

Shuai Fu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,177
citations

361413

20
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Si/Al ratio on the structure and properties of metakaolin based geopolymer. <i>Ceramics International</i> , 2016, 42, 14416-14422.	4.8	240
2	Decoupling the effects of defects on efficiency and stability through phosphonates in stable halide perovskite solar cells. <i>Joule</i> , 2021, 5, 1246-1266.	24.0	91
3	Long-lived charge separation following pump-wavelength-dependent ultrafast charge transfer in graphene/WS ₂ heterostructures. <i>Science Advances</i> , 2021, 7, .	10.3	60
4	Nonplanar Rhombus and Kagome 2D Covalent Organic Frameworks from Distorted Aromatics for Electrical Conduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 5042-5050.	13.7	54
5	Small Size, Big Impact: Recent Progress in Bottom-Up Synthesized Nanographenes for Optoelectronic and Energy Applications. <i>Advanced Science</i> , 2022, 9, e2106055.	11.2	54
6	Synthesis of Nonplanar Graphene Nanoribbon with Fjord Edges. <i>Journal of the American Chemical Society</i> , 2021, 143, 5654-5658.	13.7	52
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.	12.4	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.	12.4	43
9	Outstanding Charge Mobility by Band Transport in Two-Dimensional Semiconducting Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2022, 144, 7489-7496.	13.7	43
10	Hydrothermal synthesis of pollucite from metakaolin-based geopolymer for hazardous wastes storage. <i>Journal of Cleaner Production</i> , 2020, 248, 119240.	9.3	42
11	In situ processing of MWCNTs/leucite composites through geopolymer precursor. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2219-2226.	5.7	41
12	Exceptional electron conduction in two-dimensional covalent organic frameworks. <i>CheM</i> , 2021, 7, 3309-3324.	11.7	41
13	Band transport by large Fröhlich polarons in MXenes. <i>Nature Physics</i> , 2022, 18, 544-550.	16.7	40
14	Module-Patterned Polymerization towards Crystalline 2D sp ² -Carbon Covalent Organic Framework Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	38
15	A Nanographene-Based Two-Dimensional Covalent Organic Framework as a Stable and Efficient Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	38
16	Monoclinic-celsian ceramics formation: Through thermal treatment of ion-exchanged 3D printing geopolymer precursor. <i>Journal of the European Ceramic Society</i> , 2019, 39, 563-573.	5.7	34
17	Hydrothermal transformation of geopolymers to bulk zeolite structures for efficient hazardous elements adsorption. <i>Science of the Total Environment</i> , 2021, 767, 144973.	8.0	29
18	Celsian formation from barium-exchanged geopolymer precursor: Thermal evolution. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4179-4185.	5.7	25

#	ARTICLE	IF	CITATIONS
19	Immobilization behavior of Sr in geopolymer and its ceramic product. Journal of the American Ceramic Society, 2020, 103, 1372-1384.	3.8	24
20	B ₂ O ₃ -assisted low-temperature crystallization of pollucite structures and their potential applications in Cs ⁺ immobilization. Journal of Nuclear Materials, 2020, 540, 152314.	2.7	21
21	Highly mobile hot holes in Cs ₂ AgBiBr ₆ double perovskite. Science Advances, 2021, 7, eabj9066.	10.3	21
22	Solution-Processed Graphene–Nanographene van der Waals Heterostructures for Photodetectors with Efficient and Ultralong Charge Separation. Journal of the American Chemical Society, 2021, 143, 17109-17116.	13.7	19
23	Molecularly Engineered Black Phosphorus Heterostructures with Improved Ambient Stability and Enhanced Charge Carrier Mobility. Advanced Materials, 2021, 33, e2105694.	21.0	16
24	In-situ formation of bulk and porous h-AlN/SiC-based ceramics from geopolymer technique. Ceramics International, 2019, 45, 24727-24733.	4.8	15
25	From bulk to porous structures: Tailoring monoclinic SrAl ₂ Si ₂ O ₈ ceramic by geopolymer precursor technique. Journal of the American Ceramic Society, 2020, 103, 4957-4968.	3.8	10
26	Mechanical properties and in situ fracture behavior of SiO ₂ /phosphate geopolymer composites. Rare Metals, 2020, 39, 562-569.	7.1	9
27	Direct ink writing of geopolymer with high spatial resolution and tunable mechanical properties. Additive Manufacturing, 2021, 46, 102202.	3.0	8
28	Module–Patterned Polymerization towards Crystalline 2D sp ² –Carbon Covalent Organic Framework Semiconductors. Angewandte Chemie, 2022, 134, .	2.0	7
29	Geopolymer-Encapsulated Cesium Lead Bromide Perovskite Nanocrystals for Potential Display Applications. ACS Applied Nano Materials, 2020, 3, 11695-11700.	5.0	6
30	Tuning interfacial charge transfer in atomically precise nanographene–graphene heterostructures by engineering van der Waals interactions. Journal of Chemical Physics, 2022, 156, 074702.	3.0	5