

Lijun Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2233986/publications.pdf>

Version: 2024-02-01

97
papers

3,530
citations

147801

31
h-index

149698

56
g-index

97
all docs

97
docs citations

97
times ranked

4531
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on recent advances in nanostructured transition-metal-sulfide-based electrode materials for cathode materials of asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 430, 132745.	12.7	184
2	Design heterostructure of NiS ₂ @NiS ₂ on NiFe layered double hydroxide with Mo doping for efficient overall water splitting. <i>Materials Today Energy</i> , 2022, 23, 100906.	4.7	17
3	Boosting the active sites and kinetics of VO ₂ by Mn pre-intercalated and PVP modified nanostructure to improve the cycle stability for aqueous zinc batteries. <i>Chemical Engineering Journal</i> , 2022, 433, 133528.	12.7	22
4	Micron-sized NiMn-glycerate solid spheres as cathode materials for all-solid-state asymmetric supercapacitor with superior energy density and cycling life. <i>Chemical Engineering Journal</i> , 2022, 431, 134100.	12.7	19
5	Hierarchical structure Ni ₃ S ₂ /Ni(OH) ₂ nanoarrays towards high-performance supercapacitors. <i>Journal of Solid State Chemistry</i> , 2022, 309, 122974.	2.9	8
6	Boosting the performance of nickel-cobalt LDH cathode with phosphorus and selenium co-doping for hybrid supercapacitor. <i>Materials Research Letters</i> , 2022, 10, 593-601.	8.7	15
7	One-pot preparation of La(OH) ₃ nanoparticles and NiMn LDH nanosheets with mutual support structure as cathode for high-performance aqueous zinc-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 918, 165547.	5.5	6
8	Disordered V ₁₂ O ₂₆ /V ₂ O ₅ nanoflower composites as cathode for aqueous zinc-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 916, 165489.	5.5	2
9	Construction of Ni ₃ S ₂ -Ni _x P _y /NF@NiFe LDH with heterogeneous interface to accelerate catalytic kinetics of overall water splitting. <i>Materials Research Letters</i> , 2022, 10, 762-770.	8.7	8
10	Solid-state-grinding method to synthesize NiCoFe alloy/NiCoFe(OH) nanosheets for asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156787.	5.5	24
11	Mn-doped ZnO microspheres as cathode materials for aqueous zinc ion batteries with ultrastability up to 10 000 cycles at a large current density. <i>Chemical Engineering Journal</i> , 2021, 421, 127770.	12.7	23
12	Metal-organic framework derived Co ₃ O ₄ @Mo-Co ₃ S ₄ -Ni ₃ S ₂ heterostructure supported on Ni foam for overall water splitting. <i>Chemical Engineering Journal</i> , 2021, 413, 127482.	12.7	64
13	Co _{1-x} Ni _x Zn _y (CO ₃) _{0.5} (OH) _{0.5} Nanoneedles@NiCo-Layered Double Hydroxide Nanosheet Composites on Vulcanized Ni Foams for Supercapacitors. <i>ACS Applied Nano Materials</i> , 2021, 4, 1743-1753.	5.0	10
14	Co/La-Doped NiO Hollow Nanocubes Wrapped with Reduced Graphene Oxide for Lithium Storage. <i>ACS Applied Nano Materials</i> , 2021, 4, 2910-2920.	5.0	19
15	CoMoO ₃ Nanoplate/Reduced Graphene Oxide Composites Decorated with Ag Nanoparticles for Electrocatalytic Water Oxidation. <i>ACS Applied Nano Materials</i> , 2021, 4, 5383-5393.	5.0	9
16	Raspberry-Shaped Nickel-Enhanced MnO-Based Carbon-Containing Nanostructures as Anode Materials for Li-Ion Batteries. <i>ACS Applied Nano Materials</i> , 2021, 4, 7925-7934.	5.0	6
17	Sandwich-like Ni-Zn hydroxide nanosheets vertically aligned on reduced graphene oxide via MOF templates towards boosting supercapacitive performance. <i>Chemical Engineering Journal</i> , 2021, 417, 129189.	12.7	44
18	Design tremella-like Ni-Co selenide with wonderful electrochemical performances as supercapacitor cathode material. <i>Electrochimica Acta</i> , 2021, 393, 139049.	5.2	17

