

# Xijin Xu

## List of Publications by Year in Descending Order

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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.

126  
papers

5,021  
citations

41  
h-index

67  
g-index

130  
ext. papers

6,293  
ext. citations

7.7  
avg, IF

6.35  
L-index

#	Paper	IF	Citations
126	An electrochemical activation strategy boosted alkaline Zinc-ion battery with Ultra-high energy density.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 615, 293-301	9.3	0
125	Synthesis of multishelled SnOx/Co3O4 amorphous/crystalline heterophase with galvanic replacement reaction for superior HCHO sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 350, 130876	8.5	4
124	Hierarchical multi-active component yolk-shell nanoreactors as highly active peroxymonosulfate activator for ciprofloxacin degradation. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 605, 766-778	9.3	10
123	Designing flexible asymmetric supercapacitor with high energy density by electrode engineering and charge matching mechanism. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132406	14.7	10
122	Ether-Water Hybrid Electrolyte Contributing to Excellent Mg Ion Storage in Layered Sodium Vanadate.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	3
121	Defect engineering in Co-doped Ni3S2 nanosheets as cathode for high-performance aqueous zinc ion battery. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 118, 190-198	9.1	1
120	Suppressing the P2 $\rightarrow$ O2 phase transformation and Na/vacancy ordering of high-voltage manganese-based P2-type cathode by cationic codoping. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 611, 752-752	9.3	1
119	Engineering interfacial coupling between 3D net-like Ni(VO) ultrathin nanosheets and MoS on carbon fiber cloth for boosting hydrogen evolution reaction.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 611, 336-345	9.3	0
118	Towards advanced aqueous zinc battery by exploiting synergistic effects between crystalline phosphide and amorphous phosphate. <i>Nanoscale</i> , <b>2021</b> , 13, 18586-18595	7.7	1
117	Rational construction of phosphate layer to optimize Cu-regulated Fe3O4 as anode material with promoted energy storage performance for rechargeable Ni-Fe batteries. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 108, 133-133	9.1	1
116	Metal-organic framework derived NiCoP hollow polyhedrons electrocatalyst for pH-universal hydrogen evolution reaction. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 119-124	8.1	23
115	Recent advances in the improvement of g-C3N4 based photocatalytic materials. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 13-20	8.1	43
114	Design of p-n homojunctions in metal-free carbon nitride photocatalyst for overall water splitting. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 501-509	11.3	28
113	Construction of cobalt nanoparticles decorated intertwined N-doped carbon nanotube clusters with dual active sites for highly effective 4-nitrophenol reduction. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 858, 158287	5.7	1
112	Why the hydrothermal fluorinated method can improve photocatalytic activity of carbon nitride. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 277-281	8.1	4
111	2D WS2 co-catalysts induce the growth of CdS and enhance the photocatalytic performance. <i>CrystEngComm</i> , <b>2021</b> , 23, 4451-4458	3.3	2
110	Cocatalysts from types, preparation to applications in the field of photocatalysis. <i>Nanoscale</i> , <b>2021</b> , 13, 10649-10667	7.7	11

