

Indubhushan Patnaikuni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12030995/publications.pdf>

Version: 2024-02-01

24
papers

1,383
citations

516710

16
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1090
citing authors

#	ARTICLE	IF	CITATIONS
1	Long term durability properties of class F fly ash geopolymer concrete. Materials and Structures/Materiaux Et Constructions, 2015, 48, 721-731.	3.1	186
2	Influence of different treatment methods on the mechanical behavior of recycled aggregate concrete: A comparative study. Cement and Concrete Composites, 2019, 104, 103398.	10.7	133
3	Durability assessment of alkali activated slag (AAS) concrete. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1425-1437.	3.1	116
4	Axial stress-strain behavior of macro-synthetic fiber reinforced recycled aggregate concrete. Cement and Concrete Composites, 2019, 97, 341-356.	10.7	114
5	Effect of macro-synthetic fibers on the fracture energy and mechanical behavior of recycled aggregate concrete. Construction and Building Materials, 2018, 189, 857-868.	7.2	102
6	Chemical durability and performance of modified basalt fiber in concrete medium. Construction and Building Materials, 2017, 154, 191-203.	7.2	99
7	Pozzolanic reaction of sugarcane bagasse ash and its role in controlling alkali silica reaction. Construction and Building Materials, 2017, 148, 231-240.	7.2	86
8	Thermal performance evaluation of eco-friendly bricks incorporating waste glass sludge. Journal of Cleaner Production, 2018, 172, 1867-1880.	9.3	85
9	Thermal performance enhancement of eco-friendly bricks incorporating agro-wastes. Energy and Buildings, 2018, 158, 1117-1129.	6.7	84
10	Effect of recycled aggregate treatment techniques on the durability of concrete: A comparative evaluation. Construction and Building Materials, 2020, 264, 120284.	7.2	83
11	Effect of different aggregate treatment techniques on the freeze-thaw and sulfate resistance of recycled aggregate concrete. Cold Regions Science and Technology, 2020, 178, 103126.	3.5	67
12	Stress-strain behavior of spirally confined recycled aggregate concrete: An approach towards sustainable design. Resources, Conservation and Recycling, 2019, 146, 127-139.	10.8	44
13	Stress strain performance of steel spiral confined recycled aggregate concrete. Cement and Concrete Composites, 2020, 108, 103535.	10.7	43
14	Development of a unified model to predict the axial stress-strain behavior of recycled aggregate concrete confined through spiral reinforcement. Engineering Structures, 2020, 218, 110851.	5.3	42
15	Effects of hybrid fibers on the development of high volume fly ash cement composite. Construction and Building Materials, 2019, 215, 984-997.	7.2	41
16	Geopolymer synthesis using low-grade clays. Construction and Building Materials, 2021, 268, 121066.	7.2	18
17	Mechanical and Post-Cracking Performance of Recycled Aggregate Concrete Incorporating Synthetic Fibers. IOP Conference Series: Materials Science and Engineering, 2020, 829, 012003.	0.6	14
18	Mechanical Properties of High Volume Fly Ash Concrete Reinforced with Hybrid Fibers. Advances in Materials Science and Engineering, 2016, 2016, 1-7.	1.8	9

#	ARTICLE	IF	CITATIONS
19	The Influence of Lime Water as Mixing Water on the Compressive Strength Development of High Volume Ultra Fine Fly Ash Mortar. , 2011, , .		6
20	A Literature Review on Alkali Silica Reactivity of Concrete. International Journal of Strategic Engineering, 2018, 1, 43-62.	0.3	5
21	Pre-treatment impact on the disposition of water in clay-based geopolymer. Open Ceramics, 2021, 5, 100053.	2.0	3
22	Low-Grade Clay as an Alkali-Activated Material. Applied Sciences (Switzerland), 2021, 11, 1648.	2.5	2
23	The effect of pre-treatment and curing temperature on the strength development of alkali-activated clay. Construction and Building Materials, 2021, 287, 123000.	7.2	1
24	Experimental Results of the Temperature Profile Beneath a Concrete Slab-on-Ground. Architectural Science Review, 1997, 40, 147-154.	2.2	0