

Quanyao Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Advance and prospect of metal-organic frameworks for perovskite photovoltaic devices. <i>Organic Electronics</i> , 2022, 106, 106546.	1.4	24
4	Manipulation of Crystallization Kinetics for Perovskite Photovoltaics Prepared Using Two-Step Method. <i>Crystals</i> , 2022, 12, 815.	1.0	4
5	V ₂ O ₃ /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
6	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
7	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
8	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
9	Layered Ni _{0.22} V ₂ O ₅ ·nH ₂ O as high-performance cathode material for aqueous zinc-ion batteries. <i>Ionics</i> , 2021, 27, 4801.	1.2	1
10	Lead-Free Perovskite Single Crystals: A Brief Review. <i>Crystals</i> , 2021, 11, 1329.	1.0	3
11	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
12	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
13	Hydrothermal microwave-assisted synthesis of Li ₃ VO ₄ as an anode for lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2205-2212.	1.2	13
14	Fe ₂ O ₃ Nanoparticle Seed Catalysts Enhance Cyclability on Deep (Dis)charge in Aprotic Li ₂ O Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703513.	10.2	43
15	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
16	Researches on the structure and electrochemical properties of MoxV ₂ -xO ₅ +y nanosheets. <i>Ionics</i> , 2017, 23, 2855-2862.	1.2	4
17	Understanding the Electrochemical Formation and Decomposition of Li ₂ O ₂ and LiOH with <i>in Operando</i> X-ray Diffraction. <i>Chemistry of Materials</i> , 2017, 29, 1577-1586.	3.2	68
18	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

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19	NH ₄ V ₃ O ₇ : Synthesis, morphology, and optical properties. Russian Journal of Inorganic Chemistry, 2016, 61, 1584-1590.	0.3	5
20	Hydrothermal synthesis and thermal stability of self-assembling NH ₄ V ₃ O ₇ microcrystals. Russian Journal of Inorganic Chemistry, 2015, 60, 653-657.	0.3	2
21	Synthesis and ion-selective properties of NH ₄ V ₃ O ₈ microcrystals. Russian Journal of Inorganic Chemistry, 2015, 60, 270-275.	0.3	7
22	Interpenetrating network V ₂ O ₅ nanosheets/carbon nanotubes nanocomposite for fast lithium storage. RSC Advances, 2014, 4, 46624-46630.	1.7	31
23	Carbon nanotube-induced formation of vanadium oxide nanorods and nanotubes. Journal of Materials Research, 2013, 28, 627-634.	1.2	4
24	Investigation on Dynamic Mechanical Properties of Crosslinked Poly(styrene-co-divinylbenzene) Bulk Copolymers: Effect of Divinylbenzene Content. Polymers and Polymer Composites, 2012, 20, 83-88.	1.0	2
25	Ion-selective properties of metastable (VO) _{0.09} V _{0.18} Mo _{0.82} O ₃ · 0.54H ₂ O. Inorganic Materials, 2011, 47, 906-910.	0.2	0
26	Dynamic mechanical and thermal properties of cross-linked polystyrene/glass fiber composites. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 780-784.	0.4	0
27	Nanocomposites of V _{1.67} M _{0.33} O ₅ · nH ₂ O (M = Ti or Mo) xerogels intercalated with hydroquinone and poly(vinyl alcohol). Russian Journal of Inorganic Chemistry, 2006, 51, 1339-1344.	0.3	2
28	Synthesis and Characterization of Novel Vanadium Dioxide Nanorods. Materials Research Society Symposia Proceedings, 2003, 788, 1271.	0.1	3
29	Effect of Mo Doping and Heat Treatment on Microstructure and Electrochemical Performance of Vanadium Oxide Nanotubes. Materials Research Society Symposia Proceedings, 2003, 788, 11361.	0.1	0