

List of Publications by Citations

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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.

714
papers

67,982
citations

134
h-index

238
g-index

779
ext. papers

77,771
ext. citations

10.1
avg, IF

8.23
L-index

#	Paper	IF	Citations
714	Defect-rich MoS ₂ ultrathin nanosheets with additional active edge sites for enhanced electrocatalytic hydrogen evolution. <i>Advanced Materials</i> , 2013 , 25, 5807-13	24	2285
713	Controllable disorder engineering in oxygen-incorporated MoS ₂ ultrathin nanosheets for efficient hydrogen evolution. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17881-8	16.4	1750
712	Mixed transition-metal oxides: design, synthesis, and energy-related applications. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1488-504	16.4	1730
711	Enhanced photoresponsive ultrathin graphitic-phase C ₃ N ₄ nanosheets for bioimaging. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18-21	16.4	1608
710	Partially oxidized atomic cobalt layers for carbon dioxide electroreduction to liquid fuel. <i>Nature</i> , 2016 , 529, 68-71	50.4	1231
709	Vacancy associates promoting solar-driven photocatalytic activity of ultrathin bismuth oxychloride nanosheets. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10411-7	16.4	911
708	Oxygen vacancies confined in ultrathin indium oxide porous sheets for promoted visible-light water splitting. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6826-9	16.4	910
707	Metallic few-layered VS ₂ ultrathin nanosheets: high two-dimensional conductivity for in-plane supercapacitors. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17832-8	16.4	886
706	Ultrathin Spinel-Structured Nanosheets Rich in Oxygen Deficiencies for Enhanced Electrocatalytic Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7399-404	16.4	883
705	Single-Atom Pt as Co-Catalyst for Enhanced Photocatalytic H ₂ Evolution. <i>Advanced Materials</i> , 2016 , 28, 2427-31	24	865
704	Metallic nickel nitride nanosheets realizing enhanced electrochemical water oxidation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4119-25	16.4	844
703	Two dimensional nanomaterials for flexible supercapacitors. <i>Chemical Society Reviews</i> , 2014 , 43, 3303-23	38.5	827
702	Low overpotential in vacancy-rich ultrathin CoSe ₂ nanosheets for water oxidation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15670-5	16.4	783
701	Atomically Dispersed Iron-Nitrogen Species as Electrocatalysts for Bifunctional Oxygen Evolution and Reduction Reactions. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 610-614	16.4	759
700	Ultrathin two-dimensional MnO ₂ /graphene hybrid nanostructures for high-performance, flexible planar supercapacitors. <i>Nano Letters</i> , 2013 , 13, 2151-7	11.5	751
699	Ultrathin Black Phosphorus Nanosheets for Efficient Singlet Oxygen Generation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11376-82	16.4	715
698	Atomically-thin two-dimensional sheets for understanding active sites in catalysis. <i>Chemical Society Reviews</i> , 2015 , 44, 623-36	58.5	697

