

Yan-Huai Ding

List of Publications by Year in descending order

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139
papers

3,846
citations

117625

34
h-index

155660

55
g-index

140
all docs

140
docs citations

140
times ranked

5071
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of nano-structured LiFePO ₄ /graphene composites by co-precipitation method. <i>Electrochemistry Communications</i> , 2010, 12, 10-13.	4.7	326
2	A green approach to the synthesis of reduced graphene oxide nanosheets under UV irradiation. <i>Nanotechnology</i> , 2011, 22, 215601.	2.6	211
3	The ionic conductivity and mechanical property of electrospun P(VdF-HFP)/PMMA membranes for lithium ion batteries. <i>Journal of Membrane Science</i> , 2009, 329, 56-59.	8.2	162
4	Oxygen-containing hierarchically porous carbon materials derived from wild jujube pit for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2017, 231, 417-428.	5.2	142
5	Highly stable and self-repairing membrane-mimetic 2D nanomaterials assembled from lipid-like peptoids. <i>Nature Communications</i> , 2016, 7, 12252.	12.8	124
6	Analysis of interfacial adhesion properties of nano-silica modified asphalt mixtures using molecular dynamics simulation. <i>Construction and Building Materials</i> , 2020, 255, 119354.	7.2	111
7	Electrospun PU@GO separators for advanced lithium ion batteries. <i>Journal of Membrane Science</i> , 2018, 555, 1-6.	8.2	97
8	Designable and dynamic single-walled stiff nanotubes assembled from sequence-defined peptoids. <i>Nature Communications</i> , 2018, 9, 270.	12.8	85
9	Batwing-like polymer membrane consisting of PMMA-grafted electrospun PVdF@SiO ₂ nanocomposite fibers for lithium-ion batteries. <i>Journal of Membrane Science</i> , 2015, 495, 341-350.	8.2	81
10	Effect of rare earth elements doping on structure and electrochemical properties of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ for lithium-ion battery. <i>Solid State Ionics</i> , 2007, 178, 967-971.	2.7	78
11	First principles study of P-doped borophene as anode materials for lithium ion batteries. <i>Applied Surface Science</i> , 2018, 427, 198-205.	6.1	70
12	Preparation of PVdF-based electrospun membranes and their application as separators. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 015005.	6.1	68
13	Temperature-dependent on/off PVP@TiO ₂ separator for safe Li-storage. <i>Journal of Membrane Science</i> , 2018, 565, 33-41.	8.2	67
14	Facile synthesis of Ag/ZnO heterostructures assisted by UV irradiation: Highly photocatalytic property and enhanced photostability. <i>Materials Research Bulletin</i> , 2011, 46, 1625-1631.	5.2	62
15	Morphology and electrochemical properties of Al doped LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ nanofibers prepared by electrospinning. <i>Journal of Alloys and Compounds</i> , 2009, 487, 507-510.	5.5	61
16	Two-dimensional phosphorus carbide as a promising anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12029-12037.	10.3	60
17	Atomic force microscope study of the aging/rejuvenating effect on asphalt morphology and adhesion performance. <i>Construction and Building Materials</i> , 2019, 205, 642-655.	7.2	58
18	Synthesis and electrochemical properties of Co ₃ O ₄ nanofibers as anode materials for lithium-ion batteries. <i>Materials Letters</i> , 2008, 62, 3410-3412.	2.6	56

