Julie Mills

List of Publications by Year
in descending order

79 papers	2,959 citations	147801 31 h-index	175258 52 g-index
81 all docs	81 docs citations	81 times ranked	1492 citing authors

#	Article	IF	Citations
1	A comprehensive review on the mechanical properties of waste tire rubber concrete. Construction and Building Materials, 2020, 237, 117651.	7.2	233
2	An experimental investigation of crumb rubber concrete confined by fibre reinforced polymer tubes. Construction and Building Materials, 2014, 53, 522-532.	7.2	210
3	Assessment of the mechanical performance of crumb rubber concrete. Construction and Building Materials, 2016, 125, 175-183.	7.2	201
4	Experimental Investigation of Crumb Rubber Concrete Columns under Seismic Loading. Structures, 2015, 3, 13-27.	3.6	122
5	Mechanical performance of FRP-confined and unconfined crumb rubber concrete containing high rubber content. Journal of Building Engineering, 2017, 11, 115-126.	3.4	121
6	Compressive stress strain behavior of crumb rubber concrete (CRC) and application in reinforced CRC slab. Construction and Building Materials, 2018, 166, 745-759.	7.2	110
7	Static cyclic behaviour of FRP-confined crumb rubber concrete columns. Engineering Structures, 2016, 113, 371-387.	5.3	92
8	Finite element modelling and dilation of FRP-confined concrete columns. Engineering Structures, 2014, 79, 70-85.	5.3	77
9	Experimental investigations of reinforced rubberized concrete structural members. Journal of Building Engineering, 2017, 10, 149-165.	3.4	77
10	Novel approach to improve crumb rubber concrete strength using thermal treatment. Construction and Building Materials, 2019, 229, 116901.	7.2	77
11	Development of Crumb Rubber Concrete for Practical Application in the Residential Construction Sector â€“ Design and Processing. Construction and Building Materials, 2020, 260, 119813.	7.2	74
12	Istillwanna be an engineer! Women, education and the engineering profession. European Journal of Engineering Education, 2008, 33, 391-402.	2.3	73
13	Influence of Mixing Procedures, Rubber Treatment, and Fibre Additives on Rubcrete Performance. Journal of Composites Science, 2019, 3, 41.	3.0	70
14	Displacement and plastic hinge length of FRP-confined circular reinforced concrete columns. Engineering Structures, 2015, 101, 465-476.	5.3	64
15	â€˜Yes, I do belongâ€™: the women who stay in engineering. Engineering Studies, 2013, 5, 216-232.	1.3	60
16	Seismic Performance of Precast Posttensioned Segmental FRP-Confined and Unconfined Crumb Rubber Concrete Columns. Journal of Composites for Construction, 2017, 21, .	3.2	55
17	An experimental investigation of the mechanical performance and structural application of LECA-Rubcrete. Construction and Building Materials, 2018, 175, 239-253.	7.2	50
18	Experimental investigation of the performance of concrete columns strengthened with fiber reinforced concrete jacket. Construction and Building Materials, 2019, 194, 51-61.	7.2	50

