

# Cheng-Yan 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.

204 papers	7,938 citations	49 h-index	81 g-index
215 ext. papers	9,140 ext. citations	7.5 avg, IF	6.31 L-index

#	Paper	IF	Citations
204	Bifunctional WC-Supported RuO <sub>2</sub> Nanoparticles for Robust Water Splitting in Acidic Media.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	9
203	Encapsulating atomic molybdenum into hierarchical nitrogen-doped carbon nanoboxes for efficient oxygen reduction.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 620, 67-76	9.3	2
202	Charge Transfer at the Hetero-Interface of WSe <sub>2</sub> /InSe Induces Efficient Doping to Achieve Multi-Functional Lateral Homo-Junctions. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2100584	6.4	1
201	Strain engineering of quasi-1D layered TiS <sub>3</sub> nanosheets toward giant anisotropic Raman and piezoresistance responses. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 201903	3.4	1
200	2D Indium Phosphorus Sulfide (In P S): An Emerging van der Waals High-k Dielectrics. <i>Small</i> , <b>2021</b> , e2104401	11.1	2
199	Data mining and design of electromagnetic properties of Co/FeSi filled coatings based on genetic algorithms optimized artificial neural networks (GA-ANN). <i>Composites Part B: Engineering</i> , <b>2021</b> , 226, 109383	10	1
198	Lowering the Contact Barriers of 2D Organic F CuPc Field-Effect Transistors by Introducing Van der Waals Contacts. <i>Small</i> , <b>2021</b> , 17, e2007739	11	2
197	Topotactic Growth of Free-Standing Two-Dimensional Perovskite Niobates with Low Symmetry Phase. <i>Nano Letters</i> , <b>2021</b> , 21, 4700-4707	11.5	3
196	High-Performance van der Waals Metal-Insulator-Semiconductor Photodetector Optimized with Valence Band Matching. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104359	15.6	15
195	Tailoring the Energy Funneling across the Interface in InSe/MoS <sub>2</sub> Heterostructures by Electrostatic Gating and Strain Engineering. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100438	8.1	3
194	Electrochemical Intercalation in Atomically Thin van der Waals Materials for Structural Phase Transition and Device Applications. <i>Advanced Materials</i> , <b>2021</b> , 33, e2000581	24	4
193	Phase-Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 263-271	3.6	3
192	Tiny 2D silicon quantum sheets: a brain photonic nanoagent for orthotopic glioma theranostics. <i>Science Bulletin</i> , <b>2021</b> , 66, 147-157	10.6	6
191	Phase-Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 259-267	16.4	30
190	Mechanistic insights into interfaces and nitrogen vacancies in cobalt hydroxide/tungsten nitride catalysts to enhance alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 11323-11330	13	6
189	2D-1D mixed-dimensional heterostructures: progress, device applications and perspectives. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1.8	1
188	Mechanical Anisotropy in Two-Dimensional Selenium Atomic Layers. <i>Nano Letters</i> , <b>2021</b> , 21, 8043-8050	11.5	3

187	In-situ growth of CNTs encapsulating P-doped NiSe <sub>2</sub> nanoparticles on carbon framework as efficient bifunctional electrocatalyst for overall water splitting. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 60, 111-120	12	10
186	Van der Waals heterostructures with one-dimensional atomic crystals. <i>Progress in Materials Science</i> , <b>2021</b> , 122, 100856	42.2	12
185	Nitrogen-doped graphite encapsulating RuCo nanoparticles toward high-activity catalysis of water oxidation and reduction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 422, 130077	14.7	5
184	Atomically dispersed Ni <sup>II</sup> species and Ni nanoparticles constructing N-doped porous carbon fibers for accelerating hydrogen evolution. <i>Carbon</i> , <b>2021</b> , 185, 96-104	10.4	3
183	Layered potassium vanadate K <sub>2</sub> V <sub>6</sub> O <sub>16</sub> nanowires: A stable and high capacity cathode material for calcium-ion batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 479, 228793	8.9	7
182	Sulfur vacancies promoting Fe-doped Ni <sub>3</sub> S <sub>2</sub> nanopyramid arrays as efficient bifunctional electrocatalysts for overall water splitting. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 3326-3333	5.8	20