697	High-Performance Flexible Broadband Photodetector Based on Organolead Halide Perovskite. <i>Advanced Functional Materials</i> , 2014 , 24, 7373-7380	15.6	652
696	Metallic Co ₄ N Porous Nanowire Arrays Activated by Surface Oxidation as Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14710-4	16.4	576
695	Synthesis of hematite (alpha-Fe ₂ O ₃) nanorods: diameter-size and shape effects on their applications in magnetism, lithium ion battery, and gas sensors. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17806-12	3.4	566
694	Exclusive Ni-N Sites Realize Near-Unity CO Selectivity for Electrochemical CO Reduction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14889-14892	16.4	532
693	Defect-Mediated Electron-Hole Separation in One-Unit-Cell ZnInS Layers for Boosted Solar-Driven CO Reduction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7586-7594	16.4	498
692	Freestanding tin disulfide single-layers realizing efficient visible-light water splitting. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8727-31	16.4	471
691	Single-layered graphitic-C(3)N(4) quantum dots for two-photon fluorescence imaging of cellular nucleus. <i>Advanced Materials</i> , 2014 , 26, 4438-43	24	442
690	Selective visible-light-driven photocatalytic CO ₂ reduction to CH ₄ mediated by atomically thin CuIn ₅ S ₈ layers. <i>Nature Energy</i> , 2019 , 4, 690-699	62.3	428
689	Oxygen-Vacancy-Mediated Exciton Dissociation in BiOBr for Boosting Charge-Carrier-Involved Molecular Oxygen Activation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1760-1766	16.4	416
688	Metallic tin quantum sheets confined in graphene toward high-efficiency carbon dioxide electroreduction. <i>Nature Communications</i> , 2016 , 7, 12697	17.4	415
687	Fabrication of flexible and freestanding zinc chalcogenide single layers. <i>Nature Communications</i> , 2012 , 3, 1057	17.4	397
686	3D Nitrogen-Anion-Decorated Nickel Sulfides for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2017 , 29, 1701584	24	375
685	Highly Efficient and Exceptionally Durable CO Photoreduction to Methanol over Freestanding Defective Single-Unit-Cell Bismuth Vanadate Layers. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3438-3445	16.4	374
684	Atomically-thin molybdenum nitride nanosheets with exposed active surface sites for efficient hydrogen evolution. <i>Chemical Science</i> , 2014 , 5, 4615-4620	9.4	370
683	Synthesis of Bi ₂ WO ₆ Nanoplate-Built Hierarchical Nest-like Structures with Visible-Light-Induced Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12866-12871	3.8	349
682	Ultrathin Co ₃ O ₄ Layers Realizing Optimized CO ₂ Electroreduction to Formate. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 698-702	16.4	345
681	Recent advances in free-standing two-dimensional crystals with atomic thickness: design, assembly and transfer strategies. <i>Chemical Society Reviews</i> , 2013 , 42, 8187-99	58.5	342
680	Design of vanadium oxide structures with controllable electrical properties for energy applications. <i>Chemical Society Reviews</i> , 2013 , 42, 5157-83	58.5	335

679	Strong-Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2488-92	16.4	335
678	Giant moisture responsiveness of VS ₂ ultrathin nanosheets for novel touchless positioning interface. <i>Advanced Materials</i> , 2012 , 24, 1969-74	24	324
677	Low-temperature synthesis of alpha-MnO ₂ hollow urchins and their application in rechargeable Li+ batteries. <i>Inorganic Chemistry</i> , 2006 , 45, 6404-10	5.1	308
676	Biomolecule-assisted synthesis and electrochemical hydrogen storage of Bi ₂ S ₃ flowerlike patterns with well-aligned nanorods. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 8978-85	3.4	307
675	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Evolution: Cobalt Oxide Nanoparticles Strongly Coupled to B,N-Decorated Graphene. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7121-7125	16.4	306
674	Two-dimensional vanadyl phosphate ultrathin nanosheets for high energy density and flexible pseudocapacitors. <i>Nature Communications</i> , 2013 , 4, 2431	17.4	304
673	Ultrathin Spinel-Structured Nanosheets Rich in Oxygen Deficiencies for Enhanced Electrocatalytic Water Oxidation. <i>Angewandte Chemie</i> , 2015 , 127, 7507-7512	3.6	303
672	Novel Metastable Hexagonal MoO ₃ Nanobelts: Synthesis, Photochromic, and Electrochromic Properties. <i>Chemistry of Materials</i> , 2009 , 21, 5681-5690	9.6	298
671	Enhanced Photoexcited Carrier Separation in Oxygen-Doped ZnIn ₂ S ₄ Nanosheets for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6716-20	16.4	297
670	Selected-control synthesis of ZnO nanowires and nanorods via a PEG-assisted route. <i>Inorganic Chemistry</i> , 2003 , 42, 8105-9	5.1	296
669	Two-dimensional nanosheets for photoelectrochemical water splitting: Possibilities and opportunities. <i>Nano Today</i> , 2013 , 8, 598-618	17.9	292
668	Atomically-thin non-layered cobalt oxide porous sheets for highly efficient oxygen-evolving electrocatalysts. <i>Chemical Science</i> , 2014 , 5, 3976	9.4	288
667	Single Unit Cell Bismuth Tungstate Layers Realizing Robust Solar CO ₂ Reduction to Methanol. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13971-4	16.4	287
666	Atomic layer confined vacancies for atomic-level insights into carbon dioxide electroreduction. <i>Nature Communications</i> , 2017 , 8, 14503	17.4	283
665	Atomically-thick two-dimensional crystals: electronic structure regulation and energy device construction. <i>Chemical Society Reviews</i> , 2014 , 43, 530-46	58.5	281
664	Enhanced Singlet Oxygen Generation in Oxidized Graphitic Carbon Nitride for Organic Synthesis. <i>Advanced Materials</i> , 2016 , 28, 6940-5	24	279
663	Heterogeneous Spin States in Ultrathin Nanosheets Induce Subtle Lattice Distortion To Trigger Efficient Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5087-92	16.4	277
662	In ₂ O ₃ hollow microspheres: synthesis from designed In(OH) ₃ precursors and applications in gas sensors and photocatalysis. <i>Langmuir</i> , 2006 , 22, 9380-5	4	267