#	ARTICLE	IF	CITATIONS
19	Dramatically comprehensive improved electrochemical performances of symmetric and asymmetric supercapacitors under external magnetic field. <i>Chemical Communications</i> , 2021, 57, 9216-9219.	4.1	6
20	A Composite Material with Internal Hydrophilicity and External Stability as the Cathode of Aqueous Zinc-Ion Batteries Exhibiting Excellent Rate Performance and Energy Density at High Power Density. <i>ACS Applied Energy Materials</i> , 2021, 4, 11580-11589.	5.1	7
21	Reduced Graphene Oxide-Coated Zinc-Cobalt Oxide Nanosheet Arrays with N-Doped Carbon Anchored on Carbon Cloths as Cathode Materials for High-Sulfur-Loading Li-S Batteries. <i>ACS Applied Nano Materials</i> , 2021, 4, 11526-11536.	5.0	10
22	Optimizing Fe ₂ O ₃ -based supercapacitor cathode with tunable surface pseudocapacitance via facile in situ vulcanization process. <i>Journal of Electroanalytical Chemistry</i> , 2021, 901, 115785.	3.8	14
23	Masking Effect of LPSO Structure Phase on Wear Transition in Mg ₉₇ Zn ₁ Y ₂ Alloy. <i>Metals</i> , 2021, 11, 1857.	2.3	1
24	Metal organic framework derived core-shell hollow CoS _x @NiCo-LDH as advanced electrode for high-performance supercapacitor. <i>Materials Letters</i> , 2020, 258, 126812.	2.6	34
25	Core-Shell MnO ₂ Nanotubes@Nickel-Cobalt-Zinc Hydroxide Nanosheets for Supercapacitive Energy Storage. <i>ACS Applied Nano Materials</i> , 2020, 3, 7462-7473.	5.0	21
26	W-Doped Ni ₃ S ₂ Nanoparticles Modified with NiFeLa Hydroxide for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 8372-8381.	5.0	21
27	Optimizing the supercapacitive performance via encasing MOF-derived hollow (Ni,Co)Se ₂ nanocubes into reduced graphene oxide. <i>Chemical Engineering Journal</i> , 2020, 399, 125789.	12.7	71
28	Engineering oxygen vacancy on iron oxides/hollow carbon cloth electrode toward stable lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 388, 124229.	12.7	26
29	MnO/Mn ₂ O ₃ Nanowires Coated by Porous N-Doped Carbon for Long-Cycle and High-Rate Lithium-Ion Batteries. <i>ACS Applied Nano Materials</i> , 2020, 3, 5612-5624.	5.0	24
30	Hollow nickel-cobalt-manganese hydroxide polyhedra via MOF templates for high-performance quasi-solid-state supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 378, 122210.	12.7	115
31	High Performance Asymmetric Supercapacitor Based on Ni ₃ S ₂ /MoS ₂ Nanoparticles. <i>ACS Applied Nano Materials</i> , 2019, 2, 4910-4920.	5.0	30
32	Ultra-long cyclic Ni nanoparticles/carbon network hybrid lithium-ion battery anode toward smart electronics. <i>Journal of Alloys and Compounds</i> , 2019, 803, 527-537.	5.5	14
33	Constructing efficient quasi-solid-state alkaline Ni-Fe battery based on Ni-Mn hydroxides/Ni ₃ S ₂ and FeOOH@RGO electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13076-13089.	2.2	13
34	Design of the seamless integrated C@NiMn-OH-Ni ₃ S ₂ /Ni foam advanced electrode for supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 362, 783-793.	12.7	52
35	Ni-Co-S/Co(OH) ₂ nanocomposite for high energy density all-solid-state asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 336, 602-611.	12.7	64
36	3D sponge-like porous structure of Mn ₂ O ₃ tiny nanosheets coated on Ni(OH) ₂ /Mn ₂ O ₃ nanosheet arrays for quasi-solid-state asymmetric supercapacitors with high performance. <i>Chemical Engineering Journal</i> , 2018, 339, 61-70.	12.7	43