109	Boosting the electrochemical properties of Fe-based anode by the formation multiphase nanocomposite for lithium-ion batteries. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 2169-2173	8.1	10
108	Design of Multilayered Porous Aluminum Nitride for Supercapacitor Applications. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 12628-12636	4.1	3
107	Constructing CuBi <sub>2</sub> O <sub>4</sub> /Ag <sub>3</sub> PO <sub>4</sub> Photocatalyst with Improved Photocatalytic Performance for the Degradation of Tetracycline under Visible-Light Irradiation. <i>ChemistrySelect</i> , <b>2021</b> , 6, 7062-7067	1.8	0
106	Hollow polyhedron structure of amorphous Ni-Co-S/Co(OH) <sub>2</sub> for high performance supercapacitors. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 2453-2458	8.1	13
105	Dopant and Defect Doubly Modified CeO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Nanosheets as 0D/2D Z-Scheme Heterojunctions for Photocatalytic Hydrogen Evolution: Experimental and Density Functional Theory Studies. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 11479-11492	8.3	3
104	Enhanced formaldehyde gas sensing performance of ternary CuBi <sub>2</sub> O <sub>4</sub> oxides through oxygen vacancy manipulation and surface platinum decoration. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 344, 130190	8.5	9
103	Improvement of nickel-cobalt-based supercapacitors energy storage performance by modification of elements. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 602, 712-720	9.3	8
102	A Mini Review of the Preparation and Photocatalytic Properties of Two-Dimensional Materials. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 582146	5	9
101	Moss-like nickel-cobalt phosphide nanostructures for highly flexible all-solid-state hybrid supercapacitors with excellent electrochemical performances. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100713	6.6	17
100	Hierarchically hollow structured NiCoS@NiS for high-performance flexible hybrid supercapacitors. <i>Nanoscale</i> , <b>2020</b> , 12, 4686-4694	7.7	46
99	ZIF-67 derived hollow Ni-Co-Se nano-polyhedrons for flexible hybrid supercapacitors with remarkable electrochemical performances. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 2007-2012	8.1	44
98	Dual-functional NiCo <sub>2</sub> S <sub>4</sub> polyhedral architecture with superior electrochemical performance for supercapacitors and lithium-ion batteries. <i>Science Bulletin</i> , <b>2020</b> , 65, 443-451	10.6	69
97	Nickel-cobalt double oxides with rich oxygen vacancies by B-doping for asymmetric supercapacitors with high energy densities. <i>Applied Surface Science</i> , <b>2020</b> , 512, 145621	6.7	17
96	Biocarbon based template synthesis of uniform lamellar MoS <sub>2</sub> nanoflowers with excellent energy storage performance in lithium-ion battery and supercapacitors. <i>Electrochimica Acta</i> , <b>2020</b> , 331, 135262	6.7	31
95	A new CoO/Co <sub>2</sub> B/rGO nanocomposite anode with large capacitive contribution for high-efficiency and durable lithium storage. <i>Applied Surface Science</i> , <b>2020</b> , 508, 144698	6.7	8
94	Modified CoN by B-doping for high-performance hybrid supercapacitors. <i>Nanoscale</i> , <b>2020</b> , 12, 18400-18408	7.8	10
93	Implanting FeCo/C nanocages with tunable electromagnetic parameters in anisotropic wood carbon aerogels for efficient microwave absorption. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 18863-18871	6.7	44
92	Design of nickel cobalt molybdate regulated by boronizing for high-performance supercapacitor applications. <i>Nanoscale</i> , <b>2020</b> , 12, 17849-17857	7.7	12

