

Seungjun Roh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Comparison of the Embodied Carbon Emissions and Direct Construction Costs for Modular and Conventional Residential Buildings in South Korea. <i>Buildings</i> , 2022, 12, 51.	3.1	21
2	Major Building Materials in Terms of Environmental Impact Evaluation of School Buildings in South Korea. <i>Buildings</i> , 2022, 12, 498.	3.1	2
3	Analysis of the Characteristics of Environmental Impacts According to the Cut-Off Criteria Applicable to the Streamlined Life Cycle Assessment (S-LCA) of Apartment Buildings in South Korea. <i>Sustainability</i> , 2021, 13, 2898.	3.2	5
4	Performance Evaluation of Buried Concrete Pipe Considering Soil Pressure and Crack Propagation Using 3D Finite Element Analysis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3292.	2.5	5
5	State-of-the-Art Modification of Plastic Aggregates Using Gamma Irradiation and Its Optimization for Application to Cementitious Composites. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10340.	2.5	4
6	Deriving Major Fire Risk Evaluation Items Utilizing Spatial Information Convergence Technology in Dense Areas of Small Obsolete Buildings. <i>Sustainability</i> , 2021, 13, 12593.	3.2	5
7	Mechanical Properties of Cement Composites Using Modified Plastics by Gamma Irradiation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11982.	2.5	1
8	Analysis of Major Environmental Impact Categories of Road Construction Materials. <i>Sustainability</i> , 2020, 12, 6951.	3.2	25
9	Environmental Evaluation of Concrete Containing Recycled and By-Product Aggregates Based on Life Cycle Assessment. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7503.	2.5	23
10	Identifying the Major Construction Wastes in the Building Construction Phase Based on Life Cycle Assessments. <i>Sustainability</i> , 2020, 12, 8096.	3.2	18
11	Probabilistic Analysis of Major Construction Materials in the Life Cycle Embodied Environmental Cost of Korean Apartment Buildings. <i>Sustainability</i> , 2019, 11, 846.	3.2	6
12	Analysis of Life Cycle Environmental Impact of Recycled Aggregate. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1021.	2.5	38
13	Evaluation of Building Energy and Daylight Performance of Electrochromic Glazing for Optimal Control in Three Different Climate Zones. <i>Sustainability</i> , 2019, 11, 287.	3.2	15
14	Analysis of Worker Category Social Impacts in Different Types of Concrete Plant Operations: A Case Study in South Korea. <i>Sustainability</i> , 2018, 10, 3661.	3.2	3
15	Deducing the Optimal Control Method for Electrochromic Triple Glazing through an Integrated Evaluation of Building Energy and Daylight Performance. <i>Energies</i> , 2018, 11, 2205.	3.1	14
16	Analysis of Embodied Environmental Impacts of Korean Apartment Buildings Considering Major Building Materials. <i>Sustainability</i> , 2018, 10, 1693.	3.2	17
17	Analysis of the Primary Building Materials in Support of G-SEED Life Cycle Assessment in South Korea. <i>Sustainability</i> , 2018, 10, 2820.	3.2	11
18	Development of a Streamlined Environmental Life Cycle Costing Model for Buildings in South Korea. <i>Sustainability</i> , 2018, 10, 1733.	3.2	11

#	ARTICLE	IF	CITATIONS
19	Developing a Green Building Index (GBI) Certification System to Effectively Reduce Carbon Emissions in South Korea's Building Industry. Sustainability, 2018, 10, 1872.	3.2	19
20	An integrated assessment system for managing life cycle CO2 emissions of a building. Renewable and Sustainable Energy Reviews, 2017, 73, 265-275.	16.4	46
21	Evaluating the embodied environmental impacts of major building tasks and materials of apartment buildings in Korea. Renewable and Sustainable Energy Reviews, 2017, 73, 135-144.	16.4	39
22	Development of low carbon durability design for green apartment buildings in South Korea. Renewable and Sustainable Energy Reviews, 2017, 77, 263-272.	16.4	15
23	Integrated building life-cycle assessment model to support South Korea's green building certification system (G-SEED). Renewable and Sustainable Energy Reviews, 2017, 76, 43-50.	16.4	38
24	Building Simplified Life Cycle CO2 Emissions Assessment Tool (BSCAT) to Support Low-Carbon Building Design in South Korea. Sustainability, 2016, 8, 567.	3.2	22
25	Development of a building life cycle carbon emissions assessment program (BEGAS 2.0) for Korea's green building index certification system. Renewable and Sustainable Energy Reviews, 2016, 53, 954-965.	16.4	48
26	Green Template for Life Cycle Assessment of Buildings Based on Building Information Modeling: Focus on Embodied Environmental Impact. Sustainability, 2015, 7, 16498-16512.	3.2	95
27	Assessment of GHG Emission Reduction Performance for Certification Criteria of Korea Green Building Scheme (G-SEED) - Focusing on Materials and Resources Category -. Advanced Materials Research, 2014, 1025-1026, 1074-1078.	0.3	1
28	Development of an optimum design program (SUSB-OPTIMUM) for the life cycle CO2 assessment of an apartment house in Korea. Building and Environment, 2014, 73, 40-54.	6.9	29
29	Development of building materials embodied greenhouse gases assessment criteria and system (BEGAS) in the newly revised Korea Green Building Certification System (G-SEED). Renewable and Sustainable Energy Reviews, 2014, 35, 410-421.	16.4	43
30	Environment-Friendly Assessment of Passive Apartment House Based on Major Building Materials in Korea. Advanced Materials Research, 2014, 905, 199-202.	0.3	1
31	Assessment of the CO2 emission and cost reduction performance of a low-carbon-emission concrete mix design using an optimal mix design system. Renewable and Sustainable Energy Reviews, 2013, 25, 729-741.	16.4	83
32	The development of environmental load evaluation system of a standard Korean apartment house. Renewable and Sustainable Energy Reviews, 2011, 15, 1239-1249.	16.4	30
33	The development of apartment house life cycle CO2 simple assessment system using standard apartment houses of South Korea. Renewable and Sustainable Energy Reviews, 2011, 15, 1454-1467.	16.4	76
34	Proposal of a Simplified Environmental Assessment Method Based on Major Building Materials for School Buildings in Korea. Advanced Materials Research, 0, 905, 353-356.	0.3	1