

Rong-hua Zeng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/482798/publications.pdf>

Version: 2024-02-01

44
papers

1,082
citations

516710

16
h-index

414414

32
g-index

44
all docs

44
docs citations

44
times ranked

1592
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Cathode Materials for Sodium-Ion Batteries: From Fundamental Research to Potential Commercial Application. <i>Advanced Functional Materials</i> , 2022, 32, 2107718.	14.9	75
2	Effect of different shell structure on lithium storage properties of MoS ₂ anode. <i>Journal of Electroanalytical Chemistry</i> , 2022, 905, 115972.	3.8	3
3	Graphene-Supported Naphthalene-Based Polyimide Composite as a High-Performance Sodium Storage Cathode. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11448-11456.	8.0	8
4	Interfacial engineering facilitating robust Li _{0.635} Ga _{0.15} La ₃ Zr _{1.8} Nb _{0.2} O ₁₂ for all-solid-state lithium batteries. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2077-2084.	4.9	10
5	Enhancing the understanding of the redox properties of lithium-inserted anthraquinone derivatives by regulating molecular structure. <i>Journal of Electroanalytical Chemistry</i> , 2021, 887, 115172.	3.8	6
6	The modulation of the discharge plateau of benzoquinone for sodium-ion batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 1675-1683.	4.9	8
7	Exploring structural stability mechanism of TiO ₂ encapsulated in 3D flower-like SnS ₂ anode for lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020, 857, 113740.	3.8	12
8	C ₁₄ H ₆ O ₄ Na ₂ /graphene composite as a high performance sodium storage cathode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114749.	3.8	9
9	Mechanism of a Lithiated Interlayer for Improving the Cycle Life of High Voltage Li-Ion Batteries Using a Commercial Carbonate Electrolyte. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8057-8066.	3.1	5
10	Holey graphene/MnO ₂ nanosheets with open ion channels for high-performance solid-state asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 3446-3457.	4.5	10
11	Investigation on the pseudocapacitive charge storage mechanism of MnO ₂ in various electrolytes by electrochemical quartz crystal microbalance (EQCM). <i>Ionics</i> , 2019, 25, 2393-2399.	2.4	4
12	Structural modulation of anthraquinone with different functional groups and its effect on electrochemical properties for lithium-ion batteries. <i>Journal of Central South University</i> , 2019, 26, 1449-1457.	3.0	5
13	Lithium bisoxalatodifluorophosphate (LiBODFP) as a multifunctional electrolyte additive for 5ÅV LiNi _{0.5} Mn _{1.5} O ₄ -based lithium-ion batteries with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8292-8301.	10.3	82
14	Enhanced lithium storage properties achieved by TiO ₂ reinforced 2D CuO clusters. <i>Sustainable Materials and Technologies</i> , 2019, 21, e00097.	3.3	1
15	Synthesis of layered materials by ultrasonic/microwave-assisted coprecipitation method: A case study of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ . <i>Sustainable Materials and Technologies</i> , 2018, 18, e00083.	3.3	11
16	Quinone Electrode Materials for Rechargeable Lithium/Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700278.	19.5	268
17	Triphenylamine-thiazolothiazole-benzodithiophene based conjugated copolymers for polymer solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4705-4710.	2.2	5
18	Preparation and performance of Li ₄ C ₁₀ H ₄ O ₈ with multi-carboxyl groups as anode material for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2016, 782, 202-206.	3.8	17

