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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100 papers	2,530 citations	30 h-index	45 g-index
107 ext. papers	2,917 ext. citations	6.3 avg, IF	5.02 L-index

#	Paper	IF	Citations
100	Direct TEM observations of growth mechanisms of two-dimensional MoS <sub>2</sub> flakes. <i>Nature Communications</i> , <b>2016</b> , 7, 12206	17.4	147
99	One-pot synthesis of Fe <sub>2</sub> O <sub>3</sub> nanoplates-reduced graphene oxide composites for supercapacitor application. <i>Chemical Engineering Journal</i> , <b>2016</b> , 286, 165-173	14.7	137
98	Highly sensitive humidity sensor based on amorphous Al <sub>2</sub> O <sub>3</sub> nanotubes. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1907-1912		111
97	One-pot synthesis of MnS/nitrogen-doped reduced graphene oxide hybrid for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 557-566	6.7	96
96	Microwave-assisted polyol synthesis of nanoscale SnS <sub>x</sub> (x=1, 2) flakes. <i>Journal of Crystal Growth</i> , <b>2004</b> , 260, 469-474	1.6	81
95	Ultrasonic-Assisted Synthesis of Colloidal Mn <sub>3</sub> O <sub>4</sub> Nanoparticles at Normal Temperature and Pressure. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 1757-1760	3.5	71
94	Tetra-heteroatom self-doped carbon nanosheets derived from silkworm excrement for high-performance supercapacitors. <i>Journal of Power Sources</i> , <b>2018</b> , 379, 74-83	8.9	69
93	Preparation of Mn <sub>2</sub> O <sub>3</sub> and MnO from thermal decomposition of MnCO <sub>3</sub> and control of morphology. <i>Materials Letters</i> , <b>2006</b> , 60, 53-56	3.3	67
92	Photoflexoelectric effect in halide perovskites. <i>Nature Materials</i> , <b>2020</b> , 19, 605-609	27	64
91	Commercial Dacron cloth supported Cu(OH) <sub>2</sub> nanobelt arrays for wearable supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14781-14788	13	62
90	Self-assembled ZnO 3D flowerlike nanostructures. <i>Materials Letters</i> , <b>2006</b> , 60, 2530-2533	3.3	58
89	From weed to multi-heteroatom-doped honeycomb-like porous carbon for advanced supercapacitors: A gelatinization-controlled one-step carbonization. <i>Journal of Power Sources</i> , <b>2018</b> , 402, 203-212	8.9	56
88	Nickel formate induced high-level in situ Ni-doping of g-C <sub>3</sub> N <sub>4</sub> for a tunable band structure and enhanced photocatalytic performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22385-22397	13	54
87	Spinel Indium Sulfide Precursor for the Phase-Selective Synthesis of CuInS Nanocrystals with Zinc-Blende, Wurtzite, and Spinel Structures. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 2991-2997	9.6	52
86	Direct growth of nickel terephthalate on Ni foam with large mass-loading for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19323-19332	13	48
85	General synthesis of rare-earth orthochromites with quasi-hollow nanostructures and their magnetic properties. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11982	13	47
84	Bias-switchable negative and positive photoconductivity in 2D FePS ultraviolet photodetectors. <i>Nanotechnology</i> , <b>2018</b> , 29, 244001	3.4	45

83	Porous ZnAl <sub>2</sub> O <sub>4</sub> spinel nanorods: High sensitivity humidity sensors. <i>Ceramics International</i> , <b>2013</b> , 39, 7379-7386	5.1	42
82	Preparation of aligned MnV <sub>2</sub> O <sub>6</sub> nanorods and their anodic performance for lithium secondary battery use. <i>Nanotechnology</i> , <b>2007</b> , 18, 175605	3.4	42
81	CTAB-assisted hydrothermal synthesis of Ag/C nanostructures. <i>Nanotechnology</i> , <b>2006</b> , 17, 3008-3011	3.4	42
80	Solvothermal Synthesis of Metastable $\beta$ MnS Hollow Spheres and Control of Their Phase. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 4124-4128	2.3	41
79	Synthesis of MnWO <sub>4</sub> nanofibres by a surfactant-assisted complexation-precipitation approach and control of morphology. <i>Nanotechnology</i> , <b>2005</b> , 16, 2407-11	3.4	41
