

Sungho Tae

List of Publications by Year in descending order

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51
papers

1,212
citations

361045

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377514

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docs citations

51
times ranked

978
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Life cycle CO2 evaluation on reinforced concrete structures with high-strength concrete. Environmental Impact Assessment Review, 2011, 31, 253-260. | 4.4 | 99 |
| 2 | Green Template for Life Cycle Assessment of Buildings Based on Building Information Modeling: Focus on Embodied Environmental Impact. Sustainability, 2015, 7, 16498-16512. | 1.6 | 95 |
| 3 | 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. | 8.2 | 83 |
| 4 | 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. | 8.2 | 76 |
| 5 | Development of a Life Cycle Assessment Program for building (SUSB-LCA) in South Korea. Renewable and Sustainable Energy Reviews, 2009, 13, 1994-2002. | 8.2 | 62 |
| 6 | Life cycle CO2 assessment of concrete by compressive strength on construction site in Korea. Renewable and Sustainable Energy Reviews, 2012, 16, 2940-2946. | 8.2 | 62 |
| 7 | 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. | 8.2 | 48 |
| 8 | Current work and future trends for sustainable buildings in South Korea. Renewable and Sustainable Energy Reviews, 2009, 13, 1910-1921. | 8.2 | 47 |
| 9 | An integrated assessment system for managing life cycle CO2 emissions of a building. Renewable and Sustainable Energy Reviews, 2017, 73, 265-275. | 8.2 | 46 |
| 10 | 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. | 8.2 | 43 |
| 11 | Analysis of Environmental Impact for Concrete Using LCA by Varying the Recycling Components, the Compressive Strength and the Admixture Material Mixing. Sustainability, 2016, 8, 389. | 1.6 | 41 |
| 12 | 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. | 8.2 | 39 |
| 13 | 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. | 8.2 | 38 |
| 14 | The development of environmental load evaluation system of a standard Korean apartment house. Renewable and Sustainable Energy Reviews, 2011, 15, 1239-1249. | 8.2 | 30 |
| 15 | 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. | 3.0 | 29 |
| 16 | A Study on the Analysis of CO2 Emissions of Apartment Housing in the Construction Process. Sustainability, 2018, 10, 365. | 1.6 | 25 |
| 17 | Analysis of Heating and Cooling Loads of Electrochromic Glazing in High-Rise Residential Buildings in South Korea. Sustainability, 2018, 10, 1121. | 1.6 | 23 |
| 18 | Building Simplified Life Cycle CO2 Emissions Assessment Tool (B&S-CAT) to Support Low-Carbon Building Design in South Korea. Sustainability, 2016, 8, 567. | 1.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A Study on the Limitations of South Korea's National Roadmap for Greenhouse Gas Reduction by 2030 and Suggestions for Improvement. Sustainability, 2019, 11, 3969. | 1.6 | 22 |
| 20 | Evaluation of Energy and Daylight Performance of Old Office Buildings in South Korea with Curtain Walls Remodeled Using Polymer Dispersed Liquid Crystal (PDLC) Films. Energies, 2019, 12, 3679. | 1.6 | 22 |
| 21 | Theoretical Study on the Production of Environment-Friendly Recycled Cement Using Inorganic Construction Wastes as Secondary Materials in South Korea. Sustainability, 2018, 10, 4449. | 1.6 | 20 |
| 22 | Developing a Green Building Index (GBI) Certification System to Effectively Reduce Carbon Emissions in South Korea's Building Industry. Sustainability, 2018, 10, 1872. | 1.6 | 19 |
| 23 | Analysis of Embodied Environmental Impacts of Korean Apartment Buildings Considering Major Building Materials. Sustainability, 2018, 10, 1693. | 1.6 | 17 |
| 24 | Life Cycle CO2 Assessment by Block Type Changes of Apartment Housing. Sustainability, 2016, 8, 752. | 1.6 | 15 |
| 25 | Development of low carbon durability design for green apartment buildings in South Korea. Renewable and Sustainable Energy Reviews, 2017, 77, 263-272. | 8.2 | 15 |
