

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.

321 papers	16,167 citations	62 h-index	119 g-index
337 ext. papers	19,138 ext. citations	9.6 avg, IF	7 L-index

#	Paper	IF	Citations
321	Assembling Iron Oxide Nanoparticles into Aggregates by LiPO: A Universal Strategy Inspired by Frogspawn for Robust Li-Storage.. <i>ACS Nano</i> , 2022 ,	16.7	3
320	Quasi-Zero-Strain TiO ₂ as an Ultra-Long-Life Anode for Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022 , 5, 1305-1312	6.1	0
319	Amorphous Lithium-Phosphate-Encapsulated Fe ₂ O ₃ as a High-Rate and Long-Life Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3463-3470	6.1	2
318	Perspective Electrolyte Design for Aqueous Batteries: From Ultra-High Concentration to Low Concentration?. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 030530	3.9	5
317	A Conjugated Polyimide-Based High-Performance Aqueous Potassium-Ion Asymmetric Supercapacitor.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200040	4.8	3
316	Nano gold coupled black titania composites with enhanced surface plasma properties for efficient photocatalytic alkyne reduction. <i>Applied Catalysis B: Environmental</i> , 2022 , 309, 121222	21.8	2
315	One-Step Construction of Ordered Sulfur-Terminated Tantalum Carbide MXene for Efficient Overall Water Splitting. <i>Small Structures</i> , 2022 , 3, 2100206	8.7	6
314	Tuning Interface Lithiophobicity for Lithium Metal Solid-State Batteries. <i>ACS Energy Letters</i> , 2022 , 7, 131-139	20.1	14
313	Record-High Superconductivity in Transition Metal Dichalcogenides Emerged in Compressed 2H-TaS ₂ .. <i>Advanced Materials</i> , 2021 , e2103168	24	5
312	Interfacial Design for 4.6 V High-Voltage Single-Crystalline LiCoO ₂ Cathode. <i>Advanced Materials</i> , 2021 , e2108353	24	19
311	Utilization of Interfacial Charge Storage toward Ultra-high Capacity: LiSO ₄ Sealed Micron Sized Iron Oxides as Anode for Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
310	Two-Dimensional Silver Cyanamide Nanocrystals toward CO ₂ Reduction. <i>ACS Applied Nano Materials</i> , 2021 , 4, 12506-12513	5.6	
309	A comparative overview of carbon anodes for nonaqueous alkali metal-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 27140-27169	13	1
308	Micrometer-Sized, Dual-Conductive MoO ₃ /EMoO ₃ Mosaics for High Volumetric Capacity Li/Na-Ion Batteries.. <i>Small Methods</i> , 2021 , 5, e2100765	12.8	4
307	Realizing the Excellent HER Performance of PtPbS by d-Orbital Electronic Modulation. <i>Inorganic Chemistry</i> , 2021 , 60, 16538-16543	5.1	0
306	Solvation sheath reorganization enables divalent metal batteries with fast interfacial charge transfer kinetics. <i>Science</i> , 2021 , 374, 172-178	33.3	43
305	Modulation of the Electronic Structure of IrSe ₂ by Filling the Bi Atom as a Bifunctional Electrocatalyst for pH Universal Water Splitting. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2000074	1.6	1

304	Layered Structure Na ₂ Ti ₃ O ₇ as a Promising Anode Material for Sodium-Ion Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2000095	1.6	1
303	Intrinsic Electron Localization of Metastable MoS Boosts Electrocatalytic Nitrogen Reduction to Ammonia. <i>Advanced Materials</i> , 2021 , 33, e2007509	24	22
302	An Inorganic-Rich Solid Electrolyte Interphase for Advanced Lithium-Metal Batteries in Carbonate Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3661-3671	16.4	103
301	Suppression of the superconducting transition temperature in Se-doping 2'M WS ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 149, 109789	3.9	2
