

# Zongwen Liu

## List of Publications by Year in descending order

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170  
papers

11,410  
citations

30070

54  
h-index

30922

102  
g-index

174  
all docs

174  
docs citations

174  
times ranked

16982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of crystallization and dopant concentration on the emission behavior of TiO <sub>2</sub> :Eu nanophosphors. <i>Nanoscale Research Letters</i> , 2012, 7, 1.	5.7	1,685
2	Functionalization of Halloysite Clay Nanotubes by Grafting with $\hat{1}^3$ -Aminopropyltriethoxysilane. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15742-15751.	3.1	827
3	Recent advances in synthesis, physical properties and applications of conducting polymer nanotubes and nanofibers. <i>Progress in Polymer Science</i> , 2011, 36, 1415-1442.	24.7	763
4	A Novel Method for Preparing Copper Nanorods and Nanowires. <i>Advanced Materials</i> , 2003, 15, 303-305.	21.0	305
5	Amorphous Bimetallic Oxideâ€“Graphene Hybrids as Bifunctional Oxygen Electrocatalysts for Rechargeable Znâ€“Air Batteries. <i>Advanced Materials</i> , 2017, 29, 1701410.	21.0	243
6	A Flexible Rechargeable Zincâ€“Air Battery with Excellent Lowâ€“Temperature Adaptability. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4793-4799.	13.8	217
7	Oxygen-doped boron nitride nanosheets with excellent performance in hydrogen storage. <i>Nano Energy</i> , 2014, 6, 219-224.	16.0	210
8	Structural evolution and the capacity fade mechanism upon long-term cycling in Li-rich cathode material. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12875.	2.8	197
9	High rate capability caused by surface cubic spinels in Li-rich layer-structured cathodes for Li-ion batteries. <i>Scientific Reports</i> , 2013, 3, 3094.	3.3	192
10	Hydrolysis and regeneration of sodium borohydride (NaBH <sub>4</sub> ) â€“ A combination of hydrogen production and storage. <i>Journal of Power Sources</i> , 2017, 359, 400-407.	7.8	173
11	A combined study by XRD, FTIR, TG and HRTEM on the structure of delaminated Fe-intercalated/pillared clay. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 142-149.	9.4	167
12	Graphene-based surface modification on layered Li-rich cathode for high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9954.	10.3	163
13	Recent Progress in the Fabrication, Properties, and Devices of Heterostructures Based on 2D Materials. <i>Nano-Micro Letters</i> , 2019, 11, 13.	27.0	157
14	Valleytronics in transition metal dichalcogenides materials. <i>Nano Research</i> , 2019, 12, 2695-2711.	10.4	155
15	DLC coatings: Effects of physical and chemical properties on biological response. <i>Biomaterials</i> , 2007, 28, 1620-1628.	11.4	152
16	Effects of microstructure of clay minerals, montmorillonite, kaolinite and halloysite, on their benzene adsorption behaviors. <i>Applied Clay Science</i> , 2017, 143, 184-191.	5.2	146
17	Strain engineering of two-dimensional multilayered heterostructures for beyond-lithium-based rechargeable batteries. <i>Nature Communications</i> , 2020, 11, 3297.	12.8	134
18	Epitaxial Heterostructures:Â Side-to-Side Siâˆ“ZnS, Siâˆ“ZnSe Biaxial Nanowires, and Sandwichlike ZnSâˆ“Siâˆ“ZnS Triaxial Nanowires. <i>Journal of the American Chemical Society</i> , 2003, 125, 11306-11313.	13.7	124

