GIS-Based Forest Fire Susceptibility Mapping Using Artificial Intelligence Methods. <i>Remote Sensing</i> , 2020, 12, 1689.	1.8	46
5	Gully erosion susceptibility mapping using artificial intelligence and statistical models. <i>Geomatics, Natural Hazards and Risk</i> , 2020, 11, 821-844.	2.0	40
6	A GIS-based decision support system for facilitating participatory urban renewal process. <i>Land Use Policy</i> , 2019, 88, 104150.	2.5	38
7	Semantic interoperability of GIS and MCDA tools for environmental assessment and decision making. <i>Environmental Modelling and Software</i> , 2018, 100, 104-122.	1.9	35
8	Asthma-prone areas modeling using a machine learning model. <i>Scientific Reports</i> , 2021, 11, 1912.	1.6	34
9	Improving groundwater potential mapping using metaheuristic approaches. <i>Hydrological Sciences Journal</i> , 2020, 65, 2729-2749.	1.2	31
10	Short-Term Traffic Flow Prediction Using the Modified Elman Recurrent Neural Network Optimized Through a Genetic Algorithm. <i>IEEE Access</i> , 2020, 8, 217526-217540.	2.6	30
11	Comparison between Multi-Criteria Decision-Making Methods and Evaluating the Quality of Life at Different Spatial Levels. <i>Sustainability</i> , 2021, 13, 4067.	1.6	30
12	Effects of air pollution in Spatio-temporal modeling of asthma-prone areas using a machine learning model. <i>Environmental Research</i> , 2021, 200, 111344.	3.7	27
13	A Survey of Marker-Less Tracking and Registration Techniques for Health & Environmental Applications to Augmented Reality and Ubiquitous Geospatial Information Systems. <i>Sensors</i> , 2020, 20, 2997.	2.1	24
14	Interactive and Immersive Learning Using 360° Virtual Reality Contents on Mobile Platforms. <i>Mobile Information Systems</i> , 2018, 2018, 1-12.	0.4	20
15	Evaluation of Tree-Based Machine Learning Algorithms for Accident Risk Mapping Caused by Driver Lack of Alertness at a National Scale. <i>Sustainability</i> , 2021, 13, 10239.	1.6	18
16	An Aerial Mixed-Reality Environment for First-Person-View Drone Flying. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5436.	1.3	17
17	COVID-19 Risk Mapping with Considering Socio-Economic Criteria Using Machine Learning Algorithms. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9657.	1.2	17
18	Enhancing response coordination through the assessment of response network structural dynamics. <i>PLoS ONE</i> , 2018, 13, e0191130.	1.1	15

#	ARTICLE	IF	CITATIONS
19	Spatial Modeling of Asthma-Prone Areas Using Remote Sensing and Ensemble Machine Learning Algorithms. <i>Remote Sensing</i> , 2021, 13, 3222.	1.8	14
20	A Practical Model for the Evaluation of High School Student Performance Based on Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11534.	1.3	14
21	Spatial Cluster-Based Model for Static Rebalancing Bike Sharing Problem. <i>Sustainability</i> , 2019, 11, 3205.	1.6	13
22	Spatial-Temporal Analysis of Point Distribution Pattern of Schools Using Spatial Autocorrelation Indices in Bojnourd City. <i>Sustainability</i> , 2020, 12, 7755.	1.6	13
23	Performance Analysis of IoT-Based Health and Environment WSN Deployment. <i>Sensors</i> , 2020, 20, 5923.	2.1	12
24	Artificial Intelligence Applications in K-12 Education: A Systematic Literature Review. <i>IEEE Access</i> , 2022, 10, 61905-61921.	2.6	12
25	A Survey of GIS and IoT Integration: Applications and Architecture. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10365.	1.3	10
26	Personalized Augmented Reality Based Tourism System: Big Data and User Demographic Contexts. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6047.	1.3	9
27	Drone Trajectory Planning Based on Geographic Information System for 3D Urban Modeling. , 2018, , .		8
28	A Novel Method for Emotion Extraction From Paintings Based on Luscher's Psychological Color Test: Case Study Iranian-Islamic Paintings. <i>IEEE Access</i> , 2019, 7, 120857-120871.	2.6	8
29	Coronavirus disease vulnerability map using a geographic information system (GIS) from 16 April to 16 May 2020. <i>Physics and Chemistry of the Earth</i> , 2022, 126, 103043.	1.2	8
30	Design, Implementation, and Evaluation of an Immersive Virtual Reality-Based Educational Game for Learning Topology Relations at Schools: A Case Study. <i>Sustainability</i> , 2021, 13, 13066.	1.6	7
31	Modelling, visualization, and interaction techniques for diagnosis and treatment planning in cardiology. <i>Computers and Graphics</i> , 2000, 24, 741-753.	1.4	6
32	Shape reconstruction from partially missing data in modal space. <i>Computers and Graphics</i> , 2002, 26, 701-708.	1.4	6
33	Interactive Generation of Realistic Facial Wrinkles from Sketchy Drawings. <i>Computer Graphics Forum</i> , 2015, 34, 179-191.	1.8	6
34	Geospatial Information System-Based Modeling Approach for Leakage Management in Urban Water Distribution Networks. <i>Water (Switzerland)</i> , 2019, 11, 1736.	1.2	6
35	Flexible Patterns for Soft 3D Printed Fabrications. <i>Symmetry</i> , 2019, 11, 1398.	1.1	6
36	Spatio-temporal modelling of asthma-prone areas using a machine learning optimized with metaheuristic algorithms. <i>Geocarto International</i> , 2022, 37, 9917-9942.	1.7	6