661	Pits confined in ultrathin cerium(IV) oxide for studying catalytic centers in carbon monoxide oxidation. <i>Nature Communications</i> , 2013 , 4, 2899	17.4	261
660	A zwitterionic gel electrolyte for efficient solid-state supercapacitors. <i>Nature Communications</i> , 2016 , 7, 11782	17.4	259
659	Efficient Visible-Light-Driven CO Reduction Mediated by Defect-Engineered BiOBr Atomic Layers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8719-8723	16.4	255
658	Metallic Nickel Hydroxide Nanosheets Give Superior Electrocatalytic Oxidation of Urea for Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12465-9	16.4	253
657	Photoelectrodes based upon Mo:BiVO ₄ inverse opals for photoelectrochemical water splitting. <i>ACS Nano</i> , 2014 , 8, 7088-98	16.7	252
656	Surface facet of palladium nanocrystals: a key parameter to the activation of molecular oxygen for organic catalysis and cancer treatment. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3200-7	16.4	247
655	Layer-by-layer Ni(OH) ₂ /graphene nanohybrids for ultraflexible all-solid-state thin-film supercapacitors with high electrochemical performance. <i>Nano Energy</i> , 2013 , 2, 65-74	17.1	246
654	Partially Oxidized SnS Atomic Layers Achieving Efficient Visible-Light-Driven CO Reduction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18044-18051	16.4	244
653	Atomically thick bismuth selenide freestanding single layers achieving enhanced thermoelectric energy harvesting. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20294-7	16.4	244
652	Co ₃ O ₄ nanocrystals on single-walled carbon nanotubes as a highly efficient oxygen-evolving catalyst. <i>Nano Research</i> , 2012 , 5, 521-530	10	244
651	Ultrahigh energy density realized by a single-layer NiCo(OH) ₂ all-solid-state asymmetric supercapacitor. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12789-93	16.4	243
650	Phase-Transformation Engineering in Cobalt Diselenide Realizing Enhanced Catalytic Activity for Hydrogen Evolution in an Alkaline Medium. <i>Advanced Materials</i> , 2016 , 28, 7527-32	24	241
649	Oxygen Vacancies Confined in Nickel Molybdenum Oxide Porous Nanosheets for Promoted Electrocatalytic Urea Oxidation. <i>ACS Catalysis</i> , 2018 , 8, 1-7	13.1	241
648	Transition Metal Nitrides for Electrocatalytic Energy Conversion: Opportunities and Challenges. <i>Chemistry - A European Journal</i> , 2016 , 22, 3588-98	4.8	240
647	Surface chemical-modification for engineering the intrinsic physical properties of inorganic two-dimensional nanomaterials. <i>Chemical Society Reviews</i> , 2015 , 44, 637-46	58.5	238
646	Intralayered Ostwald Ripening to Ultrathin Nanomesh Catalyst with Robust Oxygen-Evolving Performance. <i>Advanced Materials</i> , 2017 , 29, 1604765	24	237
645	Emerging natural and tailored materials for uranium-contaminated water treatment and environmental remediation. <i>Progress in Materials Science</i> , 2019 , 103, 180-234	42.2	229
644	Hydrogen-incorporated TiS ₂ ultrathin nanosheets with ultrahigh conductivity for stamp-transferrable electrodes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5144-51	16.4	228

