

Piao Liu

List of Publications by Citations

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

124
citations

6
h-index

11
g-index

18
ext. papers

176
ext. citations

4.2
avg, IF

2.36
L-index

#	Paper	IF	Citations
17	Low-cost and environment-friendly ceramic foams made from lead-zinc mine tailings and red mud: Foaming mechanism, physical, mechanical and chemical properties. <i>Ceramics International</i> , 2016 , 42, 1733-1739	5.1	43
16	Constructing a 3D compact sulfur host based on carbon-nanotube threaded defective Prussian blue nanocrystals for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1154-1163	13	16
15	A novel Nd ³⁺ -doped MgO-Al ₂ O ₃ -SiO ₂ -based transparent glass-ceramics: Toward excellent fluorescence properties. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 4213-4225	3.8	13
14	Effects of SrO/ZnO on structure and properties of UV-transmitting borophosphosilicate glass. <i>Physica B: Condensed Matter</i> , 2011 , 406, 4558-4563	2.8	12
13	Influence of addition of B ₂ O ₃ on properties of Yb ³⁺ -doped phosphate laser glass. <i>Central South University</i> , 2006 , 13, 468-472		8
12	Effects of heat treatment temperature on crystallization and thermal expansion coefficient of Li ₂ O-Al ₂ O ₃ -SiO ₂ . <i>Central South University</i> , 2004 , 11, 235-238		6
11	Graphene-Ag nanohexagonal platelets-based ink with high electrical properties at low sintering temperatures. <i>Nanotechnology</i> , 2016 , 27, 385603	3.4	6
10	Synthesis, Structure and Properties of MgO-Al ₂ O ₃ -SiO ₂ -B ₂ O ₃ Transparent Glass-Ceramics. <i>Silicon</i> , 2018 , 10, 2685-2693	2.4	4
9	Self-cleaning glass coated with Fe ³⁺ -TiO ₂ thin film. <i>Central South University</i> , 2004 , 11, 124-127		4
8	Preparation of low-temperature sintered high conductivity inks based on nanosilver self-assembled on surface of graphene. <i>Journal of Central South University</i> , 2019 , 26, 2953-2960	2.1	3
7	Low electrical resistivity of a graphene-AgNHPs based ink with a new processing method. <i>RSC Advances</i> , 2017 , 7, 15228-15235	3.7	2
6	Preparation and properties of a new scintillating glass. <i>Central South University</i> , 2002 , 9, 150-153		2
5	Investigation on plasma-sprayed ZrO ₂ thermal barrier coating on nickel alloy substrate. <i>Central South University</i> , 2002 , 9, 225-228		2
4	Effect of Fe ₂ O ₃ doping on structure, physical-mechanical properties and luminescence performance of magnesium-aluminum-silicon based glass-ceramics. <i>Ceramics International</i> , 2020 , 46, 28851-28859	5.1	2
3	Si ₃ N ₄ -doped Zr ₅₀ Al ₁₅ Ni ₁₀ Cu ₂₅ glassy alloy by mechanical alloying and sintering process. <i>Central South University</i> , 2010 , 17, 1125-1128		1
2	A novel Ag nanoparticles purification method and the conductive ink based on the purified Ag nanoparticles for printed electronics. <i>Journal of Nanoparticle Research</i> , 2022 , 24, 1	2.3	0
1	Forming regularity and relation between composition and property of B ₂ O ₃ -BaO-ZnO glass. <i>Central South University</i> , 2005 , 12, 521-525		