300	Flexible yet Robust Framework of Tin(II) Oxide Carbodiimide for Reversible Lithium Storage. <i>Chemistry - A European Journal</i> , 2021 , 27, 2717-2723	4.8	3
299	Efficient and Full-Spectrum Photothermal Dehydrogenation of Ammonia Borane for Low-Temperature Release of Hydrogen. <i>Advanced Functional Materials</i> , 2021 , 31, 2007591	15.6	8
298	An Inorganic-Rich Solid Electrolyte Interphase for Advanced Lithium-Metal Batteries in Carbonate Electrolytes. <i>Angewandte Chemie</i> , 2021 , 133, 3705-3715	3.6	17
297	Nitrogen-doped hierarchical few-layered porous carbon for efficient electrochemical energy storage 2021 , 3, 349-359		5
296	Proton-insertion-pseudocapacitance of tungsten bronze tunnel structure enhanced by transition metal ion anchoring. <i>Nanoscale</i> , 2021 , 13, 16790-16798	7.7	1
295	Tuning Nitrogen Species and Content in Carbon Materials through Constructing Variable Structures for Supercapacitors. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2021 , 36, 766	1	1
294	Interstitial boron-doped mesoporous semiconductor oxides for ultratransparent energy storage. <i>Nature Communications</i> , 2021 , 12, 445	17.4	16
293	Strong self-trapping by deformation potential limits photovoltaic performance in bismuth double perovskite. <i>Science Advances</i> , 2021 , 7,	14.3	30
292	Tuning Coordination Environments of Dopants through Topochemical Reaction Enables Substantial Enhancement of Luminescence in Mn ⁴⁺ -Doped Perovskite. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 4646-4654	3.8	7
291	Bifunctional Interphase-Enabled Li ₁₀ GeP ₂ S ₁₂ Electrolytes for Lithium-Sulfur Battery. <i>ACS Energy Letters</i> , 2021 , 6, 862-868	20.1	29
290	In situ formation of polymer-inorganic solid-electrolyte interphase for stable polymeric solid-state lithium-metal batteries. <i>Chem</i> , 2021 ,	16.2	16
289	Suppressing Dissolution of Pt-Based Electrocatalysts through the Electronic Metal-Support Interaction. <i>Advanced Energy Materials</i> , 2021 , 11, 2101050	21.8	8
288	Metal cyanamides: Open-framework structure and energy conversion/storage applications. <i>Journal of Energy Chemistry</i> , 2021 , 61, 347-367	12	0
287	Black phosphorus coupled black titania nanocomposites with enhanced sunlight absorption properties for efficient photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2021 , 295, 120211	21.8	16

286	Atomically dispersed Pd-Ru dual sites in an amorphous matrix towards efficient phenylacetylene semi-hydrogenation. <i>Chemical Communications</i> , 2021 , 57, 5670-5673	5.8	0
285	A new compound PtBiS with superior performance for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2021 , 57, 7946-7949	5.8	3
284	Hard Carbon Microsphere with Expanded Graphitic Interlayers Derived from a Highly Branched Polymer Network as Ultrahigh Performance Anode for Practical Sodium-Ion Batteries.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61180-61188	9.5	2
283	Solvation Structure Design for Aqueous Zn Metal Batteries. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21404-21409	16.4	215
282	Sr4Pb1.5Sb5O5Se8: a new mid-infrared nonlinear optical material with a moderate SHG response. <i>CrystEngComm</i> , 2020 , 22, 3526-3530	3.3	10
281	Facile and economical synthesis of nitrogen-rich tantalum nitrides via an ammonia looping process under confined space. <i>New Journal of Chemistry</i> , 2020 , 44, 9158-9162	3.6	2
280	Boron-Induced Nitrogen Fixation in 3D Carbon Materials for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28075-28082	9.5	14
