Xuehang Wu

List of Publications by Year
in descending order

		331670	315739
68	1,666	21	38
papers	citations	h-index	g-index

68	68	68	1663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stereotaxically Constructed Graphene Modification of CuO-Cu2O/TiO2 Microspheres for Boosted Lithium and Sodium Storage Performance. Journal of Electronic Materials, 2022, 51, 47-56.	2.2	4
2	Sodium compensation and interface protection effects of Na3PS3O for sodium-ion batteries with P2-type oxide cathodes. Chemical Engineering Journal, 2022, 437, 135275.	12.7	12
3	In-situ constructing a supersodiophilic fluffy surface layer on a Cu foam host for stable Na metal anodes. Journal of Alloys and Compounds, 2021, 853, 157371.	5.5	15
4	Hydrothermal synthesis of urchin-like NiCo2O4/stereotaxically constructed graphene microspheres for ultrahigh-rate lithium and sodium storage. Powder Technology, 2021, 380, 115-125.	4.2	14
5	Improved lithium storage performance of urchin-like CuO microspheres by stereotaxically constructed graphene mediating synergistic effect. Journal of Materials Science: Materials in Electronics, 2021, 32, 8557-8569.	2.2	2
6	Toward a High-Energy-Density Cathode with Enhanced Temperature Adaptability for Sodium-Ion Batteries: A Case Study of Na₃MnZr(PO₄)₃ Microspheres with Embedded Dual-Carbon Networks. ACS Applied Materials & Interfaces, 2021, 13, 21390-21400.	8.0	27
7	Highly stable Na metal anode enabled by a multifunctional hard carbon skeleton. Carbon, 2021, 176, 219-227.	10.3	25
8	Rational Synthesis of Fern Leaf-like FeS₂@Sulfur-Doped Carbon as an Anode for Superior Lithium-Ion Batteries. Energy & Fuels, 2021, 35, 12599-12609.	5.1	8
9	Improved lithium storage performance of (Ni0.1Co0.7Mn0.2)3O4@Void@N-doped carbon via the synergistic effect between void space structure and N-doped carbon layer. Journal of Materials Science: Materials in Electronics, 2021, 32, 19552-19567.	2.2	1
10	Stabilizing P2-Type Niâ€“Mn Oxides as High-Voltage Cathodes by a Doping-Integrated Coating Strategy Based on Zinc for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 40695-40704.	8.0	23
11	Accommodating sodium into three-dimensional hosts with a nanoscale sodiophilic layer towards stable pre-stored Na metal anodes. Materials Chemistry Frontiers, 2021, 5, 6987-6997.	5.9	6
12	Box-like FeS@nitrogen-sulfur dual-doped carbon as high-performance anode materials for lithium ion and sodium ion batteries. Journal of Electroanalytical Chemistry, 2021, 903, 115848.	3.8	15
13	Enhancing the interfacial stability of P2-type cathodes by polydopamine-derived carbon coating for achieving performance improvement. Carbon, 2020, 157, 693-702.	10.3	41
14	Controlled synthesis of uniform porous CuO microspheres for enhanced sodium storage. Materials Letters, 2020, 263, 127231.	2.6	6
15	Engineering of Co9S8â€“CoS nanoparticles encapsulated into N-doped graphitic carbon tubes for high-performance lithium storage. Journal of Alloys and Compounds, 2020, 818, 152859.	5.5	11
16	Insights of the anionic redox in P2â€“Na0.67Ni0.33Mn0.67O2. Nano Energy, 2020, 78, 105285.	16.0	49
17	Improved magnetic properties of Sr0.93Sm0.10Fe11.97O19/Fe3O4 composite powders by substitution of Sm and magnetic exchange coupling effect. Journal of Materials Science: Materials in Electronics, 2020, 31, 20400-20410.	2.2	2
18	Composition-dependent magnetic properties of exchange-coupled hard/soft Co0.55Ni0.4NdxFe2.05â€“xO4/Co composites. Journal of Materials Science: Materials in Electronics, 2020, 31, 6349-6359.	2.2	0

