

Mehran Khan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8568880/publications.pdf>

Version: 2024-02-01

33
papers

2,010
citations

201575

27
h-index

477173

29
g-index

34
all docs

34
docs citations

34
times ranked

596
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement in concrete behavior with fly ash, silica-fume and coconut fibres. Construction and Building Materials, 2019, 203, 174-187.	3.2	178
2	Use of glass and nylon fibers in concrete for controlling early age micro cracking in bridge decks. Construction and Building Materials, 2016, 125, 800-808.	3.2	136
3	Efficiency of silica-fume content in plain and natural fiber reinforced concrete for concrete road. Construction and Building Materials, 2020, 244, 118382.	3.2	113
4	Effect of basalt fibers on mechanical properties of calcium carbonate whisker-steel fiber reinforced concrete. Construction and Building Materials, 2018, 192, 742-753.	3.2	104
5	Effect of Coconut Fiber Length and Content on Properties of High Strength Concrete. Materials, 2020, 13, 1075.	1.3	101
6	Effect of super plasticizer on the properties of medium strength concrete prepared with coconut fiber. Construction and Building Materials, 2018, 182, 703-715.	3.2	99
7	Effect of silica-fume content on performance of CaCO ₃ whisker and basalt fiber at matrix interface in cement-based composites. Construction and Building Materials, 2021, 300, 124046.	3.2	84
8	Effectiveness of hair and wave polypropylene fibers for concrete roads. Construction and Building Materials, 2018, 166, 581-591.	3.2	83
9	Properties of hybrid steel-basalt fiber reinforced concrete exposed to different surrounding conditions. Construction and Building Materials, 2022, 322, 126340.	3.2	70
10	Efficiency of basalt fiber length and content on mechanical and microstructural properties of hybrid fiber concrete. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2135-2152.	1.7	69
11	Experimental and analytical study of hybrid fiber reinforced concrete prepared with basalt fiber under high temperature. Fire and Materials, 2022, 46, 205-226.	0.9	66
12	Review on different testing methods and factors affecting fracture properties of fiber reinforced cementitious composites. Construction and Building Materials, 2021, 273, 121766.	3.2	65
13	Cracking behaviour and constitutive modelling of hybrid fibre reinforced concrete. Journal of Building Engineering, 2020, 30, 101272.	1.6	57
14	Effect of Short Fiber Reinforcements on Fracture Performance of Cement-Based Materials: A Systematic Review Approach. Materials, 2021, 14, 1745.	1.3	57
15	Hybrid fiber concrete with different basalt fiber length and content. Structural Concrete, 2022, 23, 346-364.	1.5	57
16	Assessment of fiber factor for the fracture toughness of polyethylene fiber reinforced geopolymer. Construction and Building Materials, 2022, 319, 126130.	3.2	57
17	Improvement of boundary effect model in multi-scale hybrid fibers reinforced cementitious composite and prediction of its structural failure behavior. Composites Part B: Engineering, 2021, 224, 109219.	5.9	52
18	Different testing methods for assessing the synthetic fiber distribution in cement-based composites. Construction and Building Materials, 2018, 184, 128-142.	3.2	51

#	ARTICLE	IF	CITATIONS
19	Efficiency of Supplementary Cementitious Materials and Natural Fiber on Mechanical Performance of Concrete. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 8577-8589.	1.7	51
20	Effectiveness of multiscale hybrid fiber reinforced cementitious composites under single degree of freedom hydraulic shaking table. <i>Structural Concrete</i> , 2021, 22, 535-549.	1.5	50
21	Uniaxial Tensile Behavior, Flexural Properties, Empirical Calculation and Microstructure of Multi-Scale Fiber Reinforced Cement-Based Material at Elevated Temperature. <i>Materials</i> , 2021, 14, 1827.	1.3	50
22	Preparation and applications of calcium carbonate whisker with a special focus on construction materials. <i>Construction and Building Materials</i> , 2020, 236, 117613.	3.2	48
23	Effectiveness of hybrid steel-basalt fiber reinforced concrete under compression. <i>Case Studies in Construction Materials</i> , 2022, 16, e00941.	0.8	48
24	Experimental evaluation on fiber distribution characteristics and mechanical properties of calcium carbonate whisker modified hybrid fibers reinforced cementitious composites. <i>Construction and Building Materials</i> , 2020, 265, 120292.	3.2	42
25	Basalt Fibers in Modified Whisker Reinforced Cementitious Composites. <i>Periodica Polytechnica: Civil Engineering</i> , 0, , .	0.6	39
26	Effect of different PVA and steel fiber length and content on mechanical properties of CaCO ₃ whisker reinforced cementitious composites. <i>Materiales De Construccion</i> , 2019, 69, 200.	0.2	36
27	Effect of hybrid basalt fibre length and content on properties of cementitious composites. <i>Magazine of Concrete Research</i> , 2021, 73, 487-498.	0.9	35
28	Effect of hybrid fibers, calcium carbonate whisker and coarse sand on mechanical properties of cement-based composites. <i>Materiales De Construccion</i> , 2018, 68, 156.	0.2	34
29	Improving the Tensile Energy Absorption of High Strength Natural Fiber Reinforced Concrete with Fly-Ash for Bridge Girders. <i>Key Engineering Materials</i> , 0, 765, 335-342.	0.4	21
30	Effectiveness of Calcium Carbonate Whisker in Cementitious Composites. <i>Periodica Polytechnica: Civil Engineering</i> , 0, , .	0.6	20
31	Modeling and Solution Techniques Used for Hydro Generation Scheduling. <i>Water (Switzerland)</i> , 2019, 11, 1392.	1.2	18
32	Optimization of concrete stiffeners for confined brick masonry structures. <i>Journal of Building Engineering</i> , 2020, 32, 101689.	1.6	13
33	Influence of CaCO ₃ whiskers, steel fibers and basalt fibers hybridization on flexural toughness of concrete. , 2019, , .		2