181	Highly reversible oxygen redox in layered compounds enabled by surface polyanions. <i>Nature Communications</i> , <b>2020</b> , 11, 3411	17.4	25
180	Boosting the rate and cycling performance of Li <sub>2</sub> V <sub>2</sub> O <sub>5</sub> nanorods for Li ion battery by electrode surface decoration. <i>Applied Surface Science</i> , <b>2020</b> , 512, 145622	6.7	2
179	Reviving reversible anion redox in 3d-transition-metal Li rich oxides by introducing surface defects. <i>Nano Energy</i> , <b>2020</b> , 71, 104644	17.1	13
178	Sandwich-like cobalt/reduced graphene oxide/cobalt composite structure presenting synergetic electromagnetic loss effect. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 561, 687-695	9.3	12
177	Dehydration-triggered electronic structure modulation enables high-performance quasi-solid-state Li-ion capacitors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 392, 123795	14.7	2
176	Designing Co <sub>7</sub> Fe <sub>3</sub> @TiO <sub>2</sub> Core/Shell Nanospheres for Electromagnetic Wave Absorption in S and C Bands. <i>Electronic Materials Letters</i> , <b>2020</b> , 16, 413-423	2.9	6
175	Pseudocapacitive Crystalline MnCoO and Amorphous MnCoS Core/Shell Heterostructure with Graphene for High-Performance K-Ion Hybrid Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54773-54781	9.5	14
174	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. <i>ACS Nano</i> , <b>2020</b> , 14, 10018-10026	16.7	22
173	Few-layer WSe <sub>2</sub> lateral homo- and hetero-junctions with superior optoelectronic performance by laser manufacturing. <i>Science China Technological Sciences</i> , <b>2020</b> , 63, 1531-1537	3.5	3
172	Charge Transport Behavior and Ultrasensitive Photoresponse Performance of Exfoliated F16CuPc Nanoflakes. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901097	8.1	2
171	Nano oxide intermediate layer assisted room temperature sintering of ink-jet printed silver nanoparticles pattern. <i>Nanotechnology</i> , <b>2019</b> , 30, 495302	3.4	3
170	Electrophoretically Deposited -Phenylene Diamine Reduced Graphene Oxide Ultrathin Film on LiNiMnO Cathode to Improve the Cycle Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35667-35674	9.5	9

169	Ultrathin Graphitic Carbon Coated Molybdenum Phosphide as Noble-Metal-Free Electrocatalyst for Hydrogen Evolution. <i>ChemistrySelect</i> , <b>2019</b> , 4, 846-852	1.8	2
168	PEGylated rhenium nanoclusters: a degradable metal photothermal nanoagent for cancer therapy. <i>Chemical Science</i> , <b>2019</b> , 10, 5435-5443	9.4	31
167	Nitrogen-doped carbon nanotubes/reduced graphene oxide nanosheet hybrids towards enhanced cathodic oxygen reduction and power generation of microbial fuel cells. <i>Nano Energy</i> , <b>2019</b> , 61, 533-539	17.1	38
166	Hierarchical Heterostructured Mo <sub>2</sub> C/Mo <sub>3</sub> Co <sub>3</sub> C Bouquet-like Nanowire Arrays: An Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7294-7303	8.3	28
165	Dual conductive surface engineering of Li-Rich oxides cathode for superior high-energy-density Li-Ion batteries. <i>Nano Energy</i> , <b>2019</b> , 59, 527-536	17.1	61
164	Yb- and Mn-Doped Lead-Free Double Perovskite CsAgBiX (X = Cl, Br) Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16855-16863	9.5	125
163	Ultrathin CoS nanosheets vertically aligned on N,S/rGO for low voltage electrolytic water in alkaline media. <i>Scientific Reports</i> , <b>2019</b> , 9, 1951	4.9	25
162	Thermal-induced interlayer defect engineering toward super high-performance sodium ion capacitors. <i>Nano Energy</i> , <b>2019</b> , 59, 17-25	17.1	26
161	PEGylated Tantalum Nanoparticles: A Metallic Photoacoustic Contrast Agent for Multiwavelength Imaging of Tumors. <i>Small</i> , <b>2019</b> , 15, e1903596	11	13
160	Two-Dimensional van der Waals Materials with Aligned In-Plane Polarization and Large Piezoelectric Effect for Self-Powered Piezoelectric Sensors. <i>Nano Letters</i> , <b>2019</b> , 19, 5410-5416	11.5	74
159	Metallic FePSe <sub>3</sub> nanoparticles anchored on N-doped carbon framework for All-pH hydrogen evolution reaction. <i>Nano Energy</i> , <b>2019</b> , 57, 222-229	17.1	87
158	Hybrid dual-channel phototransistor based on 1D t-Se and 2D ReS <sub>2</sub> mixed-dimensional heterostructures. <i>Nano Research</i> , <b>2019</b> , 12, 669-674	10	22
