

Jun Xiang

List of Publications by Year in descending order

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74
papers

2,250
citations

172207

29
h-index

223531

46
g-index

74
all docs

74
docs citations

74
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic carbon nanofibers containing uniformly dispersed Fe/Co/Ni nanoparticles as stable and high-performance electromagnetic wave absorbers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16905-16914.	5.2	418
2	Spinel manganese-cobalt oxide nanospheres anchored on nitrogen-containing carbon nanofibers as a highly efficient redox electrocatalyst in lithium/polysulfides batteries. <i>Applied Surface Science</i> , 2022, 598, 153787.	3.1	78
3	Facile synthesis and enhanced microwave absorption properties of multiferroic Ni _{0.4} Co _{0.2} Zn _{0.4} Fe ₂ O ₄ /BaTiO ₃ composite fibers. <i>Journal of Alloys and Compounds</i> , 2018, 737, 412-420.	2.8	73
4	Shape Anisotropy, Exchange-Coupling Interaction and Microwave Absorption of Hard/Soft Nanocomposite Ferrite Microfibers. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3863-3870.	1.9	72
5	Microstructure, magnetic properties and exchange-coupling interactions for one-dimensional hard/soft ferrite nanofibers. <i>Journal of Solid State Chemistry</i> , 2012, 185, 31-36.	1.4	71
6	Microstructure and magnetic properties of electrospun one-dimensional Al ³⁺ -substituted SrFe ₁₂ O ₁₉ nanofibers. <i>Journal of Solid State Chemistry</i> , 2011, 184, 871-876.	1.4	66
7	Functionalization of Nitrogen-Doped Carbon Nanofibers with Polyamidoamine Dendrimer as a Freestanding Electrode with High Sulfur Loading for Lithium-Polysulfides Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7815-7824.	3.2	65
8	Preparation and magnetic properties of SrFe ₁₂ O ₁₉ /Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanocomposite ferrite microfibers via sol-gel process. <i>Materials Chemistry and Physics</i> , 2011, 126, 791-796.	2.0	61
9	Electrospinning preparation, characterization and magnetic properties of cobalt-nickel ferrite (Co _{1-x} Ni _x Fe ₂ O ₄) nanofibers. <i>Journal of Colloid and Interface Science</i> , 2012, 376, 57-61.	5.0	61
10	Synthesis and characterization of FeCo/C hybrid nanofibers with high performance of microwave absorption. <i>Materials Research Bulletin</i> , 2014, 60, 589-595.	2.7	58
11	Characterization and magnetic properties of Ba _x Sr _{1-x} Fe ₁₂ O ₁₉ (x=0-1) ferrite hollow fibers via gel-precursor transformation process. <i>Journal of Alloys and Compounds</i> , 2010, 507, 297-301.	2.8	56
12	Shape-controlled synthesis of Ti ₄ O ₇ nanostructures under solvothermal-assisted heat treatment and its application in lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2017, 729, 1136-1144.	2.8	55
13	CoFe ₂ /BaTiO ₃ Hybrid Nanofibers for Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2020, 3, 8424-8437.	2.4	54
14	Formation and magnetic properties of M-Sr ferrite hollow fibers via organic gel-precursor transformation process. <i>Materials Chemistry and Physics</i> , 2010, 120, 213-216.	2.0	53
15	One-dimensional NiCuZn ferrite nanostructures: Fabrication, structure, and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1239-1244.	1.4	52
16	Synthesis, characterization, and electrochemical performance of spherical nanostructure of Magn@Ti phase Ti ₄ O ₇ . <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7264-7270.	1.1	44
17	Magnetic and microwave absorption properties of electrospun Co _{0.5} Ni _{0.5} Fe ₂ O ₄ nanofibers. <i>Applied Surface Science</i> , 2012, 263, 320-325.	3.1	43
18	Formation and characterization of magnetic barium ferrite hollow fibers with high specific surface area via sol-gel process. <i>Solid State Sciences</i> , 2010, 12, 1603-1607.	1.5	39

