Samir Baklouti

List of Publications by Year
in descending order

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36 papers	1,267 citations	304602 22 h-index	360920 35 g-index
36 all docs	36 docs citations	36 times ranked	1022 citing authors

#	Article	IF	Citations
1	Phosphoric acid based geopolymerization: Effect of the mechanochemical and the thermal activation of the kaolin. Ceramics International, 2021, 47, 13446-13456.	2.3	24
2	A review on developments of environmentally friendly geopolymer technology. Materialia, 2021, 20, 101212.	1.3	35
3	Spectroscopic and microscopic study of alkali activated mortars based on Tunisian phosphate washing waste. Cement and Concrete Composites, 2020, 105, 103449.	4.6	18
4	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
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	Geopolymeric repair mortars based on a low reactive clay. , 2018, , 293-313.		1
7	Effect of the calcinations temperatures of phosphate washing waste on the structural and mechanical properties of geopolymeric mortar. Construction and Building Materials, 2018, 185, 489-498.	3.2	31
8	Structural and dielectric comparative studies of geopolymers prepared with metakaolin and Tunisian natural clay. Applied Clay Science, 2017, 139, 40-44.	2.6	35
9	Produtos de hidrataÃ§Ã£o em argamassas geopolimÃ©ricas Ã base de argila da TunÃsia para reparaÃ§Ã£o de estruturas de concreto. Revista Materia, 2016, 21, 213-226.	0.1	1
10	Predictive tools to control the structure and the properties of metakaolin based geopolymer materials. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 511, 212-221.	2.3	32
11	Enhanced dielectric performance of metakaolinâ€“H 3 PO 4 geopolymers. Materials Letters, 2016, 164, 299-302.	1.3	44
12	Addition of low reactive clay into metakaolin-based geopolymer formulation: Synthesis, existence domains and properties. Powder Technology, 2016, 288, 212-220.	2.1	38
13	Effect of the reactivity of alkaline solution and metakaolin on geopolymer formation. Journal of Non-Crystalline Solids, 2015, 410, 127-134.	1.5	121
14	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
15	Effect of the Reactivity of the Alkaline Solution and the Metakaolin on the Geopolymer Formation. Advances in Science and Technology, 2014, 92, 20-25.	0.2	3
16	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
17	Structural, thermal and dielectric properties of phosphoric acid-based geopolymers with different amounts of H3PO4. Materials Letters, 2014, 116, 9-12.	1.3	93
18	Synthesis and characterization of Al2O3/Zno nanocomposite by pressureless sintering. Powder Technology, 2014, 264, 278-290.	2.1	9

#	Article	IF	Citations
19	Interaction of PMANa+ with ZnO and Al2O3 nanopowders: Adsorption, stability and rheological behavior. Powder Technology, 2013, 245, 273-280.	2.1	4
20	Effect of Composition on Structure and Mechanical Properties of Metakaolin Based PSS-Geopolymer. International Journal of Material Science, 2013, 3, 145.	0.4	14
21	An overview on the potential of geopolymers for concrete infrastructure rehabilitation. Construction and Building Materials, 2012, 36, 1053-1058.	3.2	110
22	Effect of binders on microstructural and mechanical properties of sintered alumina. Materials Characterization, 2011, 62, 912-916.	1.9	26
23	Kaolinâ€“poly(methacrylic) acid interaction: Polymer conformation and rheological behavior. Comptes Rendus Chimie, 2011, 14, 456-461.	0.2	10
24	Preparation, characterization and application in BSA solution of silica ceramic membranes. Desalination, 2010, 262, 188-195.	4.0	22
25	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
26	Dispersing Properties of Copolymers Able to Act as Binders. Journal of the American Ceramic Society, 2006, 89, 104-109.	1.9	6
27	Physicochemical and rheological properties of thickeners produced from Tunisian clays. Russian Journal of Applied Chemistry, 2006, 79, 380-385.	0.1	2
28	Dispersion of Al2O3 concentrated suspensions with new molecules able to act as binder. Journal of the European Ceramic Society, 2004, 24, 2723-2731.	2.8	25
29	Dispersion of Al2O3 suspension with acrylic copolymers bearing carboxylic groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 212, 271-283.	2.3	47
30	Effect of copolymer dispersant structure on the properties of alumina suspensions. Journal of the European Ceramic Society, 2003, 23, 905-911.	2.8	37
31	Interaction of cationic and anionic polyelectrolyte with SiO2 and Al2O3 powders. Journal of the European Ceramic Society, 2002, 22, 1493-1500.	2.8	35
32	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
33	Binder Distribution in Spray-Dried Alumina Agglomerates. Journal of the European Ceramic Society, 1998, 18, 2117-2121.	2.8	39
34	The effect of binders on the strength and Youngâ€™s modulus of dry pressed alumina. Journal of the European Ceramic Society, 1998, 18, 323-328.	2.8	23
35	Mechanical Properties of Dryâ€Pressed Ceramic Green Products: The Effect of the Binder. Journal of the American Ceramic Society, 1997, 80, 1992-1996.	1.9	54
36	Compaction Behaviour of Alumina Powders Spray-Dried with Organic Binders. Journal De Physique III, 1996, 6, 1283-1291.	0.3	5