157	Salt-templated synthesis of Co <sub>9</sub> S <sub>8</sub> nanoparticles anchored on N, S co-doped carbon nanosheets towards high-performance water oxidation. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 835, 67-72	4.1	5
156	Construction of FeP Hollow Nanoparticles Densely Encapsulated in Carbon Nanosheet Frameworks for Efficient and Durable Electrocatalytic Hydrogen Production. <i>Advanced Science</i> , <b>2019</b> , 6, 1801490	13.6	44
155	In-situ growth of graphene decorated Ni <sub>3</sub> S <sub>2</sub> pyramids on Ni foam for high-performance overall water splitting. <i>Applied Surface Science</i> , <b>2019</b> , 465, 772-779	6.7	30
154	Liquid Exfoliation of Colloidal Rhenium Disulfide Nanosheets as a Multifunctional Theranostic Agent for In Vivo Photoacoustic/CT Imaging and Photothermal Therapy. <i>Small</i> , <b>2018</b> , 14, e1703789	11	45
153	Topochemical synthesis of ultrathin nanosheet-constructed Fe <sub>3</sub> O <sub>4</sub> hierarchical structures as high-performance anode for Li-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 7805-7810	2.1	4
152	Pseudocapacitance of TiO <sub>2</sub> /CNT Anodes for High-Performance Quasi-Solid-State Li-Ion and Na-Ion Capacitors. <i>Small</i> , <b>2018</b> , 14, e1704508	11	65

151	Rational Construction of Uniform CoNi-Based Core-Shell Microspheres with Tunable Electromagnetic Wave Absorption Properties. <i>Scientific Reports</i> , <b>2018</b> , 8, 3196	4.9	23
150	Unraveling the Raman Enhancement Mechanism on 1TQPhase ReS Nanosheets. <i>Small</i> , <b>2018</b> , 14, e1704079	4.9	56
149	Constructing yolk-shell MnO@C nanodiscs through a carbothermal reduction process for highly stable lithium storage. <i>Chemical Engineering Journal</i> , <b>2018</b> , 336, 427-435	14.7	38
148	Ultrasensitive tunability of the direct bandgap of 2D InSe flakes via strain engineering. <i>2D Materials</i> , <b>2018</b> , 5, 021002	5.9	53
147	Natural Humic-Acid-Based Phototheranostic Agent. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1701202	10.1	20
146	Effects of dopants on the adhesion and electronic structure of a SnO/Cu interface: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 15618-15625	3.6	6
145	Biocompatible Fe-TA coordination complex with high photothermal conversion efficiency for ablation of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 167, 183-190	6	30
144	Metallic and superhydrophilic nickel cobalt diselenide nanosheets electrodeposited on carbon cloth as a bifunctional electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17353-17360	13	70
143	Enhanced Light Emission from the Ridge of Two-Dimensional InSe Flakes. <i>Nano Letters</i> , <b>2018</b> , 18, 5078-5084	10.4	21
142	A Dual-Band Multilayer InSe Self-Powered Photodetector with High Performance Induced by Surface Plasmon Resonance and Asymmetric Schottky Junction. <i>ACS Nano</i> , <b>2018</b> , 12, 8739-8747	16.7	120
141	Encapsulating MnO nanoparticles within foam-like carbon nanosheet matrix for fast and durable lithium storage. <i>Nano Energy</i> , <b>2018</b> , 50, 675-684	17.1	69
140	Ferroelectric resistive switching behavior in two-dimensional materials/BiFeO hetero-junctions. <i>Nanoscale</i> , <b>2018</b> , 10, 23080-23086	7.7	15
139	Epitaxial Growth of 1D Atomic Chain Based Se Nanoplates on Monolayer ReS <sub>2</sub> for High-Performance Photodetectors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1806254	15.6	37
138	Carbon-coated CoFe-CoFeO composite particles with high and dual-band electromagnetic wave absorbing properties. <i>Nanotechnology</i> , <b>2018</b> , 29, 305604	3.4	29
137	Homogeneous surface oxidation and triangle patterning of monolayer MoS <sub>2</sub> by hydrogen peroxide. <i>Applied Surface Science</i> , <b>2018</b> , 452, 451-456	6.7	13
136	Photoluminescence inhomogeneity and excitons in CVD-grown monolayer WS <sub>2</sub> . <i>Optical Materials</i> , <b>2018</b> , 80, 203-208	3.3	9
135	NiSe <sub>2</sub> pyramids deposited on N-doped graphene encapsulated Ni foam for high-performance water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3981-3986	13	51
134	Design, Fabrication and Characterization of Pressure-Responsive Films Based on The Orientation Dependence of Plasmonic Properties of Ag@Au Nanoplates. <i>Scientific Reports</i> , <b>2017</b> , 7, 1676	4.9	3