279	Intermediate band induced by p-block metalloid antimony in SnS2 for higher solar energy utilization. <i>Materials Today Communications</i> , 2020 , 24, 101333	2.5	1
278	Branched Mesoporous TiO2 Mesocrystals by Epitaxial Assembly of Micelles for Photocatalysis. <i>Cell Reports Physical Science</i> , 2020 , 1, 100081	6.1	4
277	Enhanced Charge Carrier Lifetime of TiS3 Photoanode by Introduction of S22V Vacancies for Efficient Photoelectrochemical Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2020 , 30, 2001286	15.6	8
276	Ultra-Light Graphene Tile-Based Phase-Change Material for Efficient Thermal and Solar Energy Harvest. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5517-5522	6.1	13
275	Amorphous phosphated titanium oxide with amino and hydroxyl bifunctional groups for highly efficient heavy metal removal. <i>Environmental Science: Nano</i> , 2020 , 7, 1266-1274	7.1	8
274	Intrinsically low thermal conductivity in a p-type semiconductor SrOCuBiSe with a [SrO]-intercalated CuBiSe structure. <i>Chemical Communications</i> , 2020 , 56, 4356-4359	5.8	3
273	SrGaOS: A Nonlinear Optical Oxysulfide with Melilite-Derived Structure and Wide Band Gap. <i>Inorganic Chemistry</i> , 2020 , 59, 9944-9950	5.1	13
272	NbSeC: a new compound as a combination of transition metal dichalcogenide and MXene for oxygen evolution reaction. <i>Chemical Communications</i> , 2020 , 56, 9036-9039	5.8	4
271	K(HO)MoS as a universal host for rechargeable aqueous cation (K, Na, Li, NH, Mg, Al) batteries. <i>Dalton Transactions</i> , 2020 , 49, 3488-3494	4.3	14
270	Pyrochlore phase Ce2Sn2O7 via an atom-confining strategy for reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5744-5749	13	5
269	CoN loaded N-doped carbon as an efficient bifunctional oxygen electrocatalyst for a Zn-air battery. <i>Nanoscale</i> , 2020 , 12, 6089-6095	7.7	19

268	SiO ₂ stabilizes electrochemically active nitrogen in few-layer carbon electrodes of extraordinary capacitance. <i>Journal of Energy Chemistry</i> , 2020 , 49, 179-188	12	5
267	Spherical Sacrificial ZnO Template-Derived Hybrid Ni/Co ₃ O ₄ Cubes as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>Energy Technology</i> , 2020 , 8, 1901310	3.5	5
266	Nanoporous Carbon Foam for Water and Air Purification. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1564-1570	5.6	11
265	Renewable P-type zeolite for superior absorption of heavy metals: Isotherms, kinetics, and mechanism. <i>Science of the Total Environment</i> , 2020 , 726, 138535	10.2	19
264	Subnano Ruthenium Species Anchored on Tin Dioxide Surface for Efficient Alkaline Hydrogen Evolution Reaction. <i>Cell Reports Physical Science</i> , 2020 , 1, 100026	6.1	10
263	Highly Hydroxylated Porous Nanozirconia for Complete Trace Cr(VI) Removal. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3315-3322	5.6	6
262	Nitrogen-doped black titania for high performance supercapacitors. <i>Science China Materials</i> , 2020 , 63, 1227-1234	7.1	8
261	Atomic Pillar Effect in PdxNbS ₂ to Boost Basal Plane Activity for Stable Hydrogen Evolution. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-02, 2408-2408	0	
260	Nitrogen doped hierarchical porous hard carbon derived from a facial Ti-peroxy-initiating in-situ polymerization and its application in electrochemical capacitors. <i>Microporous and Mesoporous Materials</i> , 2020 , 294, 109884	5.3	6
259	ZnO-Templated Selenized and Phosphorized Cobalt-Nickel Oxide Microcubes as Rapid Alkaline Water Oxidation Electrocatalysts. <i>Chemistry - A European Journal</i> , 2020 , 26, 1306-1313	4.8	
