

# 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	Geopolymer synthesis using low-grade clays. <i>Construction and Building Materials</i> , 2021, 268, 121066.	7.2	18
2	Pre-treatment impact on the disposition of water in clay-based geopolymer. <i>Open Ceramics</i> , 2021, 5, 100053.	2.0	3
3	Low-Grade Clay as an Alkali-Activated Material. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1648.	2.5	2
4	The effect of pre-treatment and curing temperature on the strength development of alkali-activated clay. <i>Construction and Building Materials</i> , 2021, 287, 123000.	7.2	1
5	Mechanical and Post-Cracking Performance of Recycled Aggregate Concrete Incorporating Synthetic Fibers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 829, 012003.	0.6	14
6	Effect of recycled aggregate treatment techniques on the durability of concrete: A comparative evaluation. <i>Construction and Building Materials</i> , 2020, 264, 120284.	7.2	83
7	Development of a unified model to predict the axial stress-strain behavior of recycled aggregate concrete confined through spiral reinforcement. <i>Engineering Structures</i> , 2020, 218, 110851.	5.3	42
8	Effect of different aggregate treatment techniques on the freeze-thaw and sulfate resistance of recycled aggregate concrete. <i>Cold Regions Science and Technology</i> , 2020, 178, 103126.	3.5	67
9	Stress strain performance of steel spiral confined recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2020, 108, 103535.	10.7	43
10	Influence of different treatment methods on the mechanical behavior of recycled aggregate concrete: A comparative study. <i>Cement and Concrete Composites</i> , 2019, 104, 103398.	10.7	133
11	Axial stress-strain behavior of macro-synthetic fiber reinforced recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2019, 97, 341-356.	10.7	114
12	Effects of hybrid fibers on the development of high volume fly ash cement composite. <i>Construction and Building Materials</i> , 2019, 215, 984-997.	7.2	41
13	Stress-strain behavior of spirally confined recycled aggregate concrete: An approach towards sustainable design. <i>Resources, Conservation and Recycling</i> , 2019, 146, 127-139.	10.8	44
14	Thermal performance enhancement of eco-friendly bricks incorporating agro-wastes. <i>Energy and Buildings</i> , 2018, 158, 1117-1129.	6.7	84
15	Thermal performance evaluation of eco-friendly bricks incorporating waste glass sludge. <i>Journal of Cleaner Production</i> , 2018, 172, 1867-1880.	9.3	85
16	A Literature Review on Alkali Silica Reactivity of Concrete. <i>International Journal of Strategic Engineering</i> , 2018, 1, 43-62.	0.3	5
17	Effect of macro-synthetic fibers on the fracture energy and mechanical behavior of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2018, 189, 857-868.	7.2	102
18	Pozzolanic reaction of sugarcane bagasse ash and its role in controlling alkali silica reaction. <i>Construction and Building Materials</i> , 2017, 148, 231-240.	7.2	86

#	ARTICLE	IF	CITATIONS
19	Chemical durability and performance of modified basalt fiber in concrete medium. Construction and Building Materials, 2017, 154, 191-203.	7.2	99
20	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
21	Long term durability properties of class F fly ash geopolymer concrete. Materials and Structures/Materiaux Et Constructions, 2015, 48, 721-731.	3.1	186
22	Durability assessment of alkali activated slag (AAS) concrete. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1425-1437.	3.1	116
23	The Influence of Lime Water as Mixing Water on the Compressive Strength Development of High Volume Ultra Fine Fly Ash Mortar. , 2011, , .		6
24	Experimental Results of the Temperature Profile Beneath a Concrete Slab-on-Ground. Architectural Science Review, 1997, 40, 147-154.	2.2	0