Lijun Zhao

List of Publications by Year
in descending order

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

Version: 2024-02-01

97	3,530	147801	149698
papers	citations	31 h-index	56 g-index

97	97	97	4531
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adsorption capability for Congo red on nanocrystalline MFe2O4 (M = Mn, Fe, Co, Ni) spinel ferrites. Chemical Engineering Journal, 2012, 181-182, 72-79.	12.7	276
2	Review on recent advances in nanostructured transition-metal-sulfide-based electrode materials for cathode materials of asymmetric supercapacitors. Chemical Engineering Journal, 2022, 430, 132745.	12.7	184
3	Arrays of hierarchical nickel sulfides/MoS2 nanosheets supported on carbon nanotubes backbone as advanced anode materials for asymmetric supercapacitor. Journal of Power Sources, 2017, 343, 373-382.	7.8	162
4	Morphology-Controlled Synthesis of Magnetites with Nanoporous Structures and Excellent Magnetic Properties. Chemistry of Materials, 2008, 20, 198-204.	6.7	152
5	Growth of vertically aligned Co₃S₄/CoMo₂S₄ ultrathin nanosheets on reduced graphene oxide as a high-performance supercapacitor electrode. Journal of Materials Chemistry A, 2016, 4, 18857-18867.	10.3	150
6	One-pot hydrothermal synthesis of octahedral CoFe/CoFe₂O₄ submicron composite as heterogeneous catalysts with enhanced peroxymonosulfate activity. Journal of Materials Chemistry A, 2016, 4, 9455-9465.	10.3	128
7	Synthesis of a Thin-Layer MnO₂ Nanosheet-Coated Fe₃O₄ Nanocomposite as a Magnetically Separable Photocatalyst. Langmuir, 2014, 30, 7006-7013.	3.5	126
8	Hollow nickel-cobalt-manganese hydroxide polyhedra via MOF templates for high-performance quasi-solid-state supercapacitor. Chemical Engineering Journal, 2019, 378, 122210.	12.7	115
9	One-pot formation of ultra-thin Ni/Co hydroxides with a sheet-like structure for enhanced asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 9160-9168.	10.3	94
10	Serpent-cactus-like Co-doped Ni(OH)₂/Ni₃S₂ hierarchical structure composed of ultrathin nanosheets for use in efficient asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 1603-1613.	10.3	92
11	Optimizing the supercapacitive performance via encasing MOF-derived hollow (Ni,Co)Se2 nanocubes into reduced graphene oxide. Chemical Engineering Journal, 2020, 399, 125789.	12.7	71
12	High Efficient Photo-Fenton Catalyst of Î±-Fe2O3/MoS2 Hierarchical Nanoheterostructures: Reutilization for Supercapacitors. Scientific Reports, 2016, 6, 31591.	3.3	68
13	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
14	Low-temperature hydrothermal synthesis of Î±-Fe/Fe₃O₄nanocomposite for fast Congo red removal. Dalton Transactions, 2013, 42, 2572-2579.	3.3	67
15	Ni-Co-S/Co(OH)2 nanocomposite for high energy density all-solid-state asymmetric supercapacitors. Chemical Engineering Journal, 2018, 336, 602-611.	12.7	64
16	Metal-organic framework derived Co3O4@Mo-Co3S4-Ni3S2 heterostructure supported on Ni foam for overall water splitting. Chemical Engineering Journal, 2021, 413, 127482.	12.7	64
17	Synthesis and Characterization of Singleâ€Crystalline MnFe₂O₄ Ferrite Nanocrystals and Their Possible Application in Water Treatment. European Journal of Inorganic Chemistry, 2011, 2011, 2942-2947.	2.0	62
18	Magnetic properties of Re-substituted Niâ€“Mn ferrite nanocrystallites. Journal of Materials Science, 2007, 42, 686-691.	3.7	61

