

Julie E Mills

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,298
citations

230014

27
h-index

286692

43
g-index

44
all docs

44
docs citations

44
times ranked

1243
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical performance and durability of geopolymer lightweight rubber concrete. <i>Journal of Building Engineering</i> , 2022, 45, 103608.	1.6	26
2	Practical Application of Crumb Rubber Concrete in Residential Slabs. <i>Structures</i> , 2022, 36, 837-853.	1.7	11
3	Push-off and Pull-out Bond Behaviour of CRC Composite Slabs – An Experimental Investigation. <i>Engineering Structures</i> , 2021, 228, 111480.	2.6	20
4	Practical Rubber Pre-Treatment Approach for Concrete Use – An Experimental Study. <i>Journal of Composites Science</i> , 2021, 5, 143.	1.4	37
5	Performance of crumb rubber concrete composite-deck slabs in 4-point-bending. <i>Journal of Building Engineering</i> , 2021, 40, 102695.	1.6	10
6	Bond behaviour between crumb rubberized concrete and deformed steel bars. <i>Structures</i> , 2021, 34, 2115-2133.	1.7	6
7	Bond behaviour of steel-reinforcing bars in Crumb Rubber Concrete (CRC). <i>Australian Journal of Civil Engineering</i> , 2020, 18, 2-17.	0.6	16
8	A comprehensive review on the mechanical properties of waste tire rubber concrete. <i>Construction and Building Materials</i> , 2020, 237, 117651.	3.2	233
9	Experimental study on crumb rubberised concrete (CRC) and reinforced CRC slabs under static and impact loads. <i>Australian Journal of Structural Engineering</i> , 2020, 21, 294-306.	0.4	11
10	Case Study of the Structural Performance of Composite Slabs with Low Strength CRC Delivered by Concrete Truck. <i>Case Studies in Construction Materials</i> , 2020, 13, e00453.	0.8	5
11	Creep and drying shrinkage behaviour of crumb rubber concrete (CRC). <i>Australian Journal of Civil Engineering</i> , 2020, 18, 187-204.	0.6	10
12	Development of Crumb Rubber Concrete for Practical Application in the Residential Construction Sector – Design and Processing. <i>Construction and Building Materials</i> , 2020, 260, 119813.	3.2	74
13	Structural performance of composite panels made of profiled steel skins and foam rubberised concrete under axial compressive loads. <i>Engineering Structures</i> , 2020, 211, 110448.	2.6	32
14	Influence of rubber particles on the properties of foam concrete. <i>Journal of Building Engineering</i> , 2020, 30, 101217.	1.6	41
15	Structural behaviour of composite panels made of profiled steel sheets and foam rubberised concrete under monotonic and cyclic shearing loads. <i>Thin-Walled Structures</i> , 2020, 151, 106726.	2.7	26
16	Experimental Study on Compressive Behavior of FRP-Confined Expansive Rubberized Concrete. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	31
17	Axial Compression Behaviour of Hybrid Double-Skin Tubular Columns Filled with Rubcrete. <i>Journal of Composites Science</i> , 2019, 3, 62.	1.4	35
18	Novel approach to improve crumb rubber concrete strength using thermal treatment. <i>Construction and Building Materials</i> , 2019, 229, 116901.	3.2	77

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19	Cyclic Performance of Steel-Concrete Steel Sandwich Beams with Rubcrete and LECA Concrete Core. Journal of Composites Science, 2019, 3, 5.	1.4	15
20	Influence of Mixing Procedures, Rubber Treatment, and Fibre Additives on Rubcrete Performance. Journal of Composites Science, 2019, 3, 41.	1.4	70
21	Compressive stress strain behavior of crumb rubber concrete (CRC) and application in reinforced CRC slab. Construction and Building Materials, 2018, 166, 745-759.	3.2	110
22	Cyclic performance of bolted cruciform and splice connectors in retrofitted transmission tower legs. Thin-Walled Structures, 2018, 122, 264-285.	2.7	8
23	A review of transmission line systems under downburst wind loads. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 179, 503-513.	1.7	35
24	An experimental investigation of the mechanical performance and structural application of LECA-Rubcrete. Construction and Building Materials, 2018, 175, 239-253.	3.2	50
25	Performance of segmental self-centering rubberized concrete columns under different loading directions. Journal of Building Engineering, 2018, 20, 285-302.	1.6	33
26	In-plane flexural strength of unbonded post-tensioned concrete masonry walls. Engineering Structures, 2017, 136, 245-260.	2.6	20
27	Seismic Performance of Precast Posttensioned Segmental FRP-Confined and Unconfined Crumb Rubber Concrete Columns. Journal of Composites for Construction, 2017, 21, .	1.7	55
28	Mechanical performance of FRP-confined and unconfined crumb rubber concrete containing high rubber content. Journal of Building Engineering, 2017, 11, 115-126.	1.6	121
29	Simplified approach to predict the flexural strength of self-centering masonry walls. Engineering Structures, 2017, 142, 255-271.	2.6	7
30	Experimental investigations of reinforced rubberized concrete structural members. Journal of Building Engineering, 2017, 10, 149-165.	1.6	77
31	Retrofitting square columns using FRP-confined crumb rubber concrete to improve confinement efficiency. Construction and Building Materials, 2017, 153, 146-156.	3.2	41
32	Assessment of the mechanical performance of crumb rubber concrete. Construction and Building Materials, 2016, 125, 175-183.	3.2	201
33	Static cyclic behaviour of FRP-confined crumb rubber concrete columns. Engineering Structures, 2016, 113, 371-387.	2.6	92
34	Structural Performance of Bolted Connectors in Retrofitted Transmission Tower Leg Members. , 2015, , .		3
35	Experimental Investigation of Crumb Rubber Concrete Columns under Seismic Loading. Structures, 2015, 3, 13-27.	1.7	122
36	Modeling of retrofitted steel transmission towers. Journal of Constructional Steel Research, 2015, 112, 138-154.	1.7	21

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37	Displacement and plastic hinge length of FRP-confined circular reinforced concrete columns. <i>Engineering Structures</i> , 2015, 101, 465-476.	2.6	64
38	The structural effect of bolted splices on retrofitted transmission tower angle members. <i>Journal of Constructional Steel Research</i> , 2014, 95, 263-278.	1.7	31
39	Finite element modelling and dilation of FRP-confined concrete columns. <i>Engineering Structures</i> , 2014, 79, 70-85.	2.6	77
40	An experimental investigation of crumb rubber concrete confined by fibre reinforced polymer tubes. <i>Construction and Building Materials</i> , 2014, 53, 522-532.	3.2	210
41	Modelling of steel lattice tower angle legs reinforced for increased load capacity. <i>Engineering Structures</i> , 2012, 43, 160-168.	2.6	42
42	Experimental study on multi-panel retrofitted steel transmission towers. <i>Journal of Constructional Steel Research</i> , 2012, 78, 58-67.	1.7	38
43	Getting it together: Feminist interdisciplinary research on women and engineering. <i>Women's Studies International Forum</i> , 2011, 34, 13-19.	0.6	14
44	Engineering Ignorance: The Problem of Gender Equity in Engineering. <i>Frontiers</i> , 2009, 30, 89-106.	0.0	40