

Sungho Tae

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.

50
papers

923
citations

16
h-index

29
g-index

51
ext. papers

1,047
ext. citations

6.9
avg, IF

4.77
L-index

#	Paper	IF	Citations
50	Major Building Materials in Terms of Environmental Impact Evaluation of School Buildings in South Korea. <i>Buildings</i> , 2022 , 12, 498	3.2	
49	Establishment and Utilization Plans of Apartment Housing Envelope System Database. <i>Sustainability</i> , 2022 , 14, 4859	3.6	
48	Evaluation Model for Particulate Matter Emissions in Korean Construction Sites. <i>Sustainability</i> , 2021 , 13, 11428	3.6	2
47	Prediction of the Energy Self-Sufficiency Rate of Major New Renewable Energy Types Based on Zero-Energy Building Certification Cases in South Korea. <i>Sustainability</i> , 2021 , 13, 11552	3.6	
46	Development of IoT-Based Particulate Matter Monitoring System for Construction Sites. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
45	Development of Building Information Modeling Template for Environmental Impact Assessment. <i>Sustainability</i> , 2021 , 13, 3092	3.6	2
44	Technology for Predicting Particulate Matter Emissions at Construction Sites in South Korea. <i>Sustainability</i> , 2021 , 13, 13792	3.6	1
43	Calculation Methods of Emission Factors and Emissions of Fugitive Particulate Matter in South Korean Construction Sites. <i>Sustainability</i> , 2020 , 12, 9802	3.6	5
42	Development of a Decision Support Model Based on Machine Learning for Applying Greenhouse Gas Reduction Technology. <i>Sustainability</i> , 2020 , 12, 3582	3.6	3
41	Scenarios for Life Cycle Studies of Bridge Concrete Structure Maintenance. <i>Sustainability</i> , 2020 , 12, 9557	3.6	2
40	Probabilistic Analysis of Major Construction Materials in the Life Cycle Embodied Environmental Cost of Korean Apartment Buildings. <i>Sustainability</i> , 2019 , 11, 846	3.6	3
39	Energy Demand Forecast Models for Commercial Buildings in South Korea. <i>Energies</i> , 2019 , 12, 2313	3.1	8
38	A Study on the Limitations of South Korea's National Roadmap for Greenhouse Gas Reduction by 2030 and Suggestions for Improvement. <i>Sustainability</i> , 2019 , 11, 3969	3.6	15
37	Evaluation of Energy and Daylight Performance of Old Office Buildings in South Korea with Curtain Walls Remodeled Using Polymer Dispersed Liquid Crystal (PDLC) Films. <i>Energies</i> , 2019 , 12, 3679	3.1	11
36	Development of a Green Building Materials Integrated Platform Based on Materials and Resources in G-SEED in South Korea. <i>Sustainability</i> , 2019 , 11, 6532	3.6	4
35	A Study on the Analysis of CO2 Emissions of Apartment Housing in the Construction Process. <i>Sustainability</i> , 2018 , 10, 365	3.6	17
34	Analysis of Heating and Cooling Loads of Electrochromic Glazing in High-Rise Residential Buildings in South Korea. <i>Sustainability</i> , 2018 , 10, 1121	3.6	13

