

Quanyi Liu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

442
citations

1040056

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26
all docs

26
docs citations

26
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Developments in the Flame-Retardant System of Epoxy Resin. <i>Materials</i> , 2020, 13, 2145.	2.9	117
2	Thermal Stability and Flame Retardancy Properties of Epoxy Resin Modified with Functionalized Graphene Oxide Containing Phosphorus and Silicon Elements. <i>ACS Omega</i> , 2019, 4, 10975-10984.	3.5	67
3	Recent advances in nanostructured metal phosphides as promising anode materials for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19113-19132.	10.3	61
4	Metal Organic Frameworks Modified Proton Exchange Membranes for Fuel Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 694.	3.6	36
5	Novel MoS ₂ –DOPO Hybrid for Effective Enhancements on Flame Retardancy and Smoke Suppression of Flexible Polyurethane Foams. <i>ACS Omega</i> , 2020, 5, 2734-2746.	3.5	34
6	Recent advances of non-lithium metal anode materials for solid-state lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16761-16778.	10.3	23
7	Preparation of Covalent-Ionically Cross-Linked UiO-66-NH ₂ /Sulfonated Aromatic Composite Proton Exchange Membranes With Excellent Performance. <i>Frontiers in Chemistry</i> , 2020, 8, 56.	3.6	17
8	A phosphorus-containing hyperbranched phthalocyanine flame retardant for epoxy resins. <i>Scientific Reports</i> , 2021, 11, 17731.	3.3	17
9	Effect of Crosslinking Degree on Sulfonated Poly(aryl ether nitrile)s As Candidates for Proton Exchange Membranes. <i>Polymers</i> , 2019, 11, 964.	4.5	13
10	Research on Application of Fire Unmanned Aerial Vehicles in Emergency Rescue. , 2019, , .		10
11	Layered Tin Phosphide Composites as Promising Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 11306-11313.	5.1	10
12	Enhanced proton transport properties of sulfonated polyarylene ether nitrile (SPEN) with moniliform nanostructure UiO-66-NH ₂ /CNT. <i>High Performance Polymers</i> , 2021, 33, 1035-1046.	1.8	5
13	Two-dimensional spreading properties and sealing characteristics of fluorocarbon surfactants on several typical hydrocarbon fuels. <i>Scientific Reports</i> , 2021, 11, 1148.	3.3	5
14	Thermal Runaway Characteristics of 18650 NCM Lithium-ion Batteries under the Different Initial Pressures. <i>Electrochemistry</i> , 2022, 90, 087004-087004.	1.4	5
15	Constructing Ni–Mo ₂ C Nanohybrids Anchoring on Highly Porous Carbon Nanotubes as Efficient Multifunctional Electrocatalysts. <i>Nano</i> , 2020, 15, 2050135.	1.0	4
16	Properties and mechanism of a poly(ionic liquid) inhibitor contained bisfunctional groups for bentonite hydration. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51253.	2.6	4
17	Experimental study on the burning behavior of cardboard box fire under low air pressure. <i>Fire and Materials</i> , 2021, 45, 273-282.	2.0	3
18	Halogen-free and phosphorus-free flame retardants endow epoxy resin with high flame retardancy through crosslinking strategy. <i>High Performance Polymers</i> , 2022, 34, 560-567.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Influence of Aerogel Felt with Different Thickness on Thermal Runaway Propagation of 18650 Lithium-ion Battery. <i>Electrochemistry</i> , 2022, 90, 087003-087003.	1.4	3
20	Research on Forest Fire Helicopter Demand Forecast based on Index Fuzzy Segmentation and TOPSIS. , 2019, , .		2
21	Phase-field-crystal study on shear-induced coupled evolution of intragranular crack and grain boundary in nanoscale bicrystal system. <i>European Physical Journal B</i> , 2020, 93, 1.	1.5	1
22	Phase-field-crystal study on the crack propagation behavior in a nanoscale two-dimensional lattice in the presence of nonlinear disturbance strains. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2706-2717.	3.4	1
23	F distribution in FFH/binary FSK system with dividing combining receiver. <i>Electronics Letters</i> , 2019, 55, 747-749.	1.0	1
24	Suppression Effect of MoS2 Nanosheets for CO and CO2 Production During Combustion of Flexible Polyurethane Foams. , 2019, , .		0
25	Effect of State of Charge on Thermal Runaway Characteristics of 18650 Lithium Ion Batteries. , 2019, , .		0
26	Research on Emergency Material Demand Prediction Model Based on Improved Case-Based Reasoning and Neural Network. , 2021, , .		0