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19	Organosilane functionalization of halloysite nanotubes for enhanced loading and controlled release. <i>Nanotechnology</i> , 2012, 23, 375705.	2.6	123
20	Synthesis of Crystalline Silicon Tubular Nanostructures with ZnS Nanowires as Removable Templates. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 63-66.	13.8	121
21	From platy kaolinite to aluminosilicate nanoroll via one-step delamination of kaolinite: Effect of the temperature of intercalation. <i>Applied Clay Science</i> , 2013, 83-84, 68-76.	5.2	116
22	Large scale boron carbon nitride nanosheets with enhanced lithium storage capabilities. <i>Chemical Communications</i> , 2013, 49, 352-354.	4.1	110
23	Analysis of the Promoted Activity and Molecular Mechanism of Hydrogen Production over Fine Au@Pt Alloyed TiO <sub>2</sub> Photocatalysts. <i>ACS Catalysis</i> , 2015, 5, 3924-3931.	11.2	110
24	Temperature dependence of the electrical transport properties in few-layer graphene interconnects. <i>Nanoscale Research Letters</i> , 2013, 8, 335.	5.7	108
25	Synthesis of tungsten oxide nanowires. <i>Chemical Physics Letters</i> , 2003, 372, 179-182.	2.6	100
26	Ga-filled single-crystalline MgO nanotube: Wide-temperature range nanothermometer. <i>Applied Physics Letters</i> , 2003, 83, 999-1001.	3.3	100
27	Unusual Freezing and Melting of Gallium Encapsulated in Carbon Nanotubes. <i>Physical Review Letters</i> , 2004, 93, 095504.	7.8	98
28	Structural, optical and magnetic properties of Co-doped ZnO nanorods with hidden secondary phases. <i>Nanotechnology</i> , 2008, 19, 455702.	2.6	96
29	Laser cladding Al-based amorphous-nanocrystalline composite coatings on AZ80 magnesium alloy under water cooling condition. <i>Journal of Alloys and Compounds</i> , 2017, 690, 108-115.	5.5	94
30	Co@Fe@Cr (oxy)Hydroxides as Efficient Oxygen Evolution Reaction Catalysts. <i>Advanced Energy Materials</i> , 2021, 11, 2003412.	19.5	94
31	Graphene@V <sub>2</sub> O <sub>5</sub> ·nH <sub>2</sub> O xerogel composite cathodes for lithium ion batteries. <i>RSC Advances</i> , 2011, 1, 690.	3.6	84
32	Advances in Sustain Stable Voltage of Cr-Doped Li-Rich Layered Cathodes for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1723-A1730.	2.9	79
33	One-Dimensional van der Waals Heterostructures as Efficient Metal-Free Oxygen Electrocatalysts. <i>ACS Nano</i> , 2021, 15, 3309-3319.	14.6	79
34	In Situ Formation of BN Nanotubes during Nitriding Reactions. <i>Chemistry of Materials</i> , 2005, 17, 5172-5176.	6.7	78
35	Spintronics in Two-Dimensional Materials. <i>Nano-Micro Letters</i> , 2020, 12, 93.	27.0	78
36	Giant nonlinear optical activity in two-dimensional palladium diselenide. <i>Nature Communications</i> , 2021, 12, 1083.	12.8	76

