

# 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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h-index

752698

20  
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26  
all docs

26  
docs citations

26  
times ranked

380  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Thermal Runaway Characteristics of 18650 NCM Lithium-ion Batteries under the Different Initial Pressures. <i>Electrochemistry</i> , 2022, 90, 087004-087004.	1.4	5
4	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
5	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
6	Enhanced proton transport properties of sulfonated polyarylene ether nitrile (SPEN) with moniliform nanostructure UiO-66-NH <sub>2</sub> /CNT. <i>High Performance Polymers</i> , 2021, 33, 1035-1046.	1.8	5
7	Properties and mechanism of a poly(ionic liquid) inhibitor contained bi-functional groups for bentonite hydration. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51253.	2.6	4
8	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
9	A phosphorus-containing hyperbranched phthalocyanine flame retardant for epoxy resins. <i>Scientific Reports</i> , 2021, 11, 17731.	3.3	17
10	Layered Tin Phosphide Composites as Promising Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 11306-11313.	5.1	10
11	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
12	Research on Emergency Material Demand Prediction Model Based on Improved Case-Based Reasoning and Neural Network. , 2021, , .		0
13	Constructing Ni-Mo <sub>2</sub> C Nanohybrids Anchoring on Highly Porous Carbon Nanotubes as Efficient Multifunctional Electrocatalysts. <i>Nano</i> , 2020, 15, 2050135.	1.0	4
14	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
15	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
16	Metal Organic Frameworks Modified Proton Exchange Membranes for Fuel Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 694.	3.6	36
17	Recent Developments in the Flame-Retardant System of Epoxy Resin. <i>Materials</i> , 2020, 13, 2145.	2.9	117
18	Preparation of Covalent-Ionically Cross-Linked UiO-66-NH <sub>2</sub> /Sulfonated Aromatic Composite Proton Exchange Membranes With Excellent Performance. <i>Frontiers in Chemistry</i> , 2020, 8, 56.	3.6	17

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19	Novel MoS <sub>2</sub> –DOPO Hybrid for Effective Enhancements on Flame Retardancy and Smoke Suppression of Flexible Polyurethane Foams. ACS Omega, 2020, 5, 2734-2746.	3.5	34
20	Thermal Stability and Flame Retardancy Properties of Epoxy Resin Modified with Functionalized Graphene Oxide Containing Phosphorus and Silicon Elements. ACS Omega, 2019, 4, 10975-10984.	3.5	67
21	Effect of Crosslinking Degree on Sulfonated Poly(aryl ether nitrile)s As Candidates for Proton Exchange Membranes. Polymers, 2019, 11, 964.	4.5	13
22	Research on Forest Fire Helicopter Demand Forecast based on Index Fuzzy Segmentation and TOPSIS. , 2019, , .		2
23	Suppression Effect of MoS <sub>2</sub> Nanosheets for CO and CO <sub>2</sub> Production During Combustion of Flexible Polyurethane Foams. , 2019, , .		0
24	Research on Application of Fire Unmanned Aerial Vehicles in Emergency Rescue. , 2019, , .		10
25	Effect of State of Charge on Thermal Runaway Characteristics of 18650 Lithium Ion Batteries. , 2019, , .		0
26	F distribution in FFH/binary FSK system with dividing combining receiver. Electronics Letters, 2019, 55, 747-749.	1.0	1