

# Won-Jun Park

## List of Publications by Year in descending order

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35  
papers

939  
citations

567281

15  
h-index

434195

31  
g-index

35  
all docs

35  
docs citations

35  
times ranked

857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties enhancement of recycled aggregate concrete through pretreatment of coarse aggregates â€“ Comparative assessment of assorted techniques. Journal of Cleaner Production, 2018, 191, 339-349.	9.3	151
2	CO2 emission reduction by reuse of building material waste in the Japanese cement industry. Renewable and Sustainable Energy Reviews, 2014, 38, 796-810.	16.4	129
3	Early-age behavior of recycled aggregate concrete under steam curing regime. Journal of Cleaner Production, 2017, 152, 103-114.	9.3	91
4	Slag waste incorporation in high early strength concrete as cement replacement: Environmental impact and influence on hydration & durability attributes. Journal of Cleaner Production, 2018, 172, 3056-3065.	9.3	90
5	Influence of bonded mortar of recycled concrete aggregates on interfacial characteristics â€“ Porosity assessment based on pore segmentation from backscattered electron image analysis. Construction and Building Materials, 2019, 212, 149-163.	7.2	68
6	Experimental study on the development of compressive strength of early concrete age using calcium-based hardening accelerator and high early strength cement. Construction and Building Materials, 2014, 64, 208-214.	7.2	48
7	Analysis of Life Cycle Environmental Impact of Recycled Aggregate. Applied Sciences (Switzerland), 2019, 9, 1021.	2.5	38
8	Development of a Prediction Model for Demolition Waste Generation Using a Random Forest Algorithm Based on Small DataSets. International Journal of Environmental Research and Public Health, 2020, 17, 6997.	2.6	31
9	Durability of slag waste incorporated steel fiber-reinforced concrete in marine environment. Journal of Building Engineering, 2021, 33, 101641.	3.4	31
10	Influence of cement and aggregate type on steam-cured concrete â€“ an experimental study. Magazine of Concrete Research, 2017, 69, 694-702.	2.0	27
11	Analysis of Major Environmental Impact Categories of Road Construction Materials. Sustainability, 2020, 12, 6951.	3.2	25
12	Environmental Evaluation of Concrete Containing Recycled and By-Product Aggregates Based on Life Cycle Assessment. Applied Sciences (Switzerland), 2020, 10, 7503.	2.5	23
13	Modulus of elasticity of recycled aggregate concrete. Magazine of Concrete Research, 2015, 67, 585-591.	2.0	20
14	Optimization of Steam-Curing Regime for Recycled Aggregate Concrete Incorporating High Early Strength Cementâ€”A Parametric Study. Materials, 2018, 11, 2487.	2.9	20
15	Identifying the Major Construction Wastes in the Building Construction Phase Based on Life Cycle Assessments. Sustainability, 2020, 12, 8096.	3.2	18
16	Deicing Concrete Pavements and Roads with Carbon Nanotubes (CNTs) as Heating Elements. Materials, 2020, 13, 2504.	2.9	16
17	Evaluation on the Surface Modification of Recycled Fine Aggregates in Aqueous H <sub>2</sub> SiF <sub>6</sub> Solution. International Journal of Concrete Structures and Materials, 2018, 12, .	3.2	15
18	An Electrochemical Study to Evaluate the Effect of Calcium Nitrite Inhibitor to Mitigate the Corrosion of Reinforcement in Sodium Chloride Contaminated Ca(OH) <sub>2</sub> Solution. Advances in Materials Science and Engineering, 2017, 2017, 1-14.	1.8	12

#	ARTICLE	IF	CITATIONS
19	A Study of the Energy Efficiency Management in Green Standard for Energy and Environmental Design (G-SEED)-Certified Apartments in South Korea. Sustainability, 2018, 10, 3402.	3.2	11
20	Numerical Validation of Two-Parameter Weibull Model for Assessing Failure Fatigue Lives of Laminated Cementitious Compositesâ€”Comparative Assessment of Modeling Approaches. Materials, 2019, 12, 110.	2.9	11
21	Estimation of Rock Load of Multi-Arch Tunnel with Cracks Using Stress Variable Method. Applied Sciences (Switzerland), 2020, 10, 3285.	2.5	10
22	Steam-cured recycled aggregate concrete incorporating moderately high early strength cement: effect of binder content and curing conditions. SN Applied Sciences, 2019, 1, 1.	2.9	8
23	Combustion and Mechanical Properties of Polymer-Modified Cement Mortar at High Temperature. Advances in Materials Science and Engineering, 2017, 2017, 1-10.	1.8	6
24	Analysis of Waste Generation Characteristics during New Apartment Constructionâ€”Considering the Construction Phase. International Journal of Environmental Research and Public Health, 2019, 16, 3485.	2.6	6
25	Simulation of Indoor Fire Dynamics of Residential Buildings with Full-Scale Fire Test. Sustainability, 2021, 13, 4897.	3.2	6
26	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. Sustainability, 2021, 13, 2898.	3.2	5
27	Performance Evaluation of Buried Concrete Pipe Considering Soil Pressure and Crack Propagation Using 3D Finite Element Analysis. Applied Sciences (Switzerland), 2021, 11, 3292.	2.5	5
28	Deriving Major Fire Risk Evaluation Items Utilizing Spatial Information Convergence Technology in Dense Areas of Small Obsolete Buildings. Sustainability, 2021, 13, 12593.	3.2	5
29	Fundamental properties and mechanical characteristics of high performance cement composite with steel fibres under high temperature. Journal of Structural Integrity and Maintenance, 2016, 1, 189-196.	1.5	3
30	Study on the Improvement of Expected Energy Savings and Actual Energy Savings in Apartments. Sustainability, 2018, 10, 1089.	3.2	3
31	Properties of Cement Mortar Using Limestone Sludge Powder Modified with Recycled Acetic Acid. Sustainability, 2019, 11, 879.	3.2	3
32	Effect of SIFRCCs with Varying Steel Fiber Volume Fractions on Flexural Behavior. Applied Sciences (Switzerland), 2020, 10, 2072.	2.5	3
33	Life Extension of Aged Jointed Plain Concrete Pavement through Remodeling Indexâ€”Based Analysis. Materials, 2020, 13, 2982.	2.9	1
34	Properties of Ready Mixed Acrylic Paste for Exterior Insulation Using Pozzolanic Materials and Atomizing Slag. Advances in Materials Science and Engineering, 2018, 2018, 1-12.	1.8	0
35	Properties of External Insulation Surface Preparation Mortar Using Expandable Graphite for Fire Resistance. Sustainability, 2019, 11, 6882.	3.2	0