#	ARTICLE	IF	CITATIONS
19	Supramolecule-Inspired Fabrication of Carbon Nanoparticles In Situ Anchored Graphene Nanosheets Material for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 26775-26782.	8.0	39
20	C ₁₀ H ₄ O ₂ S ₂ /graphene composite as a cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 18409-18415.	10.3	35
21	Heteroaromatic organic compound with conjugated multi-carbonyl as cathode material for rechargeable lithium batteries. Scientific Reports, 2016, 6, 23515.	3.3	34
22	Two new three-dimensional metal-organic frameworks with 4-connected diamondoid and unusual (6,16)-connected net topologies based on planar tetranuclear squares as secondary building units. CrystEngComm, 2016, 18, 1174-1183.	2.6	15
23	Electrochemical behavior and simultaneous determination of catechol, resorcinol, and hydroquinone using thermally reduced carbon nano-fragment modified glassy carbon electrode. Analytical Methods, 2016, 8, 605-613.	2.7	37
24	Self-assembled Co ₃ O ₄ nanostructure with controllable morphology towards high performance anode for lithium ion batteries. Electrochimica Acta, 2016, 188, 909-916.	5.2	34
25	Chemical compositions and antibacterial activities of essential oils extracted from <i>Alpinia guilinenis</i> against selected foodborne pathogens. Industrial Crops and Products, 2016, 83, 607-613.	5.2	44
26	Tucked flower-like SnS ₂ /Co ₃ O ₄ composite for high-performance anode material in lithium-ion batteries. Electrochimica Acta, 2016, 190, 843-851.	5.2	33
27	Construction of Two 3D Main Group Coordination Polymers Based on 2-(2-Pyridyl)-5-imidazole-dicarboxylic Acid: Structures and Luminescent Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2677-2682.	1.2	3
28	A novel sandwich-like Co ₃ O ₄ /TiO ₂ composite with greatly enhanced electrochemical performance as anode for lithium ion batteries. Electrochimica Acta, 2015, 174, 985-991.	5.2	29
29	A novel shuttle-like Fe ₃ O ₄ -Co ₃ O ₄ self-assembling architecture with highly reversible lithium storage. RSC Advances, 2015, 5, 70527-70535.	3.6	9
30	Facile synthesis of Li ₂ C ₈ H ₄ O ₄ -graphene composites as high-rate and sustainable anode materials for lithium ion batteries. RSC Advances, 2014, 4, 59498-59502.	3.6	27
31	A novel Eu(III)-Ag(I) heterometallic coordination polymer based on planar hexanuclear heterometallic second building unit. Inorganic Chemistry Communication, 2014, 50, 75-78.	3.9	7
32	Superfine TiO ₂ /SnO ₂ /Carbon Hybrid Nanocomposite with Greatly Enhanced Electrochemical Properties. Electrochimica Acta, 2014, 147, 603-609.	5.2	12
33	2D Ln ^{III} (Nd/La)-Ag ^I Heterometallic and Tm ^{III} Homometallic Coordination Polymers Based on Pyridine Dicarboxylate Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 147-152.	1.2	3
34	Polycarbonyl(quinonyl) organic compounds as cathode materials for sustainable lithium ion batteries. Electrochimica Acta, 2014, 146, 447-454.	5.2	51
35	The construction of two lanthanide coordination polymers based on 5-hydroxyisophthalate and bipyridine. Journal of Coordination Chemistry, 2013, 66, 2659-2668.	2.2	7
36	Synthesis, crystal structures and properties of Ln(III)-Cu(I)-Na(I) and Ln(III)-Ag(I) heterometallic coordination polymers. CrystEngComm, 2011, 13, 3910.	2.6	29

#	ARTICLE	IF	CITATIONS
37	Synthesis, Structure and Thermal Behavior of a New Coordination Polymer Based on Mixed Pyrazine-2-carboxylate and Oxalate Ligands. <i>Journal of Chemical Crystallography</i> , 2011, 41, 596-600.	1.1	2
38	TiO ₂ -coated SnO ₂ hollow spheres as anode materials for lithium ion batteries. <i>Rare Metals</i> , 2011, 30, 589-594.	7.1	22
39	Efficient Syntheses and Complexation Studies of Diacetylene-Containing Macrocyclic Polyethers. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 562-568.	2.4	11
40	Synthesis, crystal structure, and characterization of two lanthanide coordination polymers based on isonicotinate ligand. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3165-3174.	2.2	13
41	Controlled synthesis, structures and properties of one-, two-, and three-dimensional lanthanide coordination polymers based on (8-quinolyloxy)acetate. <i>CrystEngComm</i> , 2010, 12, 216-225.	2.6	18
42	Synthesis, Characterization and Thermal Behavior of Two 4d-4f Coordination Polymers Based on N and O Donor Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 393-398.	1.2	14
43	Hydrothermal Synthesis, Crystal Structure and Thermal Stability of two 3d-4f Heterometallic Coordination Polymers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 2381-2384.	1.2	3
44	Syntheses and characterization of three lanthanide(III) complexes containing pyridine-3,5-dicarboxylic acid and oxalic acid ligands. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2796-2803.	2.2	12