

Katrin Schollbach

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

427
citations

13
h-index

20
g-index

28
ext. papers

601
ext. citations

7.5
avg, IF

4.47
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 27 | Effect of highly dispersed colloidal olivine nano-silica on early age properties of ultra-high performance concrete. <i>Cement and Concrete Composites</i> , 2022 , 104564 | 8.6 | 1 |
| 26 | The utilization of waste incineration filter dust (WIFD) in sodium carbonate activated slag mortars. <i>Construction and Building Materials</i> , 2021 , 313, 125494 | 6.7 | 1 |
| 25 | Municipal solid waste incineration bottom ash fines: Transformation into a minor additional constituent for cements. <i>Resources, Conservation and Recycling</i> , 2021 , 166, 105354 | 11.9 | 9 |
| 24 | Valorization of converter steel slag into eco-friendly ultra-high performance concrete by ambient CO ₂ pre-treatment. <i>Construction and Building Materials</i> , 2021 , 280, 122580 | 6.7 | 15 |
| 23 | The mineralogy of air granulated converter slag. <i>International Journal of Ceramic Engineering & Science</i> , 2021 , 3, 21-36 | 2 | 0 |
| 22 | Hydration of potassium citrate-activated BOF slag. <i>Cement and Concrete Research</i> , 2021 , 140, 106291 | 10.3 | 7 |
| 21 | One-pot synthesis of monolithic silica-cellulose aerogel applying a sustainable sodium silicate precursor. <i>Construction and Building Materials</i> , 2021 , 293, 123289 | 6.7 | 8 |
| 20 | Effects of soluble magnesium on the structure of calcium silicate hydrate. <i>Construction and Building Materials</i> , 2021 , 302, 124402 | 6.7 | 0 |
| 19 | Development of cement-free bio-based cold-bonded lightweight aggregates (BCBLWAs) using steel slag and miscanthus powder via CO ₂ curing. <i>Journal of Cleaner Production</i> , 2021 , 322, 129105 | 10.3 | 3 |
| 18 | Evaluation of municipal solid waste incineration filter cake as supplementary cementitious material. <i>Construction and Building Materials</i> , 2020 , 250, 118833 | 6.7 | 2 |
| 17 | The effect of NaOH concentration on the mechanical and physical properties of alkali activated fly ash-based artificial lightweight aggregate. <i>Construction and Building Materials</i> , 2020 , 259, 119832 | 6.7 | 14 |
| 16 | Properties of Alkali Activated Lightweight Aggregate Generated from Sidoarjo Volcanic Mud (Lusi), Fly Ash, and Municipal Solid Waste Incineration Bottom Ash. <i>Materials</i> , 2020 , 13, | 3.5 | 4 |
| 15 | A silica aerogel synthesized from olivine and its application as a photocatalytic support. <i>Construction and Building Materials</i> , 2020 , 248, 118709 | 6.7 | 8 |
| 14 | A method for analysis of nuisance dust from integrated steel works: chemical and mineralogical characteristics of contributing sources. <i>Environmental Sciences Europe</i> , 2020 , 32, | 5 | 1 |
| 13 | Recycling and utilization of high volume converter steel slag into CO ₂ activated mortars The role of slag particle size. <i>Resources, Conservation and Recycling</i> , 2020 , 160, 104883 | 11.9 | 23 |
| 12 | Using alternative waste coir fibres as a reinforcement in cement-fibre composites. <i>Construction and Building Materials</i> , 2020 , 231, 117121 | 6.7 | 24 |
| 11 | Investigation of the hydrothermal treatment for maximizing the MSWI bottom ash content in fine lightweight aggregates. <i>Construction and Building Materials</i> , 2020 , 230, 116947 | 6.7 | 10 |

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|----|--|------|----|
| 10 | Investigation of local degradation in wood stands and its effect on cement wood composites. <i>Construction and Building Materials</i> , 2020 , 231, 117201 | 6.7 | 7 |
| 9 | Chemical speciation, distribution and leaching behavior of chlorides from municipal solid waste incineration bottom ash. <i>Chemosphere</i> , 2020 , 241, 124985 | 8.4 | 23 |
| 8 | In-depth mineralogical quantification of MSWI bottom ash phases and their association with potentially toxic elements. <i>Waste Management</i> , 2019 , 87, 1-12 | 8.6 | 41 |
| 7 | The immobilization of potentially toxic elements due to incineration and weathering of bottom ash fines. <i>Journal of Hazardous Materials</i> , 2019 , 379, 120798 | 12.8 | 19 |
| 6 | MSWI bottom ash as binder replacement in wood cement composites. <i>Construction and Building Materials</i> , 2019 , 196, 672-680 | 6.7 | 16 |
| 5 | Novel low temperature synthesis of sodium silicate and ordered mesoporous silica from incineration bottom ash. <i>Journal of Cleaner Production</i> , 2019 , 211, 874-883 | 10.3 | 38 |
| 4 | Influence of the spruce strands hygroscopic behaviour on the performances of wood-cement composites. <i>Construction and Building Materials</i> , 2018 , 166, 522-530 | 6.7 | 13 |
| 3 | Influence of hydrothermal treatment on the mechanical and environmental performances of mortars including MSWI bottom ash. <i>Waste Management</i> , 2018 , 78, 639-648 | 8.6 | 13 |
| 2 | Effect of saccharides on the hydration of ordinary Portland cement. <i>Construction and Building Materials</i> , 2017 , 150, 268-275 | 6.7 | 51 |
| 1 | Active iron-rich belite sulfoaluminate cements: clinkering and hydration. <i>Environmental Science & Technology</i> , 2010 , 44, 6855-62 | 10.3 | 76 |