

Ramamurthy K

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.

63

papers

3,550

citations

26

h-index

59

g-index

67

ext. papers

4,205

ext. citations

5.6

avg, IF

5.72

L-index

#	Paper	IF	Citations
63	A classification of studies on properties of foam concrete. <i>Cement and Concrete Composites</i> , 2009 , 31, 388-396	8.6	532
62	Structure and properties of aerated concrete: a review. <i>Cement and Concrete Composites</i> , 2000 , 22, 321-329	8.6	490
61	Influence of parent concrete on the properties of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2009 , 23, 829-836	6.7	350
60	Air-void characterisation of foam concrete. <i>Cement and Concrete Research</i> , 2007 , 37, 221-230	10.3	286
59	Influence of filler type on the properties of foam concrete. <i>Cement and Concrete Composites</i> , 2006 , 28, 475-480	8.6	230
58	Models relating mixture composition to the density and strength of foam concrete using response surface methodology. <i>Cement and Concrete Composites</i> , 2006 , 28, 752-760	8.6	123
57	Sorption characteristics of foam concrete. <i>Cement and Concrete Research</i> , 2007 , 37, 1341-1347	10.3	119
56	Fresh State Characteristics of Foam Concrete. <i>Journal of Materials in Civil Engineering</i> , 2008 , 20, 111-117	3	101
55	Influence of binders on properties of sintered fly ash aggregate. <i>Cement and Concrete Composites</i> , 2006 , 28, 33-38	8.6	100
54	Microstructural investigations on aerated concrete. <i>Cement and Concrete Research</i> , 2000 , 30, 457-464	10.3	77
53	Study of compressive strength characteristics of coral aggregate concrete. <i>Magazine of Concrete Research</i> , 1996 , 48, 141-148	2	69
52	Influence of fineness of fly ash on the aggregate pelletization process. <i>Cement and Concrete Composites</i> , 2007 , 29, 456-464	8.6	59
51	Influence of fly ash on strength and sorption characteristics of cold-bonded fly ash aggregate concrete. <i>Construction and Building Materials</i> , 2009 , 23, 1862-1870	6.7	58
50	Models for strength prediction of foam concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008 , 41, 247-254	3.4	58
49	Influence of pelletization process on the properties of fly ash aggregates. <i>Waste Management</i> , 2006 , 26, 846-52	8.6	58
48	Effect of curing method on characteristics of cold bonded fly ash aggregates. <i>Cement and Concrete Composites</i> , 2008 , 30, 848-853	8.6	50
47	Shrinkage Behavior of Foam Concrete. <i>Journal of Materials in Civil Engineering</i> , 2009 , 21, 631-636	3	44

46	Development and Performance Evaluation of Interlocking-Block Masonry. <i>Journal of Architectural Engineering</i> , 2000 , 6, 45-51	1.5	44
45	Environmental friendly technology of cold-bonded bottom ash aggregate manufacture through chemical activation. <i>Journal of Cleaner Production</i> , 2010 , 18, 1563-1569	10.3	38
44	Properties of geopolymerised low-calcium bottom ash aggregate cured at ambient temperature. <i>Cement and Concrete Composites</i> , 2013 , 43, 20-30	8.6	36
43	Relative assessment of density and stability of foam produced with four synthetic surfactants. <i>Materials and Structures/Materiaux Et Constructions</i> , 2010 , 43, 1317-1325	3.4	35
42	Behaviour of foam concrete under sulphate environments. <i>Cement and Concrete Composites</i> , 2012 , 34, 825-834	8.6	33
41	Behaviour of concrete with low-strength bricks as lightweight coarse aggregate. <i>Magazine of Concrete Research</i> , 2001 , 53, 367-375	2	32
40	Factors influencing the density and compressive strength of aerated concrete. <i>Magazine of Concrete Research</i> , 2000 , 52, 163-168	2	30
39	Surface modified microcrystalline cellulose from cotton as a potential mineral admixture in cement mortar composite. <i>Cement and Concrete Composites</i> , 2016 , 74, 147-153	8.6	29
38	Effect of occupant-induced indoor CO2 concentration and bioeffluents on human physiology using a spirometric test. <i>Building and Environment</i> , 2019 , 149, 58-67	6.5	29
37	Identification of design parameters influencing manufacture and properties of cold-bonded pond ash aggregate. <i>Materials & Design</i> , 2014 , 54, 264-278		26
36	Classification of indoor daylight enhancement systems. <i>Lighting Research and Technology</i> , 2014 , 46, 245-267		25
35	Identification of set-accelerator for enhancing the productivity of foam concrete block manufacture. <i>Construction and Building Materials</i> , 2012 , 37, 144-152	6.7	25
34	Excavated soil waste as fine aggregate in fly ash based geopolymer mortar. <i>Applied Clay Science</i> , 2017 , 146, 81-91	5.2	24
33	Behavior of Concrete Hollow-Block Masonry Prisms under Axial Compression. <i>Journal of Structural Engineering</i> , 1992 , 118, 1751-1769	3	24
32	Accelerated masonry construction review and future prospects. <i>Structural Control and Health Monitoring</i> , 2004 , 6, 1-9		23
31	Reuse potential of low-calcium bottom ash as aggregate through pelletization. <i>Waste Management</i> , 2010 , 30, 1528-35	8.6	22
30	Properties of sintered low calcium bottom ash aggregate with clay binders. <i>Construction and Building Materials</i> , 2011 , 25, 2002-2013	6.7	21
29	Influence of composition and curing on drying shrinkage of aerated concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2000 , 33, 243-250	3.4	21