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19	Morphology and Mechanical Properties of Polyimide Films: The Effects of UV Irradiation on Microscale Surface. <i>Materials</i> , 2017, 10, 1329.	2.9	53
20	Strain-engineering tunable electron mobility of monolayer IV-V group compounds. <i>Nanoscale</i> , 2018, 10, 16750-16758.	5.6	43
21	Sepiolite-based separator for advanced Li-ion batteries. <i>Applied Surface Science</i> , 2019, 484, 446-452.	6.1	43
22	Three-dimensional graphene/LiFePO ₄ nanostructures as cathode materials for flexible lithium-ion batteries. <i>Materials Research Bulletin</i> , 2013, 48, 3713-3716.	5.2	42
23	A comparative study of toxicity of TiO ₂ , ZnO, and Ag nanoparticles to human aortic smooth-muscle cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 8037-8049.	6.7	42
24	Facile synthesis of few-layer g-C ₃ N ₄ nanosheets anchored with cubic-phase CdS nanocrystals for high photocatalytic hydrogen generation activity. <i>Journal of Alloys and Compounds</i> , 2020, 839, 155684.	5.5	42
25	Mechanical properties of nylon-6/SiO ₂ nanofibers prepared by electrospinning. <i>Materials Letters</i> , 2009, 63, 34-36.	2.6	41
26	Preparation of graphene/TiO ₂ anode materials for lithium-ion batteries by a novel precipitation method. <i>Materials Research Bulletin</i> , 2011, 46, 2403-2407.	5.2	40
27	Revealing compatibility mechanism of nanosilica in asphalt through molecular dynamics simulation. <i>Journal of Molecular Modeling</i> , 2021, 27, 81.	1.8	38
28	Flexible free-standing TiO ₂ /graphene/PVdF films as anode materials for lithium-ion batteries. <i>Applied Surface Science</i> , 2012, 263, 54-57.	6.1	36
29	Carbon-encapsulated Mn-doped V ₂ O ₅ nanorods with long span life for high-power rechargeable lithium batteries. <i>Electrochimica Acta</i> , 2016, 192, 216-226.	5.2	36
30	Embedding of Mg-doped V ₂ O ₅ nanoparticles in a carbon matrix to improve their electrochemical properties for high-energy rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17432-17441.	10.3	36
31	Electrospun free-standing N-doped C@SnO ₂ anode paper for flexible Li-ion batteries. <i>Materials Research Bulletin</i> , 2019, 109, 41-48.	5.2	36
32	A hard-template process to prepare three-dimensionally macroporous polymer electrolyte for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 121, 328-336.	5.2	35
33	Superior Sodium Storage of Carbon-Coated NaV ₆ O ₁₅ Nanotube Cathode: Pseudocapacitance Versus Intercalation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10631-10641.	8.0	35
34	Graphene-like BSi as a promising anode material for Li- and Mg-ion batteries: A first principle study. <i>Applied Surface Science</i> , 2021, 563, 150278.	6.1	35
35	Influence of sea salt on the interfacial adhesion of bitumen aggregate systems by molecular dynamics simulation. <i>Construction and Building Materials</i> , 2022, 336, 127471.	7.2	35
36	Synthesis and electrochemical properties of layered Li[Ni _{1/3} Co _{1/3} Mn _{1/3}]O _{0.96} Ti _{0.04} O _{1.96} F _{0.04} as cathode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2008, 456, 344-347.	5.5	34

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37	Synthesis and properties of ZnO nanofibers prepared by electrospinning. Journal of Sol-Gel Science and Technology, 2009, 52, 287-290.	2.4	34
38	Natural assembly of a ternary Ag ₂ SnTiO ₂ photocatalyst and its photocatalytic performance under simulated sunlight. RSC Advances, 2018, 8, 13408-13416.	3.6	33
39	Surface adhesion properties of graphene and graphene oxide studied by colloid-probe atomic force microscopy. Applied Surface Science, 2011, 258, 1077-1081.	6.1	31
40	Strain/stress engineering on the mechanical and electronic properties of phosphorene nanosheets and nanotubes. RSC Advances, 2017, 7, 51466-51474.	3.6	29
41	Co ₉ S ₈ nanoparticles embedded into amorphous carbon as anode materials for lithium-ion batteries. Nanotechnology, 2020, 31, 235713.	2.6	28
42	Study on mechanical properties of graphyne nanostructures by molecular dynamics simulation. Materials Research Express, 2017, 4, 025603.	1.6	27
43	Solid-phase synthesis of three-armed star-shaped peptoids and their hierarchical self-assembly. Biopolymers, 2019, 110, e23258.	2.4	27
44	Flexible, nonflammable and Li-dendrite resistant Na ₂ Ti ₃ O ₇ nanobelt-based separators for advanced Li storage. Journal of Membrane Science, 2019, 583, 190-199.	8.2	27
45	The morphology, structure and electrochemical properties of LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ prepared by electrospun method. Journal of Alloys and Compounds, 2008, 462, 340-342.	5.5	26
46	Effect of Mg and Co co-doping on electrochemical properties of LiFePO ₄ . Transactions of Nonferrous Metals Society of China, 2012, 22, s153-s156.	4.2	26
47	Carbon-encapsulated LiMn ₂ O ₄ spheres prepared using a polymer microgel reactor for high-power lithium-ion batteries. Journal of Power Sources, 2016, 301, 376-385.	7.8	26
48	Fabrication and photocatalytic property of TiO ₂ nanofibers. Journal of Sol-Gel Science and Technology, 2008, 46, 176-179.	2.4	25
49	Eco-friendly and effective strategy to synthesize ZnO/Ag ₂ O heterostructures and its excellent photocatalytic property under visible light. Journal of Solid State Chemistry, 2018, 268, 83-93.	2.9	25
50	Pre-incubated with BSA-complexed free fatty acids alters ER stress/autophagic gene expression by carboxylated multi-walled carbon nanotube exposure in THP-1 macrophages. Chinese Chemical Letters, 2019, 30, 1224-1228.	9.0	24
51	Solid-State, Low-Cost, and Green Synthesis and Robust Photochemical Hydrogen Evolution Performance of Ternary TiO ₂ /MgTiO ₃ /C Photocatalysts. IScience, 2019, 14, 15-26.	4.1	23
52	Microstructural evolution of asphalt induced by chloride salt erosion. Construction and Building Materials, 2022, 343, 128056.	7.2	23
53	Temperature Effect on the Mechanical Properties of Electrospun PU Nanofibers. Nanoscale Research Letters, 2018, 13, 384.	5.7	21
54	Exposing Cu-Rich {110} Active Facets in PtCu nanostars for boosting electrochemical performance toward multiple liquid fuels electrooxidation. Nano Research, 2019, 12, 1147-1153.	10.4	21