133	Vertical aligned V <sub>2</sub> O <sub>5</sub> nanoneedle arrays grown on Ti substrate as binder-free cathode for lithium-ion batteries. <i>Ionics</i> , <b>2017</b> , 23, 2961-2967	2.7	4
132	Chemical Vapor Deposition Growth of Degenerate p-Type Mo-Doped ReS Films and Their Homojunction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15583-15591	9.5	26
131	van der Waals epitaxy of large-area continuous ReS <sub>2</sub> films on mica substrate. <i>RSC Advances</i> , <b>2017</b> , 7, 24188-24194	3.7	23
130	CoFe and CoFe@SiO Nanospheres with Tunable Diameters for High-Performance Electromagnetic Wave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21933-21941	9.5	86
129	Synthesis of Zn(II)-Doped Magnetite Leaf-Like Nanorings for Efficient Electromagnetic Wave Absorption. <i>Scientific Reports</i> , <b>2017</b> , 7, 45480	4.9	6
128	In-situ pressing synthesis of densely compacted carbon nanotubes reinforced nanocomposites with outstanding mechanical performance. <i>Composites Science and Technology</i> , <b>2017</b> , 146, 131-138	8.6	6
127	Sulfurizing-Induced Hollowing of CoS Microplates with Nanosheet Units for Highly Efficient Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11634-11641	9.5	103
126	Significantly Increased Raman Enhancement on MoX <sub>2</sub> (X = S, Se) Monolayers upon Phase Transition. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606694	15.6	114
125	Phase Transition Induced Synthesis of Layered/Spinel Heterostructure with Enhanced Electrochemical Properties. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604349	15.6	63
124	In Situ Growth of Sn-Doped Ni <sub>3</sub> S <sub>2</sub> Nanosheets on Ni Foam as High-Performance Electrocatalyst for Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , <b>2017</b> , 4, 594-600	4.3	48
123	Ca(II) doped E <sub>n</sub> S hierarchical structures for photocatalytic hydrogen generation and organic dye degradation under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 491, 230-237	9.3	40
122	Robust and Conductive Na <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> Nanowire Arrays for High-Performance Flexible Sodium-Ion Capacitor. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9133-9141	9.6	62
121	Controlled Growth of a Large-Size 2D Selenium Nanosheet and Its Electronic and Optoelectronic Applications. <i>ACS Nano</i> , <b>2017</b> , 11, 10222-10229	16.7	128
120	Photoresponse Enhancement in Monolayer ReS Phototransistor Decorated with CdSe-CdS-ZnS Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39456-39463	9.5	19
119	Understanding the phase transitions in spinel-layered-rock salt system: Criterion for the rational design of LLO/spinel nanocomposites. <i>Nano Energy</i> , <b>2017</b> , 40, 566-575	17.1	41
118	Hierarchical Mn <sub>3</sub> O <sub>4</sub> Microplates Composed of Stacking Porous Nanosheets for High-Performance Lithium Storage. <i>ChemElectroChem</i> , <b>2017</b> , 4, 2703-2708	4.3	7
117	Enhanced photocatalytic activity and photoelectrochemical performance of InOOH nanosheets prepared via a facile solvothermal route. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 1869-1876	2.1	3
116	Structural transformations in Li <sub>2</sub> MnSiO <sub>4</sub> : evidence that a Li intercalation material can reversibly cycle through a disordered phase. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16722-16731	13	20



115	Dopamine-Induced Formation of Ultrasmall Few-Layer MoS Homogeneously Embedded in N-Doped Carbon Framework for Enhanced Lithium-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33741-33748	9.5	39
114	Ternary Metal Phosphide with Triple-Layered Structure as a Low-Cost and Efficient Electrocatalyst for Bifunctional Water Splitting. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7644-7651	15.6	303
113	Thickness-controllable coating of SiO <sub>2</sub> on Co microspheres with tunable electromagnetic properties and enhanced oxidation resistance. <i>RSC Advances</i> , <b>2016</b> , 6, 107653-107658	3.7	7
112	In situ soft-chemistry synthesis of Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> nanorods as high-performance cathode for lithium-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 105833-105839	3.7	7
