

Diana Bajare

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,284
citations

430442

18
h-index

360668

35
g-index

40
all docs

40
docs citations

40
times ranked

1233
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Self-Healing Concrete for Damage Management of Structures. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800074.	1.9	412
2	Comparative life cycle assessment of magnesium binders as an alternative for hemp concrete. <i>Resources, Conservation and Recycling</i> , 2018, 133, 288-299.	5.3	82
3	A review of the legal framework in shallow geothermal energy in selected European countries: Need for guidelines. <i>Renewable Energy</i> , 2020, 147, 2556-2571.	4.3	62
4	Effect of Pozzolanic Additives on the Strength Development of High Performance Concrete. <i>Procedia Engineering</i> , 2017, 172, 202-210.	1.2	57
5	Coal Combustion Bottom Ash as Microfiller with Pozzolanic Properties for Traditional Concrete. <i>Procedia Engineering</i> , 2013, 57, 149-158.	1.2	55
6	The use of different by-products in the production of lightweight alkali activated building materials. <i>Construction and Building Materials</i> , 2017, 135, 315-322.	3.2	51
7	Gypsum, Geopolymers, and Starch-Alternative Binders for Bio-Based Building Materials: A Review and Life-Cycle Assessment. <i>Sustainability</i> , 2020, 12, 5666.	1.6	51
8	Addressing the need for standardization of test methods for self-healing concrete: an inter-laboratory study on concrete with macrocapsules. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 661-682.	2.8	50
9	Impact of reactive SiO ₂ /Al ₂ O ₃ ratio in precursor on durability of porous alkali activated materials. <i>Ceramics International</i> , 2017, 43, 5471-5477.	2.3	39
10	Metals removal from aqueous solutions by tailored porous waste-based granulated alkali-activated materials. <i>Applied Clay Science</i> , 2019, 179, 105147.	2.6	38
11	Unconventional experimental technologies used for phase change materials (PCM) characterization: part 2 – morphological and structural characterization, physico-chemical stability and mechanical properties. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 1415-1426.	8.2	33
12	Technological properties of phosphogypsum binder obtained from fertilizer production waste. <i>Energy Procedia</i> , 2018, 147, 301-308.	1.8	33
13	Evaluation of Methodologies for Assessing Self-Healing Performance of Concrete with Mineral Expansive Agents: An Interlaboratory Study. <i>Materials</i> , 2021, 14, 2024.	1.3	29
14	Experimental testing of phase change materials in a warm-summer humid continental climate. <i>Energy and Buildings</i> , 2019, 195, 205-215.	3.1	27
15	Novel Mycelium-Based Biocomposites (MBB) as Building Materials. <i>Journal of Renewable Materials</i> , 2020, 8, 1067-1076.	1.1	27
16	Clean vs. Green: Redefining renewable energy. Evidence from Latvia, Lithuania, and Romania. <i>Renewable Energy</i> , 2018, 121, 412-419.	4.3	24
17	Bio-based construction panels for low carbon development. <i>Energy Procedia</i> , 2018, 147, 220-226.	1.8	24
18	Properties of Foamed Lightweight High-Performance Phosphogypsum-Based Ternary System Binder. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6222.	1.3	20

#	ARTICLE	IF	CITATIONS
19	Evaluation of Industrial by-products as pozzolans: A road map for use in concrete production. Case Studies in Construction Materials, 2020, 13, e00424.	0.8	18
20	Compressive Strength of Cement Mortar Affected by Sand Microfiller Obtained with Collision Milling in Disintegrator. Procedia Engineering, 2017, 172, 149-156.	1.2	14
21	Fast Setting Binders for Application in 3D Printing of Bio-Based Building Materials. Sustainability, 2020, 12, 8838.	1.6	14
22	Environmental Benefit of Alternative Binders in Construction Industry: Life Cycle Assessment. Environments - MDPI, 2022, 9, 6.	1.5	13
23	Applicability of freeze-thaw resistance testing methods for high strength concrete at extreme $\sim 52.5^{\circ}\text{C}$ and standard $\sim 18^{\circ}\text{C}$ testing conditions. Case Studies in Construction Materials, 2018, 8, 139-149.	0.8	12
24	Alkali-Activated Metakaolin as a Zeolite-Like Binder for the Production of Adsorbents. Inorganics, 2019, 7, 141.	1.2	12
25	The Formation of Microstructure in High Strength Concrete Containing Micro and Nanosilica. Key Engineering Materials, 2014, 604, 83-86.	0.4	10
26	Alkaline Activated Material for pH Control in Biotechnologies. Key Engineering Materials, 2014, 604, 223-226.	0.4	10
27	Processing of Gypsum Construction and Demolition Waste and Properties of Secondary Gypsum Binder. Recycling, 2022, 7, 30.	2.3	10
28	In-situ measurements of hemp-lime insulation materials for energy efficiency improvement. Energy Procedia, 2018, 147, 242-248.	1.8	9
29	The Properties of Mineral Additives Obtained by Collision Milling in Disintegrator. Key Engineering Materials, 0, 721, 327-331.	0.4	7
30	The Effect of Activator on the Properties of Low-Calcium Alkali-Activated Mortars. Key Engineering Materials, 2014, 604, 169-172.	0.4	6
31	Durability of High Strength Self Compacting Concrete with Metakaolin Containing Waste. Key Engineering Materials, 0, 674, 65-70.	0.4	6
32	Evaluation of Heating and Cooling Loads for a Well-Insulated Single-Family House under Variable Climate Pattern. Environmental and Climate Technologies, 2021, 25, 750-763.	0.5	6
33	The Influence of Zeolitic By-Product Containing Ammonium Ions on Properties of Hardened Cement Paste. Minerals (Basel, Switzerland), 2021, 11, 123.	0.8	5
34	Biodeterioration of Sustainable Hemp Shive Biocomposite Based on Gypsum and Phosphogypsum. Journal of Natural Fibers, 2022, 19, 10550-10563.	1.7	5
35	Low-Calcium, Porous, Alkali-Activated Materials as Novel pH Stabilizers for Water Media. Minerals (Basel, Switzerland), 2020, 10, 935.	0.8	4
36	Porous alkali activated materials with slow alkali release dynamic. Role of composition. Materiales De Construcción, 2018, 68, 145.	0.2	3

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37	Alkali-Activated Zeolite 4A Granulesâ€™ Characterization and Suitability Assessment for the Application of Adsorption. Crystals, 2021, 11, 360.	1.0	2
38	The workability kinetics of phosphogypsum binder. , 0, , .		2
39	Micro-scale modeling-based approach for calculation of thermal conductivity of bio-based building composite. AIP Conference Proceedings, 2021, , .	0.3	2
40	INVESTIGATION OF SOCIAL OPINION ON GREEN LIFESTYLE, ECO-FRIENDLY BUILDINGS AND SAVING OF RESOURCES. EMPIRICAL RESEARCH. , 0, , .		0