

Jan FoÅt

List of Publications by Year in descending order

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papers

889
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73
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Secondary Porosity on Microstructure and Mechanical Properties of SAP-Containing Lime-Based Plasters. <i>Polymers</i> , 2022, 14, 1162.	2.0	1
2	Environmental Consequences of Rubber Crumb Application: Soil and Water Pollution. <i>Polymers</i> , 2022, 14, 1416.	2.0	13
3	Limited interdisciplinary knowledge transfer as a missing link for sustainable building retrofits in the residential sector. <i>Journal of Cleaner Production</i> , 2022, 343, 131079.	4.6	10
4	Waste solidified alkalis as activators of aluminosilicate precursors: Functional and environmental evaluation. <i>Journal of Building Engineering</i> , 2022, 54, 104598.	1.6	7
5	Bond Behavior of FRP Bars in Lightweight SCC under Direct Pull-Out Conditions: Experimental and Numerical Investigation. <i>Materials</i> , 2022, 15, 3555.	1.3	12
6	Biomass fly ash as an alternative to coal fly ash in blended cements: Functional aspects. <i>Construction and Building Materials</i> , 2021, 271, 121544.	3.2	43
7	Combined Effect of Superabsorbent Polymers and Cellulose Fibers on Functional Performance of Plasters. <i>Energies</i> , 2021, 14, 3679.	1.6	4
8	Functional Properties of SAP-Based Humidity Control Plasters. <i>Polymers</i> , 2021, 13, 2279.	2.0	4
9	Influence of Polypropylene and Steel Fibers on the Performance and Crack Repair of Self-Compacting Concrete. <i>Materials</i> , 2021, 14, 5506.	1.3	11
10	Microstructure Formation of Cement Mortars Modified by Superabsorbent Polymers. <i>Polymers</i> , 2021, 13, 3584.	2.0	2
11	Environmental Efficiency Aspects of Basalt Fibers Reinforcement in Concrete Mixtures. <i>Energies</i> , 2021, 14, 7736.	1.6	19
12	Utilization of Crushed Pavement Blocks in Concrete: Assessment of Functional Properties and Environmental Impacts. <i>Materials</i> , 2021, 14, 7361.	1.3	5
13	Effect of superabsorbent polymers on hydration heat evolution of cementitious materials. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
14	Alkaline activation of low-reactivity ceramics: Peculiarities induced by the precursors' dual character. <i>Cement and Concrete Composites</i> , 2020, 105, 103440.	4.6	14
15	Preparation of self-heating alkali-activated materials using industrial waste products. <i>Journal of Cleaner Production</i> , 2020, 260, 121116.	4.6	25
16	Alternative production of rubber crumb by accelerated aging of waste tires by ozone. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
17	Assessment of Wood-Based Fly Ash as Alternative Cement Replacement. <i>Sustainability</i> , 2020, 12, 9580.	1.6	20
18	Utilization plasters with superabsorbent admixture to moderate moisture level in constructions. <i>E3S Web of Conferences</i> , 2020, 172, 11009.	0.2	0

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19	Effect of superabsorbent polymer admixtures on hygric and thermal properties of cement mortar. E3S Web of Conferences, 2020, 172, 14011.	0.2	1
20	Characterization of Responsive Plasters for Passive Moisture and Temperature Control. Applied Sciences (Switzerland), 2020, 10, 9116.	1.3	6
21	Effect of Absorptivity of Superabsorbent Polymers on Design of Cement Mortars. Materials, 2020, 13, 5503.	1.3	9
22	Correction of Errors in DSC Measurements Using Detailed Modeling of Thermal Phenomena in Calorimeter-Sample System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8178-8186.	2.4	7
23	Energy Efficiency of Novel Interior Surface Layer with Improved Thermal Characteristics and Its Effect on Hygrothermal Performance of Contemporary Building Envelopes. Energies, 2020, 13, 2012.	1.6	6
24	Application of ceramic waste in brick blocks with enhanced acoustic properties. Journal of Cleaner Production, 2020, 261, 121185.	4.6	17
25	Influence of Superabsorbent Polymers on Moisture Control in Building Interiors. Energies, 2020, 13, 2009.	1.6	4
26	Interactions of superabsorbent polymers based on acrylamide substances with microorganisms occurring in human dwellings. Ecotoxicology and Environmental Safety, 2020, 195, 110522.	2.9	3
27	Transition to circular economy in the construction industry: Environmental aspects of waste brick recycling scenarios. Waste Management, 2020, 118, 510-520.	3.7	72
28	Optimization of concrete mixture composition with superabsorbent polymer admixture. AIP Conference Proceedings, 2020, , .	0.3	1
29	Hygric parameters of cement-lime plasters modified by superabsorbent polymers. MATEC Web of Conferences, 2019, 282, 02059.	0.1	1
30	Mechanical parameters of cementitious materials with superabsorbent polymer admixture. MATEC Web of Conferences, 2019, 282, 02063.	0.1	0
31	Monetized environmental assessment of interior thermal insulation. MATEC Web of Conferences, 2019, 282, 02106.	0.1	0
32	Preparation and Characterization of Novel Plaster with Improved Thermal Energy Storage Performance. Energies, 2019, 12, 3318.	1.6	13
33	Thermal, hygric and mechanical properties of HPC containing silica fume. AIP Conference Proceedings, 2019, , .	0.3	1
34	Resistance of modified interior plasters to mould growth. AIP Conference Proceedings, 2019, , .	0.3	0
35	Comparison of hygric responses of three different plasters for interior applications. AIP Conference Proceedings, 2019, , .	0.3	0
36	Heat bridges in passive houses. AIP Conference Proceedings, 2019, , .	0.3	0

