

Ilhwan You

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.

22
papers

670
citations

10
h-index

23
g-index

23
ext. papers

887
ext. citations

7.1
avg, IF

4.66
L-index

#	Paper	IF	Citations
22	Stretchable array of CdSe/ZnS quantum-dot light emitting diodes for visual display of bio-signals. <i>Chemical Engineering Journal</i> , 2022 , 427, 130858	14.7	6
21	Effect of Si/Al molar ratio on the strength behavior of geopolymer derived from various industrial waste: A current state of the art review. <i>Construction and Building Materials</i> , 2022 , 329, 127134	6.7	0
20	Utilization of liquid crystal display (LCD) glass waste in concrete: A review. <i>Cement and Concrete Composites</i> , 2022 , 104542	8.6	0
19	Self-sensing capacity of ultra-high-performance fiber-reinforced concrete containing conductive powders in tension. <i>Cement and Concrete Composites</i> , 2021 , 104331	8.6	2
18	Performance of glass-blended cement produced by intergrinding and separate grinding methods. <i>Cement and Concrete Composites</i> , 2021 , 118, 103937	8.6	3
17	Liquid crystal display glass powder as a filler for enhancing steel fiber pullout resistance in ultra-high-performance concrete. <i>Journal of Building Engineering</i> , 2021 , 33, 101846	5.2	8
16	Effects of waste liquid crystal display glass powder and fiber geometry on the mechanical properties of ultra-high-performance concrete. <i>Construction and Building Materials</i> , 2021 , 266, 120938	6.7	10
15	Deposition of nanosilica particles on fiber surface for improving interfacial bond and tensile performances of ultra-high-performance fiber-reinforced concrete. <i>Composites Part B: Engineering</i> , 2021 , 221, 109030	10	14
14	Toward smart net zero energy structures: Development of cement-based structural energy material for contact electrification driven energy harvesting and storage. <i>Nano Energy</i> , 2021 , 89, 106389 ^{17.1}	17.1	4
13	Wireless cement-based sensor for self-monitoring of railway concrete infrastructures. <i>Automation in Construction</i> , 2020 , 119, 103323	9.6	14
12	Influence of Carbon Fiber Incorporation on Electrical Conductivity of Cement Composites. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8993	2.6	4
11	Implication of calcium sulfoaluminate-based expansive agent on tensile behavior of ultra-high-performance fiber-reinforced concrete. <i>Construction and Building Materials</i> , 2019 , 217, 679-693 ^{6.7}	6.7	6
10	Durability of Concrete Containing Liquid Crystal Display Glass Powder for Pavement. <i>ACI Materials Journal</i> , 2019 , 116,	0.9	4
9	Effects of carbon nanomaterial type and amount on self-sensing capacity of cement paste. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 134, 750-761	4.6	37
8	A simplified probabilistic model for the combined action of carbonation and chloride ingress. <i>Magazine of Concrete Research</i> , 2019 , 71, 327-340	2	5
7	Electrical and piezoresistive properties of cement composites with carbon nanomaterials. <i>Journal of Composite Materials</i> , 2018 , 52, 3325-3340	2.7	37
6	Electrical and piezoresistive sensing capacities of cement paste with multi-walled carbon nanotubes. <i>Archives of Civil and Mechanical Engineering</i> , 2018 , 18, 371-384	3.4	45

5	Electrical Properties of Cement-Based Composites with Carbon Nanotubes, Graphene, and Graphite Nanofibers. <i>Sensors</i> , 2017 , 17,	3.8	88
4	Electrical and Self-Sensing Properties of Ultra-High-Performance Fiber-Reinforced Concrete with Carbon Nanotubes. <i>Sensors</i> , 2017 , 17,	3.8	52
3	Experimental Investigation of the Piezoresistive Properties of Cement Composites with Hybrid Carbon Fibers and Nanotubes. <i>Sensors</i> , 2017 , 17,	3.8	60
2	Stretchable Active Matrix Temperature Sensor Array of Polyaniline Nanofibers for Electronic Skin. <i>Advanced Materials</i> , 2016 , 28, 930-5	24	264
1	Pozzolanic reaction of the waste glass sludge incorporating precipitation additives. <i>Computers and Concrete</i> , 2016 , 17, 255-269		7