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55	Noble metal atoms doped phosphorene: electronic properties and gas adsorption ability. <i>Materials Research Express</i> , 2017, 4, 045703.	1.6	20
56	Switchable photoelectrochemical response controlled by ferroelectric polarization in (101)-oriented Pb(Zr _{0.2} Ti _{0.8})O ₃ thin film. <i>Materials and Design</i> , 2017, 129, 186-191.	7.0	20
57	A new two-dimensional TeSe ₂ semiconductor: indirect to direct band-gap transitions. <i>Science China Materials</i> , 2017, 60, 747-754.	6.3	20
58	Internalization, cytotoxicity, oxidative stress and inflammation of multi-walled carbon nanotubes in human endothelial cells: influence of pre-incubation with bovine serum albumin. <i>RSC Advances</i> , 2018, 8, 9253-9260.	3.6	20
59	Hierarchical C/SiO _x /TiO ₂ ultrathin nanobelts as anode materials for advanced lithium ion batteries. <i>Nanotechnology</i> , 2018, 29, 405602.	2.6	20
60	The morphological evolution, mechanical properties and ionic conductivities of electrospinning P(VDF-HFP) membranes at various temperatures. <i>Ionics</i> , 2009, 15, 731-734.	2.4	18
61	Facile preparation of exposed {001} facet TiO ₂ nanobelts coated by monolayer carbon and its high-performance photocatalytic activity. <i>Journal of Materials Science</i> , 2017, 52, 13586-13595.	3.7	18
62	Influence of pristine and hydrophobic ZnO nanoparticles on cytotoxicity and endoplasmic reticulum (ER) stress-autophagy-apoptosis gene expression in A549-macrophage co-culture. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 188-195.	6.0	18
63	Indentation size effects in the nano- and micro-hardness of a Fe-based bulk metallic glass. <i>Physica B: Condensed Matter</i> , 2014, 450, 84-89.	2.7	17
64	Adhesion force measurements between deep-sea soil particles and metals by in situ AFM. <i>Applied Clay Science</i> , 2017, 148, 118-122.	5.2	17
65	Density functional theory studies on the structural and physical properties of Cu-doped anatase TiO ₂ (101) surface. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 259-263.	2.7	17
66	The elastic module of Ag nanowires prepared from electrochemical deposition. <i>Journal of Alloys and Compounds</i> , 2009, 474, 223-225.	5.5	16
67	Influence of line defects on relaxation properties of graphene: A molecular dynamics study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 68, 102-106.	2.7	16
68	Gel polymer electrolyte based on hydrophilic-lipophilic TiO ₂ -modified thermoplastic polyurethane for high-performance Li-ion batteries. <i>Journal of Materials Science</i> , 2021, 56, 2474-2485.	3.7	16
69	Atomistic-scale investigation of self-healing mechanism in Nano-silica modified asphalt through molecular dynamics simulation. <i>Journal of Infrastructure Preservation and Resilience</i> , 2022, 3, .	3.2	16
70	Synthesis of Monolayer MoSe ₂ with Controlled Nucleation via Reverse-Flow Chemical Vapor Deposition. <i>Nanomaterials</i> , 2020, 10, 75.	4.1	15
71	A capsule-type gelled polymer electrolyte for rechargeable lithium batteries. <i>RSC Advances</i> , 2016, 6, 47833-47839.	3.6	14
72	Cytotoxicity and ER stress-apoptosis gene expression in ZnO nanoparticle exposed THP-1 macrophages: influence of pre-incubation with BSA or palmitic acids complexed to BSA. <i>RSC Advances</i> , 2018, 8, 15380-15388.	3.6	14

