

Gobinath R

List of Publications by Year in descending order

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67
papers

898
citations

471509

17
h-index

501196

28
g-index

68
all docs

68
docs citations

68
times ranked

488
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of recycling fine materials as filler for improving performance of concrete - a review. Australian Journal of Civil Engineering, 2019, 17, 85-95.	1.6	70
2	Investigation of nano-size montmorillonite on enhancing polyvinyl alcohol-starch blends prepared via solution cast approach. Composites Part B: Engineering, 2013, 47, 238-247.	12.0	66
3	Alkali activated binders: Challenges and opportunities. Materials Today: Proceedings, 2020, 27, 40-43.	1.8	52
4	Permeability properties of lightweight self-consolidating concrete made with coconut shell aggregate. Journal of Materials Research and Technology, 2020, 9, 3547-3557.	5.8	50
5	Structural distress in glass fibre-reinforced concrete under loading and exposure to aggressive environments. Construction and Building Materials, 2019, 197, 862-870.	7.2	48
6	Enhancing the Strength Properties of High-Performance Concrete Using Ternary Blended Cement: OPC, Nano-Silica, Bagasse Ash. Silicon, 2020, 12, 1949-1956.	3.3	43
7	Experimental Study on Performance of Hardened Concrete Using Nano Materials. KSCE Journal of Civil Engineering, 2020, 24, 596-602.	1.9	37
8	Bio-Enzymatic Stabilization of a Soil Having Poor Engineering Properties. International Journal of Civil Engineering, 2017, 15, 401-409.	2.0	33
9	Banana Fibre-Reinforcement of a Soil Stabilized with Sodium Silicate. Silicon, 2020, 12, 357-363.	3.3	33
10	Phase change materials in concrete: An overview of properties. Materials Today: Proceedings, 2020, 27, 391-395.	1.8	33
11	Using silica mineral waste as aggregate in a green high strength concrete: workability, strength, failure mode, and morphology assessment. Australian Journal of Civil Engineering, 2018, 16, 122-128.	1.6	32
12	Plasticity, strength, permeability and compressibility characteristics of black cotton soil stabilized with precipitated silica. Journal of Central South University, 2016, 23, 2688-2694.	3.0	28
13	Durability Phenomenon in Manufactured Sand Concrete: Effects of Zinc Oxide and Alcofine on Behaviour. Silicon, 2021, 13, 1079-1085.	3.3	22
14	Structural retrofitting of corroded fly ash based concrete beams with fibres to improve bending characteristics. Australian Journal of Structural Engineering, 2019, 20, 198-203.	1.1	21
15	Lightweight Self-Compacting Concrete Incorporating Industrial Rejects and Mineral Admixtures: Strength and Durability Assessment. Silicon, 2020, 12, 1779-1785.	3.3	20
16	Numerical simulation and specification provisions for buckling characteristics of a built-up steel column section subjected to axial loading. Engineering Structures, 2020, 207, 110256.	5.3	20
17	Models for Predictions of Mechanical Properties of Low-Density Self-compacting Concrete Prepared from Mineral Admixtures and Pumice Stone. Advances in Intelligent Systems and Computing, 2020, , 677-690.	0.6	18
18	Development and assessment of cement and concrete made of the burning of quinary by-product. Journal of Materials Research and Technology, 2021, 15, 3708-3721.	5.8	17

