

Samir Baklouti

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,267
citations

304602

22
h-index

360920

35
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36
all docs

36
docs citations

36
times ranked

1022
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the reactivity of alkaline solution and metakaolin on geopolymer formation. Journal of Non-Crystalline Solids, 2015, 410, 127-134.	1.5	121
2	An overview on the potential of geopolymers for concrete infrastructure rehabilitation. Construction and Building Materials, 2012, 36, 1053-1058.	3.2	110
3	Structural, thermal and dielectric properties of phosphoric acid-based geopolymers with different amounts of H ₃ PO ₄ . Materials Letters, 2014, 116, 9-12.	1.3	93
4	Structure and properties of new eco-material obtained by phosphoric acid attack of natural Tunisian clay. Applied Clay Science, 2014, 101, 60-67.	2.6	85
5	Effect of curing temperature on the synthesis, structure and mechanical properties of phosphate-based geopolymers. Journal of Non-Crystalline Solids, 2019, 511, 62-67.	1.5	62
6	Binder burnout and evolution of the mechanical strength of dry-pressed ceramics containing poly(vinyl alcohol). Journal of the European Ceramic Society, 2001, 21, 1087-1092.	2.8	59
7	Mechanical Properties of Dry-Pressed Ceramic Green Products: The Effect of the Binder. Journal of the American Ceramic Society, 1997, 80, 1992-1996.	1.9	54
8	Dispersion of Al ₂ O ₃ suspension with acrylic copolymers bearing carboxylic groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 212, 271-283.	2.3	47
9	Enhanced dielectric performance of metakaolin-H ₃ PO ₄ geopolymers. Materials Letters, 2016, 164, 299-302.	1.3	44
10	The effect of an activation solution with siliceous species on the chemical reactivity and mechanical properties of geopolymers. Journal of Sol-Gel Science and Technology, 2015, 73, 250-259.	1.1	43
11	Mechanical, microstructural and structural investigation of phosphate-based geopolymers with respect to P/Al molar ratio. Journal of Solid State Chemistry, 2020, 281, 121025.	1.4	42
12	Binder Distribution in Spray-Dried Alumina Agglomerates. Journal of the European Ceramic Society, 1998, 18, 2117-2121.	2.8	39
13	Addition of low reactive clay into metakaolin-based geopolymer formulation: Synthesis, existence domains and properties. Powder Technology, 2016, 288, 212-220.	2.1	38
14	Effect of copolymer dispersant structure on the properties of alumina suspensions. Journal of the European Ceramic Society, 2003, 23, 905-911.	2.8	37
15	Interaction of cationic and anionic polyelectrolyte with SiO ₂ and Al ₂ O ₃ powders. Journal of the European Ceramic Society, 2002, 22, 1493-1500.	2.8	35
16	Structural and dielectric comparative studies of geopolymers prepared with metakaolin and Tunisian natural clay. Applied Clay Science, 2017, 139, 40-44.	2.6	35
17	A review on developments of environmentally friendly geopolymer technology. Materialia, 2021, 20, 101212.	1.3	35
18	A new processing aid for dry-pressing: A copolymer acting as dispersant and binder. Journal of the European Ceramic Society, 2007, 27, 2687-2695.	2.8	32

#	ARTICLE	IF	CITATIONS
19	Predictive tools to control the structure and the properties of metakaolin based geopolymer materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 212-221.	2.3	32
20	Effect of the calcinations temperatures of phosphate washing waste on the structural and mechanical properties of geopolymeric mortar. <i>Construction and Building Materials</i> , 2018, 185, 489-498.	3.2	31
21	Effect of binders on microstructural and mechanical properties of sintered alumina. <i>Materials Characterization</i> , 2011, 62, 912-916.	1.9	26
22	Dispersion of Al ₂ O ₃ concentrated suspensions with new molecules able to act as binder. <i>Journal of the European Ceramic Society</i> , 2004, 24, 2723-2731.	2.8	25
23	Phosphoric acid based geopolymerization: Effect of the mechanochemical and the thermal activation of the kaolin. <i>Ceramics International</i> , 2021, 47, 13446-13456.	2.3	24
24	The effect of binders on the strength and Young's modulus of dry pressed alumina. <i>Journal of the European Ceramic Society</i> , 1998, 18, 323-328.	2.8	23
25	Preparation, characterization and application in BSA solution of silica ceramic membranes. <i>Desalination</i> , 2010, 262, 188-195.	4.0	22
26	Spectroscopic and microscopic study of alkali activated mortars based on Tunisian phosphate washing waste. <i>Cement and Concrete Composites</i> , 2020, 105, 103449.	4.6	18
27	Effect of Composition on Structure and Mechanical Properties of Metakaolin Based PSS-Geopolymer. <i>International Journal of Material Science</i> , 2013, 3, 145.	0.4	14
28	Kaolin-poly(methacrylic) acid interaction: Polymer conformation and rheological behavior. <i>Comptes Rendus Chimie</i> , 2011, 14, 456-461.	0.2	10
29	Synthesis and characterization of Al ₂ O ₃ /ZnO nanocomposite by pressureless sintering. <i>Powder Technology</i> , 2014, 264, 278-290.	2.1	9
30	Dispersing Properties of Copolymers Able to Act as Binders. <i>Journal of the American Ceramic Society</i> , 2006, 89, 104-109.	1.9	6
31	Compaction Behaviour of Alumina Powders Spray-Dried with Organic Binders. <i>Journal De Physique III</i> , 1996, 6, 1283-1291.	0.3	5
32	Interaction of PMANa ⁺ with ZnO and Al ₂ O ₃ nanopowders: Adsorption, stability and rheological behavior. <i>Powder Technology</i> , 2013, 245, 273-280.	2.1	4
33	Effect of the Reactivity of the Alkaline Solution and the Metakaolin on the Geopolymer Formation. <i>Advances in Science and Technology</i> , 2014, 92, 20-25.	0.2	3
34	Physicochemical and rheological properties of thickeners produced from Tunisian clays. <i>Russian Journal of Applied Chemistry</i> , 2006, 79, 380-385.	0.1	2
35	Produtos de hidratação em argamassas geopoliméricas base de argila da Tunísia para reparo de estruturas de concreto. <i>Revista Materia</i> , 2016, 21, 213-226.	0.1	1
36	Geopolymeric repair mortars based on a low reactive clay. , 2018, , 293-313.		1