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37	Pore structure and hygrothermal characteristics of HPC based on Portland cement " Slag blends. AIP Conference Proceedings, 2019, , .	0.3	0
38	Carbon footprint analysis of calcined gypsum production in the Czech Republic. Journal of Cleaner Production, 2018, 177, 795-802.	4.6	34
39	Biomass ash-based mineral admixture prepared from municipal sewage sludge and its application in cement composites. Clean Technologies and Environmental Policy, 2018, 20, 159-171.	2.1	47
40	Environmental assessment of mineral wool manufacturing. AIP Conference Proceedings, 2018, , .	0.3	0
41	Thermal and hygric properties of alkali activated aluminosilicates. AIP Conference Proceedings, 2018, , .	0.3	0
42	Fabrication of Dodecanol/Diatomite Shape-Stabilized PCM and Its Utilization in Interior Plaster. International Journal of Thermophysics, 2018, 39, 1.	1.0	23
43	Mechanical and hygric properties of lime plasters modified by biomass fly ash. IOP Conference Series: Materials Science and Engineering, 2018, 365, 032059.	0.3	4
44	Application of waste brick powder in alkali activated aluminosilicates: Functional and environmental aspects. Journal of Cleaner Production, 2018, 194, 714-725.	4.6	140
45	Inverse analysis of moisture profiles for the assessment of moisture diffusivity of hybrid fiber reinforced UHPC. AIP Conference Proceedings, 2018, , .	0.3	0
46	Complex assessment of reconstruction works on an institutional building: A case study. Journal of Cleaner Production, 2018, 202, 871-882.	4.6	10
47	Rational design of cement composites containing pozzolanic additions. Construction and Building Materials, 2017, 148, 411-418.	3.2	35
48	Utilization of the PCM latent heat for energy savings in buildings. AIP Conference Proceedings, 2017, , .	0.3	2
49	Simultaneous thermal analysis and thermodilatometry of hybrid fiber reinforced UHPC. AIP Conference Proceedings, 2017, , .	0.3	3
50	Moisture buffer capacity of cement-lime plasters with enhanced thermal storage capacity. AIP Conference Proceedings, 2017, , .	0.3	3
51	Moisture diffusivity of HPFRC exposed to high temperatures. AIP Conference Proceedings, 2017, , .	0.3	0
52	Experimental Investigation on Material Properties of Ultra - High Performance Fiber Reinforced Concrete in Extreme Conditions. , 2017, , .		0
53	EVALUATION OF THE APPLICATION OF A THERMAL INSULATION SYSTEM: IN-SITU COMPARISSON OF SEASONAL AND DAILY CLIMATIC FLUCTUATIONS. Acta Polytechnica, 2017, 57, 159-166.	0.3	0
54	Thermal Properties of Cement Based Composites with Municipal Solid Waste Incinerator Fly Ash Accessed by Two Different Transient Methods. Medziagotyra, 2016, 22, .	0.1	0

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55	Laboratory testing of a building envelope segment based on cellular concrete. AIP Conference Proceedings, 2016, , .	0.3	0
56	UHPFRC at high temperatures â€“ Simultaneous thermal analysis and therm dilatometry. AIP Conference Proceedings, 2016, , .	0.3	3
57	Computational modeling of latent-heat-storage in PCM modified interior plaster. AIP Conference Proceedings, 2016, , .	0.3	1
58	High-temperature testing of high performance fiber reinforced concrete. AIP Conference Proceedings, 2016, , .	0.3	1
59	Modified lime-cement plasters with enhanced thermal and hygric storage capacity for moderation of interior climate. Energy and Buildings, 2016, 126, 113-127.	3.1	54
60	Porosity of UHPFRC exposed to high temperatures determined by different techniques. AIP Conference Proceedings, 2016, , .	0.3	2
61	Preparation of fine powdered composite for latent heat storage. AIP Conference Proceedings, 2016, , .	0.3	0
62	Energy-efficient thermal treatment of sewage sludge for its application in blended cements. Journal of Cleaner Production, 2016, 112, 409-419.	4.6	99
63	High Temperature Exposure of HPC â€“ Experimental Analysis of Residual Properties and Thermal Response. MATEC Web of Conferences, 2016, 63, 01004.	0.1	1
64	PREPARATION OF PUZZOLANA ACTIVE TWO COMPONENT COMPOSITE FOR LATENT HEAT STORAGE. Ceramics - Silikaty, 2016, , 291-298.	0.2	5
65	EFFECT OF SANDSTONE ANISOTROPY ON ITS HEAT AND MOISTURE TRANSPORT PROPERTIES. Medziagotyra, 2015, 21, .	0.1	0
66	Monitoring Thermal Performance of Hollow Bricks with Different Cavity Fillers in Difference Climate Conditions. International Journal of Thermophysics, 2015, 36, 557-568.	1.0	20
67	Applicability of contemporary ceramic bricks for the reconstruction of historical masonry. AIP Conference Proceedings, 2015, , .	0.3	3
68	Parameters describing the coupled water and nitrate transport and storage in materials of historical masonry. AIP Conference Proceedings, 2015, , .	0.3	3
69	Service Life Assessment of Historical Building Envelopes Constructed Using Different Types of Sandstone: A Computational Analysis Based on Experimental Input Data. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	25
70	Effect of Freeze/Thaw Cycles on the Physical Properties of Selected Building Stones. Advanced Materials Research, 2014, 1035, 83-88.	0.3	1
71	Effect of temperature on water vapor transport properties. Journal of Building Physics, 2014, 38, 156-169.	1.2	16
72	Application of Mixed Ceramic Powder in Cement Based Composites. Advanced Materials Research, 0, 1054, 177-181.	0.3	19

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73	Influence of PCM Admixture on Thermal Behavior of Composite Plaster. Advanced Materials Research, 0, 1054, 209-214.	0.3	3