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19	Model Development for Strength Properties of Laterized Concrete Using Artificial Neural Network Principles. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 197-207.	0.6	16
20	Durability Properties of Self-compacting Concrete Made With Recycled Aggregate. <i>Silicon</i> , 2021, 13, 2727-2735.	3.3	15
21	Mechanical Properties of Pavement Quality Concrete Using Recycled Aggregate. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2019, 9, 33-38.	0.3	15
22	Effect of mineral admixtures on early age properties of high performance concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 561, 012067.	0.6	14
23	Studies on strength characteristics of black cotton soil by using novel SiO ₂ combination as a stabilizing agent. <i>Materials Today: Proceedings</i> , 2020, 27, 657-663.	1.8	14
24	Synthesis, physico-mechanical properties, material processing, and math models of novel superior materials doped flake of carbon and colloid flake of carbon. <i>Journal of Materials Research and Technology</i> , 2021, 15, 4993-5009.	5.8	14
25	Evaluation of material performance of coir fibre reinforced quaternary blended concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 872, 012133.	0.6	11
26	Investigation on performance of red mud based concrete. <i>Materials Today: Proceedings</i> , 2021, 39, 796-799.	1.8	11
27	Impact Resistance and Strength Development of Fly Ash Based Self-compacting Concrete. <i>Silicon</i> , 2022, 14, 481-492.	3.3	10
28	Free thaw resistance of stabilized and fiber-reinforced soil vulnerable to landslides. <i>Materials Today: Proceedings</i> , 2020, 27, 664-670.	1.8	10
29	Strength and Settlement studies on basalt fiber reinforced marginal soil. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 981, 032083.	0.6	10
30	Fresh properties of self-compacting concrete incorporating electric arc furnace oxidizing slag (EAFOS) as coarse aggregate. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	9
31	Rheological, Mineralogical and Strength Variability of Concrete due to Construction Water Impurities. <i>International Journal of Engineering Research in Africa</i> , 2020, 48, 78-91.	0.7	8
32	Analysis of Compressive Strength Characteristics of Mineral Admixture in Concrete Containing Various Gelled Materials using Artificial Neural Networks. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 981, 032093.	0.6	8
33	A novel method to predict pozzolanic nature of concrete with sintered clay using soft computing techniques. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 872, 012159.	0.6	8
34	Evaluation of ductility index enhancement level of banana fibre reinforced lightweight self-compacting concrete beam. <i>Materials Today: Proceedings</i> , 2021, 39, 131-136.	1.8	8
35	Stabilisation of natural slopes using natural plant root as reinforcing agent. <i>Materials Today: Proceedings</i> , 2021, 39, 493-499.	1.8	8
36	Experimental and numerical analysis of large-scale bamboo-reinforced concrete beams containing crushed sand. <i>Innovative Infrastructure Solutions</i> , 2019, 4, 1.	2.2	7