- 643 Large-scale fabrication of TiO₂ hierarchical hollow spheres. *Inorganic Chemistry*, **2006**, 45, 3493-5 5.1 225
- 642 Ultrathin two-dimensional inorganic materials: new opportunities for solid state nanochemistry. *Accounts of Chemical Research*, **2015**, 48, 3-12 24.3 222
- 641 Hematite Hollow Spheres with a Mesoporous Shell: Controlled Synthesis and Applications in Gas Sensor and Lithium Ion Batteries. *Journal of Physical Chemistry C*, **2008**, 112, 11307-11313 3.8 222
- 640 Synthetic Bi₂O₂CO₃ nanostructures: Novel photocatalyst with controlled special surface exposed. *Journal of Molecular Catalysis A*, **2010**, 317, 34-40 221
- 639 Ultrathin Co₃S₄ nanosheets that synergistically engineer spin states and exposed polyhedra that promote water oxidation under neutral conditions. *Angewandte Chemie - International Edition*, **2015**, 54, 11231-5 16.4 219
- 638 Synthesis of carbon nitride nanotubes with the C(3)N(4) stoichiometry via a benzene-thermal process at low temperatures. *Chemical Communications*, **2004**, 26-7 5.8 219
- 637 Semimetallic molybdenum disulfide ultrathin nanosheets as an efficient electrocatalyst for hydrogen evolution. *Nanoscale*, **2014**, 6, 8359-67 7.7 216
- 636 Metallic Co₄N Porous Nanowire Arrays Activated by Surface Oxidation as Electrocatalysts for the Oxygen Evolution Reaction. *Angewandte Chemie*, **2015**, 127, 14923-14927 3.6 208
- 635 High-Temperature-Stable ₂ Core/Shell Supported Catalyst for CO Oxidation. *Journal of Physical Chemistry C*, **2008**, 112, 2244-2247 3.8 206
- 634 Surface Immobilization of Transition Metal Ions on Nitrogen-Doped Graphene Realizing High-Efficient and Selective CO Reduction. *Advanced Materials*, **2018**, 30, e1706617 24 199
- 633 High-performance flexible electrochromic device based on facile semiconductor-to-metal transition realized by WO₃·xH₂O ultrathin nanosheets. *Scientific Reports*, **2013**, 3, 1936 4.9 197
- 632 Ultrathin nanosheets of vanadium diselenide: a metallic two-dimensional material with ferromagnetic charge-density-wave behavior. *Angewandte Chemie - International Edition*, **2013**, 52, 10477-81 16.4 194
- 631 Efficient and Robust Carbon Dioxide Electroreduction Enabled by Atomically Dispersed Sn Sites. *Advanced Materials*, **2019**, 31, e1808135 24 194
- 630 Boosting Hot-Electron Generation: Exciton Dissociation at the Order-Disorder Interfaces in Polymeric Photocatalysts. *Journal of the American Chemical Society*, **2017**, 139, 2468-2473 16.4 193
- 629 Simultaneous In Situ Formation of ZnS Nanowires in a Liquid Crystal Template by Irradiation. *Chemistry of Materials*, **2001**, 13, 1213-1218 9.6 189
- 628 Engineering the electronic state of a perovskite electrocatalyst for synergistically enhanced oxygen evolution reaction. *Advanced Materials*, **2015**, 27, 5989-94 24 187
- 627 Synthesis of novel nanomaterials and their application in efficient removal of radionuclides. *Science China Chemistry*, **2019**, 62, 933-967 7.9 186
- 626 A Novel Solventothermal Synthetic Route to Nanocrystalline CdE (E = S, Se, Te) and Morphological Control. *Chemistry of Materials*, **1998**, 10, 2309-2312 9.6 182