78	BaAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> Nanotube Synthesis by Heating Conversion of Homogeneous Coprecipitates and Afterglow Characteristics. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 1708-1713	3.8	40
77	Long-persistent phosphorescent SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> nanotubes. <i>Chemical Communications</i> , <b>2009</b> , 944-65.8	39	
76	Conversion of biomass waste to multi-heteroatom-doped carbon networks with high surface area and hierarchical porosity for advanced supercapacitors. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 14536-14547	4.3	33
75	Preparation of Mn <sub>2</sub> SnO <sub>4</sub> nanoparticles as the anode material for lithium secondary battery. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 393-397	5.1	33
74	Surface state controlled ultrahigh selectivity and sensitivity for UV photodetectors based on individual SnO <sub>2</sub> nanowires. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8399-8406	7.1	32
73	Disorder-induced Raman scattering effects in one-dimensional ZnO nanostructures by incorporation and anisotropic distribution of Dy and Li codopants. <i>Journal of Raman Spectroscopy</i> , <b>2010</b> , 41, 1221-1226	2.3	32
72	Power- and energy-dependent photoluminescence of Eu <sup>3+</sup> incorporated and segregated ZnO polycrystalline nanobelts synthesized by a facile combustion method followed by heat treatment. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7821		30
71	Synthesis and morphological control of MnCO <sub>3</sub> and Mn(OH) <sub>2</sub> by a complex homogeneous precipitation method. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 113, 445-450	4.4	30
70	Individual Ohmic contacted ZnO/Zn <sub>2</sub> SnO <sub>4</sub> radial heterostructured nanowires as photodetectors with a broad-spectral-response: injection of electrons into/from interface states. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1808	7.1	28
69	Terephthalate-based cobalt hydroxide: a new electrode material for supercapacitors with ultrahigh capacitance. <i>Dalton Transactions</i> , <b>2018</b> , 47, 14958-14967	4.3	28
68	SrAl <sub>x</sub> O <sub>y</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> (x = 4) nanostructures: Structure and morphology transformations and long-lasting phosphorescence properties. <i>CrystEngComm</i> , <b>2011</b> , 13, 3545	3.3	27
67	PMMA interlayer-modulated memory effects by space charge polarization in resistive switching based on CuSCN-nanopyramids/ZnO-nanorods p-n heterojunction. <i>Scientific Reports</i> , <b>2015</b> , 5, 17859	4.9	26
66	Self-template formation and properties study of Cr <sub>2</sub> O <sub>3</sub> nanoparticle tubes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 1643-1651		26

65	Individual ZnO nanowires for photodetectors with wide response range from solar-blind ultraviolet to near-infrared modulated by bias voltage and illumination intensity. <i>Optics Express</i> , <b>2013</b> , 21, 29719-3033	3.3	26
64	Individual Zn <sub>2</sub> SnO <sub>4</sub> -sheathed ZnO heterostructure nanowires for efficient resistive switching memory controlled by interface states. <i>Scientific Reports</i> , <b>2013</b> , 3, 3249	4.9	24
63	Effects of interface states on photoexcited carriers in ZnO/Zn(2)SnO(4) type-II radial heterostructure nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4057-62	9.5	21
62	Preparation of manganese molybdate rods and hollow olive-like spheres. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 4737-4743	4.3	21
61	Controlled fabrication of SrMoO <sub>4</sub> hierarchical nanosheets in a surfactant-assisted nonaqueous system. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 601-608	5.1	20
60	Large flexoelectricity in Al <sub>2</sub> O <sub>3</sub> -doped Ba(Ti <sub>0.85</sub> Sn <sub>0.15</sub> )O <sub>3</sub> ceramics. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 192903	3.4	19
