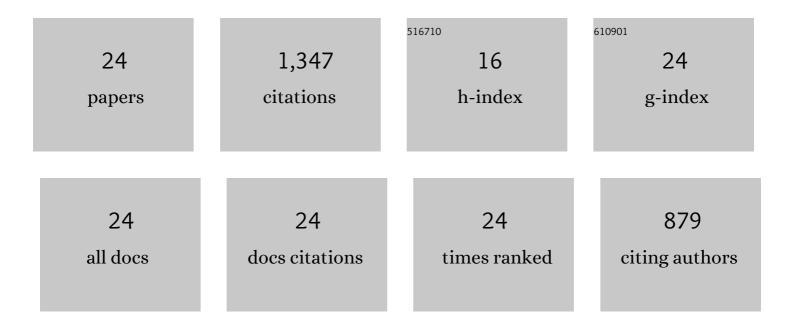
## ashish Kumer saha

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3500326/publications.pdf Version: 2024-02-01



| #  | 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.<br>Construction and Building Materials, 2018, 171, 743-758.  | 7.2  | 103       |
| 8  | 3D-printed concrete: applications, performance, and challenges. Journal of Sustainable Cement-Based<br>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.<br>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<br>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<br>Materials Subjected to Wet–Dry Cycles. International Journal of Concrete Structures and Materials,<br>2018, 12, . | 3.2  | 29        |
| 15 | Potential alkali silica reaction expansion mitigation of ferronickel slag aggregate by fly ash.<br>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 alkali–silica reaction of FNS using ground FNS as a supplementary binder.<br>Advances in Cement Research, 2020, 32, 537-546.  | 1.6  | 14        |

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|----|--|-----|-----------|
| 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<br>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<br>aggregate as partial replacement of natural sand. Frontiers of Structural and Civil Engineering, 2021,<br>15, 124-135. | 2.9 | 4         |
| 24 | Acid Resistance of Mortar Using Ferronickel Slag (FNS) Aggregate and Ground FNS as Supplementary<br>Cementitious Material. ACI Materials Journal, 2019, 116, .   | 0.2 | 4         |