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37	Large-scale synthesis of hexagonal corundum-type In <sub>2</sub> O <sub>3</sub> by ball milling with enhanced lithium storage capabilities. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5274.	10.3	75
38	A Green and Facile Synthesis of Ordered Mesoporous Nanosilica Using Coal Fly Ash. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4654-4661.	6.7	75
39	Temperature measurement using a gallium-filled carbon nanotube nanothermometer. <i>Applied Physics Letters</i> , 2003, 83, 2913-2915.	3.3	74
40	Eu-doped Boron Nitride Nanotubes as a Nanometer-Sized Visible-Light Source. <i>Advanced Materials</i> , 2007, 19, 1845-1848.	21.0	74
41	Poly (vinylidene fluoride)/polyaniline/MWCNT nanocomposite ultrafiltration membrane for natural organic matter removal. <i>Separation and Purification Technology</i> , 2018, 190, 143-155.	7.9	74
42	Three-dimensional electrodes for dye-sensitized solar cells: synthesis of indium-tin-oxide nanowire arrays and ITO/TiO <sub>2</sub> core-shell nanowire arrays by electrophoretic deposition. <i>Nanotechnology</i> , 2009, 20, 055601.	2.6	72
43	Progress and challenges of carbon nanotube membrane in water treatment. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 999-1046.	12.8	70
44	High flux and high selectivity carbon nanotube composite membranes for natural organic matter removal. <i>Separation and Purification Technology</i> , 2016, 163, 109-119.	7.9	69
45	High entropy alloy thin films of AlCoCrCu <sub>0.5</sub> FeNi with controlled microstructure. <i>Applied Surface Science</i> , 2019, 495, 143560.	6.1	69
46	Photocatalytic degradation of phenol in water on as-prepared and surface modified TiO <sub>2</sub> nanoparticles. <i>Catalysis Today</i> , 2015, 258, 96-102.	4.4	67
47	Carbon-Coated Li <sub>3</sub> N Nanofibers for Advanced Hydrogen Storage. <i>Advanced Materials</i> , 2013, 25, 6238-6244.	21.0	66
48	Synthesis of Gallium-Filled Gallium Oxide-Zinc Oxide Composite Coaxial Nanotubes. <i>Advanced Materials</i> , 2003, 15, 1000-1003.	21.0	64
49	Hydrogen Production via Hydrolysis and Alcoholysis of Light Metal-Based Materials: A Review. <i>Nano-Micro Letters</i> , 2021, 13, 134.	27.0	62
50	Direct Observation of the Linear Dichroism Transition in Two-Dimensional Palladium Diselenide. <i>Nano Letters</i> , 2020, 20, 1172-1182.	9.1	61
51	High-performance polarization-sensitive photodetector based on a few-layered PdSe <sub>2</sub> nanosheet. <i>Nano Research</i> , 2020, 13, 1780-1786.	10.4	60
52	Selective loading of 5-fluorouracil in the interlayer space of methoxy-modified kaolinite for controlled release. <i>Applied Clay Science</i> , 2018, 159, 102-106.	5.2	58
53	A Flexible Rechargeable Zinc-Air Battery with Excellent Low-Temperature Adaptability. <i>Angewandte Chemie</i> , 2020, 132, 4823-4829.	2.0	57
54	Atomic-scale regulation of anionic and cationic migration in alkali metal batteries. <i>Nature Communications</i> , 2021, 12, 4184.	12.8	57