258	Solar activated crude oil cleanup using net-shape-formed ultralight graphene tiles. <i>Applied Materials Today</i> , 2020 , 19, 100551	6.6	2
257	Ruthenium-Doped Cobalt-Chromium Layered Double Hydroxides for Enhancing Oxygen Evolution through Regulating Charge Transfer. <i>Small</i> , 2020 , 16, e1905328	11	37
256	Niobium dioxide prepared by a novel La-reduced route as a promising catalyst support for Pd towards the oxygen reduction reaction. <i>Dalton Transactions</i> , 2020 , 49, 1398-1402	4.3	5
255	Sulfur-terminated tin oxides for durable, highly reversible storage of large-capacity lithium. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 626-631	13	4
254	Dehalogenation on the surface of nano-templates: A rational route to tailor halogenated polymer-derived soft carbon. <i>Carbon</i> , 2020 , 159, 221-228	10.4	9
253	A reverse slipping strategy for bulk-reduced TiO _{2-x} preparation from Magnéli phase Ti ₄ O ₇ . <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 212-220	6.8	1
252	Orthorhombic NbO for Durable High-Rate Anode of Li-Ion Batteries. <i>IScience</i> , 2020 , 23, 100767	6.1	21
251	Cu-dispersed cobalt oxides as high volumetric capacity anode materials for Li-ion storage. <i>Energy Storage Materials</i> , 2020 , 27, 453-458	19.4	8

250	Conductive Black Titania Nanomaterials for Efficient Photocatalytic Degradation of Organic Pollutants. <i>Catalysis Letters</i> , 2020 , 150, 1346-1354	2.8	10
249	Photocatalytic Performance of MWCNTs/TiO ₂ Nanocomposites: Conventional vs. Microwave-Assisted Synthesis. <i>Integrated Ferroelectrics</i> , 2020 , 211, 175-183	0.8	0
248	Oxygen-enriched tubular carbon for efficient solar steam generation. <i>Carbon</i> , 2020 , 170, 256-263	10.4	11
247	Recent progress and perspectives of defective oxide anode materials for advanced lithium ion battery. <i>EnergyChem</i> , 2020 , 2, 100045	36.9	24
246	A rationally designed 3D interconnected porous tin dioxide cube with reserved space for volume expansion as an advanced anode of lithium-ion batteries. <i>Chemical Communications</i> , 2020 , 56, 10289-10292	5.8	4
245	Nitrogen-Rich Hierarchical Porous Carbon Prepared by Sol-Gel Assisted Inorganic Template Methods for Supercapacitors. <i>Batteries and Supercaps</i> , 2020 , 3, 1165-1171	5.6	4
244	A novel two-dimensional oxysulfide Sr _{3.5} Pb _{2.5} Sb ₆ O ₅ S ₁₀ : synthesis, crystal structure, and photoelectric properties. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11018-11021	7.1	1
243	Elucidation of the Jahn-Teller effect in a pair of sodium isomer. <i>Nano Energy</i> , 2020 , 77, 105167	17.1	12
242	Synthesis, crystal structure, and magnetic properties of layered SmCrS _{2-x} SexO solid solutions. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3980-3986	6.8	1
241	Nature-derived, structure and function integrated ultra-thick carbon electrode for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20072-20081	13	17
240	Surface decoration accelerates the hydrogen evolution kinetics of a perovskite oxide in alkaline solution. <i>Energy and Environmental Science</i> , 2020 , 13, 4249-4257	35.4	16
239	Constructing porous TiO crystals by an etching process for long-life lithium ion batteries. <i>Nanoscale</i> , 2020 , 12, 18429-18436	7.7	3
238	Understanding the surface reduction of nano rutile and anatase: Selective breaking of Ti-O bonds. <i>Materials Research Bulletin</i> , 2020 , 121, 110617	5.1	9
