

# Julie Mills

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4949075/publications.pdf>

Version: 2024-02-01

79  
papers

2,959  
citations

168829

31  
h-index

198040

52  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1687  
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	Assisting academics to identify computer generated writing. <i>European Journal of Engineering Education</i> , 2022, 47, 725-745.	1.5	17
4	Push-off and Pull-out Bond Behaviour of CRC Composite Slabs – An Experimental Investigation. <i>Engineering Structures</i> , 2021, 228, 111480.	2.6	20
5	Practical Rubber Pre-Treatment Approach for Concrete Use – An Experimental Study. <i>Journal of Composites Science</i> , 2021, 5, 143.	1.4	37
6	Performance of crumb rubber concrete composite-deck slabs in 4-point-bending. <i>Journal of Building Engineering</i> , 2021, 40, 102695.	1.6	10
7	Bond behaviour between crumb rubberized concrete and deformed steel bars. <i>Structures</i> , 2021, 34, 2115-2133.	1.7	6
8	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
9	A comprehensive review on the mechanical properties of waste tire rubber concrete. <i>Construction and Building Materials</i> , 2020, 237, 117651.	3.2	233
10	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
11	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
12	Creep and drying shrinkage behaviour of crumb rubber concrete (CRC). <i>Australian Journal of Civil Engineering</i> , 2020, 18, 187-204.	0.6	10
13	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
14	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
15	Influence of rubber particles on the properties of foam concrete. <i>Journal of Building Engineering</i> , 2020, 30, 101217.	1.6	41
16	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
17	Experimental Study on Compressive Behavior of FRP-Confined Expansive Rubberized Concrete. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	31
18	Axial Compression Behaviour of Hybrid Double-Skin Tubular Columns Filled with Rubcrete. <i>Journal of Composites Science</i> , 2019, 3, 62.	1.4	35

#	ARTICLE	IF	CITATIONS
19	Novel approach to improve crumb rubber concrete strength using thermal treatment. <i>Construction and Building Materials</i> , 2019, 229, 116901.	3.2	77
20	Cyclic Performance of Steel-Concrete-Steel Sandwich Beams with Rubcrete and LECA Concrete Core. <i>Journal of Composites Science</i> , 2019, 3, 5.	1.4	15
21	Influence of Mixing Procedures, Rubber Treatment, and Fibre Additives on Rubcrete Performance. <i>Journal of Composites Science</i> , 2019, 3, 41.	1.4	70
22	Pre-stressed Segmental Retaining Walls (PSRWs). <i>Sustainable Civil Infrastructures</i> , 2019, , 187-196.	0.1	0
23	Experimental investigation of the performance of concrete columns strengthened with fiber reinforced concrete jacket. <i>Construction and Building Materials</i> , 2019, 194, 51-61.	3.2	50
24	Compressive stress strain behavior of crumb rubber concrete (CRC) and application in reinforced CRC slab. <i>Construction and Building Materials</i> , 2018, 166, 745-759.	3.2	110
25	Cyclic performance of bolted cruciform and splice connectors in retrofitted transmission tower legs. <i>Thin-Walled Structures</i> , 2018, 122, 264-285.	2.7	8
26	Numerical simulation of downburst wind flow over real topography. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 172, 85-95.	1.7	20
27	Buckling Analysis of Laminated Composite Plate on Tensionless Elastic Foundations Under Uniaxial Compression. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850079.	1.5	7
28	Local buckling of thin plate on tensionless elastic foundations under interactive uniaxial compression and shear. <i>Theoretical and Applied Mechanics Letters</i> , 2018, 8, 75-82.	1.3	3
29	A review of transmission line systems under downburst wind loads. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 179, 503-513.	1.7	35
30	An experimental investigation of the mechanical performance and structural application of LECA-Rubcrete. <i>Construction and Building Materials</i> , 2018, 175, 239-253.	3.2	50
31	Performance of segmental self-centering rubberized concrete columns under different loading directions. <i>Journal of Building Engineering</i> , 2018, 20, 285-302.	1.6	33
32	Unilateral contact buckling behaviour of orthotropic plates subjected to combined in-plane shear and bending. <i>International Journal of Solids and Structures</i> , 2018, 150, 135-153.	1.3	5
33	In-plane flexural strength of unbonded post-tensioned concrete masonry walls. <i>Engineering Structures</i> , 2017, 136, 245-260.	2.6	20
34	Seismic Performance of Precast Posttensioned Segmental FRP-Confined and Unconfined Crumb Rubber Concrete Columns. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	55
35	Mechanical performance of FRP-confined and unconfined crumb rubber concrete containing high rubber content. <i>Journal of Building Engineering</i> , 2017, 11, 115-126.	1.6	121
36	Simplified approach to predict the flexural strength of self-centering masonry walls. <i>Engineering Structures</i> , 2017, 142, 255-271.	2.6	7