59	MOF-derived NiCo <sub>2</sub> S <sub>4</sub> @C as a separator modification material for high-performance lithium-sulfur batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 344, 135811	6.7	19
58	Solvothermal synthesis of MnSe uniform nanospheres and nanorods. <i>Materials Letters</i> , <b>2006</b> , 60, 1625-1628	5.3	19
57	A new low-temperature solution route to Aurivillius-type layered oxyfluoride perovskites Bi <sub>2</sub> MO <sub>5</sub> F (M = Nb, Ta) as photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 205, 112-120	21.8	18
56	A facile in situ reduction route for preparation of spinel CoCr <sub>2</sub> O <sub>4</sub> polycrystalline nanosheets and their magnetic properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 277-286	3.3	18
55	Novel detached system to MnCO <sub>3</sub> nanowires: A self-sacrificing template for homomorphous Mn <sub>3</sub> O <sub>4</sub> and Mn <sub>2</sub> O <sub>3</sub> nanostructures. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 125, 405-410	4.4	18
54	Space charge polarization-induced symmetrical negative resistive switching in individual p-type GeSe <sub>2</sub> :Bi superstructure nanobelts for non-volatile memory. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 5207-5213	7.1	17
53	Hierarchical BiF <sub>3</sub> /Bi <sub>2</sub> NbO <sub>5</sub> F Core/Shell Structure and Its Application in the Photosensitized Degradation of Rhodamine B under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 502-511	3.8	16
52	Modulation of surface trap induced resistive switching by electrode annealing in individual PbS micro/nanowire-based devices for resistance random access memory. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 20812-8	9.5	16
51	SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> nanobelts: Synthesis by combustion and properties of long-persistent phosphorescence. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 2311-2315	2.5	16
50	A Self-Sacrificing Template Route to Spinel MIIIn <sub>2</sub> S <sub>4</sub> (MII = Mn, Zn, Cd, Fe, Co, Ni) and MIIIn <sub>5</sub> S <sub>8</sub> (MI = Cu, Ag) Porous Microspheres. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 2406-2410	2.3	16
49	Bias-Controlled Tunable Electronic Transport with Memory Characteristics in an Individual ZnO Nanowire for Realization of a Self-Driven UV Photodetector with Two Symmetrical Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14932-14943	9.5	15
48	Light-Induced Anomalous Resistive Switches Based on Individual Organic/Inorganic Halide Perovskite Micro-/Nanofibers. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800206	6.4	15

47	Ordered Zinc Antimonate Nanoisland Attachment and Morphology Control of ZnO Nanobelts by Sb Doping. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9638-9643	3.8	15
46	A surface state-controlled, high-performance, self-powered photovoltaic detector based on an individual SnS nanorod with a symmetrical electrode structure. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9071-9080	7.1	15
45	Tunable hysteresis behaviour related to trap filling dependence of surface barrier in an individual CHNHPbI micro/nanowire. <i>Nanoscale</i> , <b>2019</b> , 11, 3360-3369	7.7	14
44	Controllable switching properties in an individual CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> micro/nanowire-based transistor for gate voltage and illumination dual-driving non-volatile memory. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4259-4266	7.1	14
43	Trapping states in CdS:Eu nanobelts studied by excitation-dependent photoluminescence. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 014309	2.5	14
42	Preparation of manganese indium sulfide urchins in aqueous solution-immiscible organic solvent. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 2325-2333	5.1	14
41	Erasable memory properties of spectral selectivity modulated by temperature and bias in an individual CdS nanobelt-based photodetector. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 138-147	10.8	13
