

Shu Yan

List of Publications by Year in descending order

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29
papers

1,092
citations

516215

16
h-index

500791

28
g-index

29
all docs

29
docs citations

29
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of high-temperature heat treatment on the mechanical properties of unidirectional carbon fiber reinforced geopolymer composites. <i>Ceramics International</i> , 2010, 36, 1447-1453.	2.3	209
2	Effects of fiber length on mechanical properties and fracture behavior of short carbon fiber reinforced geopolymer matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 497, 181-185.	2.6	181
3	Thermal evolution and crystallization kinetics of potassium-based geopolymer. <i>Ceramics International</i> , 2011, 37, 59-63.	2.3	81
4	Effects of fibre content on mechanical properties and fracture behaviour of short carbon fibre reinforced geopolymer matrix composites. <i>Bulletin of Materials Science</i> , 2009, 32, 77-81.	0.8	80
5	In situ fabrication and characterization of graphene/geopolymer composites. <i>Ceramics International</i> , 2015, 41, 11242-11250.	2.3	65
6	Effect of reduced graphene oxide content on the microstructure and mechanical properties of graphene-geopolymer nanocomposites. <i>Ceramics International</i> , 2016, 42, 752-758.	2.3	57
7	Interplay between storage temperature, medium and leaching kinetics of hazardous wastes in Metakaolin-based geopolymer. <i>Journal of Hazardous Materials</i> , 2020, 384, 121377.	6.5	51
8	Safe trapping of cesium into doping-enhanced pollucite structure by geopolymer precursor technique. <i>Journal of Hazardous Materials</i> , 2019, 367, 577-588.	6.5	43
9	Crystallization behavior and mechanical properties of high open porosity dolomite hollow microspheres filled hybrid geopolymer foams. <i>Cement and Concrete Composites</i> , 2019, 104, 103376.	4.6	34
10	Synthesis of novel low-cost porous gangue microsphere/geopolymer composites and their adsorption properties for dyes. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 1602-1614.	1.1	29
11	Hydrothermal transformation of geopolymers to bulk zeolite structures for efficient hazardous elements adsorption. <i>Science of the Total Environment</i> , 2021, 767, 144973.	3.9	29
12	Microstructural evolution and mechanical properties of in situ nano Ta ₄ HfC ₅ reinforced SiBCN composite ceramics. <i>Journal of Advanced Ceramics</i> , 2020, 9, 739-748.	8.9	28
13	<i>In Situ</i> Processing of Graphene/Leucite Nanocomposite Through Graphene Oxide/Geopolymer. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1164-1173.	1.9	27
14	Effects of kinds of alkali-activated ions on geopolymerization process of geopolymer cement pastes. <i>Construction and Building Materials</i> , 2021, 293, 123536.	3.2	26
15	Immobilization behavior of Sr in geopolymer and its ceramic product. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1372-1384.	1.9	24
16	Effects of graphene oxide on the geopolymerization mechanism determined by quenching the reaction at intermediate states. <i>RSC Advances</i> , 2017, 7, 13498-13508.	1.7	19
17	Microstructures, mechanical properties and oxidation resistance of SiBCN ceramics with the addition of MgO, ZrO ₂ and SiO ₂ (MZS) as sintering additives. <i>RSC Advances</i> , 2015, 5, 52194-52205.	1.7	14
18	First-principles study of the anisotropic thermal expansion and thermal transport properties in h-BN. <i>Science China Materials</i> , 2021, 64, 953-963.	3.5	14

#	ARTICLE	IF	CITATIONS
19	Synthesis and mechanical properties of lightweight hybrid geopolymer foams reinforced with carbon nanotubes. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2335-2345.	1.1	12
20	From bulk to porous structures: Tailoring monoclinic SrAl ₂ Si ₂ O ₈ ceramic by geopolymer precursor technique. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4957-4968.	1.9	10
21	Effects of Li Substitution on the Microstructure and Thermal Expansion Behavior of Pollucite Derived from Geopolymer. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3784-3791.	1.9	9
22	Effects of Na ⁺ substitution Cs ⁺ on the microstructure and thermal expansion behavior of ceramic derived from geopolymer. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4412-4424.	1.9	8
23	Molecular Dynamics Simulation on Structure and Dielectric Permittivity of BaTiO ₃ /PVDF Composites. <i>Advances in Polymer Technology</i> , 2021, 2021, 1-14.	0.8	8
24	Effects of Zr and chopped C fiber on microstructure and mechanical properties of SiBCN ceramics. <i>Science China Technological Sciences</i> , 2020, 63, 1520-1530.	2.0	7
25	Geopolymer-Encapsulated Cesium Lead Bromide Perovskite Nanocrystals for Potential Display Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 11695-11700.	2.4	6
26	Effects of Si/Al Ratios on the Bulk-Type Zeolite Formation Using Synthetic Metakaolin-Based Geopolymer with Designated Composition. <i>Crystals</i> , 2021, 11, 1310.	1.0	6
27	Low-cost, green synthesis and adsorption properties for dyes of novel porous gangue/palygorskite composite microspheres. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1510-1524.	1.1	5
28	Effects of high-temperature exposure on properties of lightweight geopolymer foams incorporating diatomite powders. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 2158-2168.	1.1	5
29	Preparation and mechanical performance of SiC w /geopolymer composites through direct ink writing. <i>Journal of the American Ceramic Society</i> , 0, , .	1.9	5