625	Unraveling metal-insulator transition mechanism of VO ₂ triggered by tungsten doping. <i>Scientific Reports</i> , 2012 , 2, 466	4.9	180
624	General formation of complex tubular nanostructures of metal oxides for the oxygen reduction reaction and lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8643-7	16.4	179
623	Surfactant-free synthesis of hyperbranched monoclinic bismuth vanadate and its applications in photocatalysis, gas sensing, and lithium-ion batteries. <i>Chemistry - A European Journal</i> , 2008 , 14, 1601-6	4.8	179
622	Controllable Surface Reorganization Engineering on Cobalt Phosphide Nanowire Arrays for Efficient Alkaline Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2018 , 30, 1703322	24	177
621	Interfacial engineering of cobalt sulfide/graphene hybrids for highly efficient ammonia electrosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6635-6640	11.5	175
620	Regulating Water-Reduction Kinetics in Cobalt Phosphide for Enhancing HER Catalytic Activity in Alkaline Solution. <i>Advanced Materials</i> , 2017 , 29, 1606980	24	168
619	Giant Electron-Hole Interactions in Confined Layered Structures for Molecular Oxygen Activation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4737-4742	16.4	167
618	Ordered macroporous BiVO ₄ architectures with controllable dual porosity for efficient solar water splitting. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8579-83	16.4	167
617	In situ micelle-templated interface reaction route to CdS nanotubes and nanowires. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3712-3716		165
616	Optically Switchable Photocatalysis in Ultrathin Black Phosphorus Nanosheets. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3474-3480	16.4	163
615	Biomolecule-assisted synthesis and electrochemical hydrogen storage of porous spongelike Ni ₃ S ₂ nanostructures grown directly on nickel foils. <i>Chemistry - A European Journal</i> , 2006 , 12, 2337-42	4.8	162
614	Infrared Light-Driven CO ₂ Overall Splitting at Room Temperature. <i>Joule</i> , 2018 , 2, 1004-1016	27.8	160
613	Half-metallic ferromagnetism in synthetic Co ₉ Se ₈ nanosheets with atomic thickness. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11908-11	16.4	160
612	Regulating the Charge and Spin Ordering of Two-Dimensional Ultrathin Solids for Electrocatalytic Water Splitting. <i>CheM</i> , 2018 , 4, 1263-1283	16.2	158
611	High-purity pyrrole-type FeN ₄ sites as a superior oxygen reduction electrocatalyst. <i>Energy and Environmental Science</i> , 2020 , 13, 111-118	35.4	158
610	Promoting Active Species Generation by Electrochemical Activation in Alkaline Media for Efficient Electrocatalytic Oxygen Evolution in Neutral Media. <i>Nano Letters</i> , 2017 , 17, 578-583	11.5	157
609	Preparation and phase transformation of nanocrystalline copper sulfides (Cu ₉ S ₈ , Cu ₇ S ₄ and CuS) at low temperature. <i>Journal of Materials Chemistry</i> , 2000 , 10, 2193-2196		156
608	Enhanced Superoxide Generation on Defective Surfaces for Selective Photooxidation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3797-3801	16.4	156

607	Carbon Dioxide Electroreduction into Syngas Boosted by a Partially Delocalized Charge in Molybdenum Sulfide Selenide Alloy Monolayers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9121-9125	16.4	154
606	Superionic phase transition in silver chalcogenide nanocrystals realizing optimized thermoelectric performance. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4287-93	16.4	154
605	Promising vanadium oxide and hydroxide nanostructures: from energy storage to energy saving. <i>Energy and Environmental Science</i> , 2010 , 3, 1191	35.4	153
604	Ultrathin MXene nanosheets with rich fluorine termination groups realizing efficient electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2018 , 47, 512-518	17.1	152
603	Metallic single-unit-cell orthorhombic cobalt diselenide atomic layers: robust water-electrolysis catalysts. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12004-8	16.4	152
602	Understanding the nature of the kinetic process in a VO ₂ metal-insulator transition. <i>Physical Review Letters</i> , 2010 , 105, 226405	7.4	152
601	Vacancy Engineering for Tuning Electron and Phonon Structures of Two-Dimensional Materials. <i>Advanced Energy Materials</i> , 2016 , 6, 1600436	21.8	151
600	One-step solution-based catalytic route to fabricate novel alpha-MnO ₂ hierarchical structures on a large scale. <i>Chemical Communications</i> , 2005 , 918-20	5.8	151
599	Characterization of well-crystallized graphitic carbon nitride nanocrystallites via a benzene-thermal route at low temperatures. <i>Chemical Physics Letters</i> , 2003 , 380, 84-87	2.5	151
598	Study of the dissolution behavior of selenium and tellurium in different solvents—novel route to Se, Te tubular bulk single crystals. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2755-2761		151
597	Ultrathin Cobalt Oxide Layers as Electrocatalysts for High-Performance Flexible Zn-Air Batteries. <i>Advanced Materials</i> , 2019 , 31, e1807468	24	151
596	Sonochemical synthesis and mechanistic study of copper selenides Cu(2-x)Se, beta-CuSe, and Cu(3)Se(2). <i>Inorganic Chemistry</i> , 2002 , 41, 387-92	5.1	149
595	Surface/interface nanoengineering for rechargeable Zn-air batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 1132-1153	35.4	148
594	Photocatalytic CO Conversion of MWO Directly from the Air with High Selectivity: Insight into Full Spectrum-Induced Reaction Mechanism. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5267-5274	16.4	146
593	Elemental solvothermal reaction to produce ternary semiconductor CuInE ₂ (E = S, Se) nanorods. <i>Inorganic Chemistry</i> , 2000 , 39, 2964-5	5.1	146
592	Dual Vacancies: An Effective Strategy Realizing Synergistic Optimization of Thermoelectric Property in BiCuSeO. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6587-93	16.4	145
591	Spin-State Regulation of Perovskite Cobaltite to Realize Enhanced Oxygen Evolution Activity. <i>Chem</i> , 2017 , 3, 812-821	16.2	144
590	Aligned Fe ₂ TiO ₅ -containing nanotube arrays with low onset potential for visible-light water oxidation. <i>Nature Communications</i> , 2014 , 5, 5122	17.4	144