#	ARTICLE	IF	CITATIONS
37	High-performance asymmetric supercapacitor based on flowery nickel-zinc phosphate microspheres with carbon dots. <i>Electrochimica Acta</i> , 2018, 292, 299-308.	5.2	35
38	Sheet-membrane Mn-doped nickel hydroxide encapsulated <i>via</i> heterogeneous Ni ₃ S ₂ nanoparticles for efficient alkaline battery supercapacitor hybrid devices. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19020-19029.	10.3	55
39	Cactus-like ZnS/Ni ₃ S ₂ hybrid with high electrochemical performance for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 753, 508-516.	5.5	37
40	Synthesis of a MnS/Ni _x S _y composite with nanoparticles coated on hexagonal sheet structures as an advanced electrode material for asymmetric supercapacitors. <i>RSC Advances</i> , 2018, 8, 17754-17763.	3.6	20
41	Co ₉ S ₈ /Mo ₂ S ₃ nanorods on CoS ₂ laminar arrays as advanced electrode with superior rate properties and long cycle life for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 351, 603-612.	12.7	35
42	Flowery nickel cobalt hydroxide <i>via</i> a solid liquid sulphur ion grafting route and its application in hybrid supercapacitive storage. <i>RSC Advances</i> , 2018, 8, 23817-23824.	3.6	10
43	Formation of honeycomb-like Mn-doping nickel hydroxide/Ni ₃ S ₂ nanohybrid for efficient supercapacitive storage. <i>Journal of Solid State Chemistry</i> , 2018, 267, 53-62.	2.9	15
44	Arrays of hierarchical nickel sulfides/MoS ₂ nanosheets supported on carbon nanotubes backbone as advanced anode materials for asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2017, 343, 373-382.	7.8	162
45	Synthesis of Fe _{0.32} Co _{0.68} /Al ₂ O ₃ @C nanocomposite for depth treatment of dye sewage based on adsorption and advanced catalytic oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6664-6676.	10.3	20
46	Superior performance of ZnCo ₂ O ₄ /ZnO@multiwall carbon nanotubes with laminated shape assembled as highly practical all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9815-9823.	10.3	46
47	An evenly distributed sulfur-doped nickel zinc hydroxyl carbonate dispersed structure for all-solid-state asymmetric supercapacitors with enhanced performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10227-10235.	10.3	27
48	Etched nickel microspheres catalyze methanol oxidation and in situ TEM observation of nickel microcrystal coalescence. <i>Materials and Design</i> , 2017, 122, 280-287.	7.0	2
49	Reusable Co _x Ni _{1-x} dye adsorbents as supercapacitor electrode materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8095-8107.	10.3	13
50	Serpent-cactus-like Co-doped Ni(OH) ₂ /Ni ₃ S ₂ hierarchical structure composed of ultrathin nanosheets for use in efficient asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1603-1613.	10.3	92
51	Environment-Friendly Approach to Fabricate Iron Nanochains as a Superb Adsorbent and Recycled as a Fine Photo-Fenton Catalyst. <i>Catalysis Letters</i> , 2017, 147, 592-601.	2.6	4
52	Room-temperature synthesis of sponge-like Co/Co(OH) ₂ nanocomposite for high-performance electrochemical Capacitors. <i>Materials Letters</i> , 2017, 186, 74-77.	2.6	10
53	Facile Synthesis of Fe ₃ O ₄ Nanocomposite and Its Magnetic Properties and Removal Ability for Congo Red. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2157-2160.	0.9	0
54	One-pot hydrothermal synthesis of octahedral CoFe/CoFe ₂ O ₄ submicron composite as heterogeneous catalysts with enhanced peroxymonosulfate activity. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9455-9465.	10.3	128

