

# Grkan Yildirim

## List of Publications by Citations

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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.

45  
papers

1,497  
citations

24  
h-index

38  
g-index

46  
ext. papers

1,865  
ext. citations

4.6  
avg, IF

5.24  
L-index

#	Paper	IF	Citations
45	Self-healing capability of cementitious composites incorporating different supplementary cementitious materials. <i>Cement and Concrete Composites</i> , <b>2013</b> , 35, 89-101	8.6	194
44	Effect of mixing methods on the electrical properties of cementitious composites incorporating different carbon-based materials. <i>Construction and Building Materials</i> , <b>2016</b> , 104, 160-168	6.7	113
43	Electrical percolation threshold of cementitious composites possessing self-sensing functionality incorporating different carbon-based materials. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 105005	3.4	91
42	A review of intrinsic self-healing capability of engineered cementitious composites: Recovery of transport and mechanical properties. <i>Construction and Building Materials</i> , <b>2015</b> , 101, 10-21	6.7	88
41	Self-healing performance of aged cementitious composites. <i>Cement and Concrete Composites</i> , <b>2018</b> , 87, 172-186	8.6	81
40	Nano-modification to improve the ductility of cementitious composites. <i>Cement and Concrete Research</i> , <b>2015</b> , 76, 170-179	10.3	73
39	Assessment of self-sensing capability of Engineered Cementitious Composites within the elastic and plastic ranges of cyclic flexural loading. <i>Construction and Building Materials</i> , <b>2017</b> , 145, 1-10	6.7	72
38	Piezoresistive behavior of CF- and CNT-based reinforced concrete beams subjected to static flexural loading: Shear failure investigation. <i>Construction and Building Materials</i> , <b>2018</b> , 168, 266-279	6.7	70
37	Influence of Hydrated Lime Addition on the Self-Healing Capability of High-Volume Fly Ash Incorporated Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , <b>2015</b> , 27, 04014187	3	56
36	Influence of cracking and healing on the gas permeability of cementitious composites. <i>Construction and Building Materials</i> , <b>2015</b> , 85, 217-226	6.7	49
35	Self-sensing capability of Engineered Cementitious Composites: Effects of aging and loading conditions. <i>Construction and Building Materials</i> , <b>2020</b> , 231, 117132	6.7	47
34	Deflection-hardening hybrid fiber reinforced concrete: The effect of aggregate content. <i>Construction and Building Materials</i> , <b>2016</b> , 125, 41-52	6.7	46
33	Estimating the self-healing capability of cementitious composites through non-destructive electrical-based monitoring. <i>NDT and E International</i> , <b>2015</b> , 76, 26-37	4.1	44
32	Effect of Self-Healing on the Different Transport Properties of Cementitious Composites. <i>Journal of Advanced Concrete Technology</i> , <b>2015</b> , 13, 112-123	2.3	44
31	Nano-tailored multi-functional cementitious composites. <i>Composites Part B: Engineering</i> , <b>2020</b> , 182, 107670		41
30	Investigation of the Bond between Concrete Substrate and ECC Overlays. <i>Journal of Materials in Civil Engineering</i> , <b>2014</b> , 26, 167-174	3	38
29	High-early-strength ductile cementitious composites with characteristics of low early-age shrinkage for repair of infrastructures. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2015</b> , 48, 1389-1403	3.4	37