111	Solution-phase synthesis of In <sub>2</sub> Se <sub>3</sub> nanoparticles for highly efficient photocatalytic hydrogen generation under simulated sunlight irradiation. <i>RSC Advances</i> , <b>2016</b> , 6, 106671-106675	3.7	18
110	Solvothermal Synthesis of InOOH Nanospheres with Enhanced Photocatalytic Activity. <i>Bulletin of the Korean Chemical Society</i> , <b>2016</b> , 37, 522-528	1.2	8
109	Glucose-Derived Carbonaceous Nanospheres for Photoacoustic Imaging and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15904-10	9.5	52
108	Self-supported formation of hierarchical NiCo <sub>2</sub> O <sub>4</sub> tetragonal microtubes with enhanced electrochemical properties. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 862-866	35.4	358
107	Electric Field Tunable Interlayer Relaxation Process and Interlayer Coupling in WSe <sub>2</sub> /Graphene Heterostructures. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4319-4328	15.6	30
106	Tuning the Excitonic States in MoS <sub>2</sub> /Graphene van der Waals Heterostructures via Electrochemical Gating. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 293-302	15.6	44
105	Elastic properties of suspended black phosphorus nanosheets. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 013104	3.4	52
104	Chelate-induced formation of Li <sub>2</sub> MnSiO <sub>4</sub> nanorods as a high capacity cathode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9447-9454	13	27
103	Carbon-Coated Nickel Phosphide Nanosheets as Efficient Dual-Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27850-27858	9.5	94
102	Electrochemical behavior and structural stability of LiV <sub>3</sub> O <sub>8</sub> microrods as cathode for lithium-ion batteries. <i>Ceramics International</i> , <b>2016</b> , 42, 18747-18755	5.1	6
101	Self-standing flexible cathode of V <sub>2</sub> O <sub>5</sub> nanobelts with high cycling stability for lithium-ion batteries. <i>Ceramics International</i> , <b>2016</b> , 42, 14595-14600	5.1	15
100	Intrinsically Mn <sup>2+</sup> -Chelated Polydopamine Nanoparticles for Simultaneous Magnetic Resonance Imaging and Photothermal Ablation of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 16946-52	9.5	125
99	Low temperature electrochemical performance of Li V <sub>2</sub> O <sub>5</sub> cathode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 169, 440-446	6.7	23
98	Formation of Uniform Fe <sub>3</sub> O <sub>4</sub> Hollow Spheres Organized by Ultrathin Nanosheets and Their Excellent Lithium Storage Properties. <i>Advanced Materials</i> , <b>2015</b> , 27, 4097-101	24	346

97	Microwave absorption properties of FeSi flaky particles prepared via a ball-milling process. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 395, 152-158	2.8	32
96	Ternary SnS(2-x)Se(x) Alloys Nanosheets and Nanosheet Assemblies with Tunable Chemical Compositions and Band Gaps for Photodetector Applications. <i>Scientific Reports</i> , <b>2015</b> , 5, 17109	4.9	37
95	Hierarchical $\text{EMo}_2\text{C}$ Nanotubes Organized by Ultrathin Nanosheets as a Highly Efficient Electrocatalyst for Hydrogen Production. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15615-15619	3.6	105
94	Hierarchical $\text{EMo}_2\text{C}$ Nanotubes Organized by Ultrathin Nanosheets as a Highly Efficient Electrocatalyst for Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15395-9	16.4	485
93	Self-organized sheaf-like $\text{Fe}_3\text{O}_4/\text{C}$ hierarchical microrods with superior lithium storage properties. <i>Nanoscale</i> , <b>2015</b> , 7, 4411-4	7.7	49
92	Photodiode-like behavior and excellent photoresponse of vertical Si/monolayer $\text{MoS}_2$ heterostructures. <i>Scientific Reports</i> , <b>2014</b> , 4, 7186	4.9	120
91	Colloidal synthesis and formation mechanism of calcium molybdate notched microspheres. <i>CrystEngComm</i> , <b>2014</b> , 16, 2598	3.3	9
90	Hydrothermal synthesis, magnetic and electromagnetic properties of hexagonal $\text{Fe}_3\text{O}_4$ microplates. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 361, 161-165	2.8	12
89	One-pot synthesis of paramagnetic iron(III) hydroxide nanoplates and ferrimagnetic magnetite nanoparticles for the removal of arsenic ions. <i>Chemical Engineering Journal</i> , <b>2014</b> , 250, 409-415	14.7	18