40	Synthesis and magnetic properties of MNb <sub>2</sub> O <sub>6</sub> (M = Fe, Co, Ni) nanoparticles. <i>RSC Advances</i> , <b>2014</b> , 4, 52740-52748	3.7	12
39	Rewritable non-volatile stress information memory by bulk trap-induced giant piezoresistance effect in individual PbS micro/nanowires. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 229-237	7.1	11
38	The ferromagnetic-antiferromagnetic properties of Ni <sub>2</sub> Cr <sub>2</sub> O <sub>3</sub> composite hollow spheres prepared by an in situ reduction method. <i>CrystEngComm</i> , <b>2014</b> , 16, 1322-1333	3.3	11
37	Growth and lattice dynamics of single-crystalline SnO <sub>2</sub> nanowires prepared by annealing a gel precursor. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 129, 713-717	4.4	11
36	High electrical conductivity-induced enhancement effect of electrochemical performance in mesoporous NiCo <sub>2</sub> S <sub>4</sub> nanorod-based supercapacitor. <i>Journal of Energy Storage</i> , <b>2019</b> , 26, 100955	7.8	10
35	One-step synthesis of colloidal Mn <sub>3</sub> O <sub>4</sub> and Fe <sub>2</sub> O <sub>3</sub> nanoparticles at room temperature. <i>Journal of Nanoparticle Research</i> , <b>2007</b> , 9, 833-840	2.3	10
34	Oriented attachment growth of LaMn <sub>2</sub> O <sub>5</sub> +nanorods. <i>Materials Letters</i> , <b>2006</b> , 60, 1347-1349	3.3	10
33	Carbon-encapsulated CdSe quantum dot inorganic hybrid nanobelts for high performance photoelectronic devices based on the efficient separation and transfer of photoinduced holes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2471-2478	7.1	9
32	Fabrication of BiSI nanorod cluster films for enhanced photodetection performance. <i>Dalton Transactions</i> , <b>2018</b> , 47, 3408-3416	4.3	9
31	Trap-Related Nonvolatile Negative Photoconductivity in a Single Ag@Al <sub>2</sub> O <sub>3</sub> Hybrid Nanorod for a Photomemory with Light-Writing and Bias-Erasing. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901154	8.1	9
30	Preparation and magnetic and microwave absorption properties of MnNb <sub>2</sub> O <sub>6</sub> ellipsoid-like hierarchical structures. <i>CrystEngComm</i> , <b>2014</b> , 16, 7949-7955	3.3	9

29	Lattice variation and Raman spectroscopy in hierarchical heterostructures of zinc antimonate nanoislands on ZnO nanobelts. <i>Nanotechnology</i> , <b>2010</b> , 21, 025704	3.4	9
28	Enhanced Giant Piezoresistance Performance of Sandwiched ZnS/Si/SiO Radial Heterostructure Nanotubes for Nonvolatile Stress Memory with Repeatable Writing and Erasing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 34648-34658	9.5	8
27	A Hierarchically Porous Hollow Structure of Layered Bi <sub>2</sub> TiO <sub>4</sub> F <sub>2</sub> for Efficient Photocatalysis. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 1892-1899	2.3	7
26	Gate-Free Controlled Multibit Memories Based on Individual ZnO:In Micro/Nanowire Back-to-Back Diodes. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500395	6.4	7
25	Reversible Negative Resistive Switching in an Individual Fe@AlO Hybrid Nanotube for Nonvolatile Memory. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19002-19009	9.5	7
24	Ultrahigh performance negative thermal-resistance switching based on individual ZnO:K, Cl micro/nanowires for multibit nonvolatile resistance random access memory dual-written/erased repeatedly by temperature or bias. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 12220-12229	7.1	7
23	Fabrication of hollow-sphere films of wurtzite CuInS <sub>2</sub> on copper substrate. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 143, 195-202	4.4	6
22	Solution Growth of BiSI Nanorod Arrays on a Tungsten Substrate for Solar Cell Application. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 13488-13496	8.3	6
21	Enhanced visible light catalysis activity of CdS-sheathed SrAlO:Eu,Dy nanocomposites. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7941-7948	4.3	6
