

DanutÄ— VaiÄiukynienÄ—

List of Publications by Year in descending order

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papers

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56
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56
docs citations

56
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of phosphogypsum on the stability upon firing treatment of alkali-activated slag. Construction and Building Materials, 2018, 184, 485-491.	7.2	55
2	The treatment of phosphogypsum with zeolite to use it in binding material. Construction and Building Materials, 2018, 180, 134-142.	7.2	50
3	Effects of waste fluid catalytic cracking on the properties of semi-hydrate phosphogypsum. Journal of Cleaner Production, 2016, 137, 150-156.	9.3	40
4	Development of flowable ultra-lightweight concrete using expanded glass aggregate, silica aerogel, and prefabricated plastic bubbles. Journal of Building Engineering, 2020, 31, 101399.	3.4	40
5	Advanced mechanical properties and frost damage resistance of ultra-high performance fibre reinforced concrete. Construction and Building Materials, 2016, 126, 26-31.	7.2	36
6	Effects of ultrasonic treatment on zeolite NaA synthesized from by-product silica. Ultrasonics Sonochemistry, 2015, 27, 515-521.	8.2	31
7	Utilization of by-product waste silica in concrete - based materials. Materials Research, 2012, 15, 561-567.	1.3	29
8	Removal of ammonium ion from aqueous solutions by using unmodified and H2O2-modified zeolitic waste. Scientific Reports, 2020, 10, 352.	3.3	19
9	The influence of the SiO2/Na2O ratio on the low calcium alkali activated binder based on fly ash. Materials Chemistry and Physics, 2021, 258, 123846.	4.0	17
10	Porous alkali-activated materials based on municipal solid waste incineration ash with addition of phosphogypsum powder. Construction and Building Materials, 2021, 301, 123962.	7.2	17
11	Alkali Activated Paste and Concrete Based on of Biomass Bottom Ash with Phosphogypsum. Applied Sciences (Switzerland), 2020, 10, 5190.	2.5	14
12	From raw materials to NORM by-products. , 2017, , 135-182.		11
13	Clayey Soil Strength Improvement by Using Alkali Activated Slag Reinforcing. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.6	11
14	A method to prepare a high-strength building material from press-formed phosphogypsum purified with waste zeolite. Journal of Building Engineering, 2021, 34, 101919.	3.4	11
15	The improvement of the water-resistance of the phosphogypsum by adding waste metallurgical sludge. Journal of Building Engineering, 2021, 43, 102861.	3.4	10
16	Mitigation of Corrosion Initiated by Cl ⁻ and SO ₄ ²⁻ -ions in Blast Furnace Cement Concrete Mixed with Sea Water. Materials, 2022, 15, 3003.	2.9	10
17	Effect of External Carbon Source on Municipal Wastewater at Low Temperatures. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	9
18	The Investigation of Phosphogypsum Specimens Processed by Press-Forming Method. Waste and Biomass Valorization, 2021, 12, 1539-1551.	3.4	9

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19	Conversion of silica by-product into zeolites by thermo-sonochemical treatment. <i>Ultrasonics Sonochemistry</i> , 2021, 72, 105426.	8.2	9
20	The improvement of the thermal and acoustic insulation properties of phosphogypsum specimens by adding waste wood fibre. <i>Construction and Building Materials</i> , 2022, 331, 127341.	7.2	9
21	Effect of AlF ₃ production waste on the processes of hydration and hardening of the alkali-activated Portland cement with sodium silicate hydrate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 879-887.	3.6	8
22	Synergistic effect of dry sludge from waste wash water of concrete plants and zeolitic by-product on the properties of ternary blended ordinary Portland cements. <i>Journal of Cleaner Production</i> , 2020, 244, 118493.	9.3	8
23	Wood shavings and alkali-activated slag bio-composite. <i>European Journal of Wood and Wood Products</i> , 2020, 78, 513-522.	2.9	8
24	Alkali Activated Binders Based on Biomass Bottom Ash and Silica By-Product Blends. <i>Waste and Biomass Valorization</i> , 2021, 12, 1095-1105.	3.4	8
25	A comparative assessment of the suitability of phosphogypsum from different origins to be utilised as the binding material of construction products. <i>Journal of Building Engineering</i> , 2021, 44, 102995.	3.4	8
26	Alkali-activated blends of calcined AlF ₃ production waste and clay. <i>Ceramics International</i> , 2018, 44, 12573-12579.	4.8	7
27	Mechanical Activation on Phosphogypsum: Hydrosodalite System. <i>Waste and Biomass Valorization</i> , 2019, 10, 3485-3491.	3.4	7
28	Calorimetric Studies of Alkali-Activated Blast-Furnace Slag Cements at Early Hydration Processes in the Temperature Range of 20–80 °C. <i>Materials</i> , 2021, 14, 5872.	2.9	6
29	Effect of AlF ₃ Production Waste on the Properties of Hardened Cement Paste. <i>Medziagotyra</i> , 2012, 18, .	0.2	5
30	Zeolitized bottom ashes from biomass combustion as cement replacing components. <i>Construction and Building Materials</i> , 2018, 168, 988-994.	7.2	5
31	Alkali-Activated Material Based on Red Clay and Silica Gel Waste. <i>Waste and Biomass Valorization</i> , 2020, 11, 2973-2982.	3.4	5
32	Thermal Properties of Alkali Activated Slag Plaster for Wooden Structures. <i>Scientific Reports</i> , 2020, 10, 726.	3.3	5
33	Effect of Ordinary Portland Cement and Water Glass on the Properties of Alkali Activated Fly Ash Concrete. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 40.	2.0	5
34	The Influence of Zeolitic By-Product Containing Ammonium Ions on Properties of Hardened Cement Paste. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 123.	2.0	5
35	The Using of Concrete Wash Water from Ready Mixed Concrete Plants in Cement Systems. <i>Materials</i> , 2021, 14, 2483.	2.9	5
36	Synergic effect between two pozzolans: Clinoptilolite and silica gel by-product in a ternary blend of a Portland cement system. <i>Construction and Building Materials</i> , 2022, 344, 128155.	7.2	5

