Mazen Alshaaer

List of Publications by Year
in descending order

32 papers	818 citations	623574 14 h-index	501076 28 g-index
35 all docs	35 docs citations	35 times ranked	837 citing authors

#	Article	IF	Citations
1	Synthesis and Characterization of Date Palm Fiber-Reinforced Geopolymer Composite. Arabian Journal for Science and Engineering, 2022, 47, 12323-12332.	1.7	2
2	Effects of magnetite incorporation in a chemically bonded phosphate ceramic. Journal of Physics and Chemistry of Solids, 2022, 162, 110531.	1.9	3
3	The Impact of Full-Scale Substitution of Ca2+ with Ni2+ Ions on Brushiteâ€™s Crystal Structure and Phase Composition. Crystals, 2022, 12, 940.	1.0	3
4	Microstructural characteristics and longâ€term stability of wollastoniteâ€based chemically bonded phosphate ceramics. International Journal of Applied Ceramic Technology, 2021, 18, 319-331.	1.1	8
5	Synthesis, Characterization, and Recyclability of a Functional Jute-Based Geopolymer Composite. Frontiers in Built Environment, 2021, 7, .	1.2	7
6	Gradual Replacement of Ca2+ with Mg2+ Ions in Brushite for the Production of Ca1â^'xMgxHPO4Â·nH2O Materials. Minerals (Basel, Switzerland), 2021, 11, 284.	0.8	5
7	Effect of Ca2+ Replacement with Cu2+ Ions in Brushite on the Phase Composition and Crystal Structure. Minerals (Basel, Switzerland), 2021, 11, 1028.	0.8	4
8	Polyimide Surface Modification Using He-H2O Atmospheric Pressure Plasma Jet-Discharge Power Effect. Coatings, 2020, 10, 662.	1.2	11
9	The effect of natural fibres template on the chemical and structural properties of Biphasic Calcium Phosphate scaffold. Materials Research Express, 2020, 7, 065405.	0.8	10
10	Synthesis and characterization of self-healing geopolymer composite. Construction and Building Materials, 2020, 245, 118432.	3.2	21
11	Effects of the full-scale substitution of strontium for calcium on the microstructure of brushite: (CaxSr1â€“x)HPO4.nH2O system. Clay Minerals, 2020, 55, 366-374.	0.2	9
12	Biomass fly ash and biomass bottom ash. , 2019, , 23-58.		20
13	Fabrication, microstructural and mechanical characterization of Luffa Cylindrical Fibre - Reinforced geopolymer composite. Applied Clay Science, 2017, 143, 125-133.	2.6	63
14	Fabrication of porous bioceramics for bone tissue applications using luffa cylindrical fibres (LCF) as template. Processing and Application of Ceramics, 2017, 11, 13-20.	0.4	17
15	Development of functional geopolymers for water purification, and construction purposes. Journal of Saudi Chemical Society, 2016, 20, S85-S92.	2.4	18
16	Stabilization/solidification of heavy metals in kaolin/zeolite based geopolymers. International Journal of Mineral Processing, 2015, 137, 34-42.	2.6	119
17	Microstructural characteristics and adsorption potential of a zeolitic tuffâ€“metakaolin geopolymer. Desalination and Water Treatment, 2015, 56, 338-345.	1.0	34
18	Advantages of Applying a Steam Curing Cycle for the Production of Kaolinite-Based Geopolymers. Arabian Journal for Science and Engineering, 2014, 39, 7591-7597.	1.1	8

#	Article	IF	Citations
19	Synthesis of Geopolymers Using Local Resources for Construction and Water Purification. Journal of Water Resource and Protection, 2014, 06, 507-513.	0.3	12
20	Stiffened Sandwich Beam Using Glass Fiber Reinforced Inorganic Phosphate Cement (IPC). Greener Journal of Science Engineering and Technological Research, 2014, 4, 009-016.	0.2	0
21	Composition and technological properties of geopolymers based on metakaolin and red mud. Materials & Design, 2013, 52, 648-654.	5.1	146
22	Two-phase geopolymerization of kaolinite-based geopolymers. Applied Clay Science, 2013, 86, 162-168.	2.6	36
23	Physicochemical and Microstructural Characterization of Injectable Load-Bearing Calcium Phosphate Scaffold. Advances in Materials Science and Engineering, 2013, 2013, 1-8.	1.0	10
24	Adsorption of Cu(II), Ni(II), Zn(II), Cd(II) and Pb(II) onto Kaolin/Zeolite Based- Geopolymers. Advances in Materials Physics and Chemistry, 2012, 02, 119-125.	0.3	35
25	Degree of reactivity of two kaolinitic minerals in alkali solution using zeolitic tuff or silica sand filler. Ceramics International, 2012, 38, 5061-5067.	2.3	18
26	Production of monetite-based Inorganic Phosphate Cement (M-IPC) using hydrothermal post curing (HTPC). Cement and Concrete Research, 2011, 41, 30-37.	4.6	35
27	Evaluation of a low temperature hardening Inorganic Phosphate Cement for high-temperature applications. Cement and Concrete Research, 2011, 41, 38-45.	4.6	33
28	Alkali solid-state conversion of kaolin and zeolite to effective adsorbents for removal of lead from aqueous solution. Desalination and Water Treatment, 2009, 8, 124-130.	1.0	20
29	The influence of using Jordanian natural zeolite on the adsorption, physical, and mechanical properties of geopolymers products. Journal of Hazardous Materials, 2009, 165, 379-387.	6.5	92
30	Use of Local Raw Materials for Construction Purposes. Advances in Science and Technology, 0, , .	0.2	6
31	Introductory Chapter: Case Studies of Functional Geopolymers. , 0, , .		0
32	Brushite: Synthesis, Properties, and Biomedical Applications. , 0, , .		1