

Sudharshan N Raman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,100
citations

19
h-index

32
g-index

55
ext. papers

1,468
ext. citations

3.3
avg, IF

4.87
L-index

#	Paper	IF	Citations
52	Polyurea coated composite aluminium plates subjected to high velocity projectile impact. <i>Materials & Design</i> , 2013 , 52, 1-16		78
51	Pozzolanic contribution of rice husk ash in cementitious system. <i>Construction and Building Materials</i> , 2013 , 47, 588-593	6.7	77
50	Influences of the volume fraction and shape of steel fibers on fiber-reinforced concrete subjected to dynamic loading [A review]. <i>Engineering Structures</i> , 2016 , 124, 405-417	4.7	76
49	High-strength rice husk ash concrete incorporating quarry dust as a partial substitute for sand. <i>Construction and Building Materials</i> , 2011 , 25, 3123-3130	6.7	73
48	Experimental investigation on the tensile behavior of polyurea at high strain rates. <i>Materials & Design</i> , 2013 , 50, 124-129		61
47	Plastic deformation of polyurea coated composite aluminium plates subjected to low velocity impact. <i>Materials & Design</i> , 2014 , 56, 696-713		60
46	Assessment of damage to an underground box tunnel by a surface explosion. <i>Tunnelling and Underground Space Technology</i> , 2017 , 66, 64-76	5.7	54
45	Early-Age Cracking in Concrete: Causes, Consequences, Remedial Measures, and Recommendations. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1730	2.6	51
44	Elastomeric Polymers for Retrofitting of Reinforced Concrete Structures against the Explosive Effects of Blast. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-8	1.5	42
43	Analytical and numerical investigation of polyurea layered aluminium plates subjected to high velocity projectile impact. <i>Materials and Design</i> , 2015 , 82, 1-17	8.1	39
42	Utilization of wood waste ash in construction technology: A review. <i>Construction and Building Materials</i> , 2020 , 237, 117654	6.7	37
41	Ferrocement composites for strengthening of concrete columns: A review. <i>Construction and Building Materials</i> , 2018 , 160, 326-340	6.7	35
40	Mechanical Properties and Durability of Normal and Water Reduced High Strength Grade 60 Concrete Containing Rice Husk Ash. <i>Journal of Advanced Concrete Technology</i> , 2009 , 7, 21-30	2.3	32
39	Modeling of Compressive Strength for Self-Consolidating High-Strength Concrete Incorporating Palm Oil Fuel Ash. <i>Materials</i> , 2016 , 9,	3.5	31
38	Utilization of By-Products and Wastes as Supplementary Cementitious Materials in Structural Mortar for Sustainable Construction. <i>Sustainability</i> , 2020 , 12, 3888	3.6	29
37	Synthesis of nano cementitious additives from agricultural wastes for the production of sustainable concrete. <i>Journal of Cleaner Production</i> , 2018 , 171, 1150-1160	10.3	29
36	Toward a national sustainable building assessment system in Oman: Assessment categories and their performance indicators. <i>Sustainable Cities and Society</i> , 2017 , 31, 122-135	10.1	27