88	Electrochemical Lithium Insertion Behavior of $\text{Li}_x\text{V}_2\text{O}_5(0$ . <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, A75-A83	3.9	14
87	Self-supported construction of 3D $\text{CdMoO}_4$ hierarchical structures from nanoplates with enhanced photocatalytic properties. <i>RSC Advances</i> , <b>2014</b> , 4, 38527-38534	3.7	7
86	Solvothermal synthesis of orthorhombic $\text{Sb}_2\text{WO}_6$ hierarchical structures and their visible-light-driven photocatalytic activity. <i>Dalton Transactions</i> , <b>2014</b> , 43, 8439-45	4.3	20
85	Synthesis of self-stacked $\text{CuFe}_2\text{O}_4/\text{Fe}_2\text{O}_3$ porous nanosheets as a high performance Li-ion battery anode. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19330-19337	13	16
84	Aqueous solution synthesis and photoluminescence properties of two-dimensional dendritic $\text{PbWO}_4$ nanostructures. <i>Materials Research Bulletin</i> , <b>2014</b> , 56, 1-7	5.1	5
83	Strong dual-frequency electromagnetic absorption in Ku-band of $\text{C@FeNi}_3$ core/shell structured microchains with negative permeability. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 349, 159-164	2.8	37
82	Synthesis of $\text{Bi}_2\text{WO}_6$ hierarchical structures constructed by porous nanoplates and their associated photocatalytic properties under visible light irradiation. <i>Ceramics International</i> , <b>2014</b> , 40, 11689-11698	5.1	31
81	Monodisperse $\text{SnS}_2$ nanosheets for high-performance photocatalytic hydrogen generation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22370-7	9.5	181
80	Topochemical synthesis and magnetic properties of $\text{BaFe}_{12}\text{O}_{19}$ nanorods using $\text{FeOOH}$ nanowires as templates. <i>Ceramics International</i> , <b>2014</b> , 40, 8593-8597	5.1	7



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78	Carrier control of MoS <sub>2</sub> nanoflakes by functional self-assembled monolayers. <i>ACS Nano</i> , <b>2013</b> , 7, 7795-8014	6.7	172
77	Work function modulation of bilayer MoS <sub>2</sub> nanoflake by backgate electric field effect. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 033122	3.4	30
76	Hydrothermal synthesis of well-dispersed LiMnPO <sub>4</sub> plates for lithium ion batteries cathode. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 303-308	6.7	53
75	Formation of CdMoO <sub>4</sub> porous hollow nanospheres via a self-assembly accompanied with Ostwald ripening process and their photocatalytic performance. <i>CrystEngComm</i> , <b>2013</b> , 15, 8014	3.3	37
74	Formation of tubular BaTiO <sub>3</sub> nanoparticle assembly through the Kirkendall effect using Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> nanowires as template. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 4565-4569	5.1	2
73	Co/SiO <sub>2</sub> composite particles with high electromagnetic wave absorbing performance and weather resistance. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 334, 111-118	2.8	15
72	High capacity and enhanced structural reversibility of Li <sub>1-x</sub> V <sub>2</sub> O <sub>5</sub> nanorods as the lithium battery cathode. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5361	13	25
71	Surface potential and interlayer screening effects of few-layer MoS <sub>2</sub> nanoflakes. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 143110	3.4	112
70	Solvothermal synthesis of Bi <sub>2</sub> WO <sub>6</sub> hollow structures with excellent visible-light photocatalytic properties. <i>Materials Letters</i> , <b>2013</b> , 95, 117-120	3.3	47
69	Molten salt synthesis of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> and Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> one-dimensional nanostructures and their photocatalytic and humidity sensing properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 3448	3.3	52
68	Mapping magnetic fields of Fe <sub>3</sub> O <sub>4</sub> nanosphere assemblies by electron holography. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17B528	2.5	7
67	Synthesis and electromagnetic properties of Fe/SiO <sub>2</sub> yolk/shell nanospheres with improved oxidation resistance. <i>Micro and Nano Letters</i> , <b>2013</b> , 8, 349-352	0.9	5