#	Article	IF	Citations
19	Room-temperature synthesis of Fe 3 O 4 /Fe-carbon nanocomposites with Fe-carbon double conductive network as supercapacitor. Electrochimica Acta, 2016, 215, 483-491.	5.2	56
20	Sheet-membrane Mn-doped nickel hydroxide encapsulated via heterogeneous Ni₃S₂ nanoparticles for efficient alkaline batteryâ€“supercapacitor hybrid devices. Journal of Materials Chemistry A, 2018, 6, 19020-19029.	10.3	55
21	Design of the seamless integrated C@NiMn-OH-Ni3S2/Ni foam advanced electrode for supercapacitors. Chemical Engineering Journal, 2019, 362, 783-793.	12.7	52
22	Preparation of nanocrystalline Fe3â^'xLaxO4 ferrite and their adsorption capability for Congo red. Journal of Hazardous Materials, 2011, 196, 342-9.	12.4	47
23	Superior performance of ZnCo₂O₄/ZnO@multiwall carbon nanotubes with laminated shape assembled as highly practical all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 9815-9823.	10.3	46
24	Sandwich-like Ni-Zn hydroxide nanosheets vertically aligned on reduced graphene oxide via MOF templates towards boosting supercapacitive performance. Chemical Engineering Journal, 2021, 417, 129189.	12.7	44
25	3D sponge-like porous structure of Mn2O3 tiny nanosheets coated on Ni(OH)2/Mn2O3 nanosheet arrays for quasi-solid-state asymmetric supercapacitors with high performance. Chemical Engineering Journal, 2018, 339, 61-70.	12.7	43
26	Nanostructured Mn₃O₄â€“reduced graphene oxide hybrid and its applications for efficient catalytic decomposition of Orange II and high lithium storage capacity. RSC Advances, 2014, 4, 41838-41847.	3.6	40
27	Cactus-like ZnS/Ni3S2 hybrid with high electrochemical performance for supercapacitors. Journal of Alloys and Compounds, 2018, 753, 508-516.	5.5	37
28	Markedly enhanced coercive field and Congo red adsorption capability of cobalt ferrite induced by the doping of non-magnetic metal ions. Chemical Engineering Journal, 2014, 241, 384-392.	12.7	35
29	High-performance asymmetric supercapacitor based on flowery nickel-zinc phosphate microspheres with carbon dots. Electrochimica Acta, 2018, 292, 299-308.	5.2	35
30	Co9S8/Mo2S3 nanorods on CoS2 laminar arrays as advanced electrode with superior rate properties and long cycle life for asymmetric supercapacitors. Chemical Engineering Journal, 2018, 351, 603-612.	12.7	35
31	Metal organic framework derived core-shell hollow CoSx@NiCo-LDH as advanced electrode for high-performance supercapacitor. Materials Letters, 2020, 258, 126812.	2.6	34
32	One-pot fabricating Fe3O4/graphene nanocomposite with excellent biocompatibility and non-toxicity as a negative MR contrast agent. Colloids and Surfaces B: Biointerfaces, 2016, 145, 208-216.	5.0	32
33	High Performance Asymmetric Supercapacitor Based on Ni_xS_y/MoS₂ Nanoparticles. ACS Applied Nano Materials, 2019, 2, 4910-4920.	5.0	30
34	Hydrothermal synthesis of pure BaFe12O19 hexaferrite nanoplatelets under high alkaline system. Journal of Magnetism and Magnetic Materials, 2013, 332, 44-47.	2.3	29
35	Fabrication and characterization of uniform Fe3O4 octahedral micro-crystals. Materials Letters, 2009, 63, 307-309.	2.6	28
36	An evenly distributed sulfur-doped nickel zinc hydroxyl carbonate dispersed structure for all-solid-state asymmetric supercapacitors with enhanced performance. Journal of Materials Chemistry A, 2017, 5, 10227-10235.	10.3	27