35	Blast Damage Assessment of Symmetrical Box-Shaped Underground Tunnel According to Peak Particle Velocity (PPV) and Single Degree of Freedom (SDOF) Criteria. <i>Symmetry</i> , 2018 , 10, 158	2.7	21
34	Characterization of eco-friendly steel fiber-reinforced concrete containing waste coconut shell as coarse aggregates and fly ash as partial cement replacement. <i>Structural Concrete</i> , 2020 , 21, 437-447	2.6	21
33	Autogenous Shrinkage, Microstructure, and Strength of Ultra-High Performance Concrete Incorporating Carbon Nanofibers. <i>Materials</i> , 2019 , 12,	3.5	17
32	Fresh and mechanical characteristics of roselle fibre reinforced self-compacting concrete incorporating fly ash and metakaolin. <i>Construction and Building Materials</i> , 2021 , 290, 123209	6.7	17
31	Pressure Impulse (PI) Diagrams for Reinforced Concrete (RC) Structures: A Review. <i>Archives of Computational Methods in Engineering</i> , 2019 , 26, 733-767	7.8	15
30	Fibre reinforced concrete containing waste coconut shell aggregate, fly ash and polypropylene fibre. <i>Revista Facultad De Ingeniería</i> , 2019 , 33-42	1	13
29	The Failure Behaviour of Reinforced Concrete Panels Under Far-field and Near-field Blast Effects. <i>Structures</i> , 2018 , 14, 220-229	3.4	12
28	An approach to improve conventional square ferrocement jacket for strengthening application of short square RC column. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 1025-1037	3.4	12
27	The Perception of Malaysian Architects towards the Implementation of Green Roofs: A Review of Practices, Methodologies and Future Research. <i>E3S Web of Conferences</i> , 2014 , 3, 01022	0.5	12
26	Mechanical characterisation of sustainable fibre-reinforced lightweight concrete incorporating waste coconut shell as coarse aggregate and sisal fibre. <i>International Journal of Environmental Science and Technology</i> , 2021 , 18, 1579-1590	3.3	11
25	Dynamic Properties of High Volume Fly Ash Nanosilica (HVFANS) Concrete Subjected to Combined Effect of High Strain Rate and Temperature. <i>Latin American Journal of Solids and Structures</i> , 2018 , 15,	1.4	10
24	Axial behavior of ferrocement confined cylindrical concrete specimens with different sizes. <i>Construction and Building Materials</i> , 2015 , 78, 50-59	6.7	10
23	Experimental and numerical investigation of an exterior reinforced concrete beam-column joint subjected to shock loading. <i>International Journal of Impact Engineering</i> , 2020 , 137, 103473	4	10
22	Low-cost evaluation techniques for information retrieval systems: A review. <i>Journal of Informetrics</i> , 2013 , 7, 301-312	3.1	9
21	Quasi-Static Behavior of Palm-Based Elastomeric Polyurethane: For Strengthening Application of Structures under Impulsive Loadings. <i>Polymers</i> , 2016 , 8,	4.5	9
20	An investigation of key mechanical and durability properties of coconut shell concrete with partial replacement of fly ash. <i>Structural Concrete</i> , 2021 , 22, E985	2.6	9
19	Structural Behavior of Fibrous-Ferrocement Panel Subjected to Flexural and Impact Loads. <i>Materials</i> , 2020 , 13,	3.5	8
18	Numerical Investigation on the Non-Linear Response of Reinforced Concrete (RC) Columns Subjected to Extreme Dynamic Loads. <i>Journal of Asian Scientific Research</i> , 2017 , 7, 86-98	1.1	8

17	Prediction of Residual Axial Load Carrying Capacity of Reinforced Concrete (RC) Columns Subjected to Extreme Dynamic Loads. <i>American Journal of Engineering and Applied Sciences</i> , 2017 , 10, 431-448	0.4	7
16	Effects of Medium Temperature and Industrial By-Products on the Key Hardened Properties of High Performance Concrete. <i>Materials</i> , 2015 , 8, 8608-8623	3.5	6
15	Ballistic performance of multi-metal systems. <i>International Journal of Protective Structures</i> , 2020 , 11, 379-410	1.5	5
14	Use of Coupled Smooth-Particle Hydrodynamics/Lagrangian Method in the Simulation of Deformable Projectile Penetration. <i>International Journal of Protective Structures</i> , 2015 , 6, 419-437	1.5	5
13	Experimental Investigation on Composite Deck Slab Made of Cold-Formed Profiled Steel Sheeting. <i>Metals</i> , 2021 , 11, 229	2.3	4
12	P-I Diagram Generation for Reinforced Concrete (RC) Columns Under High Impulsive Loads Using Ale Method. <i>Journal of Asian Scientific Research</i> , 2017 , 7, 253-262	1.1	3
11	Framework of Environmental Rating System for Home Buildings in Oman. <i>Journal of Architectural Engineering</i> , 2017 , 23, 04017003	1.5	2
10	Development of an Assessment Method to Evaluate the Quality of Remedial Treatments on Concrete Flat Roofs of Multiple Buildings. <i>Buildings</i> , 2019 , 9, 124	3.2	1
9	Bio-Based Polyurethane Elastomer for Strengthening Application of Concrete Structures Under Dynamic Loadings 2018 , 751-757		1
8	Satisfaction Perception of Indoor Environment of Low-cost Housing: A case study of Flat Taman Desa Sentosa. <i>E3S Web of Conferences</i> , 2014 , 3, 01001	0.5	1
7	ELASTOMERIC POLYMERS FOR BLAST AND BALLISTIC RETROFITTING OF STRUCTURES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 76,	1.2	1
6	Outdoor Environment of Low-cost Housing: A case study of Flat Taman Desa Sentosa. <i>E3S Web of Conferences</i> , 2014 , 3, 01005	0.5	1
5	Eco-friendly fiber-reinforced concretes 2022 , 109-145		1
4	Sustainability of industrialised building system for housing in Malaysia. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2018 , 171, 304-313	0.9	0
3	Feasible techniques for valorisation of construction and demolition waste for concreting applications. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	0
2	Effects of MgO-Based Expansive Agent on the Characteristics of Expansive Concrete. <i>Engineering Proceedings</i> , 2021 , 11, 14	0.5	
1	A Review on the Effect of Fly Ash, RHA and Slag on the Synthesizing of Coal Bottom Ash (CBA) Based Geopolymer. <i>Engineering Proceedings</i> , 2021 , 11, 20	0.5	