91	Synthesis of Z-scheme g-C <sub>3</sub> N <sub>4</sub> nanosheets/Ag <sub>3</sub> PO <sub>4</sub> photocatalysts with enhanced visible-light photocatalytic performance for the degradation of tetracycline and dye. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 71-76	8.1	49
90	Oxygen vacancy defects engineering on Ce-doped Fe <sub>2</sub> O <sub>3</sub> gas sensor for reducing gases. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 302, 127165	8.5	90
89	Is glutamate associated with fear extinction and cognitive behavior therapy outcome in OCD? A pilot study. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , <b>2020</b> , 270, 1003-1014	5.1	4
88	MOF-derived CoN/N-C@SiO <sub>2</sub> yolk-shell nanoreactor with dual active sites for highly efficient catalytic advanced oxidation processes. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122670	14.7	65
87	Highly sensitive and low working temperature detection of trace triethylamine based on TiO <sub>2</sub> nanoparticles decorated CuO nanosheets sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 301, 127019	8.5	38
86	A high energy-density P2-Na[NiCoMn]O cathode with mitigated P2-O2 transition for sodium-ion batteries. <i>Nanoscale</i> , <b>2019</b> , 11, 2787-2794	7.7	23
85	In situ growth of metallic Ag intercalated CoAl layered double hydroxides as efficient electrocatalysts for the oxygen reduction reaction in alkaline solutions. <i>Dalton Transactions</i> , <b>2019</b> , 48, 1084-1094	4.3	23
84	Mitigating the P2O2 phase transition of high-voltage P2-Na <sub>2/3</sub> [Ni <sub>1/3</sub> Mn <sub>2/3</sub> ]O <sub>2</sub> cathodes by cobalt gradient substitution for high-rate sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4705-4713	13	21
83	Preparation of Low-Dimensional Bismuth Tungstate (Bi <sub>2</sub> WO <sub>6</sub> ) Photocatalyst by Electrospinning. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2019</b> , 216, 1900035	1.6	5
82	Constructing electrostatic self-assembled 2D/2D ultra-thin ZnIn <sub>2</sub> S <sub>4</sub> /protonated g-C <sub>3</sub> N <sub>4</sub> heterojunctions for excellent photocatalytic performance under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 256, 117862	21.8	104
81	Nickel-cobalt based aqueous flexible solid state supercapacitors with high energy density by controllable surface modification. <i>Journal of Power Sources</i> , <b>2019</b> , 427, 56-61	8.9	45
80	3D Sulfur and Nitrogen Codoped Carbon Nanofiber Aerogels with Optimized Electronic Structure and Enlarged Interlayer Spacing Boost Potassium-Ion Storage. <i>Small</i> , <b>2019</b> , 15, e1900816	11	71
79	Controlled Synthesis of Hollow FeO Microspheres Assembled With Ionic Liquid for Enhanced Visible-Light Photocatalytic Activity. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 58	5	14
78	2D New Nonmetal Photocatalyst of Sulfur-Doped h-BN Nanosheets with High Photocatalytic Activity. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900062	4.6	34
77	Green Construction of an Oil-Water Separator at Room Temperature and Its Promotion to an Adsorption Membrane. <i>Langmuir</i> , <b>2019</b> , 35, 11071-11079	4	6
76	Constructing highly dispersed 0D Co <sub>3</sub> S <sub>4</sub> quantum dots/2D g-C <sub>3</sub> N <sub>4</sub> nanosheets nanocomposites for excellent photocatalytic performance. <i>Science Bulletin</i> , <b>2019</b> , 64, 1510-1517	10.6	35
75	Construction of ZnCo <sub>2</sub> S <sub>4</sub> @Ni(OH) <sub>2</sub> core-shell nanostructures for asymmetric supercapacitors with high energy densities. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2135-2141	6.8	25
74	Engineering of Z-scheme 2D/3D architectures with Ni(OH) <sub>2</sub> on 3D porous g-C <sub>3</sub> N <sub>4</sub> for efficiently photocatalytic H <sub>2</sub> evolution. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 258, 117997	21.8	104