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19	Synthesis and Electrochemical Properties of NixCo3â^'xO4 with Porous Hierarchical Structures for Na-Ion Batteries. Journal of Electronic Materials, 2020, 49, 5508-5522.	2.2	10
20	Structure, magnetic properties, and exchange-coupling effect of Co0.6Mg0.15NdxFe2.25â€“xO4/Co. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	4
21	Structural and Magnetic Properties of La-Substituted M-Type Hexagonal Srâ€“Ni Ferrites Synthesized by Ball-Milling-Assisted Ceramic Process. Journal of Superconductivity and Novel Magnetism, 2019, 32, 441-449.	1.8	8
22	Na4Fe3(PO4)2(P2O7)@NaFePO4@C core-double-shell architectures on carbon cloth: A high-rate, ultrastable, and flexible cathode for sodium ion batteries. Chemical Engineering Journal, 2019, 365, 132-141.	12.7	72
23	Remarkable enhancement in the electrochemical activity of maricite NaFePO4 on high-surface-area carbon cloth for sodium-ion batteries. Carbon, 2019, 146, 78-87.	10.3	60
24	Enhancements of saturation magnetization and coercivity in Ni0.5Zn0.5Fe2O4/SrFe12O19 composite powders by exchange-coupling mechanism. Journal of Materials Science: Materials in Electronics, 2019, 30, 11682-11693.	2.2	16
25	Exchange-coupling behavior in soft/hard Li0.3Co0.5Zn0.2Fe2O4/SrFe12O19 core/shell composite synthesized by the two-step ball-milling-assisted ceramic process. Journal of Materials Science: Materials in Electronics, 2019, 30, 1579-1590.	2.2	16
26	Improvement of the Magnetization and Coercivity of La 0 . 6 7 Ca 0 . 3 3 MnO3 Induced by Substitution of Nickel for Manganese. Journal of Superconductivity and Novel Magnetism, 2018, 31, 521-528.	1.8	5
27	One-pot solvothermal synthesis of fern leaf-like Î±-Fe2O3@C/graphene from ferrocene with enhanced lithium and sodium storage properties. Powder Technology, 2018, 323, 424-432.	4.2	36
28	Rational Design of Na₄Fe₃(PO₄)₂(P₂O₇) Nanoparticles Embedded in Graphene: Toward Fast Sodium Storage Through the Pseudocapacitive Effect. ACS Applied Energy Materials, 2018, 1, 6268-6278.	5.1	37
29	Structural and magnetic properties of soft/hard NiFe2O4@SrCo0.2Fe11.8O19 core/shell composite prepared by the ball-milling-assisted ceramic process. Journal of Materials Science: Materials in Electronics, 2018, 29, 13903-13913.	2.2	21
30	Structural and Magnetic Properties of Soft/Hard Mn0.6Zn0.4Fe2O4@Sr0.85Ba0.15Fe12O19 Core/Shell Composite Synthesized by the Ball-Milling-Assisted Ceramic Process. Journal of Electronic Materials, 2018, 47, 6811-6820.	2.2	13
31	PEG400-assisted synthesis of oxygen-incorporated MoS2 ultrathin nanosheets supported on reduced graphene oxide for sodium ion batteries. Journal of Alloys and Compounds, 2018, 763, 257-266.	5.5	18
32	Controlled growth of large-area arrays of Al-substituted CoNiZn ferrite rods with high saturation magnetization by solvothermal method. Journal of Materials Science: Materials in Electronics, 2017, 28, 7874-7883.	2.2	15
33	Controllable preparation of large-area arrays of Al-substituted CoCuNi ferrite rods with improvement of saturation magnetization and initial permeability. Journal of Materials Science, 2017, 52, 10085-10097.	3.7	11
34	Improvement of the Coercivity of Cobalt Ferrites Induced by Substitution of Sr2+ Ions for Co2+ Ions. Journal of Electronic Materials, 2017, 46, 4618-4626.	2.2	19
35	Synthesis of hexagonal Co3+-substituted Sr-ferrites via ball-milling assisted ceramic process and their magnetic properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 18815-18824.	2.2	17
36	Structural and Magnetic Properties Evolution of Li-Substituted Co0.5Ni0.5Fe2O4 Ferrite. Journal of Electronic Materials, 2017, 46, 199-207.	2.2	24

