Junli Zhang

List of Publications by Year in Descending Order

40 papers	919 citations	16 h-index	30 g-index
40 ext. papers	1,172 ext. citations	8 avg, IF	4.15 L-index

#	Paper	IF	Citations
40	Frontispiece: Low-Temperature Electrolyte Design for Lithium-Ion Batteries: Prospect and Challenges. *Chemistry - A European Journal*, **2021**, 27,	4.8	1
39	Strategic harmonization of surface charge distribution with tunable redox radical for high-performing MnO2-based supercapacitor. *Electrochimica Acta*, **2021**, 375, 137979	6.7	3
38	Electrolyte Issues in Lithium□Sulfur Batteries: Development, Prospect, and Challenges. *Energy & Fuels*, **2021**, 35, 10405-10427	4.1	17
37	Energizing Fe2O3-based supercapacitors with tunable surface pseudocapacitance via physical spatial-confining strategy. *Chemical Engineering Journal*, **2021**, 406, 126875	14.7	24
36	Superconductivity and High-Pressure Performance of 2D MoC Crystals. *Journal of Physical Chemistry Letters*, **2021**, 12, 2219-2225	6.4	1
35	Metal Catalyst to Construct Carbon Nanotubes Networks on Metal Oxide Microparticles towards Designing High-Performance Electrode for High-Voltage Lithium-Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2009122	15.6	10
34	Modulation of Weyl semimetal state in half-Heusler GdPtBi enabled by hydrostatic pressure. *New Journal of Physics*, **2021**, 23, 083041	2.9	
33	Low-Temperature Electrolyte Design for Lithium-Ion Batteries: Prospect and Challenges. *Chemistry - A European Journal*, **2021**, 27, 15842-15865	4.8	25
32	Interfacial Model Deciphering High-Voltage Electrolytes for High Energy Density, High Safety, and Fast-Charging Lithium-Ion Batteries. *Advanced Materials*, **2021**, 33, e2102964	24	33
31	Topological electronic state and anisotropic Fermi surface in half-Heusler GdPtBi. *Journal of Physics Condensed Matter*, **2020**, 32, 355707	1.8	2
30	New Insight into the Mechanism of Multivalent Ion Hybrid Supercapacitor: From the Effect of Potential Window Viewpoint. *Small*, **2020**, 16, e2003403	11	7
29	Unveiling the Origin of Multidomain Structures in Compositionally Modulated Cylindrical Magnetic Nanowires. *ACS Nano*, **2020**, 14, 12819-12827	16.7	9
28	The magnetization reversal mechanism in electrospun tubular nickel ferrite: a chain-of-rings model for symmetric fanning. *Nanoscale*, **2019**, 11, 13824-13831	7.7	3
27	New Organic Complex for Lithium Layered Oxide Modification: Ultrathin Coating, High-Voltage, and Safety Performances. *ACS Energy Letters*, **2019**, 4, 656-665	20.1	59
26	Micromagnetic Configuration of Variable Nanostructured Cobalt Ferrite: Modulating and Simulations toward Memory Devices. *ACS Applied Materials & Interfaces*, **2019**, 11, 28442-28448	9.5	2
25	Weak antilocalization effect and high-pressure transport properties of ScPdBi single crystal. *Applied Physics Letters*, **2019**, 115, 172407	3.4	7
24	Multidirection Piezoelectricity in Mono- and Multilayered Hexagonal □nSe. *ACS Nano*, **2018**, 12, 4976-4983	16.7	133