#	Article	IF	Citations
37	Uniform Fe₃O₄ Octahedra with Tunable Edge Length â€“ Synthesis by a Facile Polyol Route and Magnetic Properties. European Journal of Inorganic Chemistry, 2010, 2010, 5635-5639.	2.0	26
38	Engineering oxygen vacancy on iron oxides/hollow carbon cloth electrode toward stable lithium-ion batteries. Chemical Engineering Journal, 2020, 388, 124229.	12.7	26
39	Study of preparation and magnetic properties of silica-coated cobalt ferrite nanocomposites. Journal of Materials Science, 2007, 42, 4110-4114.	3.7	25
40	A green-chemical synthetic route to fabricate a lamellar-structured Co/Co(OH)2 nanocomposite exhibiting a high removal ability for organic dye. Dalton Transactions, 2014, 43, 5393.	3.3	25
41	Preparation of a hierarchical flower-like Î³-Al₂O₃@C composite exhibiting enhanced adsorption performance for congo red by high temperature transformation of Î³-AlOOH@C precursors. RSC Advances, 2016, 6, 61-64.	3.6	25
42	Solid-state-grinding method to synthesize NiCoFe alloy/NiCoFeâ€“OH nanosheets for asymmetric supercapacitor. Journal of Alloys and Compounds, 2021, 850, 156787.	5.5	24
43	MnO/Mn₂O₃ Nanowires Coated by Porous N-Doped Carbon for Long-Cycle and High-Rate Lithium-Ion Batteries. ACS Applied Nano Materials, 2020, 3, 5612-5624.	5.0	24
44	Facile preparation of Fe3O4 nanoparticles with cetyltrimethylammonium bromide (CTAB) assistant and a study of its adsorption capacity. Chemical Engineering Journal, 2012, 181-182, 823-827.	12.7	23
45	Mn-doped ZnO microspheres as cathode materials for aqueous zinc ion batteries with ultrastability up to 10 000 cycles at a large current density. Chemical Engineering Journal, 2021, 421, 127770.	12.7	23
46	Synthesis of nickel hierarchical structures and evaluation on their magnetic properties and Congo red removal ability. Dalton Transactions, 2013, 42, 3660.	3.3	22
47	Water-soluble amorphous iron oxide nanoparticles synthesized by a quickly pestling and nontoxic method at room temperature as MRI contrast agents. Chemical Engineering Journal, 2014, 235, 231-235.	12.7	22
48	Boosting the active sites and kinetics of VO2 by Mn pre-intercalated and PVP modified nanostructure to improve the cycle stability for aqueous zinc batteries. Chemical Engineering Journal, 2022, 433, 133528.	12.7	22
49	Structure and magnetic properties of Ni0.7Mn0.3Fe2O4 nanoparticles doped with La2O3. Physica Status Solidi A, 2004, 201, 3121-3128.	1.7	21
50	Synthesis of Fe3O4 polyhedra by hydrothermal method: using l-arginine as precipitator. Journal of Materials Science, 2009, 44, 4407-4412.	3.7	21
51	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
52	Coreâ€“Shell MnO₂ Nanotubes@Nickelâ€“Cobaltâ€“Zinc Hydroxide Nanosheets for Supercapacitive Energy Storage. ACS Applied Nano Materials, 2020, 3, 7462-7473.	5.0	21
53	W-Doped Ni₃S₂ Nanoparticles Modified with NiFeLa Hydroxide for Hydrogen Evolution. ACS Applied Nano Materials, 2020, 3, 8372-8381.	5.0	21
54	Synthesis of Fe_{0.32}Co_{0.68}/Î³-Al₂O₃@C nanocomposite for depth treatment of dye sewage based on adsorption and advanced catalytic oxidation. Journal of Materials Chemistry A, 2017, 5, 6664-6676.	10.3	20