73	High-rate and long-life lithium-ion batteries coupling surface-Al <sup>3+</sup> -enriched LiNi <sub>0.7</sub> Co <sub>0.15</sub> Mn <sub>0.15</sub> O <sub>2</sub> cathode with porous Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122057	14.7	13
72	Three-Dimensional Hierarchical g-CN Architectures Assembled by Ultrathin Self-Doped Nanosheets: Extremely Facile Hexamethylenetetramine Activation and Superior Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 2050-2059	9.5	81
71	Construction of hierarchical Co-Ni-S nanosheets as free-standing electrode for superior-performance asymmetric supercapacitors. <i>Applied Surface Science</i> , <b>2019</b> , 470, 792-799	6.7	17
70	Construction of Longan-like hybrid structures by anchoring nickel hydroxide on yolk-shell polypyrrole for asymmetric supercapacitors. <i>Nano Energy</i> , <b>2019</b> , 56, 207-215	17.1	91
69	A Carbon-Free Li <sub>2</sub> TiO <sub>3</sub> /Li <sub>2</sub> MTi <sub>3</sub> O <sub>8</sub> (M=Zn <sup>1/3</sup> Co <sup>2/3</sup> ) Nanocomposite as High-Rate and Long-Life Anode for Lithium-Ion Batteries. <i>Energy Technology</i> , <b>2019</b> , 7, 1800960	3.5	5
68	Uniform P doped Co-Ni-S nanostructures for asymmetric supercapacitors with ultra-high energy densities. <i>Nanoscale</i> , <b>2019</b> , 11, 688-697	7.7	47
67	Liquid Phase Exfoliation of MoS <sub>2</sub> Assisted by Formamide Solvothermal Treatment and Enhanced Electrocatalytic Activity Based on (H <sub>3</sub> Mo <sub>12</sub> O <sub>40</sub> P/MoS <sub>2</sub> ) <sub>n</sub> Multilayer Structure. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5227-5237	8.3	24
66	A stable layered P <sub>3</sub> /P <sub>2</sub> and spinel intergrowth nanocomposite as a long-life and high-rate cathode for sodium-ion batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 6671-6677	7.7	49
65	New 2D Carbon Nitride Organic Materials Synthesis with Huge-Application Prospects in CN Photocatalyst. <i>Small</i> , <b>2018</b> , 14, e1704138	11	38
64	Performance Improvements of Cobalt Oxide Cathodes for Rechargeable Lithium Batteries. <i>ChemBioEng Reviews</i> , <b>2018</b> , 5, 111-118	5.2	11
63	Ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets coupled with amorphous Cu-doped FeOOH nanoclusters as 2D/0D heterogeneous catalysts for water remediation. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1179-1190	7.1	131
62	Improving Li <sup>+</sup> Kinetics and Structural Stability of Nickel-Rich Layered Cathodes by Heterogeneous Inactive-Al <sup>3+</sup> Doping. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5653-5661	8.3	40
61	Hierarchical Ni-Co-S@Ni-W-O core-shell nanosheet arrays on nickel foam for high-performance asymmetric supercapacitors. <i>Nano Research</i> , <b>2018</b> , 11, 1415-1425	10	82
60	Hedgehog-inspired nanostructures for hydrogel-based all-solid-state hybrid supercapacitors with excellent flexibility and electrochemical performance. <i>Nanoscale</i> , <b>2018</b> , 10, 19004-19013	7.7	46
59	Enhanced Dye-Sensitized Solar Cell Efficiency by Insertion of a H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> Layer Between the Transparent Conductive Oxide Layer and the Compact TiO <sub>2</sub> Layer. <i>Science of Advanced Materials</i> , <b>2018</b> , 10, 867-871	2.3	3
58	Fabrication of Hierarchical ZnO@NiO Core-Shell Heterostructures for Improved Photocatalytic Performance. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 260	5	14
57	Construction of 3DOM Carbon Nitrides with Quasi-Honeycomb Structures for Efficient Photocatalytic H <sub>2</sub> Production. <i>ChemCatChem</i> , <b>2018</b> , 10, 5656-5664	5.2	15
56	Nickel/cobalt based materials for supercapacitors. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 1731-1740	8.1	50

55	New Properties of Two-Dimensional Materials: Highly Effective Thermal Catalytic Degradation Activity. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10133-10138	1.8	1
54	Metal-Free Graphitic Carbon Nitride Photocatalyst Goes Into Two-Dimensional Time. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 551	5	24
53	Multishell Precursors Facilitated Synthesis of Concentration-Gradient Nickel-Rich Cathodes for Long-Life and High-Rate Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24508-24515	9.5	22
52	Low-temperature solution synthesis of CuO/Cu <sub>2</sub> O nanostructures for enhanced photocatalytic activity with added H <sub>2</sub> O <sub>2</sub> : synergistic effect and mechanism insight. <i>RSC Advances</i> , <b>2017</b> , 7, 4329-4338	3.7	53
51	A 3D titanate aerogel with cellulose as the adsorption-aggregator for highly efficient water purification. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5813-5819	13	52
50	Fabrication of ZnO/ZnFe <sub>2</sub> O <sub>4</sub> hollow nanocages through metal organic frameworks route with enhanced gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 251, 27-33	8.5	90
49	One-pot hydrothermal synthesis of CdS decorated CuS microflower-like structures for enhanced photocatalytic properties. <i>Scientific Reports</i> , <b>2017</b> , 7, 3877	4.9	36
48	Cellulose Fibers Constructed Convenient Recyclable 3D Graphene-Formicary-like BiO Aerogels for the Selective Capture of Iodide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20554-20560	9.5	24
47	One-pot Synthesis of CdS Irregular Nanospheres Hybridized with Oxygen-Incorporated Defect-Rich MoS Ultrathin Nanosheets for Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23635-23646	9.5	151
46	Flexible and high energy density asymmetrical supercapacitors based on core/shell conducting polymer nanowires/manganese dioxide nanoflakes. <i>Nano Energy</i> , <b>2017</b> , 35, 242-250	17.1	189
45	Core-shell and concentration-gradient cathodes prepared via co-precipitation reaction for advanced lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4254-4279	13	136
44	Hierarchical flowerlike metal/metal oxide nanostructures derived from layered double hydroxides for catalysis and gas sensing. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23999-24010	13	32
43	Surface/Interfacial Structure and Chemistry of High-Energy Nickel-Rich Layered Oxide Cathodes: Advances and Perspectives. <i>Small</i> , <b>2017</b> , 13, 1701802	11	173
42	One-Step Synthesis of 3D Network-like Ni <sub>3</sub> Co <sub>1-x</sub> MoO <sub>4</sub> Porous Nanosheets for High Performance Battery-type Hybrid Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10139-10147	8.3	51
41	Endowing graphene with superior cation/anion co-purification and visible photocatalysis performances by in situ deposition of silver compounds. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20903-20910	13	10 <sup>2</sup>
40	Constructing the novel ultrafine amorphous iron oxyhydroxide/g-CN nanosheets heterojunctions for highly improved photocatalytic performance. <i>Scientific Reports</i> , <b>2017</b> , 7, 8686	4.9	45
39	Ultrathin and Porous Ni <sub>3</sub> S <sub>2</sub> /CoNi <sub>2</sub> S <sub>4</sub> 3D-Network Structure for Superhigh Energy Density Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700983	21.8	370
38	Stabilizing the Electrode/Electrolyte Interface of LiNiCoAlO through Tailoring Aluminum Distribution in Microspheres as Long-Life, High-Rate, and Safe Cathode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29643-29653	9.5	113