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73	AFM characterization and electrochemical property of Ag nanowires by modified AAO template method. <i>Journal of Alloys and Compounds</i> , 2008, 466, 479-482.	5.5	13
74	K-Doped Li-Rich Molybdenum-Based Oxide with Improved Electrochemical Properties for Lithium-Ion Batteries. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 4291-4298.	3.0	13
75	Toxicity of ZnO nanoparticles (NPs) to THP-1 macrophages: interactions with saturated or unsaturated free fatty acids. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 291-299.	2.7	13
76	Anisotropic semi-aligned PAN@PVdF-HFP separator for Li-ion batteries. <i>Nanotechnology</i> , 2020, 31, 435701.	2.6	13
77	Co-precipitation synthesis and electrochemical properties of graphene supported $\text{LiMn}_{1/3}\text{Ni}_{1/3}\text{Co}_{1/3}\text{O}_2$ cathode materials for lithium-ion batteries. <i>Nanotechnology</i> , 2013, 24, 375401.	2.6	12
78	Water and salt permeability of monolayer graph-n-yne: Molecular dynamics simulations. <i>Carbon</i> , 2017, 123, 688-694.	10.3	12
79	Palmitate enhanced the cytotoxicity of ZnO nanomaterials possibly by promoting endoplasmic reticulum stress. <i>Journal of Applied Toxicology</i> , 2019, 39, 798-806.	2.8	12
80	Novel Sepiolite-Based Materials for Lithium and Sodium Ion Storage. <i>Energy Technology</i> , 2020, 8, 1901262.	3.8	12
81	V ₂ O ₃ /MoS ₂ microspheres as a high-performance anode for Li-storage. <i>Applied Surface Science</i> , 2020, 513, 145756.	6.1	12
82	Structural, electrochemical and thermal properties of $\text{LiNi}_{0.8}\text{Co}_{0.2}\text{O}_2$ as cathode materials for lithium ion batteries. <i>Materials Chemistry and Physics</i> , 2006, 100, 236-240.	4.0	11
83	Humidity-dependant compression properties of graphene oxide foams prepared by freeze-drying technique. <i>Micro and Nano Letters</i> , 2013, 8, 66-67.	1.3	11
84	Hybrid $\text{Li}_{3.2}\text{Mn}_{0.54}\text{Co}_{0.13}\text{Ni}_{0.13}\text{O}_2$ /carbon encapsulated $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Co}_{0.13}\text{Ni}_{0.13}\text{O}_2$ with improved electrochemical properties for lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 28729-28736.	3.6	11
85	Influence of bovine serum albumin pre-incubation on toxicity and ER stress-apoptosis gene expression in THP-1 macrophages exposed to ZnO nanoparticles. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 587-598.	2.7	11
86	SiO ₂ -Modified Biocarbon Materials Derived from Shaddock Peel for Li-Ion Batteries. <i>ChemistrySelect</i> , 2019, 4, 8614-8620.	1.5	11
87	Intrinsic structure and friction properties of graphene and graphene oxide nanosheets studied by scanning probe microscopy. <i>Bulletin of Materials Science</i> , 2013, 36, 1073-1077.	1.7	10
88	Nanoscale mechanical characterization of PMMA by AFM nanoindentation: a theoretical study on the time-dependent viscoelastic recovery. <i>Journal of Materials Science</i> , 2013, 48, 3479-3485.	3.7	10
89	Effect of fluorination on the performance of poly(thieno[2,3-f]benzofuran-co-benzothiadiazole) derivatives. <i>RSC Advances</i> , 2015, 5, 30145-30152.	3.6	10
90	Carbon-decorated flower-like ZnO as high-performance anode materials for Li-ion batteries. <i>Ionics</i> , 2019, 25, 4129-4136.	2.4	10

