ashish Kumer saha

List of Publications by Year
in descending order

24	1,347	516710 16	610901 24
papers	citations	h-index	g-index

24	24	24	879
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of class F fly ash on the durability properties of concrete. Sustainable Environment Research, 2018, 28, 25-31.	4.2	211
2	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
3	Value added utilization of by-product electric furnace ferronickel slag as construction materials: A review. Resources, Conservation and Recycling, 2018, 134, 10-24.	10.8	115
4	Improving the sulfate attack resistance of concrete by using supplementary cementitious materials (SCMs): A review. Construction and Building Materials, 2021, 281, 122628.	7.2	113
5	Soundness and compressive strength of Portland cement blended with ground granulated ferronickel slag. Construction and Building Materials, 2017, 140, 194-202.	7.2	112
6	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
7	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
8	3D-printed concrete: applications, performance, and challenges. Journal of Sustainable Cement-Based Materials, 2020, 9, 127-164.	3.1	68
9	Reuse of waste glass as a supplementary binder and aggregate for sustainable cement-based construction materials: A review. Journal of Building Engineering, 2020, 28, 101052.	3.4	62
10	Compressive Strength of Mortar Containing Ferronickel Slag as Replacement of Natural Sand. Procedia Engineering, 2017, 171, 689-694.	1.2	50
11	Thermal properties and residual strength after high temperature exposure of cement mortar using ferronickel slag aggregate. Construction and Building Materials, 2019, 199, 601-612.	7.2	43
12	Durability characteristics of concrete using ferronickel slag fine aggregate and fly ash. Magazine of Concrete Research, 2018, 70, 865-874.	2.0	36
13	Effect of elevated temperatures on concrete incorporating ferronickel slag as fine aggregate. Fire and Materials, 2019, 43, 8-21.	2.0	34
14	Durability of Mortar Incorporating Ferronickel Slag Aggregate and Supplementary Cementitious Materials Subjected to Wetâ€“Dry Cycles. International Journal of Concrete Structures and Materials, 2018, 12, .	3.2	29
15	Potential alkali silica reaction expansion mitigation of ferronickel slag aggregate by fly ash. Structural Concrete, 2018, 19, 1376-1386.	3.1	22
16	Non-destructive prediction of strength of concrete made by lightweight recycled aggregates and nickel slag. Journal of Building Engineering, 2021, 33, 101614.	3.4	19
17	Evaluation of the ASR of waste glass fine aggregate in alkali activated concrete by concrete prism tests. Construction and Building Materials, 2021, 266, 121121.	7.2	18
18	Mitigation of the potential alkaliâ€“silica reaction of FNS using ground FNS as a supplementary binder. Advances in Cement Research, 2020, 32, 537-546.	1.6	14

#	ARTICLE	IF	CITATIONS
19	Comparison of the alkali-silica reactions of ferronickel slag aggregate in fly ash geopolymer and cement mortars. European Journal of Environmental and Civil Engineering, 2022, 26, 891-904.	2.1	13
20	Effect of sulphate exposure on mortar consisting of ferronickel slag aggregate and supplementary cementitious materials. Journal of Building Engineering, 2020, 28, 101012.	3.4	13
21	Workability and Flexural Properties of Fibre-Reinforced Geopolymer Using Different Mono and Hybrid Fibres. Materials, 2021, 14, 4447.	2.9	12
22	A comparative study between ASTM C1567 and ASTM C227 to mitigate alkaliâ€silica reaction. Structural Concrete, 2019, 20, 420-427.	3.1	9
23	Fresh and hardened properties of high-strength concrete incorporating byproduct fine crushed aggregate as partial replacement of natural sand. Frontiers of Structural and Civil Engineering, 2021, 15, 124-135.	2.9	4
24	Acid Resistance of Mortar Using Ferronickel Slag (FNS) Aggregate and Ground FNS as Supplementary Cementitious Material. ACI Materials Journal, 2019, 116, .	0.2	4