

A Ramachandra Murthy

List of Publications by Year in descending order

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38
papers

1,007
citations

471509

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434195

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all docs

39
docs citations

39
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of fatigue crack initiation life in SA312 Type 304LN austenitic stainless steel straight pipes with notch. Nuclear Engineering and Technology, 2022, 54, 1588-1596.	2.3	8
2	Smart monitoring of strengthened beams made of ultrahigh performance concrete using integrated and nonintegrated acoustic emission approach. Structural Control and Health Monitoring, 2021, 28, e2704.	4.0	10
3	Strength and durability of fiber reinforced concrete with partial replacement of cement by Ground Granulated Blast Furnace Slag. Materials Today: Proceedings, 2021, 47, 5416-5425.	1.8	6
4	Static and fatigue responses of retrofitted RC beams with GGBS based UHPC strips. Engineering Structures, 2021, 240, 112332.	5.3	4
5	Analytical model to predict the fatigue life of damaged RC beam strengthened with GGBS based UHPC. Structures, 2021, 33, 2559-2569.	3.6	5
6	Effect of dissimilar metal SENB specimen width and crack length on stress intensity factor. Nuclear Engineering and Technology, 2020, 52, 1579-1586.	2.3	2
7	Crack growth analysis and remaining life prediction of dissimilar metal pipe weld joint with circumferential crack under cyclic loading. Nuclear Engineering and Technology, 2020, 52, 2949-2957.	2.3	7
8	Performance of concrete beams reinforced with GFRP bars under monotonic loading. Structures, 2020, 27, 1274-1288.	3.6	20
9	Effect of processed sugar cane bagasse ash on mechanical and fracture properties of blended mortar. Construction and Building Materials, 2020, 262, 120846.	7.2	23
10	Fatigue performance of damaged RC beams rehabilitated with GGBS based ultra high performance concrete. International Journal of Fatigue, 2020, 138, 105707.	5.7	20
11	Simulation of surface preparations to predict the bond behaviour between normal strength concrete and ultra-high performance concrete. Construction and Building Materials, 2020, 250, 118871.	7.2	40
12	Tensile behaviour and durability aspects of sustainable ultra-high performance concrete incorporated with GGBS as cementitious material. Construction and Building Materials, 2019, 197, 667-680.	7.2	112
13	Fracture Analysis and Remaining Life Assessment of Ultra High Strength Concrete Beams. , 2018, , 157-165.		0
14	Damage Tolerant Analysis of Cracked Al 2024-T3 Panels repaired with Single Boron/Epoxy Patch. Journal of the Institution of Engineers (India): Series A, 2018, 99, 219-229.	1.2	2
15	Theoretical modelling and acoustic emission monitoring of RC beams strengthened with UHPC. Construction and Building Materials, 2018, 158, 670-682.	7.2	50
16	Flexural behavior of RC beams retrofitted with ultra-high strength concrete. Construction and Building Materials, 2018, 175, 815-824.	7.2	61
17	Fatigue behaviour of damaged RC beams strengthened with ultra high performance fibre reinforced concrete. International Journal of Fatigue, 2018, 116, 659-668.	5.7	63
18	Nutritional Behavior, Morphogenesis Cycle and Sediment Consolidation Capabilities of the Calcareous Bacteria Derived from Coastal Marine Sediments. Geomicrobiology Journal, 2017, 34, 795-803.	2.0	2

#	ARTICLE	IF	CITATIONS
19	Modelling of RC Beams Strengthened with Basalt Reinforced Concrete. Journal of the Institution of Engineers (India): Series A, 2017, 98, 285-291.	1.2	2
20	Acoustic emission monitoring of reinforced concrete beams subjected to four-point-bending. Applied Acoustics, 2017, 117, 28-38.	3.3	118
21	Characterization and Evaluation of Micro-mechanical Properties of Ultra High Strength Concrete by using Micro-indentation Test. Journal of the Institution of Engineers (India): Series A, 2016, 97, 231-238.	1.2	1
22	Acoustic emission and flexural behaviour of RC beams strengthened with UHPC overlay. Construction and Building Materials, 2016, 123, 481-492.	7.2	97
23	The Micro-mechanism Involved and Wollastonite Signature in the Calcareous Precipitates of Marine Isolates. Applied Biochemistry and Biotechnology, 2016, 178, 1069-1080.	2.9	2
24	Determination of the back boundary effect on self-compacting concrete beams: bilinear and trilinear approaches. International Journal of Fracture, 2015, 193, 17-28.	2.2	3
25	Behaviour of reinforced concrete beams strengthened with basalt textile reinforced concrete. Journal of Industrial Textiles, 2015, 44, 924-933.	2.4	28
26	Fracture energy and tension softening relation for nano-modified concrete. Structural Engineering and Mechanics, 2015, 54, 1201-1216.	1.0	19
27	Prediction of fracture characteristics of high strength and ultra high strength concrete beams based on relevance vector machine. International Journal of Damage Mechanics, 2014, 23, 979-1004.	4.2	15
28	Crack Growth Prediction under Variable Amplitude Loading Considering Elastic-Plastic Stress Field ahead of Crack Tip. Procedia Engineering, 2014, 86, 645-652.	1.2	4
29	Exploration on the Biotechnological Aspect of the Ureolytic Bacteria for the Production of the Cementitious Materials—a Review. Applied Biochemistry and Biotechnology, 2014, 172, 2308-2323.	2.9	63
30	Enhanced Model for Describing Total Fatigue Rate Curve considering Stress Ratio Effects. Advances in Structural Engineering, 2014, 17, 1011-1027.	2.4	2
31	Pre-fabricated sandwich panels using cold-formed steel and textile reinforced concrete. Construction and Building Materials, 2014, 64, 54-59.	7.2	29
32	Determination of size-independent specific fracture energy of concrete mixes by the tri-linear model. Cement and Concrete Research, 2013, 49, 82-88.	11.0	56
33	Determination of size-independent specific fracture energy of concrete mixes by two methods. Cement and Concrete Research, 2013, 50, 19-25.	11.0	59
34	Bilinear tension softening diagrams of concrete mixes corresponding to their size-independent specific fracture energy. Construction and Building Materials, 2013, 47, 1160-1166.	7.2	30
35	A SIMPLE ANALYTICAL MODEL FOR EVALUATION OF PENETRATION DEPTH AND RESISTANT STRENGTH OF CONCRETE TARGETS. International Journal of Structural Stability and Dynamics, 2013, 13, 1250061.	2.4	3
36	Estimation of fracture properties for high strength and ultra high strength concrete beams and size effect. International Journal of Damage Mechanics, 2013, 22, 1109-1126.	4.2	7

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37	Evaluation of mechanical properties for high strength and ultrahigh strength concretes. <i>Advances in Concrete Construction</i> , 2013, 1, 341-358.	0.4	14
38	Confinement Effect of Glass Fabrics Bonded with Cementitious and Organic Binders. <i>Procedia Engineering</i> , 2011, 14, 535-542.	1.2	19