#	ARTICLE	IF	CITATIONS
37	Experimental investigations of reinforced rubberized concrete structural members. Journal of Building Engineering, 2017, 10, 149-165.	1.6	77
38	Analytical Study of Force-Displacement Behavior and Ductility of Self-centering Segmental Concrete Columns. International Journal of Concrete Structures and Materials, 2017, 11, 489-511.	1.4	7
39	Retrofitting square columns using FRP-confined crumb rubber concrete to improve confinement efficiency. Construction and Building Materials, 2017, 153, 146-156.	3.2	41
40	Revisioning the Engineering Profession. Advances in Higher Education and Professional Development Book Series, 2017, , 156-175.	0.1	2
41	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.	2.1	4
42	Assessment of the mechanical performance of crumb rubber concrete. Construction and Building Materials, 2016, 125, 175-183.	3.2	201
43	Force-displacement behavior of unbonded post-tensioned concrete walls. Engineering Structures, 2016, 106, 495-505.	2.6	29
44	Experimental Investigation of In-Plane Cyclic Response of Unbonded Posttensioned Masonry Walls. Journal of Structural Engineering, 2016, 142, .	1.7	38
45	Static cyclic behaviour of FRP-confined crumb rubber concrete columns. Engineering Structures, 2016, 113, 371-387.	2.6	92
46	Local buckling of profiled skin sheets resting on tensionless elastic foundations under uniaxial compression. Thin-Walled Structures, 2016, 103, 81-89.	2.7	5
47	Review of the Performance of High-Strength Rubberized Concrete and Its Potential Structural Applications. Advances in Civil Engineering Materials, 2016, 5, 20150026.	0.2	16
48	Structural Performance of Bolted Connectors in Retrofitted Transmission Tower Leg Members. , 2015, , .		3
49	Experimental Investigation of Crumb Rubber Concrete Columns under Seismic Loading. Structures, 2015, 3, 13-27.	1.7	122
50	Modeling of retrofitted steel transmission towers. Journal of Constructional Steel Research, 2015, 112, 138-154.	1.7	21
51	Displacement and plastic hinge length of FRP-confined circular reinforced concrete columns. Engineering Structures, 2015, 101, 465-476.	2.6	64
52	Strength and Seismic Performance Factors of Posttensioned Masonry Walls. Journal of Structural Engineering, 2015, 141, .	1.7	20
53	Effect of Dimensions on the Compressive Strength of Concrete Masonry Prisms. Advances in Civil Engineering Materials, 2015, 4, 175-201.	0.2	3
54	An evaluation of design code expressions for estimating in-plane shear strength of partially grouted masonry walls. Australian Journal of Structural Engineering, 2014, 15, .	0.4	7

#	ARTICLE	IF	CITATIONS
55	The structural effect of bolted splices on retrofitted transmission tower angle members. Journal of Constructional Steel Research, 2014, 95, 263-278.	1.7	31
56	Finite element modelling and dilation of FRP-confined concrete columns. Engineering Structures, 2014, 79, 70-85.	2.6	77
57	Empirical models for predicting unsteady-state downburst wind speeds. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 129, 49-63.	1.7	18
58	An experimental investigation of crumb rubber concrete confined by fibre reinforced polymer tubes. Construction and Building Materials, 2014, 53, 522-532.	3.2	210
59	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.	1.7	11
60	An analytical model for simulating steady state flows of downburst. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 115, 53-64.	1.7	27
61	â€œYes, I do belongâ€™: the women who stay in engineering. Engineering Studies, 2013, 5, 216-232.	0.6	60
62	An IPD approach to construction education. Construction Economics and Building, 2013, 13, 93-103.	0.5	19
63	Modelling of steel lattice tower angle legs reinforced for increased load capacity. Engineering Structures, 2012, 43, 160-168.	2.6	42
64	Experimental study on multi-panel retrofitted steel transmission towers. Journal of Constructional Steel Research, 2012, 78, 58-67.	1.7	38
65	Flawed Policy, Failed Politics? Challenging the Sexual Politics of Managing Diversity in Engineering Organizations. Gender, Work and Organization, 2012, 19, 555-572.	3.1	36
66	Getting it together: Feminist interdisciplinary research on women and engineering. Women's Studies International Forum, 2011, 34, 13-19.	0.6	14
67	Engineering Ignorance: The Problem of Gender Equity in Engineering. Frontiers, 2009, 30, 89-106.	0.0	40
68	Using wikis and blogs for assessment in first-year engineering. Campus Wide Information Systems, 2009, 26, 424-432.	1.1	5
69	â€œOh you must be very clever!â€™ High-achieving women, professional power and the ongoing negotiation of workplace identity. Gender and Education, 2008, 20, 223-236.	1.1	34
70	I >still</i> wanna be an engineer! Women, education and the engineering profession. European Journal of Engineering Education, 2008, 33, 391-402.	1.5	73
71	DISRUPTING MASCULINITIES. Australian Feminist Studies, 2007, 22, 385-400.	0.6	43
72	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.	1.7	2

#	ARTICLE	IF	CITATIONS
73	ENGINEERING IN AUSTRALIA: AN UNCOMFORTABLE EXPERIENCE FOR WOMEN. Journal of Women and Minorities in Science and Engineering, 2006, 12, 135-154.	0.5	19
74	Self-Drilling Screw Joints for Cold-Formed Channel Portal Frames. Journal of Structural Engineering, 2004, 130, 1799-1806.	1.7	35
75	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
76	Using Projects to Teach Structural Engineering. Australian Journal of Structural Engineering, 2003, 4, 211-220.	0.4	6
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	A Review of Skin Buckling Theory in Composite Members. Applied Mechanics and Materials, 0, 846, 312-317.	0.2	1
79	Revisioning the Engineering Profession. , 0, , 427-442.		0