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19	DISRUPTING MASCULINITIES. Australian Feminist Studies, 2007, 22, 385-400.	0.6	43
20	Modelling of steel lattice tower angle legs reinforced for increased load capacity. Engineering Structures, 2012, 43, 160-168.	5.3	42
21	Retrofitting square columns using FRP-confined crumb rubber concrete to improve confinement efficiency. Construction and Building Materials, 2017, 153, 146-156.	7.2	41
22	Influence of rubber particles on the properties of foam concrete. Journal of Building Engineering, 2020, 30, 101217.	3.4	41
23	Engineering Ignorance: The Problem of Gender Equity in Engineering. Frontiers, 2009, 30, 89-106.	0.1	40
24	Experimental study on multi-panel retrofitted steel transmission towers. Journal of Constructional Steel Research, 2012, 78, 58-67.	3.9	38
25	Experimental Investigation of In-Plane Cyclic Response of Unbonded Posttensioned Masonry Walls. Journal of Structural Engineering, 2016, 142, .	3.4	38
26	Practical Rubber Pre-Treatment Approch for Concrete Useâ€"An Experimental Study. Journal of Composites Science, 2021, 5, 143.	3.0	37
27	Flawed Policy, Failed Politics? Challenging the Sexual Politics of Managing Diversity in Engineering Organizations. Gender, Work and Organization, 2012, 19, 555-572.	4.7	36
28	Self-Drilling Screw Joints for Cold-Formed Channel Portal Frames. Journal of Structural Engineering, 2004, 130, 1799-1806.	3.4	35
29	A review of transmission line systems under downburst wind loads. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 179, 503-513.	3.9	35
30	Axial Compression Behaviour of Hybrid Double-Skin Tubular Columns Filled with Rubcrete. Journal of Composites Science, 2019, 3, 62.	3.0	35
31	â€˜Oh you must be very clever!â€™ Highâ€achieving women, professional power and the ongoing negotiation of workplace identity. Gender and Education, 2008, 20, 223-236.	1.7	34
32	Performance of segmental self-centering rubberized concrete columns under different loading directions. Journal of Building Engineering, 2018, 20, 285-302.	3.4	33
33	Structural performance of composite panels made of profiled steel skins and foam rubberised concrete under axial compressive loads. Engineering Structures, 2020, 211, 110448.	5.3	32
34	The structural effect of bolted splices on retrofitted transmission tower angle members. Journal of Constructional Steel Research, 2014, 95, 263-278.	3.9	31
35	Experimental Study on Compressive Behavior of FRP-Confined Expansive Rubberized Concrete. Journal of Composites for Construction, 2020, 24, .	3.2	31
36	Forceâ€"displacement behavior of unbonded post-tensioned concrete walls. Engineering Structures, 2016, 106, 495-505.	5.3	29

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37	An analytical model for simulating steady state flows of downburst. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 115, 53-64.	3.9	27
38	Structural behaviour of composite panels made of profiled steel sheets and foam rubberised concrete under monotonic and cyclic shearing loads. Thin-Walled Structures, 2020, 151, 106726.	5.3	26
39	Mechanical performance and durability of geopolymer lightweight rubber concrete. Journal of Building Engineering, 2022, 45, 103608.	3.4	26
40	Modeling of retrofitted steel transmission towers. Journal of Constructional Steel Research, 2015, 112, 138-154.	3.9	21
41	Strength and Seismic Performance Factors of Posttensioned Masonry Walls. Journal of Structural Engineering, 2015, 141, .	3.4	20
42	In-plane flexural strength of unbonded post-tensioned concrete masonry walls. Engineering Structures, 2017, 136, 245-260.	5.3	20
43	Numerical simulation of downburst wind flow over real topography. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 172, 85-95.	3.9	20
44	Push-off and Pull-out Bond Behaviour of CRC Composite Slabs â€“ An Experimental Investigation. Engineering Structures, 2021, 228, 111480.	5.3	20
45	An IPD approach to construction education. Construction Economics and Building, 2013, 13, 93-103.	0.9	19
46	ENGINEERING IN AUSTRALIA: AN UNCOMFORTABLE EXPERIENCE FOR WOMEN. Journal of Women and Minorities in Science and Engineering, 2006, 12, 135-154.	0.8	19
47	Implementing an Inclusive Curriculum for Women in Engineering Education. Journal of Professional Issues in Engineering Education and Practice, 2003, 129, 203-210.	0.9	18
48	Empirical models for predicting unsteady-state downburst wind speeds. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 129, 49-63.	3.9	18
49	Assisting academics to identify computer generated writing. European Journal of Engineering Education, 2022, 47, 725-745.	2.3	17
50	Bond behaviour of steel-reinforcing bars in Crumb Rubber Concrete (CRC). Australian Journal of Civil Engineering, 2020, 18, 2-17.	1.6	16
51	Review of the Performance of High-Strength Rubberized Concrete and Its Potential Structural Applications. Advances in Civil Engineering Materials, 2016, 5, 20150026.	0.6	16
52	Cyclic Performance of Steelâ€“Concreteâ€“Steel Sandwich Beams with Rubcrete and LECA Concrete Core. Journal of Composites Science, 2019, 3, 5.	3.0	15
53	Getting it together: Feminist interdisciplinary research on women and engineering. Women's Studies International Forum, 2011, 34, 13-19.	1.1	14
54	A coupled parametric-CFD study for determining ages of downbursts through investigation of different field parameters. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 123, 30-42.	3.9	11

