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List of Publications by Year
in descending order

44 papers	1,846 citations	304743 22 h-index	265206 42 g-index
46 all docs	46 docs citations	46 times ranked	916 citing authors

#	Article	IF	Citations
1	Geopolymer binders from metakaolin using sodium waterglass from waste glass and rice husk ash as alternative activators: A comparative study. Construction and Building Materials, 2016, 114, 276-289.	7.2	202
2	Mechanical and microstructural properties of metakaolin-based geopolymer cements from sodium waterglass and phosphoric acid solution as hardeners: A comparative study. Applied Clay Science, 2017, 140, 81-87.	5.2	127
3	Mechanical activation of volcanic ash for geopolymer synthesis: effect on reaction kinetics, gel characteristics, physical and mechanical properties. RSC Advances, 2016, 6, 39106-39117.	3.6	103
4	Influence of the molar concentration of phosphoric acid solution on the properties of metakaolin-phosphate-based geopolymer cements. Applied Clay Science, 2017, 147, 184-194.	5.2	100
5	Effect of silicate modulus on the setting, mechanical strength and microstructure of iron-rich aluminosilicate (laterite) based-geopolymer cured at room temperature. Ceramics International, 2018, 44, 21442-21450.	4.8	97
6	Synthesis of sodium waterglass from white rice husk ash as an activator to produce metakaolin-based geopolymer cements. Journal of Building Engineering, 2016, 6, 252-261.	3.4	96
7	Volcanic ash-based geopolymer cements/concretes: the current state of the art and perspectives. Environmental Science and Pollution Research, 2017, 24, 4433-4446.	5.3	88
8	Reactivity of volcanic ash in alkaline medium, microstructural and strength characteristics of resulting geopolymers under different synthesis conditions. Journal of Materials Science, 2016, 51, 10301-10317.	3.7	84
9	Utilization of sodium waterglass from sugar cane bagasse ash as a new alternative hardener for producing metakaolin-based geopolymer cement. Chemie Der Erde, 2017, 77, 257-266.	2.0	71
10	Comparison of metakaolin-based geopolymer cements from commercial sodium waterglass and sodium waterglass from rice husk ash. Journal of Sol-Gel Science and Technology, 2016, 78, 492-506.	2.4	68
11	Thermal Behavior of Metakaolin-Based Geopolymer Cements Using Sodium Waterglass from Rice Husk Ash and Waste Glass as Alternative Activators. Waste and Biomass Valorization, 2017, 8, 573-584.	3.4	67
12	Gel Composition and Strength Properties of Alkaliâ€Activated Oyster Shellâ€Volcanic Ash: Effect of Synthesis Conditions. Journal of the American Ceramic Society, 2016, 99, 3159-3166.	3.8	57
13	Water resistance and thermal behavior of metakaolin-phosphate-based geopolymer cements. Journal of Asian Ceramic Societies, 2018, 6, 271-283.	2.3	57
14	The influence of gibbsite in kaolin and the formation of berlinite on the properties of metakaolin-phosphate-based geopolymer cements. Materials Chemistry and Physics, 2017, 199, 280-288.	4.0	56
15	A comparative study of two methods to produce geopolymer composites from volcanic scoria and the role of structural water contained in the volcanic scoria on its reactivity. Ceramics International, 2015, 41, 12568-12577.	4.8	54
16	Meta-halloysite to improve compactness in iron-rich laterite-based alkali activated materials. Materials Chemistry and Physics, 2020, 239, 122268.	4.0	53
17	Microstructural and mechanical properties of poly(sialate-siloxo) networks obtained using metakaolins from kaolin and halloysite as aluminosilicate sources: A comparative study. Applied Clay Science, 2020, 186, 105448.	5.2	51
18	Synthesis and properties of inorganic polymers (geopolymers) derived from Cameroon-meta-halloysite. Ceramics International, 2018, 44, 18499-18508.	4.8	48