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55	Protein fouling in carbon nanotubes enhanced ultrafiltration membrane: Fouling mechanism as a function of pH and ionic strength. Separation and Purification Technology, 2017, 176, 323-334.	7.9	56
56	Fabrication of Metal-Semiconductor Nanowire Heterojunctions. Angewandte Chemie - International Edition, 2005, 44, 2140-2144.	13.8	52
57	Single-Crystalline, Submicrometer-Sized ZnSe Tubes. Advanced Materials, 2005, 17, 975-979.	21.0	50
58	Electrical Conductivity Studies on Individual Conjugated Polymer Nanowires: Two-Probe and Four-Probe Results. Nanoscale Research Letters, 2010, 5, 237-42.	5.7	50
59	Ilmenite $\text{FeTiO}_3$ Nanoflowers and Their Pseudocapacitance. Journal of Physical Chemistry C, 2011, 115, 17297-17302.	3.1	50
60	Improved hydrogen storage of $\text{LiBH}_4$ and $\text{NH}_3\text{BH}_3$ by catalysts. Journal of Materials Chemistry A, 2018, 6, 7293-7309.	10.3	49
61	Microstructure and mechanical properties of $\text{Mg}_{66}\text{Zn}_{14}\text{Cu}_{0.6}\text{Zr}$ (wt.%) alloys. Journal of Alloys and Compounds, 2011, 509, 3526-3531.	5.5	48
62	Role of carbon coating in improving electrochemical performance of Li-rich $\text{Li}_{0.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ cathode. RSC Advances, 2014, 4, 44244-44252.	3.6	48
63	Optical and magnetic properties of Cu-doped 13-atom Ag nanoclusters. Journal of Alloys and Compounds, 2013, 565, 50-55.	5.5	46
64	Synthesis and structure of InP nanowires and nanotubes. Chemical Physics Letters, 2003, 376, 676-682.	2.6	45
65	Electrodeposited PEDOT films on ITO with a flower-like hierarchical structure. Synthetic Metals, 2010, 160, 1636-1641.	3.9	45
66	RF magnetron sputtered AlCoCrCu <sub>0.5</sub> FeNi high entropy alloy (HEA) thin films with tuned microstructure and chemical composition. Journal of Alloys and Compounds, 2020, 836, 155348.	5.5	45
67	PdSe <sub>2</sub> /MoSe <sub>2</sub> vertical heterojunction for self-powered photodetector with high performance. Nano Research, 2022, 15, 2489-2496.	10.4	44
68	Solid phase mechanochemical synthesis of polyaniline branched nanofibers. Synthetic Metals, 2009, 159, 1302-1307.	3.9	42
69	First principles study of 3d transition metal doped $\text{Cu}_3\text{N}$ . Journal of Magnetism and Magnetic Materials, 2012, 324, 3138-3143.	2.8	41
70	Acidity enhancement through synergy of penta- and tetra-coordinated aluminum species in amorphous silica networks. Nature Communications, 2020, 11, 225.	12.8	40
71	Selective Oxidation Synthesis of $\text{MnCr}_2\text{O}_4$ Spinel Nanowires from Commercial Stainless Steel Foil. Crystal Growth and Design, 2007, 7, 2279-2281.	3.0	39
72	$\text{LiMn}_2\text{O}_4$ cathode materials with large porous structure and radial interior channels for lithium ion batteries. Electrochimica Acta, 2016, 212, 553-560.	5.2	38

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73	Moir $\text{\AA}$ superlattices and related moir $\text{\AA}$ excitons in twisted van der Waals heterostructures. <i>Chemical Society Reviews</i> , 2021, 50, 6401-6422.	38.1	38
74	Fabrication and characterization of in-situ duplex plasma-treated nanocrystalline Ti/AlTiN coatings. <i>Ceramics International</i> , 2016, 42, 10793-10800.	4.8	37
75	Facet-Controlling Agents Free Synthesis of Hematite Crystals with High-Index Planes: Excellent Photodegradation Performance and Mechanism Insight. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 142-151.	8.0	37
76	Highly effective metal vapor absorbents based on carbon nanotubes. <i>Applied Physics Letters</i> , 2002, 81, 4844-4846.	3.3	36
77	Uniform Micro-Sized $\gamma$ - and $\beta$ -Si <sub>3</sub> N <sub>4</sub> Thin Ribbons Grown by a High-Temperature Thermal-Decomposition/Nitridation Route. <i>Chemistry - A European Journal</i> , 2004, 10, 554-558.	3.3	36
78	Electro-synthesis of novel nanostructured PEDOT films and their application as catalyst support. <i>Nanoscale Research Letters</i> , 2011, 6, 364.	5.7	35
79	One-Step Room-Temperature Synthesis of [Al]MCM-41 Materials for the Catalytic Conversion of Phenylglyoxal to Ethylmandelate. <i>ChemCatChem</i> , 2013, 5, 3889-3896.	3.7	35
80	Cyclic Performance of Waste-Derived SiO <sub>2</sub> Stabilized, CaO-Based Sorbents for Fast CO <sub>2</sub> Capture. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 7004-7012.	6.7	35
81	Tailoring High-Performance Pd Catalysts for Chemoselective Hydrogenation Reactions via Optimizing the Parameters of the Double-Flame Spray Pyrolysis. <i>ACS Catalysis</i> , 2016, 6, 2372-2381.	11.2	35
82	FLIM as a Promising Tool for Cancer Diagnosis and Treatment Monitoring. <i>Nano-Micro Letters</i> , 2021, 13, 133.	27.0	35
83	Unconventional Ribbon-Shaped $\beta$ -Ga <sub>2</sub> O <sub>3</sub> Tubes with Mobile Sn Nanowire Fillings. <i>ACS Nano</i> , 2008, 2, 107-112.	14.6	34
84	Stabilization of NaZn(BH <sub>4</sub> ) <sub>3</sub> via nanoconfinement in SBA-15 towards enhanced hydrogen release. <i>Journal of Materials Chemistry A</i> , 2013, 1, 250-257.	10.3	34
85	High entropy nitride (HEN) thin films of AlCoCrCu <sub>0.5</sub> FeNi deposited by reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2020, 402, 126327.	4.8	34
86	Enhanced hydrogen storage of alanates: Recent progress and future perspectives. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 165-179.	4.4	33
87	Oxidation behaviour of copper nanorods. <i>Chemical Physics Letters</i> , 2003, 378, 85-88.	2.6	32
88	TiO <sub>2</sub> nanoparticles on nitrogen-doped graphene as anode material for lithium ion batteries. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	32
89	A novel Al BiOCl composite for hydrogen generation from water. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6655-6662.	7.1	32
90	Observation of double indirect interlayer exciton in WSe <sub>2</sub> /WS <sub>2</sub> heterostructure. <i>Optics Express</i> , 2020, 28, 13260.	3.4	32

