

ashish Kumer saha

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,347
citations

516710

16
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

879
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the alkali-silica reactions of ferronickel slag aggregate in fly ash geopolymer and cement mortars. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 891-904.	2.1	13
2	Non-destructive prediction of strength of concrete made by lightweight recycled aggregates and nickel slag. <i>Journal of Building Engineering</i> , 2021, 33, 101614.	3.4	19
3	Evaluation of the ASR of waste glass fine aggregate in alkali activated concrete by concrete prism tests. <i>Construction and Building Materials</i> , 2021, 266, 121121.	7.2	18
4	Fresh and hardened properties of high-strength concrete incorporating byproduct fine crushed aggregate as partial replacement of natural sand. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 124-135.	2.9	4
5	Improving the sulfate attack resistance of concrete by using supplementary cementitious materials (SCMs): A review. <i>Construction and Building Materials</i> , 2021, 281, 122628.	7.2	113
6	Workability and Flexural Properties of Fibre-Reinforced Geopolymer Using Different Mono and Hybrid Fibres. <i>Materials</i> , 2021, 14, 4447.	2.9	12
7	Effect of sulphate exposure on mortar consisting of ferronickel slag aggregate and supplementary cementitious materials. <i>Journal of Building Engineering</i> , 2020, 28, 101012.	3.4	13
8	Reuse of waste glass as a supplementary binder and aggregate for sustainable cement-based construction materials: A review. <i>Journal of Building Engineering</i> , 2020, 28, 101052.	3.4	62
9	Mitigation of the potential alkali-silica reaction of FNS using ground FNS as a supplementary binder. <i>Advances in Cement Research</i> , 2020, 32, 537-546.	1.6	14
10	3D-printed concrete: applications, performance, and challenges. <i>Journal of Sustainable Cement-Based Materials</i> , 2020, 9, 127-164.	3.1	68
11	Effect of elevated temperatures on concrete incorporating ferronickel slag as fine aggregate. <i>Fire and Materials</i> , 2019, 43, 8-21.	2.0	34
12	A comparative study between ASTM C1567 and ASTM C227 to mitigate alkali-silica reaction. <i>Structural Concrete</i> , 2019, 20, 420-427.	3.1	9
13	Thermal properties and residual strength after high temperature exposure of cement mortar using ferronickel slag aggregate. <i>Construction and Building Materials</i> , 2019, 199, 601-612.	7.2	43
14	Acid Resistance of Mortar Using Ferronickel Slag (FNS) Aggregate and Ground FNS as Supplementary Cementitious Material. <i>ACI Materials Journal</i> , 2019, 116, .	0.2	4
15	Durability characteristics of concrete using ferronickel slag fine aggregate and fly ash. <i>Magazine of Concrete Research</i> , 2018, 70, 865-874.	2.0	36
16	Durability of Mortar Incorporating Ferronickel Slag Aggregate and Supplementary Cementitious Materials Subjected to Wet-Dry Cycles. <i>International Journal of Concrete Structures and Materials</i> , 2018, 12, .	3.2	29
17	Value added utilization of by-product electric furnace ferronickel slag as construction materials: A review. <i>Resources, Conservation and Recycling</i> , 2018, 134, 10-24.	10.8	115
18	Effect of class F fly ash on the durability properties of concrete. <i>Sustainable Environment Research</i> , 2018, 28, 25-31.	4.2	211

#	ARTICLE	IF	CITATIONS
19	Potential alkali silica reaction expansion mitigation of ferronickel slag aggregate by fly ash. Structural Concrete, 2018, 19, 1376-1386.	3.1	22
20	The ASR mechanism of reactive aggregates in concrete and its mitigation by fly ash: A critical review. Construction and Building Materials, 2018, 171, 743-758.	7.2	103
21	Soundness and compressive strength of Portland cement blended with ground granulated ferronickel slag. Construction and Building Materials, 2017, 140, 194-202.	7.2	112
22	Sustainable use of ferronickel slag fine aggregate and fly ash in structural concrete: Mechanical properties and leaching study. Journal of Cleaner Production, 2017, 162, 438-448.	9.3	134
23	Compressive Strength of Mortar Containing Ferronickel Slag as Replacement of Natural Sand. Procedia Engineering, 2017, 171, 689-694.	1.2	50
24	Expansion due to alkali-silica reaction of ferronickel slag fine aggregate in OPC and blended cement mortars. Construction and Building Materials, 2016, 123, 135-142.	7.2	109