23	A Coulomb explosion strategy to tailor the nano-architecture of □MoO nanobelts and an insight into its intrinsic mechanism. *Nanoscale*, **2018**, 10, 8285-8291	7.7	7
22	Direct observation of dynamical magnetization reversal process governed by shape anisotropy in single NiFeO nanowire. *Nanoscale*, **2018**, 10, 10123-10129	7.7	8
21	Direct Observation of Magnetocrystalline Anisotropy Tuning Magnetization Configurations in Uniaxial Magnetic Nanomaterials. *ACS Nano*, **2018**, 12, 3442-3448	16.7	20
20	Interfacial scattering effect on anisotropic magnetoresistance and anomalous Hall effect in Ta/Fe multilayers. *AIP Advances*, **2018**, 8, 055813	1.5	2
19	Atomic-scale imaging of the ferrimagnetic/diamagnetic interface in Au-FeO nanodimers and correlated exchange-bias origin. *Nanoscale*, **2018**, 10, 21499-21508	7.7	7
18	Hydrogen atom induced magnetic behaviors in two-dimensional materials: insight on origination in the model of □MoO. *Nanoscale*, **2018**, 10, 14100-14106	7.7	3
17	Direct observation of cation distributions of ideal inverse spinel CoFeO nanofibres and correlated magnetic properties. *Nanoscale*, **2017**, 9, 7493-7500	7.7	20
16	Interfacial scattering effect on anomalous Hall effect in Ni/Au multilayers. *Journal Physics D: Applied Physics*, **2017**, 50, 235002	3	4
15	Bottom-up nanoarchitectures of semiconductor nano-building blocks obtained via a controllable in situ SEM-FIB thermal soldering method. *Journal of Materials Chemistry C*, **2017**, 5, 8707-8713	7.1	2
14	Skew scattering dominated anomalous Hall effect in Co (MgO) granular thin films. *Journal of Physics Condensed Matter*, **2017**, 29, 415802	1.8	3
13	The improvement of high-frequency magnetic properties in oriented hcp-Co78Ir22 soft magnetic films fabricated at high substrate temperature. *Journal of Magnetism and Magnetic Materials*, **2016**, 406, 118-122	2.8	8
12	Co@Co□□core-shell three-dimensional nano-network for high-performance electrochemical energy storage. *Small*, **2014**, 10, 2618-24	11	46
11	Improvement of microwave-absorbing properties of Co 2 Z barium ferrite composite by coating Ag nanoparticles. *Journal of Alloys and Compounds*, **2014**, 615, 749-753	5.7	12
10	Enhanced gas sensing performance of electrospun Pt-functionalized NiO nanotubes with chemical and electronic sensitization. *ACS Applied Materials & Interfaces*, **2013**, 5, 7410-6	9.5	147
9	Synthesis and enhanced microwave absorption properties of Ni@Ni2O3 core□hell particles. *Journal of Alloys and Compounds*, **2013**, 567, 21-25	5.7	71
8	Solvent effect on electrospinning of nanotubes: The case of magnesium ferrite. *Journal of Alloys and Compounds*, **2013**, 577, 97-102	5.7	19
7	Wire-in-tube structure fabricated by single capillary electrospinning via nanoscale Kirkendall effect: the case of nickel-zinc ferrite. *Nanoscale*, **2013**, 5, 12551-7	7.7	36
6	Unique magnetic properties and magnetization reversal process of CoFe2O4 nanotubes fabricated by electrospinning. *Nanoscale*, **2012**, 4, 3932-6	7.7	64

5	Nanoscale characterization and magnetic reversal mechanism investigation of electrospun NiFe2O4 multi-particle-chain nanofibres. *Nanoscale*, **2012**, 4, 2754-9	7.7	34
4	BaFe12O19 single-particle-chain nanofibers: preparation, characterization, formation principle, and magnetization reversal mechanism. *ACS Nano*, **2012**, 6, 2273-80	16.7	68
3	Microstructure and magnetic anisotropy of electrospun Cu1−xZnxFe2O4nanofibres: a local probe study. *Journal Physics D: Applied Physics*, **2011**, 44, 445304	3	2
2	The Faraday rotation angle of Ni nanowire arrays: its dependence on photon energy and nanowire size. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 8561-7	1.3	
1	Synthesis and Microwave Absorption Properties of Co2Z Barium Ferrite by Salt-Molten Method. *Advanced Materials Research*, **2010**, 160-162, 957-961	0.5	