66	Superparamagnetic nickel ferrite colloidal spheres for constructing magnetically responsive photonic crystals. <i>Materials Letters</i> , <b>2012</b> , 81, 62-64	3.3	8
65	Shape-controlled synthesis of zinc phosphate nanostructures by an aqueous solution route at room temperature. <i>Materials Letters</i> , <b>2012</b> , 82, 26-28	3.3	19
64	Eu <sup>3+</sup> -doped CdMoO <sub>4</sub> red phosphor synthesized through an aqueous solution route at room temperature. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 529, 17-20	5.7	32
63	Synthesis of LiMnPO <sub>4</sub> microspheres assembled by plates, wedges and prisms with different crystallographic orientations and their electrochemical performance. <i>CrystEngComm</i> , <b>2012</b> , 14, 6412	3.3	29
62	Synthesis of hexagonal Fe microflakes with excellent microwave absorption performance. <i>CrystEngComm</i> , <b>2012</b> , 14, 6827	3.3	67

61	Preparation, microstructure, and electromagnetic properties of Al <sub>18</sub> B <sub>4</sub> O <sub>33</sub> w/CoxFeyBz composite powders. <i>Surface and Coatings Technology</i> , <b>2012</b> , 212, 14-19	4.4	1
60	Formation of FeMoO <sub>4</sub> hollow microspheres via a chemical conversion-induced Ostwald ripening process. <i>CrystEngComm</i> , <b>2012</b> , 14, 7025	3.3	30
59	Synthesis of lamellar niobic acid nanorods via proton-exchange and their conversion to T-Nb <sub>2</sub> O <sub>5</sub> nanorods. <i>Ceramics International</i> , <b>2012</b> , 38, 861-865	5.1	3
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57	Characterization of adiabatic shear bands in AM60B magnesium alloy under ballistic impact. <i>Materials Characterization</i> , <b>2011</b> , 62, 496-502	3.9	40
56	Synthesis of Fe <sub>3</sub> O <sub>4</sub> composite nanotubes with excellent microwave absorption performance. <i>CrystEngComm</i> , <b>2011</b> , 13, 6839	3.3	39
55	Synthesis of CoFe/Al <sub>2</sub> O <sub>3</sub> composite nanoparticles as the impedance matching layer of wideband multilayer absorber. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07A332	2.5	17
54	Synthesis and formation process of SrSO <sub>4</sub> sisal-like hierarchical structures at room temperature. <i>CrystEngComm</i> , <b>2011</b> , 13, 620-625	3.3	13
53	Single-crystal Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> nanorings formed by self-coiling of a nanobelt. <i>CrystEngComm</i> , <b>2011</b> , 13, 2674	3.3	6
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51	Synthesis, characterization and electromagnetic properties of Fe <sub>1-x</sub> Cox alloy flower-like microparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2011</b> , 323, 515-520	2.8	66
50	Microwave absorption properties of FeNi <sub>3</sub> submicrometre spheres and SiO <sub>2</sub> @FeNi <sub>3</sub> core-shell structures. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 245003	3	104
49	Large-scale synthesis of single-crystalline KNb <sub>3</sub> O <sub>8</sub> nanobelts via a simple molten salt method. <i>Ceramics International</i> , <b>2010</b> , 36, 679-682	5.1	22
48	Surfactant-free hydrothermal synthesis and characterization of single-crystal K <sub>2</sub> V <sub>8</sub> O <sub>21</sub> nanobelts. <i>Ceramics International</i> , <b>2010</b> , 36, 1825-1829	5.1	4
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45	Phase field simulation of spinodal decomposition under external magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 978-986	2.8	6
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41	XMCD study of Fe <sub>1-x</sub> Co <sub>x</sub> alloy under electron irradiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2010</b> , 180, 34-38	1.7	1
40	Permeability calculation in composite media with low filler concentration: A new method of effective media theory application. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A526	2.5	3
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38	Effects of proton irradiation on electronic structure of NdFeB permanent magnets. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2009</b> , 267, 3084-3086	1.2	6
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34	Electrical and microwave dielectric properties of K <sub>2</sub> Nb <sub>8</sub> O <sub>21</sub> microwires. <i>Ceramics International</i> , <b>2009</b> , 35, 3021-3025	5.1	10
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