33	Development of a Streamlined Environmental Life Cycle Costing Model for Buildings in South Korea. <i>Sustainability</i> , 2018 , 10, 1733	3.6	7
32	Developing a Green Building Index (GBI) Certification System to Effectively Reduce Carbon Emissions in South Korea's Building Industry. <i>Sustainability</i> , 2018 , 10, 1872	3.6	11
31	Theoretical Study on the Production of Environment-Friendly Recycled Cement Using Inorganic Construction Wastes as Secondary Materials in South Korea. <i>Sustainability</i> , 2018 , 10, 4449	3.6	15
30	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	3.6	1
29	Analysis of Embodied Environmental Impacts of Korean Apartment Buildings Considering Major Building Materials. <i>Sustainability</i> , 2018 , 10, 1693	3.6	13
28	Analysis of the Primary Building Materials in Support of G-SEED Life Cycle Assessment in South Korea. <i>Sustainability</i> , 2018 , 10, 2820	3.6	5
27	An integrated assessment system for managing life cycle CO2 emissions of a building. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 265-275	16.2	33
26	Evaluating the embodied environmental impacts of major building tasks and materials of apartment buildings in Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 135-144	16.2	32
25	Development of low carbon durability design for green apartment buildings in South Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 77, 263-272	16.2	11
24	Integrated building life-cycle assessment model to support South Korea's green building certification system (G-SEED). <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 76, 43-50	16.2	25
23	Proposal for the Evaluation of Eco-Efficient Concrete. <i>Sustainability</i> , 2016 , 8, 705	3.6	6
22	Impact of Business Portfolio Diversification on Construction Company Insolvency in Korea. <i>Journal of Management in Engineering - ASCE</i> , 2016 , 32, 05016003	5.3	9
21	Development of a building life cycle carbon emissions assessment program (BEGAS 2.0) for Korea's green building index certification system. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 53, 954-965	16.2	36
20	Suggestions of Policy Direction to Improve the Housing Quality in South Korea. <i>Sustainability</i> , 2016 , 8, 438	3.6	6
19	Analysis of Environmental Impact for Concrete Using LCA by Varying the Recycling Components, the Compressive Strength and the Admixture Material Mixing. <i>Sustainability</i> , 2016 , 8, 389	3.6	28
18	Building Simplified Life Cycle CO2 Emissions Assessment Tool (B-SCAT) to Support Low-Carbon Building Design in South Korea. <i>Sustainability</i> , 2016 , 8, 567	3.6	16
17	Life Cycle CO2 Assessment by Block Type Changes of Apartment Housing. <i>Sustainability</i> , 2016 , 8, 752	3.6	14
16	LDA-Based Model for Measuring Impact of Change Orders in Apartment Projects and Its Application for Prerisk Assessment and Postevaluation. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 04015011	4.2	7

15	Life Cycle Assessment Applied to Green Building Certification in South Korea. <i>Procedia Engineering</i> , 2015 , 118, 1309-1313		6
14	A Study on the Sustainable Building Technologies Considering to Performance of Greenhouse Gas Emission Reduction. <i>Procedia Engineering</i> , 2015 , 118, 1305-1308		5
13	Profit Distribution in Guaranteed Savings Contracts: Determination Based on the Collar Option Model. <i>Sustainability</i> , 2015 , 7, 16273-16289	3.6	8
12	Green Template for Life Cycle Assessment of Buildings Based on Building Information Modeling: Focus on Embodied Environmental Impact. <i>Sustainability</i> , 2015 , 7, 16498-16512	3.6	74
11	Development of an optimum design program (SUSB-OPTIMUM) for the life cycle CO2 assessment of an apartment house in Korea. <i>Building and Environment</i> , 2014 , 73, 40-54	6.5	27
10	Development of building materials embodied greenhouse gases assessment criteria and system (BEGAS) in the newly revised Korea Green Building Certification System (G-SEED). <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 35, 410-421	16.2	33
9	Assessment of the CO2 emission and cost reduction performance of a low-carbon-emission concrete mix design using an optimal mix design system. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 25, 729-741	16.2	62
8	Life cycle CO2 assessment of concrete by compressive strength on construction site in Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 2940-2946	16.2	49
7	Life cycle environmental loads and economic efficiencies of apartment buildings built with plaster board drywall. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 4145-4155	16.2	14
6	Life cycle CO2 evaluation on reinforced concrete structures with high-strength concrete. <i>Environmental Impact Assessment Review</i> , 2011 , 31, 253-260	5.3	81
5	The development of environmental load evaluation system of a standard Korean apartment house. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 1239-1249	16.2	30
4	The development of apartment house life cycle CO2 simple assessment system using standard apartment houses of South Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 1454-1467	16.2	68
3	Evaluation of Mechanical Performance of Corroded Reinforcement Considering the Surface Shape. <i>ISIJ International</i> , 2009 , 49, 1392-1400	1.7	7
2	Development of a Life Cycle Assessment Program for building (SUSB-LCA) in South Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2009 , 13, 1994-2002	16.2	55
1	Current work and future trends for sustainable buildings in South Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2009 , 13, 1910-1921	16.2	42