Nilufer Ozyurt Zihnioglu

List of Publications by Year
in descending order

26 papers	1,213 citations	567144 15 h-index	642610 23 g-index
26 all docs	26 docs citations	26 times ranked	968 citing authors

#	Article	IF	Citations
1	Improved strength and durability of fly ash-amended concrete by microbial calcite precipitation. Ecological Engineering, 2011, 37, 554-559.	1.6	214
2	High mechanical performance of fibre reinforced cementitious composites: the role of â€œcasting-flow inducedâ€•fibre orientation. Materials and Structures/Materiaux Et Constructions, 2011, 44, 109-128.	1.3	210
3	Correlation of fiber dispersion, rheology and mechanical performance of FRCs. Cement and Concrete Composites, 2007, 29, 70-79.	4.6	122
4	High performance concrete under elevated temperatures. Construction and Building Materials, 2013, 44, 317-328.	3.2	118
5	Non-destructive monitoring of fiber orientation using AC-IS: An industrial-scale application. Cement and Concrete Research, 2006, 36, 1653-1660.	4.6	91
6	Rheology of fiber-reinforced cementitious materials. Cement and Concrete Research, 2007, 37, 191-199.	4.6	91
7	Characterizing fiber dispersion in cement composites using AC-Impedance Spectroscopy. Cement and Concrete Composites, 2005, 27, 627-636.	4.6	80
8	Effects of re-curing on residual mechanical properties of concrete after high temperature exposure. Construction and Building Materials, 2018, 159, 540-552.	3.2	46
9	To what extent does the fiber orientation affect mechanical performance?. Construction and Building Materials, 2013, 44, 671-681.	3.2	45
10	Effects of re-curing on microstructure of concrete after high temperature exposure. Construction and Building Materials, 2018, 168, 431-441.	3.2	44
11	Deterioration and recovery of FRC after high temperature exposure. Cement and Concrete Composites, 2018, 93, 260-273.	4.6	22
12	Post-fire mechanical behavior and recovery of structural reinforced concrete beams. Construction and Building Materials, 2020, 253, 119188.	3.2	18
13	Characterization of hardened state behavior of self compacting fiber-reinforced cementitious composites (SC-FRCC's) with different beam sizes and fiber types. Composites Part B: Engineering, 2016, 105, 30-45.	5.9	17
14	Variation of Flexural Performance Parameters Depending on Specimen Size and Fiber Properties. Journal of Materials in Civil Engineering, 2020, 32, 04020054.	1.3	17
15	A comparative study on the performance of RCC for pavements casted in laboratory and field. International Journal of Pavement Engineering, 2022, 23, 1777-1790.	2.2	16
16	Sustainability and cost-effectiveness of steel and polypropylene fiber reinforced concrete pavement mixtures. Journal of Cleaner Production, 2022, 363, 132582.	4.6	16
17	Particle image velocimetry (PIV) to evaluate fresh and hardened state properties of self compacting fiber-reinforced cementitious composites (SC-FRCCs). Construction and Building Materials, 2015, 78, 450-463.	3.2	12
18	Blind competition on the numerical simulation of steelâ€fiberâ€reinforced concrete beams failing in shear. Structural Concrete, 2021, 22, 939-967.	1.5	10

#	Article	IF	Citations
19	Evaluation of mechanical properties and structural behaviour of concrete pavements produced with virgin and recycled aggregates: an experimental and numerical study. International Journal of Pavement Engineering, 2022, 23, 5239-5253.	2.2	8
20	Mode I and mixed mode fracture studies in brittle materials using the Brazilian disc specimen. Materials and Structures/Materiaux Et Constructions, 2005, 38, 305-312.	1.3	5
21	Corrosion and Chloride Diffusivity of Reinforced Concrete Cracked under Sustained Flexure. Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, 2020, 31, 10315-10337.	0.5	4
22	Effect of pre-saturated lightweight sand on material properties of eco-friendly lightweight cementitious composites. Journal of Sustainable Cement-Based Materials, 2023, 12, 561-579.	1.7	3
23	Mechanical Behavior and Recovery of FRC after High Temperature Exposure. Key Engineering Materials, 2016, 711, 457-464.	0.4	2
24	NON-DESTRUCTIVE MONITORING OF FIBER DISPERSION IN FRCS USING AC-IMPEDANCE SPECTROSCOPY. , 2006, , 285-290.		2
25	Mechanical Properties and Structural Requirements of Recycled Aggregate Concrete for Pavements. , 0, , .		0
26	Effects of Polypropylene Macro Fibers on the Structural Requirements, Cost and Environmental Impact of Concrete Pavements. , 0, , .		0