

Katrin Schollbach

List of Publications by Citations

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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	Active iron-rich belite sulfoaluminate cements: clinkering and hydration. <i>Environmental Science & Technology</i> , 2010 , 44, 6855-62	10.3	76
26	Effect of saccharides on the hydration of ordinary Portland cement. <i>Construction and Building Materials</i> , 2017 , 150, 268-275	6.7	51
25	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
24	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
23	Using alternative waste coir fibres as a reinforcement in cement-fibre composites. <i>Construction and Building Materials</i> , 2020 , 231, 117121	6.7	24
22	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
21	Chemical speciation, distribution and leaching behavior of chlorides from municipal solid waste incineration bottom ash. <i>Chemosphere</i> , 2020 , 241, 124985	8.4	23
20	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
19	MSWI bottom ash as binder replacement in wood cement composites. <i>Construction and Building Materials</i> , 2019 , 196, 672-680	6.7	16
18	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
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	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
15	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
14	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
13	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
12	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
11	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

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	Hydration of potassium citrate-activated BOF slag. <i>Cement and Concrete Research</i> , 2021 , 140, 106291	10.3	7
8	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
7	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
6	Evaluation of municipal solid waste incineration filter cake as supplementary cementitious material. <i>Construction and Building Materials</i> , 2020 , 250, 118833	6.7	2
5	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
4	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
3	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
2	The mineralogy of air granulated converter slag. <i>International Journal of Ceramic Engineering & Science</i> , 2021 , 3, 21-36	2	0
1	Effects of soluble magnesium on the structure of calcium silicate hydrate. <i>Construction and Building Materials</i> , 2021 , 302, 124402	6.7	0