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91	Automated process synthesis for optimal flowsheet design of a hybrid membrane cryogenic carbon capture process. <i>Journal of Cleaner Production</i> , 2017, 150, 309-323.	9.3	31
92	Nanoconfinement significantly improves the thermodynamics and kinetics of co-infiltrated 2LiBH <sub>4</sub> –LiAlH <sub>4</sub> composites: Stable reversibility of hydrogen absorption/resorption. <i>Acta Materialia</i> , 2013, 61, 6882-6893.	7.9	30
93	Influence of support acidity on the performance of size-confined Pt nanoparticles in the chemoselective hydrogenation of acetophenone. <i>Catalysis Science and Technology</i> , 2015, 5, 2788-2797.	4.1	30
94	Direct Observation of High Photoresponsivity in Pure Graphene Photodetectors. <i>Nanoscale Research Letters</i> , 2017, 12, 93.	5.7	29
95	A phosphorus and carbon composite containing nanocrystalline Sb as a stable and high-capacity anode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 443-452.	10.3	29
96	Evidence for moiré intralayer excitons in twisted WSe <sub>2</sub> /WSe <sub>2</sub> homobilayer superlattices. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	29
97	Microstructural evolution of spinodally formed Fe <sub>35</sub> Ni <sub>15</sub> Mn <sub>25</sub> Al <sub>25</sub> . <i>Intermetallics</i> , 2009, 17, 886-893.	3.9	27
98	Hydrogen-induced decomposition of Zr-rich cores in an Mg <sub>6</sub> Zn <sub>0.6</sub> Zr <sub>0.5</sub> Cu alloy. <i>Acta Materialia</i> , 2012, 60, 5615-5625.	7.9	26
99	Hollow nitrogen-containing core/shell fibrous carbon nanomaterials as support to platinum nanocatalysts and their TEM tomography study. <i>Nanoscale Research Letters</i> , 2012, 7, 165.	5.7	26
100	Ag-Cu nanoalloyed film as a high-performance cathode electrocatalytic material for zinc-air battery. <i>Nanoscale Research Letters</i> , 2015, 10, 197.	5.7	26
101	Visualizing Plasmon Coupling in Closely Spaced Chains of Ag Nanoparticles by Electron Energy Loss Spectroscopy. <i>Small</i> , 2010, 6, 446-451.	10.0	25
102	Nano-confined multi-synthesis of a Li–Mg–Na–H nanocomposite towards low-temperature hydrogen storage with stable reversibility. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12646-12652.	10.3	25
103	Tuning the Synthesis of Manganese Oxide Nanoparticles for Efficient Oxidation of Benzyl Alcohol. <i>Nanoscale Research Letters</i> , 2017, 12, 23.	5.7	24
104	Atomic-scale investigation of a new phase transformation process in TiO <sub>2</sub> nanofibers. <i>Nanoscale</i> , 2017, 9, 4601-4609.	5.6	22
105	Thermal oxidation of gallium nitride nanowires. <i>Applied Physics Letters</i> , 2003, 83, 3177-3179.	3.3	21
106	The Comparative Effect of Particle Size and Support Acidity on Hydrogenation of Aromatic Ketones. <i>ChemCatChem</i> , 2019, 11, 4810-4817.	3.7	21
107	Self-Assembly of Gold Nanowires along Carbon Nanotubes for Ultrahigh-Aspect-Ratio Hybrids. <i>Chemistry of Materials</i> , 2011, 23, 2760-2765.	6.7	20
108	Synergistic Effect for LiMn <sub>2</sub> O <sub>4</sub> Microcubes with Enhanced Rate Capability and Excellent Cycle Stability for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2016, 163, A197-A202.	2.9	20