#	ARTICLE	IF	CITATIONS
37	Compaction and shear strength enhancement of weak soil by copper slag addition. Materials Today: Proceedings, 2021, 39, 834-838.	1.8	6
38	Global Trends of Research Productivity in Natural Fibre Reinforced Composites: Comprehensive Scientometric Analysis. Journal of Natural Fibers, 2022, 19, 13088-13105.	3.1	6
39	Progress and Trends in Image Processing Applications in Civil Engineering: Opportunities and Challenges. Advances in Civil Engineering, 2022, 2022, 1-17.	0.7	5
40	Correlation between rebound hammer number and mechanical properties of steel fibre reinforced pavement quality concrete. Materials Today: Proceedings, 2021, 39, 142-147.	1.8	4
41	Allotment of Waste and Degraded Land Parcels for PV Based Solar Parks in India: Effects on Power Generation Cost and Influence on Investment Decision-Making. Sustainability, 2022, 14, 1786.	3.2	4
42	New Light Weight Mortar for Structural Application: Assessment of Porosity, Strength and Morphology Properties. Learning and Analytics in Intelligent Systems, 2020, , 59-65.	0.6	3
43	Effect of particle grain size on its shear strength behaviour of soils. IOP Conference Series: Materials Science and Engineering, 2020, 981, 032079.	0.6	3
44	Mechanical and flexural behaviour study on fibrillated concrete as partial replacement of M-Sand and metakaolin. Materials Today: Proceedings, 2021, 39, 776-780.	1.8	3
45	Strength characterisation of self cured concrete using AI tools. Materials Today: Proceedings, 2021, 39, 839-848.	1.8	3
46	STUDY ON NEED FOR SUSTAINABLE DEVELOPMENT IN EDUCATIONAL INSTITUTIONS " A CASE STUDY OF COLLEGE OF ENGINEERING- GUINDY, CHENNAI. Journal of Urban and Environmental Engineering, 2010, 4, 29-36.	0.3	3
47	ANN based prediction of Bond and Impact Strength of Light Weight Self Consolidating Concrete with coconut shell. , 2018, , .		2
48	Waste Products as an Alternative Construction Material-A Review. IOP Conference Series: Materials Science and Engineering, 2020, 981, 032086.	0.6	2
49	Acid resistance behaviour of Binary blended Geo-polymer Mortar. IOP Conference Series: Materials Science and Engineering, 2020, 981, 032058.	0.6	2
50	Studies on the Impact of Ternary Blend for Early Prediction of Compressive Strength Using Accelerated Curing. Lecture Notes in Civil Engineering, 2021, , 1-11.	0.4	2
51	Soil Erosion Protection on Hilly Regions Using Plant Roots: An Experimental Insight. Advances in Science, Technology and Innovation, 2020, , 321-335.	0.4	2
52	Effects of Corn Cob Ash as Mineral Admixture on Mechanical and Durability Properties of Concrete " A Review. IOP Conference Series: Materials Science and Engineering, 0, 1006, 012027.	0.6	2
53	Effect of Posidonia oceanica Fibers Addition on the Thermal and Acoustic Properties of Cement Paste. Buildings, 2022, 12, 909.	3.1	2
54	Water Quality Prediction Using Statistical Tool and Machine Learning Algorithm. International Journal of Chemoinformatics and Chemical Engineering, 2018, 7, 43-58.	0.1	1

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55	Experimental Investigations on Chloride Permeability and Strength Properties of Concrete using Alccofine. IOP Conference Series: Materials Science and Engineering, 2020, 981, 032085.	0.6	1
56	Alkalinity and strength properties of concrete containing macro silica and ground granulated blast furnace slag. , 2018, , .		1
57	Effect of ratio between Na ₂ SiO ₃ and NaOH solutions and curing temperature on the early age properties of geopolymer mortar. IOP Conference Series: Materials Science and Engineering, 0, 981, 032060.	0.6	1
58	GIS Based Ecomapping of Industries A Potential Tool for Environmental Performance Analysis and Optimization. , 2009, , .		0
59	Effect of Marble Dust and Basalt Fiber on the Energy Absorbance of Concrete Measured through Impact Loading Method. Current Materials Science, 2019, 13, .	0.4	0
60	Tapping soil biodiversity for enhancing resource use efficiency. , 2019, , 319-339.		0
61	Computing Redistribution Moments of Concrete Members in the Plastic Stage Using Linear Analysis: Short Review. Learning and Analytics in Intelligent Systems, 2020, , 66-72.	0.6	0
62	Scale effect of rectangular and square footing of shallow foundation resting on cohesive soil. IOP Conference Series: Materials Science and Engineering, 2020, 981, 032061.	0.6	0
63	Machine Learning based Landslide Prediction System for Hilly Areas. IOP Conference Series: Materials Science and Engineering, 2020, 981, 032084.	0.6	0
64	An art of Research on concrete-Ternary blended. IOP Conference Series: Materials Science and Engineering, 2020, 981, 032089.	0.6	0
65	Investigation of strength and impact charecteristics of blended Self cured concrete. IOP Conference Series: Materials Science and Engineering, 2020, 981, 032090.	0.6	0
66	Influence of Various Admixtures on The Swelling Characteristics of Clay. IOP Conference Series: Materials Science and Engineering, 0, 981, 032087.	0.6	0
67	Water Quality Prediction Using Statistical Tool and Machine Learning Algorithm. , 2020, , 609-623.		0