| 26 | Life cycle environmental loads and economic efficiencies of apartment buildings built with plaster board drywall. Renewable and Sustainable Energy Reviews, 2011, 15, 4145-4155. | 8.2 | 14 |
| 27 | Impact of Business Portfolio Diversification on Construction Company Insolvency in Korea. Journal of Management in Engineering - ASCE, 2016, 32, . | 2.6 | 13 |
| 28 | LDA-Based Model for Measuring Impact of Change Orders in Apartment Projects and Its Application for Prerisk Assessment and Postevaluation. Journal of Construction Engineering and Management - ASCE, 2015, 141, . | 2.0 | 12 |
| 29 | Analysis of the Primary Building Materials in Support of G-SEED Life Cycle Assessment in South Korea. Sustainability, 2018, 10, 2820. | 1.6 | 11 |
| 30 | Development of a Streamlined Environmental Life Cycle Costing Model for Buildings in South Korea. Sustainability, 2018, 10, 1733. | 1.6 | 11 |
| 31 | Energy Demand Forecast Models for Commercial Buildings in South Korea. Energies, 2019, 12, 2313. | 1.6 | 11 |
| 32 | Profit Distribution in Guaranteed Savings Contracts: Determination Based on the Collar Option Model. Sustainability, 2015, 7, 16273-16289. | 1.6 | 10 |
| 33 | Proposal for the Evaluation of Eco-Efficient Concrete. Sustainability, 2016, 8, 705. | 1.6 | 9 |
| 34 | Development of a Green Building Materials Integrated Platform Based on Materials and Resources in G-SEED in South Korea. Sustainability, 2019, 11, 6532. | 1.6 | 9 |
| 35 | Evaluation of Mechanical Performance of Corroded Reinforcement Considering the Surface Shape. ISIJ International, 2009, 49, 1392-1400. | 0.6 | 7 |
| 36 | Calculation Methods of Emission Factors and Emissions of Fugitive Particulate Matter in South Korean Construction Sites. Sustainability, 2020, 12, 9802. | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Development of Building Information Modeling Template for Environmental Impact Assessment. Sustainability, 2021, 13, 3092. | 1.6 | 7 |
| 38 | Development of IoT-Based Particulate Matter Monitoring System for Construction Sites. International Journal of Environmental Research and Public Health, 2021, 18, 11510. | 1.2 | 7 |
| 39 | Life Cycle Assessment Applied to Green Building Certification in South Korea. Procedia Engineering, 2015, 118, 1309-1313. | 1.2 | 6 |
| 40 | A Study on the Sustainable Building Technologies Considering to Performance of Greenhouse Gas Emission Reduction. Procedia Engineering, 2015, 118, 1305-1308. | 1.2 | 6 |
| 41 | Suggestions of Policy Direction to Improve the Housing Quality in South Korea. Sustainability, 2016, 8, 438. | 1.6 | 6 |
| 42 | Probabilistic Analysis of Major Construction Materials in the Life Cycle Embodied Environmental Cost of Korean Apartment Buildings. Sustainability, 2019, 11, 846. | 1.6 | 6 |
| 43 | Scenarios for Life Cycle Studies of Bridge Concrete Structure Maintenance. Sustainability, 2020, 12, 9557. | 1.6 | 5 |
| 44 | Development of a Decision Support Model Based on Machine Learning for Applying Greenhouse Gas Reduction Technology. Sustainability, 2020, 12, 3582. | 1.6 | 5 |
| 45 | Evaluation Model for Particulate Matter Emissions in Korean Construction Sites. Sustainability, 2021, 13, 11428. | 1.6 | 4 |
| 46 | Analysis of Worker Category Social Impacts in Different Types of Concrete Plant Operations: A Case Study in South Korea. Sustainability, 2018, 10, 3661. | 1.6 | 3 |
| 47 | Major Building Materials in Terms of Environmental Impact Evaluation of School Buildings in South Korea. Buildings, 2022, 12, 498. | 1.4 | 2 |
| 48 | Prediction of the Energy Self-Sufficiency Rate of Major New Renewable Energy Types Based on Zero-Energy Building Certification Cases in South Korea. Sustainability, 2021, 13, 11552. | 1.6 | 1 |
| 49 | Technology for Predicting Particulate Matter Emissions at Construction Sites in South Korea. Sustainability, 2021, 13, 13792. | 1.6 | 1 |
| 50 | Life-Cycle Assessment of Apartment Buildings Based on Standard Quantities of Building Materials Using Probabilistic Analysis Technique. Materials, 2022, 15, 4103. | 1.3 | 1 |
| 51 | Establishment and Utilization Plans of Apartment Housing Envelope System Database. Sustainability, 2022, 14, 4859. | 1.6 | 0 |