#	Article	IF	Citations
19	Influence of the curing temperature on the properties of poly(phospho-ferro-siloxo) networks from laterite. SN Applied Sciences, 2019, 1, 1.	2.9	38
20	Acid-based geopolymers using waste fired brick and different metakaolins as raw materials. Applied Clay Science, 2020, 198, 105813.	5.2	35
21	Design of low cost semi-crystalline calcium silicate from biomass for the improvement of the mechanical and microstructural properties of metakaolin-based geopolymer cements. Materials Chemistry and Physics, 2019, 223, 98-108.	4.0	33
22	The effects of synthesized calcium phosphate compounds on the mechanical and microstructural properties of metakaolin-based geopolymer cements. Construction and Building Materials, 2018, 163, 776-792.	7.2	27
23	Microstructure and mechanical, physical and structural properties of sustainable lightweight metakaolin-based geopolymer cements and mortars employing rice husk. Journal of Asian Ceramic Societies, 2019, 7, 199-212.	2.3	22
24	Preparation of low-cost nano and microcomposites from chicken eggshell, nano-silica and rice husk ash and their utilisations as additives for producing geopolymer cements. Journal of Asian Ceramic Societies, 2020, 8, 149-161.	2.3	22
25	Investigation of the relationship between the condensed structure and the chemically bonded water content in the poly(sialate-siloxo) network. Applied Clay Science, 2018, 156, 77-86.	5.2	20
26	Removal of lead ions from aqueous solution using phosphateâ€based geopolymer cement composite. Journal of Chemical Technology and Biotechnology, 2021, 96, 1358-1369.	3.2	20
27	Microstructural and mechanical properties of (Ca, Na)-poly(sialate-siloxo) from metakaolin as aluminosilicate and calcium silicate from precipitated silica and calcined chicken eggshell. Construction and Building Materials, 2019, 201, 662-675.	7.2	18
28	Structural and Physico-mechanical Investigations of Mine Tailing-Calcined Kaolinite Based Phosphate Geopolymer Binder. Silicon, 2022, 14, 3563-3570.	3.3	17
29	Influence of alumina on the compressive strengths and microstructural properties of the acid-based geopolymers from calcined indurated laterite and metakaolin. Applied Clay Science, 2021, 209, 106148.	5.2	17
30	Influence of the molar ratios CaO/SiO2 contained in the sustainable microcomposites on the mechanical and microstructural properties of (Ca, Na)-poly(sialate-siloxo) networks. Materials Chemistry and Physics, 2019, 238, 121928.	4.0	12
31	Reaction kinetics and microstructural characteristics of iron-rich-laterite-based phosphate binder. Construction and Building Materials, 2022, 320, 126302.	7.2	12
32	Moisture Control Capacity of Geopolymer Composites: Correlation of the Bulk Compositionâ€"Pore Network with the Absorptionâ€"Desorption Behavior. Transport in Porous Media, 2018, 122, 77-95.	2.6	11
33	Production of Porous Poly(phospho-siloxo) Networks for Thermal Insulations Using Low-Value Calcium-Rich Wastes as Pore-Forming Agents. Waste and Biomass Valorization, 2020, 11, 5857-5875.	3.4	10
34	Geopolymer cementâ€"modified carbon paste electrode: application to electroanalysis of traces of lead(II) ions in aqueous solution. Journal of Solid State Electrochemistry, 2021, 25, 1183-1195.	2.5	10
35	Improvement of the reactivity of sodaâ€"limeâ€"silica glass solution as a hardener for producing geopolymer materials. SN Applied Sciences, 2019, 1, 1.	2.9	8
36	Role of Î£-Al2O3 on the mechanical and microstructural properties of metakaolin-based geopolymer cements. Journal of Sol-Gel Science and Technology, 2018, 86, 305-315.	2.4	6

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37	Utilization of geopolymer cements as supercapacitors: influence of the hardeners on their properties. SN Applied Sciences, 2020, 2, 1.	2.9	4
38	A comparative study of the compressive strengths and microstructural properties of geopolymer cements from metakaolin and waste fired brick as aluminosilicate sources. Journal of the Korean Ceramic Society, 2021, 58, 236-247.	2.3	4
39	The Coexistence of the Poly(phospho-siloxo) Networks and Calcium Phosphates on the Compressive Strengths of the Acid-Based Geopolymers Obtained at Room Temperature. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3301-3323.	3.7	4
40	Compressive Strengths and Microstructural Properties of Geopolymeric Materials Arising from the Addition of Semi-crystalline Alumina to Silica-rich Aluminosilicate Sources. Silicon, 0, , 1.	3.3	4
41	Physical properties and microstructures of poly(phospho-siloxo) and poly(sialate-siloxo) networks from two metakaolins. Journal of the Korean Ceramic Society, 2021, 58, 452-470.	2.3	3
42	Semi-Adiabatic Calorimetry to Determine the Temperature and the Time of the Formation of Faujasite and Geopolymer Gels in the Composites Prepared at Room Temperature and the Investigation of the Properties of the Hardened Composites. Silicon, 2022, 14, 4669-4681.	3.3	3
43	The Effect of Gel-Type Contributions in Lime-Sand Bricks, Alkali-Activated Slags and CEMI/CEMIII Pastes: Implications for Next Generation Concretes. Gels, 2022, 8, 9.	4.5	3
44	Pore Analysis and the Behaviour of the Unreacted Metakaolin Particles in the Networks of Geopolymer Cements Using Metakaolins From Kaolinitic and Halloysitic Clays. Silicon, 0, , 1.	3.3	2