

Jianhua Liu

List of Publications by Year in descending order

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31
papers

442
citations

840776

11
h-index

752698

20
g-index

31
all docs

31
docs citations

31
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Defluorination study of spent carbon cathode by microwave high-temperature roasting. Journal of Environmental Management, 2022, 302, 114028.	7.8	22
2	Effect of Y2O3 on the corrosion resistance of two-step sintered Al5Y3O12-MgAl2O4 sidewalls in the aluminum electrolyte. Journal of the European Ceramic Society, 2022, 42, 1815-1821.	5.7	3
3	Preparation of the micro-size flake silver powders by using a micro-jet reactor. Green Processing and Synthesis, 2022, 11, 385-395.	3.4	2
4	Preparation of micron-sized plate-like silver powders used in silver paste by wet-chemical reduction method. Journal of Materials Science: Materials in Electronics, 2022, 33, 14021-14031.	2.2	2
5	Comparative study on coprecipitation and microwave hydrothermal synthesis of magnesium aluminum spinel. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	1
6	Preparation and electrochemical properties of a novel porous Ti/Snâ€“Sb-RuO_x/Î²-PbO₂/MnO₂ anode for zinc electrowinning. RSC Advances, 2021, 11, 19136-19146.	3.6	5
7	Comparative study of conventional and microwave heating of polyacrylonitrile-based fibres. Journal of Polymer Engineering, 2021, 41, 175-183.	1.4	5
8	Effect of the microstructure and properties of graphite/copper composites fabricated by microwave sintering. Journal of Materials Science, 2021, 56, 9183-9195.	3.7	12
9	Study on Structure Evolution and Reaction Mechanism in Microwave Pre-oxidation. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3562-3571.	3.7	8
10	Effect of Microwave-Activated Sintering on Microstructure and Properties of Graphite/Copper Composites. ACS Applied Electronic Materials, 2021, 3, 2268-2276.	4.3	4
11	Effect of Reaction Time on the Synthesis and Sintering of Magnesium-Aluminium Spinel by Microwave Hydrothermal Synthesis. Transactions of the Indian Ceramic Society, 2021, 80, 265-269.	1.0	2
12	Microwave idrothermal synthesis of magnesium-aluminium spinel. Ceramics International, 2020, 46, 29207-29211.	4.8	8
13	Efficient method of recycling carbon fiber from the waste of carbon fiber reinforced polymer composites. Polymer Degradation and Stability, 2020, 182, 109419.	5.8	28
14	Efficient Preparation of Si3N4 by Microwave Treatment of Solar-Grade Waste Silicon Powder. ACS Omega, 2020, 5, 5834-5843.	3.5	11
15	Effects of oxidation treatment by KClO₃/H₂SO₄ systems on the chemical, crystal and microscopic structures of polyacrylonitrile fibers. New Journal of Chemistry, 2020, 44, 7876-7883.	2.8	6
16	Effect of Pb(NO3)2 on Preparation and Properties of CF/Î²-PbO2 Electrodes for Zinc Electrowinning. ECS Journal of Solid State Science and Technology, 2020, 9, 101003.	1.8	3
17	Preparation and Electrochemical Performance of the Stainless Steel/Î±-PbO₂-ZrO₂/Î²-PbO₂-ZrO₂-CNT Composite Anode. ECS Journal of Solid State Science and Technology, 2020, 9, 121011.	1.8	5
18	Fabrication of SiC reinforced aluminium metal matrix composites through microwave sintering. Materials Research Express, 2020, 7, 125101.	1.6	10

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19	Effect of B-site deficiency on the (In, Fe) co-doped SrTiO ₃ . Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	5
20	Effect of Ce(NO ₃) ₄ on the electrochemical properties of Ti/PbO ₂ â€“TiO ₂ â€“Ce(NO ₃) ₄ electrode for zinc electrowinning. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	18
21	Effect of KMnO ₄ on chemical, crystal and microscopic structure of polyacrylonitrile fibers. Ceramics International, 2019, 45, 17669-17674.	4.8	11
22	Hydrogen peroxide modified polyacrylonitrile-based fibers and oxidative stabilization under microwave and conventional heating â€“ The 1st comparative study. Ceramics International, 2019, 45, 13385-13392.	4.8	20
23	Microwave treatment of pre-oxidized fibers for improving their structure and mechanical properties. Ceramics International, 2019, 45, 1379-1384.	4.8	21
24	Study on the oxidative stabilization of polyacrylonitrile fibers by microwave heating. Polymer Degradation and Stability, 2018, 150, 86-91.	5.8	51
25	Elastic, electronic structure, and optical properties of orthorhombic Na ₃ AlF ₆ : a first-principles study. Ionics, 2018, 24, 1377-1383.	2.4	9
26	Preparation and properties of Pb/Sn/Al laminated composite anode for zinc electrowinning. RSC Advances, 2018, 8, 29147-29154.	3.6	6
27	Corrosion resistance mechanism of a novel porous Ti/Sn-Sb-RuO _x /Î²-PbO ₂ anode for zinc electrowinning. Corrosion Science, 2018, 144, 136-144.	6.6	54
28	Effect of CeO ₂ and graphite powder on the electrochemical performance of Ti/PbO ₂ anode for zinc electrowinning. Ceramics International, 2018, 44, 19735-19742.	4.8	51
29	Comparison of microwave and conventional heating methods for oxidative stabilization of polyacrylonitrile fibers at different holding time and heating rate. Ceramics International, 2018, 44, 14377-14385.	4.8	35
30	Pressureless sintered magnesium aluminate spinel with enhanced mechanical properties obtained by the two-step sintering method. Journal of Alloys and Compounds, 2016, 680, 133-138.	5.5	21
31	Influence of parameters of high-energy ball milling on the synthesis and densification of magnesium aluminate spinel. Science of Sintering, 2016, 48, 353-362.	1.4	3