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37	EFFECT OF MILLED ELECTRICAL CABLE WASTE ON MECHANICAL PROPERTIES OF CONCRETE. Journal of Civil Engineering and Management, 2015, 21, 300-307.	3.5	4
38	Utilization of Zeolitic Waste in Alkali-Activated Biomass Bottom Ash Blends. Molecules, 2020, 25, 3053.	3.8	4
39	Thaumasite formation by hydration of sulphosilicate clinker. Materials Today Communications, 2020, 25, 101449.	1.9	4
40	Investigation of Concrete Shrinkage Reducing Additives. Materials, 2022, 15, 3407.	2.9	4
41	Production of Expanded Clay Pellets by Using Non-selfbloating Clay, Lakes Sapropel and Glycerol. Medziagotyra, 2011, 17, .	0.2	3
42	Blended Cements Produced With Synthetic Zeolite Made from Industrial By-Product. Medziagotyra, 2015, 21, .	0.2	3
43	Mechanical Properties of Alkali Activated Material Based on Red Clay and Silica Gel Precursor. Environmental and Climate Technologies, 2021, 25, 931-943.	1.4	3
44	Non-destructive test methods application for structure analysis of ultra-high performance concrete after deterioration of cyclic salt-scaling. Mechanika, 2014, 20, .	0.5	2
45	The Influence of Fine Particle Content (Cement Together with Sand Particles up to 0.25 mm) on Rheological Properties of Concrete Mixture. Solid State Phenomena, 2018, 276, 97-102.	0.3	2
46	Elaboration of new ceramic composites containing glass fibre production wastes. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2013, 52, 88-92.	1.9	2
47	The Influence of Expanded Glass and Expanded Clay on Lightweight Aggregate Shotcrete Properties. Materials, 2022, 15, 1674.	2.9	2
48	Blended Cement Systems with Zeolitized Silica Fume. Medziagotyra, 2016, 22, .	0.2	1
49	The influence of sulphur slime on the properties of alkali binding material from biomass bottom ashes. IOP Conference Series: Materials Science and Engineering, 2018, 442, 012015.	0.6	1
50	Preparation of Sorbents Containing Straetlingite Phase from Zeolitic By-Product and Their Performance for Ammonium Ion Removal. Molecules, 2021, 26, 3020.	3.8	1
51	The utilization of biomass bottom ashes in cement system. Journal of Sustainable Architecture and Civil Engineering, 2016, 14, .	0.5	1
52	Influence of zeolitized perlite on blended cement properties. Chemical Industry and Chemical Engineering Quarterly, 2016, 22, 285-292.	0.7	1
53	Alkali Activation of Milled Red Brick Waste and Calcined Illite Clay with Silica Gel Addition. Materials, 2022, 15, 3195.	2.9	1
54	THE FORMS OF WATER CONNECTION IN SILICATE COMPOUNDS AND BUILDING MATERIALS. Journal of Civil Engineering and Management, 1999, 5, 100-107.	0.0	0

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55	The Influence of Phosphogypsum Microstructure on the Main Properties of Press-Formed Samples. Solid State Phenomena, 0, 325, 79-85.	0.3	0