28	Effect of Corrosion on Shear Behavior of Reinforced Engineered Cementitious Composite Beams. <i>ACI Structural Journal</i> , <b>2015</b> , 112,	1.7	33
27	Self-healing ability of cementitious composites: effect of addition of pre-soaked expanded perlite. <i>Magazine of Concrete Research</i> , <b>2014</b> , 66, 409-419	2	31
26	Influence of Cyclic Frost Deterioration on Water Sorptivity of Microcracked Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , <b>2016</b> , 28, 04015159	3	28
25	Assessing the self-healing capability of cementitious composites under increasing sustained loading. <i>Advances in Cement Research</i> , <b>2015</b> , 27, 581-592	1.8	28
24	Impact resistance of deflection-hardening fiber reinforced concretes with different mixture parameters. <i>Structural Concrete</i> , <b>2019</b> , 20, 1036-1050	2.6	25
23	Comparison of shear behaviour of engineered cementitious composite and normal concrete beams with different shear span lengths. <i>Magazine of Concrete Research</i> , <b>2016</b> , 68, 217-228	2	24
22	Dimensional stability of deflection-hardening hybrid fiber reinforced concretes with coarse aggregate: Suppressing restrained shrinkage cracking. <i>Structural Concrete</i> , <b>2019</b> , 20, 836-850	2.6	24
21	Assessing the self-healing capability of cementitious composites under increasing sustained loading. <i>Advances in Cement Research</i> , <b>2015</b> , 27, 581-592	1.8	17
20	Properties of geopolymer sourced from construction and demolition waste: A review. <i>Journal of Building Engineering</i> , <b>2022</b> , 104104	5.2	15
19	Impact behaviour of nanomodified deflection-hardening fibre-reinforced concretes. <i>Magazine of Concrete Research</i> , <b>2020</b> , 72, 865-887	2	15
18	Tests of high-performance fiber-reinforced concrete beams with different shear span-to-depth ratios and main longitudinal reinforcement. <i>Journal of Reinforced Plastics and Composites</i> , <b>2015</b> , 34, 1491-1505	2.9	14
17	Construction and demolition waste-based geopolymers suited for use in 3-dimensional additive manufacturing. <i>Cement and Concrete Composites</i> , <b>2021</b> , 121, 104088	8.6	13
16	Performance of engineered cementitious composites under drop-weight impact: Effect of different mixture parameters. <i>Structural Concrete</i> , <b>2020</b> , 21, 1051-1070	2.6	10
15	Development of alkali-activated binders from recycled mixed masonry-originated waste. <i>Journal of Building Engineering</i> , <b>2021</b> , 33, 101690	5.2	10
14	Development of gravitational search algorithm model for predicting packing density of cementitious pastes. <i>Journal of Building Engineering</i> , <b>2020</b> , 27, 100946	5.2	6
13	Effects of Mixture Design Parameters on the Mechanical Behavior of High-Performance Fiber-Reinforced Concretes. <i>Journal of Materials in Civil Engineering</i> , <b>2020</b> , 32, 04020368	3	4
12	Influence of mixing methods on the NO <sub>x</sub> reduction capability and electrical properties of photocatalytic cementitious systems. <i>Cement and Concrete Composites</i> , <b>2021</b> , 115, 103840	8.6	4
11	Experimental investigations on the structural behaviour of reinforced geopolymer beams produced from recycled construction materials. <i>Journal of Building Engineering</i> , <b>2021</b> , 41, 102776	5.2	3

10	Self-monitoring of flexural fatigue damage in large-scale steel-reinforced cementitious composite beams. <i>Cement and Concrete Composites</i> , <b>2021</b> , 123, 104183	8.6	2
9	Demountable connections of reinforced concrete structures: Review and future developments. <i>Structures</i> , <b>2021</b> , 34, 3028-3039	3.4	2
8	Rheological properties and compressive strength of construction and demolition waste-based geopolymer mortars for 3D-Printing. <i>Construction and Building Materials</i> , <b>2022</b> , 328, 127114	6.7	2
7	Self-Sensing Behavior Under Monotonic and Cyclic Loadings of ECC Containing Electrically Conductive Carbon-Based Materials. <i>Lecture Notes in Civil Engineering</i> , <b>2018</b> , 566-576	0.3	1
6	Shear behaviour of reinforced construction and demolition waste-based geopolymer concrete beams. <i>Journal of Building Engineering</i> , <b>2022</b> , 47, 103861	5.2	1
5	The effect of chemical- versus microbial-induced calcium carbonate mineralization on the enhancement of fine recycled concrete aggregate: A comparative study. <i>Journal of Building Engineering</i> , <b>2021</b> , 103316	5.2	1
4	Role of inclusion size distribution of titanium dioxide on the nitrogen oxides reduction capability and microstructural characteristics of cementitious systems. <i>Construction and Building Materials</i> , <b>2022</b> , 318, 125992	6.7	0
3	Multifunctional smart nanoconcretes <b>2020</b> , 419-445		
2	Autogenous Self-healing Assessment of 1-Year-Old Cementitious Composites. <i>RILEM Bookseries</i> , <b>2021</b> , 39-48	0.5	
1	Determination of Autogenous Self-healing Capability of Cementitious Composites Through Non-destructive Testing. <i>RILEM Bookseries</i> , <b>2021</b> , 25-38	0.5	