#	Article	IF	Citations
55	Synthesis of a MnS/Ni_xS_y composite with nanoparticles coated on hexagonal sheet structures as an advanced electrode material for asymmetric supercapacitors. RSC Advances, 2018, 8, 17754-17763.	3.6	20
56	Co/La-Doped NiO Hollow Nanocubes Wrapped with Reduced Graphene Oxide for Lithium Storage. ACS Applied Nano Materials, 2021, 4, 2910-2920.	5.0	19
57	Micron-sized NiMn-glycerate solid spheres as cathode materials for all-solid-state asymmetric supercapacitor with superior energy density and cycling life. Chemical Engineering Journal, 2022, 431, 134100.	12.7	19
58	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
59	Design tremella-like Ni-Co selenide with wonderful electrochemical performances as supercapacitor cathode material. Electrochimica Acta, 2021, 393, 139049.	5.2	17
60	Design heterostructure of NiSâ€“NiS2 on NiFe layered double hydroxide with Mo doping for efficient overall water splitting. Materials Today Energy, 2022, 23, 100906.	4.7	17
61	Room-Temperature Synthesis of Ni Nanoparticles as the Absorbent Used for Sewage Treatment. Advances in Materials Science and Engineering, 2015, 2015, 1-4.	1.8	16
62	Formation of honeycomb-like Mn-doping nickel hydroxide/Ni3S2 nanohybrid for efficient supercapacitive storage. Journal of Solid State Chemistry, 2018, 267, 53-62.	2.9	15
63	Boosting the performance of nickelâ€“cobalt LDH cathode with phosphorus and selenium co-doping for hybrid supercapacitor. Materials Research Letters, 2022, 10, 593-601.	8.7	15
64	Facile one-pot synthesis of different surfactant-functionalized water-soluble Fe₃O₄ nanoparticles as magnetic resonance imaging contrast agents for melanoma tumors. RSC Advances, 2015, 5, 50557-50564.	3.6	14
65	Ultra-long cyclic Ni nanoparticles/carbon network hybrid lithium-ion battery anode toward smart electronics. Journal of Alloys and Compounds, 2019, 803, 527-537.	5.5	14
66	Optimizing Fe2O3-based supercapacitor cathode with tunable surface pseudocapacitance via facile in situ vulcanization process. Journal of Electroanalytical Chemistry, 2021, 901, 115785.	3.8	14
67	Effects of Gd2O3 on structure and magnetic properties of Ni-Mn ferrite. Journal of Materials Science, 2006, 41, 3083-3087.	3.7	13
68	Reusable Co_xNi_{1â^'x} dye adsorbents as supercapacitor electrode materials. Journal of Materials Chemistry A, 2017, 5, 8095-8107.	10.3	13
69	Constructing efficient quasi-solid-state alkaline Niâ€“Fe battery based on Niâ€“Mn hydroxides/Ni3S2 and FeOOH@RGO electrodes. Journal of Materials Science: Materials in Electronics, 2019, 30, 13076-13089.	2.2	13
70	Nanostructured Co_xNi_{1â^'x}bimetallic alloys for high efficient and ultrafast adsorption: experiments and first-principles calculations. RSC Advances, 2016, 6, 9209-9220.	3.6	12
71	Room-temperature synthesis of sponge-like Co/Co(OH)2 nanocomposite for high-performance electrochemical Capacitors. Materials Letters, 2017, 186, 74-77.	2.6	10
72	Flowery nickelâ€“cobalt hydroxide via a solidâ€“liquid sulphur ion grafting route and its application in hybrid supercapacitive storage. RSC Advances, 2018, 8, 23817-23824.	3.6	10