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19	Magnetic hard/soft nanocomposite ferrite aligned hollow microfibers and remanence enhancement. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 413-416.	5.0	39
20	Preparation and characterization of Ba-doped LaFeO ₃ nanofibers by electrospinning and their ethanol sensing properties. <i>Materials Chemistry and Physics</i> , 2018, 213, 122-129.	2.0	37
21	Characterization and magnetic properties of electrospun Co _{1-x} Zn _x Fe ₂ O ₄ nanofibers. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 189-195.	1.1	35
22	Zn-MOF derived micro/meso porous carbon nanorod for high performance lithium-sulfur battery. <i>RSC Advances</i> , 2016, 6, 94629-94635.	1.7	35
23	Composition design and performance regulation of three-dimensional interconnected FeNi@carbon nanofibers as ultra-lightweight and high efficiency electromagnetic wave absorbers. <i>Carbon</i> , 2022, 197, 494-507.	5.4	32
24	Poly(3, 4-ethylenedioxythiophene) coated titanium dioxide nanoparticles in situ synthesis and their application for rechargeable lithium sulfur batteries. <i>Electrochimica Acta</i> , 2017, 252, 461-469.	2.6	31
25	Microwave absorption properties of single- and double-layer absorbers based on electrospun nickel-zinc spinel ferrite and carbon nanofibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12258-12268.	1.1	31
26	Fabrication and characterization of Fe-Ni alloy/nickel ferrite composite nanofibers by electrospinning and partial reduction. <i>Materials Research Bulletin</i> , 2011, 46, 258-261.	2.7	30
27	High rate lithium-sulfur batteries enabled by mesoporous TiO ₂ nanotubes prepared by electrospinning. <i>Materials Research Bulletin</i> , 2017, 95, 402-408.	2.7	30
28	Enhanced absorbing properties and structural design of microwave absorbers based on Ni _{0.8} Co _{0.2} Fe ₂ O ₄ nanofibers and Ni-C hybrid nanofibers. <i>Journal of Alloys and Compounds</i> , 2018, 764, 691-700.	2.8	30
29	Electromagnetic wave absorption enhancement of double-layer structural absorbers based on carbon nanofibers and hollow Co ₂ Y hexaferrite microfibers. <i>Journal of Alloys and Compounds</i> , 2020, 814, 152302.	2.8	30
30	A Multifunctional Gradient Solid Electrolyte Remarkably Improving Interface Compatibility and Ion Transport in Solid-State Lithium Battery. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30786-30795.	4.0	30
31	Fabrication, characterization, exchange coupling and magnetic behavior of CoFe ₂ O ₄ /CoFe ₂ nanocomposite nanofibers. <i>Chemical Physics Letters</i> , 2013, 576, 39-43.	1.2	29
32	Enhanced electrochemical performance of an electrospun carbon/MoO ₂ composite nanofiber membrane as self-standing anodes for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2018, 100, 254-258.	2.7	24
33	A fast response & recovery acetone gas sensor based on BiFeO ₃ nanomaterials with high sensitivity and low detection limit. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2193-2200.	1.1	23
34	Preparation of Co-substituted MnZn ferrite fibers and their magnetic properties. <i>Materials Chemistry and Physics</i> , 2009, 114, 362-366.	2.0	21
35	Effects of Ce ³⁺ doping on the structure and magnetic properties of Mn-Zn ferrite fibers. <i>Rare Metals</i> , 2009, 28, 151-155.	3.6	21
36	The effect of calcium on the properties of SmBa _{1-x} CaxCoCuO _{5+δ} as a cathode material for intermediate-temperature solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1557-1562.	2.8	21