37	Hierarchical CuCo <sub>2</sub> O <sub>4</sub> @nickel-cobalt hydroxides core/shell nanoarchitectures for high-performance hybrid supercapacitors. <i>Science Bulletin</i> , <b>2017</b> , 62, 1122-1131	10.6	90
36	In-situ synthesis of amorphous silver silicate/carbonate composites for selective visible-light photocatalytic decomposition. <i>Scientific Reports</i> , <b>2017</b> , 7, 15001	4.9	28
35	Unexpected ultrafast and high adsorption capacity of oxygen vacancy-rich WO <sub>x</sub> /C nanowire networks for aqueous Pb <sup>2+</sup> and methylene blue removal. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15913-15922	13.3	118
34	Rice husks as a sustainable silica source for hierarchical flower-like metal silicate architectures assembled into ultrathin nanosheets for adsorption and catalysis. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 321, 92-102	12.8	114
33	MoO <sub>2</sub> nanoparticles grown on carbon fibers as anode materials for lithium-ion batteries. <i>Ceramics International</i> , <b>2017</b> , 43, 760-765	5.1	35
32	Enhanced Photovoltaic Properties of Dye Sensitized Solar Cells by Using Ag Nanowires@TiO <sub>2</sub> Composite Materials. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 8981-8986	1.3	1
31	NiCoDEBased Supercapacitor Nanomaterials. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	91
30	Facile synthesis of MoO <sub>2</sub> nanoparticles as high performance supercapacitor electrodes and photocatalysts. <i>Ceramics International</i> , <b>2016</b> , 42, 2198-2203	5.1	56
29	Hybrid 0D-2D Nanoheterostructures: In Situ Growth of Amorphous Silver Silicates Dots on g-CN Nanosheets for Full-Spectrum Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 35138-35149	9.5	100
28	Reduced interfacial recombination in dye-sensitized solar cells assisted with NiO:Eu(3+),Tb(3+) coated TiO <sub>2</sub> film. <i>Scientific Reports</i> , <b>2016</b> , 6, 31123	4.9	35
27	Hybrid nanostructures of TiO <sub>2</sub> nanorod array/Cu <sub>2</sub> O with a CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> interlayer for enhanced photocatalytic activity and photoelectrochemical performance. <i>RSC Advances</i> , <b>2016</b> , 6, 57695-57700	3.7	5
26	Ag nanoparticles anchored NiO/GO composites for enhanced capacitive performance. <i>Ceramics International</i> , <b>2016</b> , 42, 12644-12650	5.1	15
25	Improving the photovoltaic performance of dye sensitized solar cells based on a hierarchical structure with up/down converters. <i>RSC Advances</i> , <b>2016</b> , 6, 11880-11887	3.7	14
24	One-Step Solvothermal Method to Prepare Ag/Cu <sub>2</sub> O Composite With Enhanced Photocatalytic Properties. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 29	5	23
23	Formation of Fe <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> ball-in-ball hollow spheres as a high performance catalyst with enhanced catalytic performances. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1414-1422	13	211
22	Rare earth ion doped phosphors for dye-sensitized solar cells applications. <i>RSC Advances</i> , <b>2016</b> , 6, 17546-17559	3.7	39
21	Three-Dimensionally Porous NiCo <sub>2</sub> O <sub>4</sub> Nanoneedle Arrays for High Performance Supercapacitor. <i>Science of Advanced Materials</i> , <b>2016</b> , 8, 1298-1304	2.3	18
20	ZnO@CdS Core-Shell Heterostructures: Fabrication, Enhanced Photocatalytic, and Photoelectrochemical Performance. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 205	5	39