20	Phase-controlled growth of nickel hydroxide nanostructures on nickel foam for enhanced supercapacitor performance. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103171	7.8	6
19	Isomorphous Substitution Synthesis and Photoelectric Properties of Spinel AgInSnS <sub>4</sub> Nanosheets. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 9713-9720	9.6	5
18	A novel approach to prepare a tissue engineering decellularized valve scaffold with poly(ethylene glycol)/Poly(E-caprolactone). <i>RSC Advances</i> , <b>2016</b> , 6, 14427-14438	3.7	5
17	Preparation of quinary CuNi Zn <sub>2</sub> InS <sub>4</sub> nanocrystals with wurtzite structure and tunable band gap. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 820, 153436	5.7	4
16	Ultrahigh stress response and storage properties in a single CdS nanobelt-based flexible device for an erasable nonvolatile stress sensing and memory effect. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 7654-7663	7.4	3
15	Silkworm Excrement Derived In-situ Co-doped Nanoporous Carbon as Confining Sulfur Host for Lithium Sulfur Batteries. <i>ChemistrySelect</i> , <b>2019</b> , 4, 5678-5685	1.8	3
14	Back-to-back Interface diodes induced symmetrical negative differential resistance and reversible bipolar resistive switching in ECuSCN trigonal pyramid micro/nanoarray. <i>Applied Surface Science</i> , <b>2019</b> , 480, 13-25	6.7	3
13	BiSI nanorods: a new candidate for photothermal therapy in the first and second biological near-infrared windows. <i>Nanoscale</i> , <b>2021</b> , 13, 5369-5382	7.7	3
12	An individual sandwich hybrid nanostructure of cobalt disulfide in-situ grown on N doped carbon layer wrapped on multi-walled carbon nanotubes for high-efficiency lithium sulfur batteries. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> ,	9.3	2

11	Pore regulation of well-developed honeycomb-like carbon materials from <i>Zizania latifolia</i> for supercapacitors. <i>Journal of Energy Storage</i> , <b>2022</b> , 52, 104910	7.8	2
10	A novel fluffy nanostructured 3D network of Ni(C <sub>7</sub> H <sub>4</sub> O <sub>5</sub> ) for supercapacitors. <i>Electrochimica Acta</i> , <b>2017</b> , 230, 141-150	6.7	1
9	Wurtzite CuNiInS Nanocrystals: A Quaternary Chalcogenide Magnetic Semiconductor. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15283-15290	5.1	1
8	Enhanced orange emission of ZnS/SiO <sub>x</sub> core/shell heterostructure nanospheres synthesized via a facile one-step thermal evaporation method. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 614, 60-62	5.7	1
7	Revealing the synergistic mechanism of multiply nanostructured VO hollow nanospheres integrated with doped N, Ni heteroatoms, in-situ grown carbon nanotubes and coated carbon nanolayers for the enhancement of lithium-sulfur batteries.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 612, 760-771	9.3	1
6	Self-supported electrode based on two-dimensional NiPS for supercapacitor application.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 616, 401-412	9.3	1
5	Unique multi-hierarchical Z-scheme heterojunction of branching SnIn <sub>4</sub> S <sub>8</sub> nanosheets on ZnIn <sub>2</sub> S <sub>4</sub> nanopetals for boosted photocatalytic performance. <i>Separation and Purification Technology</i> , <b>2022</b> , 121267	8.3	0
4	Spatially distributed Z-scheme heterojunction of g-C <sub>3</sub> N <sub>4</sub> /SnIn <sub>4</sub> S <sub>8</sub> for enhanced photocatalytic hydrogen production and pollutant degradation. <i>Applied Surface Science</i> , <b>2022</b> , 598, 153870	6.7	0
3	Hydrothermal growth of ferrous hydroxide terephthalate as a new positive electrode material for supercapacitors. <i>Dalton Transactions</i> , <b>2018</b> , 47, 12056-12060	4.3	
2	Growth of tin dioxide nanobelts via Au-catalytic VLS process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 4567-70	1.3	
1	Giant Piezoresistive Effect of CdS@C Hybrid Nanobelts for Volatile Real-Time Sensor and Erasable Nonvolatile Memory to Stress. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 22785-22795	9.5	