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37	Electrospinning fabrication and enhanced microwave absorption properties of nickel porous nanofibers. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161997.	2.8	21
38	Removal of Heavy Metals and Dyes by Supported Nano Zero-Valent Iron on Barium Ferrite Microfibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5251-5257.	0.9	20
39	Synthesis and characterization of electrospun molybdenum dioxide-carbon nanofibers as sulfur matrix additives for rechargeable lithium-sulfur battery applications. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 262-270.	1.5	19
40	Electrospinning Fabrication and Enhanced Performance of 3D Li ₃ V ₂ (PO ₄) ₃ /C Fiber Membrane as Self-standing Cathodes for Li-ion Battery. <i>Electrochimica Acta</i> , 2016, 212, 898-904.	2.6	18
41	FeCo/ZnO Composite Nanofibers for Broadband and High Efficiency Microwave Absorption. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101047.	1.9	18
42	Electrospun FeCo nanoparticles encapsulated in N-doped carbon nanofibers as self-supporting flexible anodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159703.	2.8	16
43	Synthesis and electrical properties of BaCeO ₃ -based proton conductors by calcinations of metal-polyvinyl alcohol gel. <i>Journal of Alloys and Compounds</i> , 2013, 551, 333-337.	2.8	15
44	Three Robust Blue-Emitting Anionic Metal-Organic Frameworks with High Stability and Good Proton Conductivities. <i>Inorganic Chemistry</i> , 2021, 60, 17926-17932.	1.9	15
45	One-dimensional SrFe ₁₂ O ₁₉ /SrSiO ₃ composite nanofibers: Preparation, structure and magnetic properties. <i>Materials Chemistry and Physics</i> , 2010, 124, 970-975.	2.0	14
46	Ultrafine MoO ₂ nanoparticles encapsulated in a hierarchically porous carbon nanofiber film as a high-performance binder-free anode in lithium ion batteries. <i>RSC Advances</i> , 2019, 9, 37556-37561.	1.7	14
47	A simple approach to fabricate self-supporting graphene oxide/carbon nanotubes hybrid membrane as efficient polysulfides trapping in lithium/sulfur batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12871-12883.	1.1	14
48	Nanocrystalline La _{1-x} K _x FeO ₃ (0 ≤ x ≤ 0.4) Oxides for Catalytic Removal of Soot from Practical Diesel Exhaust Emission. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 11037-11042.	1.8	12
49	Effect of Nickel Coated Multi-Walled Carbon Nanotubes on Electrochemical Performance of Lithium-Sulfur Rechargeable Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2482-2487.	0.9	12
50	Adsorption Characteristic of Congo Red Onto Magnetic MgFe ₂ O ₄ Nanoparticles Prepared via the Solution Combustion and Gel Calcination Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 3967-3974.	0.9	11
51	One-Dimensional SrFe ₁₂ O ₁₉ /Ni _{0.5} Zn _{0.5} Fe ₁₀ Composite Ferrite Nanofibers and Enhancement Magnetic Property. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6979-6985.	0.9	10
52	Effect of Non-Woven Al ₂ O ₃ /C Nanofibers as Functional Interlayer on Electrochemical Performance of Lithium-Sulfur Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7824-7829.	0.9	10
53	Removal Performance of Methyl Blue Onto Magnetic ZnFe ₂ O ₄ Nanoparticles Prepared via the Solution Combustion Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4112-4118.	0.9	8
54	A novel three-dimensional Fe ₃ SnC/C hybrid nanofiber absorber for lightweight and highly-efficient microwave absorption. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 26104-26108.	1.3	8