19	Morphology-controlled syntheses of $\beta$ -MnO <sub>2</sub> for electrochemical energy storage. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 15235-43	3.6	48
18	Synthesis of Zn-doped In <sub>2</sub> O <sub>3</sub> nano sphere architectures as a triethylamine gas sensor and photocatalytic properties. <i>RSC Advances</i> , <b>2016</b> , 6, 89847-89854	3.7	29
17	Effects of architectures and H <sub>2</sub> O <sub>2</sub> additions on the photocatalytic performance of hierarchical Cu <sub>2</sub> O nanostructures. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 8	5	30
16	One-pot synthesis of Zn-doped SnO <sub>2</sub> nanosheet-based hierarchical architectures as a glycol gas sensor and photocatalyst. <i>CrystEngComm</i> , <b>2015</b> , 17, 4394-4401	3.3	38
15	High-performance UV photodetectors and temperature-dependent photoluminescence of individual ZnO hexagonal-prism microwire. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 118, 1267-1271	2.6	8
14	Ultraviolet photodetector based on heterojunction of n-ZnO microwire/p-GaN film. <i>RSC Advances</i> , <b>2015</b> , 5, 908-912	3.7	22
13	Hyperpolarizability calculation and kinetic effect of impurities on LVP. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 137, 378-82	4.4	3
12	Interface morphology and DFT computation of L-valinium fumarate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 136 Pt B, 162-7	4.4	1
11	SnO <sub>2</sub> -Based Nanomaterials: Synthesis and Application in Lithium-Ion Batteries and Supercapacitors. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-15	3.2	35
10	Semiconductor Nanomaterials for Energy Conversion and Storage. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-2	3.2	1
9	Growth mechanism, electronic spectral investigation and molecular orbital studies of L-prolinium phosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 150, 470-5	4.4	
8	Enhanced Photocatalytic Activity of TiO <sub>2</sub> Nanorod Arrays Decorated with CdSe Using an Upconversion TiO <sub>2</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> Thin Film. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 659-663	3.9	34
7	Morphology-modulation of SnO <sub>2</sub> hierarchical architectures by Zn doping for glycol gas sensing and photocatalytic applications. <i>Scientific Reports</i> , <b>2015</b> , 5, 7874	4.9	92
6	Controlled assembly of Bi <sub>2</sub> S <sub>3</sub> architectures as Schottky diode, supercapacitor electrodes and highly efficient photocatalysts. <i>RSC Advances</i> , <b>2014</b> , 4, 41636-41641	3.7	42
5	Metal Oxide Heterostructures for Water Purification. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-2	3.2	2
4	Self-Assembly of Semiconductor Metal Oxide Nanostructures. <i>Journal of Nanomaterials</i> , <b>2013</b> , 2013, 1-2	3.2	2
3	Transient and stable electroluminescence properties of alternating-current biased organic light-emitting diodes. <i>Frontiers of Optoelectronics</i> , <b>2012</b> , 5, 279-283	2.8	
2	Anodic formation of anatase TiO <sub>2</sub> nanotubes with rod-formed walls for photocatalysis and field emitters. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 16371-6	3.6	23



- 1 Suppressed Dissolution and Enhanced Desolvation in Core-Shell  $\text{MoO}_3 @\text{TiO}_2$  Nanorods as a High-Rate and Long-Life Anode Material for Proton Batteries. *Advanced Energy Materials*, 2020, 10, 200157 21.8 5