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37	Sol-gel synthesis of Na4Fe3(PO4)2(P2O7)/C nanocomposite for sodium ion batteries and new insights into microstructural evolution during sodium extraction. Journal of Power Sources, 2016, 327, 666-674.	7.8	99
38	Insights into the Effects of Zinc Doping on Structural Phase Transition of P2-Type Sodium Nickel Manganese Oxide Cathodes for High-Energy Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 22227-22237.	8.0	177
39	P2-type Na 0.66 Ni 0.33â€“x Zn x Mn 0.67 O 2 as new high-voltage cathode materials for sodium-ion batteries. Journal of Power Sources, 2015, 281, 18-26.	7.8	279
40	Synthesis and characterization of urchin-like Mn 0.33 Co 0.67 C 2 O 4 for Li-ion batteries: Role of SEI layers for enhanced electrochemical properties. Electrochimica Acta, 2015, 163, 93-101.	5.2	58
41	Synthesis of rambutan-like MnCo2O4 and its adsorption performance for methyl orange. Journal of Thermal Analysis and Calorimetry, 2015, 122, 653-663.	3.6	7
42	Synthesis and electrochemical performance of SnO2â€“Fe2O3 composite as an anode material for Na-ion and Li-ion batteries. Powder Technology, 2015, 280, 119-123.	4.2	33
43	Synthesis of Perovskite Pr1.1MnO3.15 and Phase Evolution and Magnetic Properties. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2751-2756.	1.8	2
44	Magnetic Nanocrystalline Mg0.5Zn0.5Fe2O4: Preparation, Morphology Evolution, and Kinetics of Thermal Decomposition of Precursor. Journal of Superconductivity and Novel Magnetism, 2014, 27, 511-518.	1.8	7
45	Preparation and ultravioletâ€“visible ray transmission property of nanocrystalline InPO4. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1705-1709.	3.6	0
46	Synthesis of Spinel MnCo2O4 by Thermal Decomposition of Carbonates and Kinetics of Thermal Decomposition of Precursor. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1249-1256.	1.8	6
47	Synthesis of CeO2 by thermal decomposition of oxalate and kinetics of thermal decomposition of precursor. Journal of Thermal Analysis and Calorimetry, 2014, 117, 499-506.	3.6	5
48	Magnetic Properties of Cu0.48Ni0.52Fe2O4 and Thermal Process of Precursor. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2153-2158.	1.8	12
49	Preparation of magnetic nanocrystalline Mn0.5Mg0.5Fe2O4 and kinetics of thermal decomposition of precursor. Journal of Thermal Analysis and Calorimetry, 2013, 114, 205-212.	3.6	14
50	Nanocrystalline LiMn2O4 preparation and kinetics of thermal process of precursor. Journal of Thermal Analysis and Calorimetry, 2013, 112, 1391-1399.	3.6	7
51	Preparation of nanocrystalline BiFeO3 and kinetics of thermal process of precursor. Journal of Thermal Analysis and Calorimetry, 2013, 111, 1057-1065.	3.6	11
52	Magnetic properties of nanocrystalline CuFe2O4 and kinetics of thermal decomposition of precursor. Journal of Thermal Analysis and Calorimetry, 2013, 111, 9-16.	3.6	26
53	Nanocrystalline Cu0.5Zn0.5Fe2O4: Preparation and Kinetics of Thermal Decomposition of Precursor. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3523-3528.	1.8	13
54	Products and non-isothermal kinetics of thermal decomposition of MgFe2(C2O4)3Â·6H2O. Journal of Thermal Analysis and Calorimetry, 2012, 110, 781-787.	3.6	23

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55	Nanocrystalline Zn0.5Ni0.5Fe2O4. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1143-1151.	3.6	19
56	Nanocrystalline ZrO2 preparation and kinetics research of phase transition. Rare Metals, 2012, 31, 51-57.	7.1	5
57	Preparation of Magnetic Cu0.5Mg0.5Fe2O4 Nanoparticles and Kinetics of Thermal Process of Precursor. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1971-1977.	1.8	14
58	Selective self-assembly synthesis of MnV2O6Â·4H2O with controlled morphologies and study on its thermal decomposition. Journal of Thermal Analysis and Calorimetry, 2012, 109, 163-169.	3.6	16
59	Preparation of nanocrystalline BiFeO3 via a simple and novel method and its kinetics of crystallization. Journal of Thermal Analysis and Calorimetry, 2012, 107, 625-632.	3.6	24
60	Preparation of nanocrystalline LiMnPO4 via a simple and novel method and its isothermal kinetics of crystallization. Journal of Materials Science, 2011, 46, 2474-2478.	3.7	18
61	Non-isothermal kinetics of thermal decomposition of NH4ZrH(PO4)2Â·H2O. Journal of Thermal Analysis and Calorimetry, 2011, 104, 685-691.	3.6	8
62	Kinetics and thermodynamics of thermal decomposition of NH4NiPO4Â·6H2O. Journal of Thermal Analysis and Calorimetry, 2011, 103, 805-812.	3.6	21
63	Magnetic properties and crystallization kinetics of Zn0.5Ni0.5Fe2O4. Rare Metals, 2011, 30, 621-626.	7.1	10
64	Preparation of new sunscreen materials Ce1â^'x Zn x O2â^'x via solid-state reaction at room temperature and study on their properties. Rare Metals, 2010, 29, 149-153.	7.1	21
65	Concentration and separation of vanadium from alkaline media by strong alkaline anion-exchange resin 717. Rare Metals, 2010, 29, 439-443.	7.1	23
66	Novel Method for Preparing NH₄NiPO₄Â·6H₂O: Hydrogen Bonding Coacervate Selfâ€assembly. Chinese Journal of Chemistry, 2010, 28, 2389-2393.	4.9	17
67	Synthesis of Layered Sodium Manganese Phosphate via Lowâ€heating Solid State Reaction and Its Properties. Chinese Journal of Chemistry, 2010, 28, 2394-2398.	4.9	11
68	Preparation of nano-sized cerium and titanium pyrophosphates via solid-state reaction at room temperature. Rare Metals, 2009, 28, 33-38.	7.1	17