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55	Effect of heat treatment on particle growth and magnetic properties of electrospun Sr _{0.8} La _{0.2} Zn _{0.2} Fe _{11.8} O ₁₉ nanofibers. Journal of Sol-Gel Science and Technology, 2011, 59, 553-560.	1.1	7
56	Effect of Bi ₂ O ₃ addition on structure and magnetic properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanofibers. Journal of Sol-Gel Science and Technology, 2012, 62, 186-192.	1.1	6
57	Synthesis, Electrical Properties and Chemical Stability of BaCe _{0.7} In _{0.3} GdO ₃ Nanofibers. Materials Science Forum, 2016, 848, 401-410.		6
58	Catalytic soot combustion of Fe/CeO ₂ nanocomposites via citrate-gel route. Journal of Sol-Gel Science and Technology, 2012, 61, 551-557.	1.1	5
59	Porous Cu/CeO ₂ Nanocomposites for Simultaneous Removal of Soot and NO _x from Diesel Exhaust Emission. Journal of Nanoscience and Nanotechnology, 2013, 13, 2696-2702.	0.9	3
60	Removal of Congo Red by Magnetic MnFe ₂ O ₄ Nanosheets Prepared via a Facile Combustion Process. Journal of Nanoscience and Nanotechnology, 2019, 19, 2702-2709.	0.9	3
61	Fabrication and Magnetic Property of M-type Strontium Ferrite Nanofibers by Electrospinning. Wuji Cailiao/Journal of Inorganic Materials, 2009, 25, 68-72.	0.6	3
62	Synthesis of Nickel-Based Ferrite Nanofibers and their Static Magnetic and Microwave Absorption Properties. Advanced Materials Research, 2013, 631-632, 429-433.	0.3	2
63	Catalytic Activity of Nanocrystalline Porous La _{0.8} K _{0.2} Fe ₁₁ MnO ₃ for Simultaneous Removal of Soot and Nitrogen Oxides. Journal of Nanoscience and Nanotechnology, 2013, 13, 2624-2631.	0.9	2
64	Formation and Soot Combustion of Honeycomb-Like LaFeO ₃ Microfibers. Journal of Nanoscience and Nanotechnology, 2014, 14, 2446-2450.	0.9	2
65	Adsorption Kinetics and Adsorption Isotherm of Methylene Blue on Magnetic 0.9NiFe ₂ O ₄ /0.1SiO ₂ Nanocomposites Prepared via a Rapid Combustion Process. Journal of Nanoscience and Nanotechnology, 2018, 18, 2665-2672.	0.9	2
66	Enhanced Electrochemical Performance of Simple Electrospun Non-Woven Nickel/Carbon Nanofibers as a Functional Interlayer for Lithium-Sulfur Batteries. Journal of Nanoscience and Nanotechnology, 2019, 19, 5810-5816.	0.9	2
67	Preparation and Characterization of M-type Strontium Ferrite Hollow Fibers. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2009, 24, 721-726.	0.6	2
68	Bandwidth Enhancement in Microwave Absorption of Binary Nanocomposite Ferrites Hollow Microfibers. Journal of Nanoscience and Nanotechnology, 2013, 13, 3115-3120.	0.9	1
69	Preparation, Characterization and Magnetic Properties of Fe-Ni Alloy/Ni-Ferrite Composite Nanofibers. Acta Chimica Sinica, 2012, 70, 2265.	0.5	1
70	Microstructure and Magnetic Behavior of One-Dimensional Co _{0.5} Zn _{0.5} Fe ₂ O ₄ Nanofibers. Advanced Materials Research, 0, 284-286, 861-865.	0.3	0
71	Electrical Properties and Chemical Stability of BaCe _{1-x} Mo _x O ₃ Proton Conductors. Key Engineering Materials, 0, 636, 55-60.		0
72	Adsorption Kinetics of Bovine Serum Albumin onto Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ /SiO ₂ Nanocomposites Prepared via the Solution Combustion Process. Journal of Nanoscience and Nanotechnology, 2018, 18, 2875-2880.	0.9	0

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73	Preparation and Magnetic Properties of Spinel-type Ferrite Fibres. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2008, 23, 1005-1010.	0.6	0
74	Structure and Magnetic Properties of Porous $\text{Ni}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ Ultrafine Fibers Prepared by Electro spinning Technique. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2012, 27, 363-368.	0.6	0