

# Nabajyoti Saikia

## List of Publications by Citations

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34  
papers

1,624  
citations

16  
h-index

34  
g-index

34  
ext. papers

1,911  
ext. citations

4  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
34	Use of plastic waste as aggregate in cement mortar and concrete preparation: A review. <i>Construction and Building Materials</i> , <b>2012</b> , 34, 385-401	6.7	307
33	Mechanical properties and abrasion behaviour of concrete containing shredded PET bottle waste as a partial substitution of natural aggregate. <i>Construction and Building Materials</i> , <b>2014</b> , 52, 236-244	6.7	225
32	Production of cement clinkers from municipal solid waste incineration (MSWI) fly ash. <i>Waste Management</i> , <b>2007</b> , 27, 1178-89	8.6	138
31	Influence of curing conditions on the mechanical performance of concrete containing recycled plastic aggregate. <i>Construction and Building Materials</i> , <b>2012</b> , 36, 196-204	6.7	121
30	Influence of curing conditions on the durability-related performance of concrete made with selected plastic waste aggregates. <i>Cement and Concrete Composites</i> , <b>2013</b> , 35, 23-31	8.6	100
29	Waste polyethylene terephthalate as an aggregate in concrete. <i>Materials Research</i> , <b>2013</b> , 16, 341-350	1.5	97
28	Assessment of Pb-slag, MSWI bottom ash and boiler and fly ash for using as a fine aggregate in cement mortar. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 154, 766-77	12.8	96
27	Pre-treatment of municipal solid waste incineration (MSWI) bottom ash for utilisation in cement mortar. <i>Construction and Building Materials</i> , <b>2015</b> , 96, 76-85	6.7	70
26	Recycled Aggregate in Concrete. <i>Green Energy and Technology</i> , <b>2013</b> ,	0.6	65
25	Compositions and leaching behaviours of combustion residues. <i>Fuel</i> , <b>2006</b> , 85, 264-271	7.1	65
24	Thermogravimetric investigation on the chloride binding behaviour of MKΠme paste. <i>Thermochimica Acta</i> , <b>2006</b> , 444, 16-25	2.9	60
23	Bricks from Petroleum Effluent Treatment Plant Sludge: Properties and Environmental Characteristics. <i>Journal of Environmental Engineering, ASCE</i> , <b>2002</b> , 128, 1090-1094	2	51
22	Kinetics of dehydroxylation of kaolin in presence of oil field effluent treatment plant sludge. <i>Applied Clay Science</i> , <b>2002</b> , 22, 93-102	5.2	40
21	Assessments of pyrolysis kinetics and mechanisms of biomass residues using thermogravimetry. <i>Bioresource Technology Reports</i> , <b>2018</b> , 4, 40-49	4.1	40
20	Effect of biomass addition on the devolatilization kinetics, mechanisms and thermodynamics of a northeast Indian low rank sub-bituminous coal. <i>Fuel</i> , <b>2019</b> , 256, 115926	7.1	32
19	Behavior of B, Cr, Se, As, Pb, Cd, and Mo present in waste leachates generated from combustion residues during the formation of ettringite. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 1710-9	3.8	26
18	Use of Pb blast furnace slag as a partial substitute for fine aggregate in cement mortar. <i>Journal of Material Cycles and Waste Management</i> , <b>2012</b> , 14, 102-112	3.4	15

17	pH dependent leachings of some trace metals and metalloid species from lead smelter slag and their fate in natural geochemical environment. <i>Groundwater for Sustainable Development</i> , <b>2018</b> , 7, 348-358	6	14
16	Construction and Demolition Waste Aggregates. <i>Green Energy and Technology</i> , <b>2013</b> , 81-113	0.6	14
15	Use of a plant based polymeric material as a low cost chemical admixture in cement mortar and concrete preparations. <i>Journal of Building Engineering</i> , <b>2018</b> , 15, 194-202	5.2	12
14	Production of bio-oil from coir pith via pyrolysis: kinetics, thermodynamics, and optimization using response surface methodology. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	8
13	Effects of biomass types on the co-pyrolysis behaviour of a sub-bituminous high-sulphur coal. <i>Energy, Ecology and Environment</i> , <b>2018</b> , 3, 251-265	3.5	5
12	Removal of methylene blue from water using okra ( <i>Abelmoschus esculentus</i> L.) mucilage modified biochar. <i>Bioresource Technology Reports</i> , <b>2021</b> , 14, 100689	4.1	5
11	Industrial Waste Aggregates. <i>Green Energy and Technology</i> , <b>2013</b> , 23-80	0.6	4
10	Concrete with Recycled Aggregates in International Codes. <i>Green Energy and Technology</i> , <b>2013</b> , 379-429	0.6	4
9	Influence of Sn on the hydration of tricalcium aluminate, $\text{Ca}_3\text{Al}_2\text{O}_6$ . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 273-286	4.1	3
8	Assessment of kinetic parameters, mechanisms and thermodynamics of <i>Tithonia diversifolia</i> pyrolysis. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	3
7	Use of Construction and Demolition Waste as Aggregate: Properties of Concrete. <i>Green Energy and Technology</i> , <b>2013</b> , 229-337	0.6	1
6	A comprehensive study on the transition metal catalysed pyrolysis kinetics, thermodynamics and mechanisms of bamboo powder. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
5	Sustainable Development in Concrete Production. <i>Green Energy and Technology</i> , <b>2013</b> , 1-22	0.6	1
4	Use of Industrial Waste as Aggregate: Properties of Concrete. <i>Green Energy and Technology</i> , <b>2013</b> , 115-228	0.6	1
3	Evaluation of the effect of high sulfur subbituminous coal on the devolatilization of biomass residue by using model free, model fitting and combined kinetic methods. <i>Fuel</i> , <b>2022</b> , 310, 122235	7.1	0
2	Recycling of Industrial and Municipal Solid Wastes in Cement-Based Applications <b>2019</b> , 17-30		
1	Methodologies for Estimating Properties of Concrete Containing Recycled Aggregates: Analyses of Experimental Research. <i>Green Energy and Technology</i> , <b>2013</b> , 339-378	0.6	