#	ARTICLE	IF	CITATIONS
55	One-pot fabricating Fe ₃ O ₄ /graphene nanocomposite with excellent biocompatibility and non-toxicity as a negative MR contrast agent. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 208-216.	5.0	32
56	One-pot formation of ultra-thin Ni/Co hydroxides with a sheet-like structure for enhanced asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9160-9168.	10.3	94
57	Room-temperature synthesis of Fe ₃ O ₄ /Fe-carbon nanocomposites with Fe-carbon double conductive network as supercapacitor. <i>Electrochimica Acta</i> , 2016, 215, 483-491.	5.2	56
58	Growth of vertically aligned Co ₃ S ₄ /CoMo ₂ S ₄ ultrathin nanosheets on reduced graphene oxide as a high-performance supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18857-18867.	10.3	150
59	High Efficient Photo-Fenton Catalyst of γ -Fe ₂ O ₃ /MoS ₂ Hierarchical Nanoheterostructures: Reutilization for Supercapacitors. <i>Scientific Reports</i> , 2016, 6, 31591.	3.3	68
60	Shape-controlled synthesis of Fe ₃ O ₄ nanocrystals with incontinuous multicavities. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 159-164.	2.6	6
61	Nanostructured Co _x Ni _{1-x} bimetallic alloys for high efficient and ultrafast adsorption: experiments and first-principles calculations. <i>RSC Advances</i> , 2016, 6, 9209-9220.	3.6	12
62	Preparation of a hierarchical flower-like γ -Al ₂ O ₃ @C composite exhibiting enhanced adsorption performance for congo red by high temperature transformation of γ -AlOOH@C precursors. <i>RSC Advances</i> , 2016, 6, 61-64.	3.6	25
63	Room-Temperature Synthesis of Ni Nanoparticles as the Absorbent Used for Sewage Treatment. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-4.	1.8	16
64	Facile one-pot synthesis of different surfactant-functionalized water-soluble Fe ₃ O ₄ nanoparticles as magnetic resonance imaging contrast agents for melanoma tumors. <i>RSC Advances</i> , 2015, 5, 50557-50564.	3.6	14
65	Synthesis of <i>hcp</i> -Co and mixture of <i>hcp</i> / <i>fcc</i> -Co crystals: Insight into their Congo red removal ability. <i>Journal of Materials Research</i> , 2014, 29, 989-995.	2.6	4
66	Markedly enhanced coercive field and Congo red adsorption capability of cobalt ferrite induced by the doping of non-magnetic metal ions. <i>Chemical Engineering Journal</i> , 2014, 241, 384-392.	12.7	35
67	Water-soluble amorphous iron oxide nanoparticles synthesized by a quickly pestling and nontoxic method at room temperature as MRI contrast agents. <i>Chemical Engineering Journal</i> , 2014, 235, 231-235.	12.7	22
68	Nanostructured Mn ₃ O ₄ –reduced graphene oxide hybrid and its applications for efficient catalytic decomposition of Orange II and high lithium storage capacity. <i>RSC Advances</i> , 2014, 4, 41838-41847.	3.6	40
69	A green-chemical synthetic route to fabricate a lamellar-structured Co/Co(OH) ₂ nanocomposite exhibiting a high removal ability for organic dye. <i>Dalton Transactions</i> , 2014, 43, 5393.	3.3	25
70	Synthesis of a Thin-Layer MnO ₂ Nanosheet-Coated Fe ₃ O ₄ Nanocomposite as a Magnetically Separable Photocatalyst. <i>Langmuir</i> , 2014, 30, 7006-7013.	3.5	126
71	Fabrication and magnetic properties of nickel dodecahedra. <i>Dalton Transactions</i> , 2014, 43, 5913.	3.3	1
72	Synthesis of nickel hierarchical structures and evaluation on their magnetic properties and Congo red removal ability. <i>Dalton Transactions</i> , 2013, 42, 3660.	3.3	22