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91	Synthesis of TiO ₂ /LaFeO ₃ composites for the photoelectrochemical hydrogen evolution. <i>Journal of Materials Science</i> , 2021, 56, 15188-15204.	3.7	10
92	Carbon innercoated ordered porous TiO ₂ as anode materials for lithium-ion batteries. <i>Ionics</i> , 2015, 21, 1553-1559.	2.4	9
93	Electrospun PU/PVP/GO Separator for Li-ion Batteries. <i>Fibers and Polymers</i> , 2019, 20, 961-965.	2.1	9
94	Preparation and electrochemical properties of sepiolite supported Co ₃ O ₄ nanoparticles. <i>Applied Clay Science</i> , 2021, 203, 106020.	5.2	9
95	Sepiolite and ZIF-67 co-modified PAN/PVdF-HFP nanofiber separators for advanced Li-ion batteries. <i>Nanotechnology</i> , 2022, 33, 425601.	2.6	9
96	Synthesis and electrochemical properties of LiNi _{0.375} Co _{0.25} Mn _{0.375} CrO ₂ F cathode materials prepared by sol-gel method. <i>Materials Research Bulletin</i> , 2008, 43, 2005-2009.	5.2	8
97	Mechanical characterization of PMMA by AFM nanoindentation and finite element simulation. <i>Materials Research Express</i> , 2016, 3, 115302.	1.6	8
98	A study of the nanoindentation creep behavior of (La _{0.5} Ce _{0.5}) ₆₅ Al ₁₀ Co ₂₅ metallic glass based on fractional differential rheological model. <i>Journal of Non-Crystalline Solids</i> , 2018, 490, 50-60.	3.1	8
99	Mechanical properties of individual core-shell-structured SnO ₂ @C nanofibers investigated by atomic force microscopy and finite element method. <i>Science China Technological Sciences</i> , 2018, 61, 1144-1149.	4.0	8
100	Electrospun PI@GO separators for Li-ion batteries: a possible solution for high-temperature operation. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 94, 109-117.	2.4	8
101	Introducing a Porous Container and a Defect-Rich Cocatalyst Coating Over CdS Nanoparticles for Promotion of Photocatalytic Hydrogen Evolution. <i>Catalysis Letters</i> , 2020, 150, 3533-3541.	2.6	8
102	TiO ₂ nanobelts with ultra-thin mixed C/SiO coating as high-performance photo/photoelectrochemical hydrogen evolution materials. <i>Applied Surface Science</i> , 2021, 537, 147861.	6.1	8
103	Mechanical properties of a single SnO ₂ fiber prepared from the electrospinning method. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 152-157.	2.4	7
104	Toxicity of ZnO nanoparticles (NPs) with or without hydrophobic surface coating to THP-1 macrophages: interactions with BSA or oleate-BSA. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 520-528.	2.7	7
105	Two-dimensional GeAsSe with high and unidirectional conductivity. <i>Nanoscale</i> , 2018, 10, 15998-16004.	5.6	7
106	Fabrication of Aligned PI/GO Nanofibers for Battery Separators. <i>Fibers and Polymers</i> , 2021, 22, 30-35.	2.1	7
107	Enhanced ion diffusion induced by structural transition of Li-modified borophosphene. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21326-21333.	2.8	6
108	Programmable Assembly of Nanostructures through Designing Anisotropic DNA Origami Patches. <i>Angewandte Chemie</i> , 2020, 132, 6451-6458.	2.0	6

