

Yuming Tian

List of Publications by Year in descending order

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34
papers

609
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687363

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34
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	A new method for synthesis of ZnO flower-like nanostructures and their photocatalytic performance. <i>Physica B: Condensed Matter</i> , 2022, 624, 413395.	2.7	14
2	Preparation study for the low thermal expansion spodumene/mullite composites. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 1702-1712.	2.1	5
3	Two-step preparation of fly ash-based composites for microwave absorption. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1043-1051.	2.1	3
4	Properties of magnesium-aluminate spinel derived from bauxite and magnesia. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1205-1212.	2.1	4
5	Temperature dependent thermal conductivity of Ila diamond by laser excited Raman spectroscopy. <i>Applied Physics Letters</i> , 2021, 118, 192104.	3.3	3
6	Synthesis and Microwave Absorption Properties of Fe-Loaded Fly Ash-Based Ceramic Composites. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3307-3319.	4.3	25
7	Novel ceramic-based microwave absorbents derived from gangue. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14238-14245.	5.5	15
8	Effect of feldspar milling on the properties of low-density ceramic proppants. <i>Materials Research Innovations</i> , 2020, , 1-7.	2.3	1
9	Photoluminescence studies of the 640nm center in electron irradiated Ila diamond. <i>Spectroscopy Letters</i> , 2020, 53, 580-586.	1.0	1
10	Photoluminescence and annealing of nitrogen-interstitials defects in electron irradiated diamond. <i>Spectroscopy Letters</i> , 2020, 53, 270-276.	1.0	3
11	Effects of Feldspar Content on Microstructure and Property for High-Strength Corundum-Mullite Proppants. <i>Transactions of the Indian Ceramic Society</i> , 2020, 79, 18-22.	1.0	5
12	Effects of CaCO ₃ additive on properties and microstructure of corundum-and mullite-based ceramic proppants. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 1026-1032.	2.1	12
13	The Effect of Sintering Temperature on Phase Evolution and Sintering Mechanism of Ceramic Proppants with CaCO ₃ Addition. <i>Materials Research</i> , 2020, 23, .	1.3	2
14	Creation and Migration of Intrinsic Defects in Si-Doped Diamond Produced Using Microwave Plasma Chemical Vapor Deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900003.	1.8	2
15	Sintering mechanism of high-intensity and low-density ceramic proppants prepared by recycling of waste ceramic sands. <i>Advances in Applied Ceramics</i> , 2019, 118, 114-120.	1.1	7
16	Effects of sintering temperature on microstructure, properties, and crushing behavior of ceramic proppants. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1450-1459.	2.1	7
17	Toughening effect of mullite whisker within low-density ceramic proppants. <i>Advanced Composites Letters</i> , 2019, 28, 2633366X1989062.	1.3	3
18	Preparation and characterization of low-density ceramic proppant containing coal gangue additive. <i>Materials Research Innovations</i> , 2019, 23, 61-65.	2.3	5

#	ARTICLE	IF	CITATIONS
19	Low-temperature sintering of ceramic proppants by adding solid wastes. International Journal of Applied Ceramic Technology, 2018, 15, 563-568.	2.1	18
20	Preparation and characterization of low-cost high-performance mullite-quartz ceramic proppants for coal bed methane wells. Science and Engineering of Composite Materials, 2018, 25, 957-961.	1.4	6
21	Microstructure and fracture mechanism of low density ceramic proppants. Materials Letters, 2018, 213, 92-94.	2.6	26
22	Effective reduction of sintering temperature and breakage ratio for a low-cost ceramic proppant by feldspar addition. International Journal of Applied Ceramic Technology, 2018, 15, 191-196.	2.1	24
23	Solution combustion synthesis and enhanced gas sensing properties of porous In ₂ O ₃ /ZnO heterostructures. RSC Advances, 2017, 7, 34482-34487.	3.6	11
24	Photoluminescence Studies of Both the Neutral and Negatively Charged Nitrogen-Vacancy Center in Diamond. Microscopy and Microanalysis, 2016, 22, 108-112.	0.4	15
25	Sintering temperature dependence of low-cost, low-density ceramic proppant with high breakage resistance. Materials Letters, 2016, 180, 127-129.	2.6	47
26	Chemical bath deposition of Cu ₂ O quantum dots onto ZnO nanorod arrays for application in photovoltaic devices. RSC Advances, 2015, 5, 23401-23409.	3.6	69
27	Effects of pyrolusite additive on the microstructure and mechanical strength of corundum-mullite ceramics. Ceramics International, 2015, 41, 4294-4300.	4.8	41
28	Microwave-assisted hydrothermal synthesis of Cu/Cu ₂ O hollow spheres with enhanced photocatalytic and gas sensing activities at room temperature. Dalton Transactions, 2015, 44, 7811-7821.	3.3	81
29	Synthesis of Cu ₂ O/ZnO hetero-nanorod arrays with enhanced visible light-driven photocatalytic activity. CrystEngComm, 2014, 16, 1149-1156.	2.6	132
30	Preparation and Dielectric Characterization of Lead-Free Niobate Glass-Ceramic Composites Added with Lu ₂ O ₃ . Journal of the American Ceramic Society, 2014, 97, 2353-2356.	3.8	5
31	Facile hydrothermal synthesis of large scale ZnO nanorod arrays and their growth mechanism. Materials Letters, 2013, 107, 269-272.	2.6	14
32	Effects of holding time on structure and the properties of spodumene/mullite composite ceramics. International Journal of Applied Ceramic Technology, 0, , .	2.1	2
33	Preparation and characterization of aluminum borate whiskers reinforced ceramics with MnO ₂ addition. International Journal of Applied Ceramic Technology, 0, , .	2.1	0
34	The influence of nitrogen doping on the thermal conductivity of diamond heat sink. Spectroscopy Letters, 0, , 1-6.	1.0	1