#	ARTICLE	IF	CITATIONS
73	Facile preparation of a cobalt hybrid/graphene nanocomposite by in situ chemical reduction: high lithium storage capacity and highly efficient removal of Congo red. Dalton Transactions, 2013, 42, 8070.	3.3	21
74	Hydrothermal synthesis of pure BaFe ₁₂ O ₁₉ hexaferrite nanoplatelets under high alkaline system. Journal of Magnetism and Magnetic Materials, 2013, 332, 44-47.	2.3	29
75	Low-temperature hydrothermal synthesis of Fe_3O_4 nanocomposite for fast Congo red removal. Dalton Transactions, 2013, 42, 2572-2579.	3.3	67
76	Magnetic Properties of NiMnLa Ferrite Nanocrystals. Materials and Manufacturing Processes, 2012, 27, 1285-1289.	4.7	2
77	Investigation on the room-temperature preparation and application of chain-like iron flower and its ramifications in wastewater purification. Chemical Engineering Journal, 2012, 203, 277-284.	12.7	17
78	Room-temperature synthesis of air-stable cobalt nanoparticles and their highly efficient adsorption ability for Congo red. RSC Advances, 2012, 2, 5485.	3.6	67
79	Adsorption capability for Congo red on nanocrystalline MFe ₂ O ₄ (M = Mn, Fe, Co, Ni) spinel ferrites. Chemical Engineering Journal, 2012, 181-182, 72-79.	12.7	276
80	Facile preparation of Fe ₃ O ₄ nanoparticles with cetyltrimethylammonium bromide (CTAB) assistant and a study of its adsorption capacity. Chemical Engineering Journal, 2012, 181-182, 823-827.	12.7	23
81	Preparation of single-crystalline nickel nanoflowers and their potential application in sewage treatment. Materials Letters, 2012, 66, 267-269.	2.6	9
82	Study on the morphologies of nickel crystals and their magnetic properties. Materials Letters, 2012, 79, 142-144.	2.6	9
83	Preparation of nanocrystalline Fe _{3-x} La _x O ₄ ferrite and their adsorption capability for Congo red. Journal of Hazardous Materials, 2011, 196, 342-9.	12.4	47
84	Synthesis and characterization of Co sub-micro chains by solvothermal route: Process design, magnetism and excellent thermal stability. Chemical Engineering Journal, 2011, 173, 233-240.	12.7	7
85	Synthesis and Characterization of Single-Crystalline MnFe ₂ O ₄ Ferrite Nanocrystals and Their Possible Application in Water Treatment. European Journal of Inorganic Chemistry, 2011, 2011, 2942-2947.	2.0	62
86	Synthesis of nickel submicrocrystals by solvothermal method: Using different types of alkali. Materials Letters, 2010, 64, 215-218.	2.6	9
87	Synthesis and Characterization of Metallic Co with Different Hierarchical Structures Prepared by a Simple Solvothermal Method. European Journal of Inorganic Chemistry, 2010, 2010, 1957-1962.	2.0	8
88	Uniform Fe ₃ O ₄ Octahedra with Tunable Edge Length – Synthesis by a Facile Polyol Route and Magnetic Properties. European Journal of Inorganic Chemistry, 2010, 2010, 5635-5639.	2.0	26
89	Fabrication and characterization of uniform Fe ₃ O ₄ octahedral micro-crystals. Materials Letters, 2009, 63, 307-309.	2.6	28
90	Synthesis of Fe ₃ O ₄ polyhedra by hydrothermal method: using l-arginine as precipitator. Journal of Materials Science, 2009, 44, 4407-4412.	3.7	21

#	ARTICLE	IF	CITATIONS
91	The magnetic properties of nanocrystalline $\text{CoLa}_{0.1}\text{Fe}_{1.9}\text{O}_4$ ferrite under an external AC magnetic field. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 992-995.	2.2	2
92	Morphology-Controlled Synthesis of Magnetites with Nanoporous Structures and Excellent Magnetic Properties. <i>Chemistry of Materials</i> , 2008, 20, 198-204.	6.7	152
93	Magnetic Properties of Nd^{3+} -Doped $\text{Ni}_{0.7}\text{Mn}_{0.3}\text{Fe}_2\text{O}_4$ Ferrite Nanocrystal. <i>Materials and Manufacturing Processes</i> , 2007, 23, 5-9.	4.7	6
94	Magnetic properties of Re-substituted $\text{Ni}^{\text{II}}\text{Mn}$ ferrite nanocrystallites. <i>Journal of Materials Science</i> , 2007, 42, 686-691.	3.7	61
95	Study of preparation and magnetic properties of silica-coated cobalt ferrite nanocomposites. <i>Journal of Materials Science</i> , 2007, 42, 4110-4114.	3.7	25
96	Effects of Gd_2O_3 on structure and magnetic properties of Ni-Mn ferrite. <i>Journal of Materials Science</i> , 2006, 41, 3083-3087.	3.7	13
97	Structure and magnetic properties of $\text{Ni}_{0.7}\text{Mn}_{0.3}\text{Fe}_2\text{O}_4$ nanoparticles doped with La_2O_3 . <i>Physica Status Solidi A</i> , 2004, 201, 3121-3128.	1.7	21