

Quanyao Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Understanding the Electrochemical Formation and Decomposition of Li_2O and LiOH with <i>Operando</i> X-ray Diffraction. <i>Chemistry of Materials</i> , 2017, 29, 1577-1586.	3.2	68
2	Fe_2O_3 Nanoparticle Seed Catalysts Enhance Cyclability on Deep (Dis)charge in Aprotic Li^+O_2 Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703513.	10.2	43
3	Interpenetrating network V_2O_5 nanosheets/carbon nanotubes nanocomposite for fast lithium storage. <i>RSC Advances</i> , 2014, 4, 46624-46630.	1.7	31
4	Advance and prospect of metal-organic frameworks for perovskite photovoltaic devices. <i>Organic Electronics</i> , 2022, 106, 106546.	1.4	24
5	Novel synthesis and electrochemical investigations of ZnO/C composites for lithium-ion batteries. <i>Journal of Materials Science</i> , 2021, 56, 13227.	1.7	17
6	TiO_2/C nanocomposites prepared by thermal annealing of titanium glycerolate as anode materials for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 12244-12253.	1.7	13
7	Hydrothermal microwave-assisted synthesis of Li_3VO_4 as an anode for lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2205-2212.	1.2	13
8	Hot Mixing Behavior and Curing Process of Epoxy Asphalt. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 605-610.	0.4	12
9	Preparation and Property Enhancement of Poly(Vinylidene Fluoride) (PVDF)/Lead Zirconate Titanate (PZT) Composite Piezoelectric Films. <i>Journal of Electronic Materials</i> , 2021, 50, 6426-6437.	1.0	11
10	Performance enhancements in poly(vinylidene fluoride)-based piezoelectric films prepared by the extrusion-casting process. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21837-21847.	1.1	9
11	Synthesis and ion-selective properties of $\text{NH}_4\text{V}_3\text{O}_8$ microcrystals. <i>Russian Journal of Inorganic Chemistry</i> , 2015, 60, 270-275.	0.3	7
12	$\text{V}_2\text{O}_3/\text{C}$ composite fabricated by carboxylic acid-assisted sol-gel synthesis as anode material for lithium-ion batteries. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 549-558.	1.1	7
13	$\text{NH}_4\text{V}_3\text{O}_7$: Synthesis, morphology, and optical properties. <i>Russian Journal of Inorganic Chemistry</i> , 2016, 61, 1584-1590.	0.3	5
14	Carbon nanotube-induced formation of vanadium oxide nanorods and nanotubes. <i>Journal of Materials Research</i> , 2013, 28, 627-634.	1.2	4
15	Researches on the structure and electrochemical properties of $\text{MoxV}_2\text{-xO}_{5+y}$ nanosheets. <i>Ionics</i> , 2017, 23, 2855-2862.	1.2	4
16	Research on the electrochromic properties of Mxene intercalated vanadium pentoxide xerogel films. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 1399-1407.	1.2	4
17	Manipulation of Crystallization Kinetics for Perovskite Photovoltaics Prepared Using Two-Step Method. <i>Crystals</i> , 2022, 12, 815.	1.0	4
18	Synthesis and Characterization of Novel Vanadium Dioxide Nanorods. <i>Materials Research Society Symposia Proceedings</i> , 2003, 788, 1271.	0.1	3

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19	Property enhancement in flexible poly(vinylidene fluoride)-based piezoelectric films with large-area preparation. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51698.	1.3	3
20	Lead-Free Perovskite Single Crystals: A Brief Review. <i>Crystals</i> , 2021, 11, 1329.	1.0	3
21	Nanocomposites of $V_{1.67}M_{0.33}O_5 \cdot nH_2O$ (M = Ti or Mo) xerogels intercalated with hydroquinone and poly(vinyl alcohol). <i>Russian Journal of Inorganic Chemistry</i> , 2006, 51, 1339-1344.	0.3	2
22	Investigation on Dynamic Mechanical Properties of Crosslinked Poly(styrene-co-divinylbenzene) Bulk Copolymers: Effect of Divinylbenzene Content. <i>Polymers and Polymer Composites</i> , 2012, 20, 83-88.	1.0	2
23	Hydrothermal synthesis and thermal stability of self-assembling $NH_4V_3O_7$ microcrystals. <i>Russian Journal of Inorganic Chemistry</i> , 2015, 60, 653-657.	0.3	2
24	Effect of gamma-ray irradiation on surface flashover of poly(styrene-co-divinyl benzene) in vacuum. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 1183-1188.	0.7	1
25	Layered $Ni_{0.22}V_2O_5 \cdot nH_2O$ as high-performance cathode material for aqueous zinc-ion batteries. <i>Ionics</i> , 2021, 27, 4801.	1.2	1
26	Effect of Mo Doping and Heat Treatment on Microstructure and Electrochemical Performance of Vanadium Oxide Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2003, 788, 11361.	0.1	0
27	Dynamic mechanical and thermal properties of cross-linked polystyrene/glass fiber composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 780-784.	0.4	0
28	Ion-selective properties of metastable $(VO)_{0.09}V_{0.18}Mo_{0.82}O_3 \cdot 0.54H_2O$. <i>Inorganic Materials</i> , 2011, 47, 906-910.	0.2	0
29	Research on gamma-ray irradiation-assisted synthesis of cross-linked polystyrene via bulk polymerization. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 697-703.	0.7	0