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109	A novel method for practical temperature measurement with carbon nanotube nanothermometers. <i>Nanotechnology</i> , 2006, 17, 3681-3684.	2.6	19
110	Observation of split defect-bound excitons in twisted WSe <sub>2</sub> /WSe <sub>2</sub> homostructure. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	18
111	Valley-polarized local excitons in WSe <sub>2</sub> /WS <sub>2</sub> vertical heterostructures. <i>Optics Express</i> , 2020, 28, 22135.	3.4	18
112	Predictable and controllable dual-phase interfaces in TiO <sub>2</sub> (B)/anatase nanofibers. <i>Nanoscale</i> , 2014, 6, 14237-14243.	5.6	17
113	Synthesis of Mesoporous Transition-Metal Phosphates by Polymeric Micelle Assembly. <i>Chemistry - A European Journal</i> , 2016, 22, 7463-7467.	3.3	17
114	Nanostructured AlCoCrCu <sub>0.5</sub> FeNi high entropy oxide (HEO) thin films fabricated using reactive magnetron sputtering. <i>Applied Surface Science</i> , 2021, 553, 149491.	6.1	17
115	Observation of double indirect interlayer exciton in MoSe <sub>2</sub> /WSe <sub>2</sub> heterostructure. <i>Nano Research</i> , 2022, 15, 2661-2666.	10.4	17
116	Atomic Mechanism of Predictable Phase Transition in Dual-Phase H <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> /TiO <sub>2</sub> (B) Nanofiber: An In Situ Heating TEM Investigation. <i>Chemistry - A European Journal</i> , 2014, 20, 11313-11317.	3.3	16
117	Hierarchical Porous Li <sub>2</sub> Mg(NH) <sub>2</sub> @C Nanowires with Long Cycle Life Towards Stable Hydrogen Storage. <i>Scientific Reports</i> , 2014, 4, 6599.	3.3	16
118	Modelling and sequential simulation of multi-tubular metallic membrane and techno-economics of a hydrogen production process employing thin-layer membrane reactor. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19081-19097.	7.1	16
119	In-situ synthesis of Ag nanoparticles by electron beam irradiation. <i>Materials Characterization</i> , 2015, 110, 1-4.	4.4	15
120	Controlled synthesis and characterization of 10Ånm thick Al <sub>2</sub> O <sub>3</sub> nanowires. <i>Materials Letters</i> , 2009, 63, 1016-1018.	2.6	14
121	Mesoporous TiO <sub>2</sub> /Zn <sub>2</sub> Ti <sub>3</sub> O <sub>8</sub> hybrid films synthesized by polymeric micelle assembly. <i>Chemical Communications</i> , 2015, 51, 14582-14585.	4.1	14
122	Vanadium doped Cd <sub>0.9</sub> Mn <sub>0.1</sub> Te crystal and its optical and electronic properties. <i>Journal of Crystal Growth</i> , 2017, 459, 124-128.	1.5	13
123	Fe <sub>3</sub> O <sub>4</sub> /rice husk-based macro-/mesoporous carbon bone nanocomposite as superior high-rate anode for lithium ion battery. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 27-34.	2.5	13
124	Synthesis of bismuth selenide nanoplates by solvothermal methods and its stacking optical properties. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	13
125	Dynamic Control of High-Range Photoresponsivity in a Graphene Nanoribbon Photodetector. <i>Nanoscale Research Letters</i> , 2020, 15, 124.	5.7	13
126	On the understanding of the microscopic origin of the properties of diluted magnetic semiconductors by atom probe tomography. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 935-943.	2.3	12