#	Article	IF	Citations
73	Co_{1â€“xâ€“y}Ni_xZn_y(CO₃)_{0.5}(OH)Â·0.1H Nanoneedlesâ€“NiCo-Layered Double Hydroxide Nanosheet Composites on Vulcanized Ni Foams for Supercapacitors. ACS Applied Nano Materials, 2021, 4, 1743-1753.	5.0	10
74	Reduced Graphene Oxide-Coated Zincâ€“Cobalt Oxide Nanosheet Arrays with N-Doped Carbon Anchored on Carbon Cloths as Cathode Materials for High-Sulfur-Loading Liâ€“S Batteries. ACS Applied Nano Materials, 2021, 4, 11526-11536.	5.0	10
75	Synthesis of nickel submicrocrystals by solvothermal method: Using different types of alkali. Materials Letters, 2010, 64, 215-218.	2.6	9
76	Preparation of single-crystalline nickel nanoflowers and their potential application in sewage treatment. Materials Letters, 2012, 66, 267-269.	2.6	9
77	Study on the morphologies of nickel crystals and their magnetic properties. Materials Letters, 2012, 79, 142-144.	2.6	9
78	CoMoO3 Nanoplate/Reduced Graphene Oxide Composites Decorated with Ag Nanoparticles for Electrocatalytic Water Oxidation. ACS Applied Nano Materials, 2021, 4, 5383-5393.	5.0	9
79	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
80	Hierarchical structure Ni3S2/Ni(OH)2 nanoarrays towards high-performance supercapacitors. Journal of Solid State Chemistry, 2022, 309, 122974.	2.9	8
81	Construction of Ni₃S₂-Ni_xP_y/NF@NiFe LDH with heterogeneous interface to accelerate catalytic kinetics of overall water splitting. Materials Research Letters, 2022, 10, 762-770.	8.7	8
82	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
83	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. ACS Applied Energy Materials, 2021, 4, 11580-11589.	5.1	7
84	Magnetic Properties of Nd3+-Doped Ni0.7Mn0.3Fe2O4Ferrite Nanocrystal. Materials and Manufacturing Processes, 2007, 23, 5-9.	4.7	6
85	Shape-controlled synthesis of Fe3O4 nanocrystals with incontinuous multicavities. Chemical Research in Chinese Universities, 2016, 32, 159-164.	2.6	6
86	Raspberry-Shaped Nickel-Enhanced MnO-Based Carbon-Containing Nanostructures as Anode Materials for Li-Ion Batteries. ACS Applied Nano Materials, 2021, 4, 7925-7934.	5.0	6
87	Dramatically comprehensive improved electrochemical performances of symmetric and asymmetric supercapacitors under external magnetic field. Chemical Communications, 2021, 57, 9216-9219.	4.1	6
88	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. Journal of Alloys and Compounds, 2022, 918, 165547.	5.5	6
89	Synthesis of hcp-Co and mixture of hcp/fcc-Co crystals: Insight into their Congo red removal ability. Journal of Materials Research, 2014, 29, 989-995.	2.6	4
90	Environment-Friendly Approach to Fabricate Iron Nanochains as a Superb Adsorbent and Recycled as a Fine Photo-Fenton Catalyst. Catalysis Letters, 2017, 147, 592-601.	2.6	4

#	Article	IF	Citations
91	The magnetic properties of nanocrystalline CoLa0.1Fe1.9O4 ferrite under an external AC magnetic field. Journal of Materials Science: Materials in Electronics, 2008, 19, 992-995.	2.2	2
92	Magnetic Properties of NiMnLa Ferrite Nanocrystals. Materials and Manufacturing Processes, 2012, 27, 1285-1289.	4.7	2
93	Etched nickel microspheres catalyze methanol oxidation and in situ TEM observation of nickel microcrystal coalescence. Materials and Design, 2017, 122, 280-287.	7.0	2
94	Disordered V12O26/V2O5 nanoflower composites as cathode for aqueous zinc-ion batteries. Journal of Alloys and Compounds, 2022, 916, 165489.	5.5	2
95	Fabrication and magnetic properties of nickel dodecahedra. Dalton Transactions, 2014, 43, 5913.	3.3	1
96	Masking Effect of LPSO Structure Phase on Wear Transition in Mg97Zn1Y2 Alloy. Metals, 2021, 11, 1857.	2.3	1
97	Facile Synthesis of Fe,Co/Fe₃O₄ Nanocomposite and Its Magnetic Properties and Removal Ability for Congo Red. Journal of Nanoscience and Nanotechnology, 2017, 17, 2157-2160.	0.9	0