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109	An environmentally friendly sepiolite/Cu ₂ O/Cu ternary composite as anode material for Li-ion batteries. <i>Ionics</i> , 2022, 28, 1091-1098.	2.4	6
110	Strain engineering on transmission carriers of monolayer phosphorene. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 465501.	1.8	5
111	Novel elastic, lattice dynamics and thermodynamic properties of metallic single-layer transition metal phosphides: 2H-M ₂ P (Mo ₂ P, W ₂ P, Nb ₂ P and) <i>TJ ETQq11180.784344 rgBT</i>		
112	TiO ₂ modified hen-egg-shell-membrane as separator for Li-ion batteries. <i>Materials Research Express</i> , 2019, 6, 075512.	1.6	5
113	Lithium acetate modified PU/graphene composites as separator for advanced Li-ion batteries. <i>Micro and Nano Letters</i> , 2020, 15, 213-217.	1.3	5
114	Flexible fire-resistant and heat-insulating materials fabricated using sodium titanate nanobelts. <i>Materials Today Nano</i> , 2022, 17, 100161.	4.6	5
115	Enhanced Electrochemical Properties of N-Doped Carbon Nanofibers by Co ₉ S ₈ Nanoparticles Derived from ZIF-67. <i>Journal of Electronic Materials</i> , 2022, 51, 2909-2917.	2.2	5
116	Preparation and electrochemical properties of LiFePO ₄ /graphene composites from tailoring graphene oxides. <i>Ionics</i> , 2016, 22, 1021-1026.	2.4	4
117	Compressive mechanical properties of porous GO materials prepared from freeze-drying method. <i>Materials Research Express</i> , 2017, 4, 025601.	1.6	4
118	Ferromagnetic resonance manipulation by electric fields in Ni ₈₁ Fe ₁₉ /Bi _{3.15} Nd _{0.85} Ti _{2.99} Mn _{0.01} O ₁₂ multiferroic heterostructures. <i>Applied Physics Letters</i> , 2018, 113, 172407.	3.3	4
119	A new 2D carbon allotrope C ₅₆₈ as a high-capacity electrode material for lithium-ion batteries. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2022, 30, 385-391.	2.1	4
120	Effect of K-Doping on the Sodium-storage Performance of Sodium Vanadate Nanoplates. <i>Acta Chimica Sinica</i> , 2019, 77, 625.	1.4	4
121	Study on structure and properties of transition metal doped BiF ₃ by first-principles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 80, 125-129.	2.7	3
122	Effect of oxygen vacancies on Li-storage of anatase TiO_2 (001) facets: a first principles study. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	1.7	3
123	Mechanical properties of double-layered borophene with Li-storage. <i>Materials Research Express</i> , 2019, 6, 035010.	1.6	3
124	Synthesis of polyaniline nanowires wrapped yolk-shell structured S@RGO composite material and its improved lithium-storage performance. <i>Ionics</i> , 2021, 27, 2455-2464.	2.4	3
125	Graphene oxide wrapped magnetic nanoparticle composites induced by SiO ₂ coating with excellent regenerability. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 2001-2007.	4.9	3
126	Effect of vacancy distribution on the relaxation properties of graphene: a molecular dynamics study. <i>Micro and Nano Letters</i> , 2015, 10, 693-695.	1.3	2

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127	Preparation and Mechanical Properties of EP/GO Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 154-158.	3.7	2
128	Structural evolution of Si-based anode materials during the lithiation reaction. Nanotechnology, 2021, 32, 315707.	2.6	2
129	Strain-engineering on mechanical and electronic properties of group IV-V two-dimensional semiconductors. Materials Research Express, 2021, 8, 105006.	1.6	2
130	Preparation of ultrathin carbon-coated CdS nanobelts for advanced Li and Na storage. Nanotechnology, 2020, 31, 505403.	2.6	2
131	In-plane elastic properties of raw and doped graphene-like BSi: a first principle study. Journal of Materials Science, 2022, 57, 5050-5060.	3.7	2
132	The parallel generation of 2-D Hilbert Space-filling Curve on GPU. , 2012, , .		1
133	Simulation of FeFET-Based Basic Logic Circuits and Current Sensing Amplifier. Integrated Ferroelectrics, 2015, 167, 52-61.	0.7	1
134	Study on multi-logic polarization and inverse piezoelectric effect of ferroelectric tunnel junction with a composite barrier. Integrated Ferroelectrics, 2016, 169, 113-123.	0.7	1
135	Molecular dynamics study on the relaxation properties of bilayered graphene with defects. Bulletin of Materials Science, 2017, 40, 1255-1261.	1.7	1
136	Ferric Oxide-reduced Graphene Oxide Composite Material: Synthesis Based on Covalent Binding and Its Lithium-Storage Property. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2018, 33, 741.	1.3	1
137	Design and Simulation of FeFET-Based Lookup Table. Integrated Ferroelectrics, 2015, 167, 62-68.	0.7	0
138	Flexible capacitive behavior of hybrid carbon materials prepared from graphene sheets. Materials Research Express, 2016, 3, 065006.	1.6	0
139	Mechanical properties of TiO ₂ nanotubes investigated by AFM and FEM. Insight: Non-Destructive Testing and Condition Monitoring, 2021, 63, 422-426.	0.6	0