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127	Flame synthesis of carbon nanostructures on Ni-plated hardmetal substrates. <i>Nanoscale Research Letters</i> , 2011, 6, 331.	5.7	11
128	Structural characterization and high-temperature compressive creep of PTFE-based composites filled with inorganic nanoparticles. <i>Polymers for Advanced Technologies</i> , 2012, 23, 545-550.	3.2	11
129	A dual soft-template synthesis of hollow mesoporous silica spheres decorated with Pt nanoparticles as a CO oxidation catalyst. <i>RSC Advances</i> , 2015, 5, 97928-97933.	3.6	11
130	The crystallography of C-centred monoclinic to body-centred tetragonal polymorphic phase transformation in mixed-phase TiO <sub>2</sub> (B) and anatase nanocomposite. <i>Scripta Materialia</i> , 2016, 119, 27-32.	5.2	11
131	Single crystal forms induced diverse interface structures in TiO <sub>2</sub> (B)/anatase dual-phase nanocomposites. <i>CrystEngComm</i> , 2016, 18, 2089-2097.	2.6	11
132	Enhanced interlayer neutral excitons and trions in MoSe <sub>2</sub> /MoS <sub>2</sub> /MoSe <sub>2</sub> trilayer heterostructure. <i>Nano Research</i> , 2022, 15, 5640-5645.	10.4	11
133	Dynamic control of moiré potential in twisted WS <sub>2</sub> /WSe <sub>2</sub> heterostructures. <i>Nano Research</i> , 2022, 15, 7688-7694.	10.4	11
134	Rare-earth doped boron nitride nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 146, 189-192.	3.5	10
135	Thermo-analysis of nanocrystalline TiO <sub>2</sub> ceramics during the whole sintering process using differential scanning calorimetry. <i>Ceramics International</i> , 2010, 36, 827-829.	4.8	10
136	Calibrating the atomic balance by carbon nanoclusters. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	10
137	Direct observation of enhanced performance in suspended ReS <sub>2</sub> photodetectors. <i>Optics Express</i> , 2021, 29, 3567.	3.4	10
138	Heterogeneous nucleation of $\beta$ -type precipitates on nanoscale Zr-rich particles in a Mg-6Zn-0.5Cu-0.6Zr alloy. <i>Nanoscale Research Letters</i> , 2012, 7, 300.	5.7	8
139	On the morphology and crystallography of Hg <sub>5</sub> In <sub>2</sub> Te <sub>8</sub> precipitation in Hg <sub>3</sub> In <sub>2</sub> Te <sub>6</sub> . <i>Journal of Alloys and Compounds</i> , 2014, 601, 298-306.	5.5	8
140	Interpretation of the vacancy-ordering controlled growth morphology of Hg <sub>5</sub> In <sub>2</sub> Te <sub>8</sub> precipitates in Hg <sub>3</sub> In <sub>2</sub> Te <sub>6</sub> single crystals by TEM observation and crystallographic calculation. <i>Journal of Alloys and Compounds</i> , 2015, 622, 206-212.	5.5	8
141	Observation of Anomalous Resistance Behavior in Bilayer Graphene. <i>Nanoscale Research Letters</i> , 2017, 12, 48.	5.7	8
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