#	ARTICLE	IF	CITATIONS
37	Subsurface scattering using splat-based diffusion in point-based rendering. Science China Information Sciences, 2010, 53, 911-919.	2.7	5
38	Saliency-Guided Stereo Camera Control for Comfortable VR Explorations. IEICE Transactions on Information and Systems, 2017, E100.D, 2245-2248.	0.4	5
39	A Context-Aware Route Finding Algorithm for Self-Driving Tourists Using Ontology. Electronics (Switzerland), 2019, 8, 808.	1.8	5
40	A Volunteered Geographic Information-Based Environmental Decision Support System for Waste Management and Decision Making. Sustainability, 2020, 12, 6012.	1.6	5
41	Feature Detection and Simplification of 3D Face Data with Facial Expressions. ETRI Journal, 2012, 34, 791-794.	1.2	4
42	Adaptive surface splatting for facial rendering. Computer Animation and Virtual Worlds, 2012, 23, 363-373.	0.7	4
43	Volumetric Analysis of 3-D-Cultured Colonies in Wet Alginate Spots Using 384-Pillar Plate. SLAS Technology, 2018, 23, 226-230.	1.0	4
44	Ubiquitous Tourist System Based on Multicriteria Decision Making and Augmented Reality. Applied Sciences (Switzerland), 2022, 12, 5241.	1.3	4
45	Modeling Population Spatial-Temporal Distribution Using Taxis Origin and Destination Data. Sustainability, 2021, 13, 3727.	1.6	3
46	Multi-User Drone Flight Training in Mixed Reality. Electronics (Switzerland), 2021, 10, 2521.	1.8	3
47	Quantitative analysis of gated SPECT images using an efficient physical deformation model. Computers in Biology and Medicine, 2004, 34, 15-33.	3.9	2
48	Stereoscopic 3D exploration of freeform architecture. Automation in Construction, 2014, 46, 1-10.	4.8	2
49	Vision-based animation of 3D facial avatars. , 2014, , .		2
50	Multilevel Design for the Interior of 3D Fabrications. Symmetry, 2019, 11, 1029.	1.1	2
51	Realistic Skin Rendering for 3D Facial Makeup. Journal of Korea Multimedia Society, 2013, 16, 520-528.	0.1	2
52	Augmented reality-based border management. Virtual Reality, 2022, 26, 1123-1143.	4.1	2
53	Efficient stereo rendering of large 3D datasets based on binocular suppression. , 2015, , .		1
54	An Improved Route-Finding Algorithm Using Ubiquitous Ontology-Based Experiences Modeling. Complexity, 2019, 2019, 1-15.	0.9	1

#	ARTICLE	IF	CITATIONS
55	Fabrication of Face Molds and Silicone Masks using 3D Printing. Journal of KIISE, 2016, 43, 516-523.	0.0	1
56	Spatial modeling of long-term air temperatures for sustainability: evolutionary fuzzy approach and neuro-fuzzy methods. PeerJ, 2020, 8, e8882.	0.9	1
57	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
58	HFM: Hybrid File Mapping Algorithm for SSD Space Utilization. Applied Mathematics and Information Sciences, 2014, 8, 2251-2265.	0.7	0
59	An approach for measuring spatial similarity among COVID-19 epicenters. Geo-Spatial Information Science, 2023, 26, 496-513.	2.4	0