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55	Experimental study on crumb rubberised concrete (CRC) and reinforced CRC slabs under static and impact loads. Australian Journal of Structural Engineering, 2020, 21, 294-306.	1.1	11
56	Practical Application of Crumb Rubber Concrete in Residential Slabs. Structures, 2022, 36, 837-853.	3.6	11
57	Creep and drying shrinkage behaviour of crumb rubber concrete (CRC). Australian Journal of Civil Engineering, 2020, 18, 187-204.	1.6	10
58	Performance of crumb rubber concrete composite-deck slabs in 4-point-bending. Journal of Building Engineering, 2021, 40, 102695.	3.4	10
59	Cyclic performance of bolted cruciform and splice connectors in retrofitted transmission tower legs. Thin-Walled Structures, 2018, 122, 264-285.	5.3	8
60	An evaluation of design code expressions for estimating in-plane shear strength of partially grouted masonry walls. Australian Journal of Structural Engineering, 2014, 15, .	1.1	7
61	Simplified approach to predict the flexural strength of self-centering masonry walls. Engineering Structures, 2017, 142, 255-271.	5.3	7
62	Analytical Study of Forceâ€“Displacement Behavior and Ductility of Self-centering Segmental Concrete Columns. International Journal of Concrete Structures and Materials, 2017, 11, 489-511.	3.2	7
63	Buckling Analysis of Laminated Composite Plate on Tensionless Elastic Foundations Under Uniaxial Compression. International Journal of Structural Stability and Dynamics, 2018, 18, 1850079.	2.4	7
64	Using Projects to Teach Structural Engineering. Australian Journal of Structural Engineering, 2003, 4, 211-220.	1.1	6
65	Bond behaviour between crumb rubberized concrete and deformed steel bars. Structures, 2021, 34, 2115-2133.	3.6	6
66	Using wikis and blogs for assessment in firstâ€year engineering. Campus Wide Information Systems, 2009, 26, 424-432.	1.1	5
67	Local buckling of profiled skin sheets resting on tensionless elastic foundations under uniaxial compression. Thin-Walled Structures, 2016, 103, 81-89.	5.3	5
68	Unilateral contact buckling behaviour of orthotropic plates subjected to combined in-plane shear and bending. International Journal of Solids and Structures, 2018, 150, 135-153.	2.7	5
69	Case Study of the Structural Performance of Composite Slabs with Low Strength CRC Delivered by Concrete Truck. Case Studies in Construction Materials, 2020, 13, e00453.	1.7	5
70	Local buckling of profiled skin sheets resting on tensionless elastic foundations under in-plane shear loading. European Journal of Mechanics, A/Solids, 2016, 58, 131-139.	3.7	4
71	Structural Performance of Bolted Connectors in Retrofitted Transmission Tower Leg Members. , 2015, , .		3
72	Local buckling of thin plate on tensionless elastic foundations under interactive uniaxial compression and shear. Theoretical and Applied Mechanics Letters, 2018, 8, 75-82.	2.8	3

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73	Effect of Dimensions on the Compressive Strength of Concrete Masonry Prisms. Advances in Civil Engineering Materials, 2015, 4, 175-201.	0.6	3
74	Experimental Capacity Assessment of Cold-Formed Boxed Stud and C Stud Wall Systems Used in Australian Residential Construction. Journal of Structural Engineering, 2006, 132, 631-635.	3.4	2
75	Revisioning the Engineering Profession. Advances in Higher Education and Professional Development Book Series, 2017, , 156-175.	0.2	2
76	A Review of Skin Buckling Theory in Composite Members. Applied Mechanics and Materials, 0, 846, 312-317.	0.2	1
77	A Force Method Model for Static Analysis of Transmission Line System Subjected to in-Plane and Out-of-Plane Loadings. Advanced Materials Research, 0, 368-373, 3535-3538.	0.3	0
78	Pre-stressed Segmental Retaining Walls (PSRWs). Sustainable Civil Infrastructures, 2019, , 187-196.	0.2	0
79	Revisioning the Engineering Profession. , 0, , 427-442.		0