Ilhwan You

List of Publications by Citations

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 Active Matrix Temperature Sensor Array of Polyaniline Nanofibers for Electronic Skin. *Advanced Materials*, **2016**, 28, 930-5	24	264
21	Electrical Properties of Cement-Based Composites with Carbon Nanotubes, Graphene, and Graphite Nanofibers. *Sensors*, **2017**, 17,	3.8	88
20	Experimental Investigation of the Piezoresistive Properties of Cement Composites with Hybrid Carbon Fibers and Nanotubes. *Sensors*, **2017**, 17,	3.8	60
19	Electrical and Self-Sensing Properties of Ultra-High-Performance Fiber-Reinforced Concrete with Carbon Nanotubes. *Sensors*, **2017**, 17,	3.8	52
18	Electrical and piezoresistive sensing capacities of cement paste with multi-walled carbon nanotubes. *Archives of Civil and Mechanical Engineering*, **2018**, 18, 371-384	3.4	45
17	Electrical and piezoresistive properties of cement composites with carbon nanomaterials. *Journal of Composite Materials*, **2018**, 52, 3325-3340	2.7	37
16	Effects of carbon nanomaterial type and amount on self-sensing capacity of cement paste. *Measurement: Journal of the International Measurement Confederation*, **2019**, 134, 750-761	4.6	37
15	Wireless cement-based sensor for self-monitoring of railway concrete infrastructures. *Automation in Construction*, **2020**, 119, 103323	9.6	14
14	Deposition of nanosilica particles on fiber surface for improving interfacial bond and tensile performances of ultra-high-performance fiber-reinforced concrete. *Composites Part B: Engineering*, **2021**, 221, 109030	10	14
13	Effects of waste liquid□rystal display glass powder and fiber geometry on the mechanical properties of ultra-high-performance concrete. *Construction and Building Materials*, **2021**, 266, 120938	6.7	10
12	Liquid crystal display glass powder as a filler for enhancing steel fiber pullout resistance in ultra-high-performance concrete. *Journal of Building Engineering*, **2021**, 33, 101846	5.2	8
11	Pozzolanic reaction of the waste glass sludge incorporating precipitation additives. *Computers and Concrete*, **2016**, 17, 255-269		7
10	Implication of calcium sulfoaluminate-based expansive agent on tensile behavior of ultra-high-performance fiber-reinforced concrete. *Construction and Building Materials*, **2019**, 217, 679-693	6.7	6
9	Stretchable array of CdSe/ZnS quantum-dot light emitting diodes for visual display of bio-signals. *Chemical Engineering Journal*, **2022**, 427, 130858	14.7	6
8	A simplified probabilistic model for the combined action of carbonation and chloride ingress. *Magazine of Concrete Research*, **2019**, 71, 327-340	2	5
7	Durability of Concrete Containing Liquid Crystal Display Glass Powder for Pavement. *ACI Materials Journal*, **2019**, 116,	0.9	4
6	Influence of Carbon Fiber Incorporation on Electrical Conductivity of Cement Composites. *Applied Sciences (Switzerland)*, **2020**, 10, 8993	2.6	4

5	Toward smart net zero energy structures: Development of cement-based structural energy material for contact electrification driven energy harvesting and storage. *Nano Energy*, **2021**, 89, 106389	17.1	4
4	Performance of glass-blended cement produced by intergrinding and separate grinding methods. *Cement and Concrete Composites*, **2021**, 118, 103937	8.6	3
3	Self-sensing capacity of ultra-high-performance fiber-reinforced concrete containing conductive powders in tension. *Cement and Concrete Composites*, **2021**, 104331	8.6	2
2	Effect of Si/Al molar ratio on the strength behavior of geopolymer derived from various industrial waste: A current state of the art review. *Construction and Building Materials*, **2022**, 329, 127134	6.7	0
1	Utilization of liquid crystal display (LCD) glass waste in concrete: A review. *Cement and Concrete Composites*, **2022**, 104542	8.6	0