28	Development of a green foaming agent and its performance evaluation. <i>Cement and Concrete Composites</i> , 2017 , 80, 245-257	8.6	18
27	Influence of production on the strength, density and water absorption of aerated geopolymer paste and mortar using Class F fly ash. <i>Construction and Building Materials</i> , 2017 , 156, 1137-1149	6.7	18
26	Laboratory-Based Productivity Study on Alternative Masonry Systems. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003 , 129, 237-242	4.2	17
25	Water permeability assessment of alternative masonry systems. <i>Building and Environment</i> , 2003 , 38, 947-957	6.5	17
24	Sodium salt admixtures for enhancing the foaming characteristics of sodium lauryl sulphate. <i>Cement and Concrete Composites</i> , 2015 , 57, 133-141	8.6	15
23	Effect of fineness and dosage of aluminium powder on the properties of moist-cured aerated concrete. <i>Construction and Building Materials</i> , 2015 , 95, 486-496	6.7	15
22	Swelling Characteristic of Bentonite on Pelletization and Properties of Fly Ash Aggregates. <i>Journal of Materials in Civil Engineering</i> , 2009 , 21, 578-586	3	15
21	Workability and strength behaviour of concrete with cold-bonded fly ash aggregate. <i>Materials and Structures/Materiaux Et Constructions</i> , 2009 , 42, 151-160	3.4	14
20	Analysis of the Foam Generated Using Surfactant Sodium Lauryl Sulfate. <i>International Journal of Concrete Structures and Materials</i> , 2010 , 4, 55-62	2.8	11
19	Sustainable reuse of excavation soil in cementitious composites. <i>Journal of Cleaner Production</i> , 2018 , 176, 999-1011	10.3	9
18	Assessment of CO ₂ -based demand controlled ventilation requirement for a flexible work environment with ductless split air conditioners. <i>Science and Technology for the Built Environment</i> , 2019 , 25, 805-818	1.8	8
17	Autogenous Curing of Cold-Bonded Fly-Ash-Aggregate Concrete. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 393-401	3	8
16	Behaviour of grouted concrete hollow block masonry prisms. <i>Magazine of Concrete Research</i> , 1995 , 47, 345-354	2	8
15	KB-GA-Based Hybrid System for Layout Planning of Multistory Buildings. <i>Journal of Computing in Civil Engineering</i> , 2007 , 21, 229-237	5	7
14	Reuse potential of stabilized excavation soil as fine aggregate in cement mortar. <i>Construction and Building Materials</i> , 2018 , 192, 141-152	6.7	7
13	Daylight enhancement using laser cut panels integrated with a profiled Fresnel collector. <i>Lighting Research and Technology</i> , 2015 , 47, 1017-1028	2	6
12	Identification of admixture for pelletization and strength enhancement of sintered coal pond ash aggregate through statistically designed experiments. <i>Materials & Design</i> , 2014 , 60, 563-575		6
11	Physical characteristics of sintered fly ash aggregate containing clay binders. <i>Journal of Material Cycles and Waste Management</i> , 2012 , 14, 120-131	3.4	6

10	Influence of Temperature and Duration of Thermal Treatment on Properties of Excavated Soil as Fine Aggregate in Cement Mortar. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019137	3	5
9	Conceptual design and assessment of a profiled Fresnel lens daylight collector. <i>Lighting Research and Technology</i> , 2015 , 47, 533-547	2	4
8	Influence of Construction Method on Water Permeation of Interlocking Block Masonry. <i>Journal of Architectural Engineering</i> , 2001 , 7, 52-56	1.5	3
7	Analysis of concrete hollow block masonry prisms under eccentric compression. <i>Magazine of Concrete Research</i> , 1993 , 45, 147-153	2	2
6	Review on fibre-optic-based daylight enhancement systems in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 163, 112514	16.2	2
5	Reply to the discussion by H. Vaupel and I. Odler of the paper Microstructural investigations on aerated concrete. <i>Cement and Concrete Research</i> , 2001 , 31, 155	10.3	1
4	Effect of mode of delivery and background noise on speech characteristics of talkers in a classroom environment. <i>Building Acoustics</i> , 2020 , 27, 113-135	1	1
3	Influence of admixtures on the characteristics of aqueous foam produced using a synthetic surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 643, 128770	5.1	1
2	Design of an anidolic concentrator and evaluation of daylight enhancement under an overcast sky. <i>Lighting Research and Technology</i> , 2016 , 48, 917-929	2	
1	Development of location specific profiled Fresnel collector for light pipes for harnessing daylight 2019 , 327-332		