589	High thermoelectric and reversible p-n-p conduction type switching integrated in dimetal chalcogenide. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18460-6	16.4	144
588	Nearly monodisperse CuInS ₂ hierarchical microarchitectures for photocatalytic H ₂ evolution under visible light. <i>Inorganic Chemistry</i> , 2009 , 48, 4003-9	5.1	142
587	A Catalytic-Assembly Solvothermal Route to Multiwall Carbon Nanotubes at a Moderate Temperature. <i>Journal of the American Chemical Society</i> , 2000 , 122, 12383-12384	16.4	142
586	Molecular co-catalyst accelerating hole transfer for enhanced photocatalytic H ₂ evolution. <i>Nature Communications</i> , 2015 , 6, 8647	17.4	141
585	Insights into initial kinetic nucleation of gold nanocrystals. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7696-701	16.4	141
584	Growth of well-aligned gamma-MnO ₂ monocrystalline nanowires through a coordination-polymer-precursor route. <i>Chemistry - A European Journal</i> , 2003 , 9, 1645-51	4.8	140
583	Atomically thin tin dioxide sheets for efficient catalytic oxidation of carbon monoxide. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10569-72	16.4	136
582	All-Surface-Atomic-Metal Chalcogenide Sheets for High-Efficiency Visible-Light Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2014 , 4, 1300611	21.8	135
581	A Novel UV-Shielding and Transparent Polymer Film: When Bioinspired Dopamine-Melanin Hollow Nanoparticles Join Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36281-36289	9.5	134
580	Structural distortion in graphitic-C ₃ N ₄ realizing an efficient photoreactivity. <i>Nanoscale</i> , 2015 , 7, 5152-6	7.7	134
579	Vanadium pentoxide nanobelts and nanorolls: from controllable synthesis to investigation of their electrochemical properties and photocatalytic activities. <i>Nanotechnology</i> , 2006 , 17, 2560-6	3.4	134
578	Size-selective Synthesis of Zinc Sulfide Hierarchical Structures and Their Photocatalytic Activity. <i>Crystal Growth and Design</i> , 2007 , 7, 153-158	3.5	132
577	Atomic-Layer-Confined Doping for Atomic-Level Insights into Visible-Light Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9266-70	16.4	130
576	Half-metallicity in single-layered manganese dioxide nanosheets by defect engineering. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1195-9	16.4	129
575	Ag-Incorporated Organic-Inorganic Perovskite Films and Planar Heterojunction Solar Cells. <i>Nano Letters</i> , 2017 , 17, 3231-3237	11.5	127
574	Controllable Synthesis of CuS Nanostructures from Self-Assembled Precursors with Biomolecule Assistance. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12181-12187	3.8	126
573	Pothole-rich Ultrathin WO Nanosheets that Trigger N ₂ N Bond Activation of Nitrogen for Direct Nitrate Photosynthesis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 731-735	16.4	125
572	Advances and challenges in chemistry of two-dimensional nanosheets. <i>Nano Today</i> , 2016 , 11, 793-816	17.9	124

571	Hydrogen-incorporation stabilization of metallic VO ₂ (R) phase to room temperature, displaying promising low-temperature thermoelectric effect. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13798-801	16.4	124
570	Oxygen vacancy associated single-electron transfer for photofixation of CO to long-chain chemicals. <i>Nature Communications</i> , 2019 , 10, 788	17.4	124
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