237	Boron and Nitrogen Co-Doped Trimodal-Porous Wood-Derived Carbon for Boosting Capacitive Performance. <i>Energy Technology</i> , 2020 , 8, 1900950	3.5	15
236	Controllable Conversion of CdNCN Nanoparticles into Various Chalcogenide Nanostructures for Photo-driven Applications. <i>Chemistry - A European Journal</i> , 2020 , 26, 7955-7960	4.8	2
235	Constructing Hierarchical Porous Carbon of High-Performance Capacitance through a Two-Step Nitrogen-Fixation Method. <i>Energy Technology</i> , 2020 , 8, 2000107	3.5	2
234	Effective incorporation of nitrogen and boron in worm-like carbon foam for confining polysulfides. <i>Carbon</i> , 2019 , 155, 379-385	10.4	8
233	K[BiMnS], Design of a Highly Selective Ion Exchange Material and Direct Gap 2D Semiconductor. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16903-16914	16.4	16

232	Synthesis of Co ₂ P nanoparticles decorated nitrogen, phosphorus Co-doped Carbon-CeO ₂ composites for highly efficient oxygen reduction. <i>Journal of Alloys and Compounds</i> , 2019 , 801, 192-198	5.7	9
231	A bridge between battery and supercapacitor for power/energy gap by using dual redox-active ions electrolyte. <i>Chemical Engineering Journal</i> , 2019 , 375, 122054	14.7	15
230	Synthesis, Crystal Structure, and Physical Properties of Layered CrSeO (= Ce-Nd). <i>Inorganic Chemistry</i> , 2019 , 58, 9482-9489	5.1	3
229	Novel Black BiVO ₄ /TiO ₂ Photoanode with Enhanced Photon Absorption and Charge Separation for Efficient and Stable Solar Water Splitting. <i>Advanced Energy Materials</i> , 2019 , 9, 1901287	21.8	92
228	Toward large-scale water treatment using nanomaterials. <i>Nano Today</i> , 2019 , 27, 11-27	17.9	48
227	Dismutation of Titanium Sub-oxide into TiO and TiO with Structural Hierarchy Assisted by Ammonium Halides. <i>Chemistry - A European Journal</i> , 2019 , 25, 10642-10649	4.8	2
226	Sol-gel assisted chemical activation for nitrogen doped porous carbon. <i>Microporous and Mesoporous Materials</i> , 2019 , 286, 18-24	5.3	12
225	Atomic Pillar Effect in PdxNbS ₂ To Boost Basal Plane Activity for Stable Hydrogen Evolution. <i>Chemistry of Materials</i> , 2019 , 31, 4726-4731	9.6	21
224	In Situ Synthesis of MoC Nanodot@Carbon Hybrids for Capacitive Lithium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19977-19985	9.5	9
223	Complexing-Coprecipitation Method to Synthesize Catalysts of Cobalt, Nitrogen-Doped Carbon, and CeO ₂ Nanosheets for Highly Efficient Oxygen Reduction. <i>ChemNanoMat</i> , 2019 , 5, 831-837	3.5	7
222	Porous NiCo ₂ S ₄ /Co ₉ S ₈ Microcubes Templated by Sacrificial ZnO Spheres as an Efficient Bifunctional Oxygen Electrocatalyst. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800167	5.9	13
221	Crystal structure design and multiband physical properties of quaternary sulfide BaBiCoS for optoelectronic conversion. <i>Chemical Communications</i> , 2019 , 55, 4809-4812	5.8	2
220	Boosting the Stable Na Storage Performance in 1D Oxysulfide. <i>Advanced Energy Materials</i> , 2019 , 9, 1900178	17.8	12
219	Sr ₆ Cd ₂ Sb ₆ O ₇ S ₁₀ : Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. <i>Angewandte Chemie</i> , 2019 , 131, 8162-8165	3.6	10
218	Sr Cd Sb O S : Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8078-8081	16.4	56
217	Chemistry Design Towards a Stable Sulfide-Based Superionic Conductor Li Cu Ge S. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7673-7677	16.4	18
216	Chemistry Design Towards a Stable Sulfide-Based Superionic Conductor Li ₄ Cu ₈ Ge ₃ S ₁₂ . <i>Angewandte Chemie</i> , 2019 , 131, 7755-7759	3.6	4
215	Suppression of graphene nucleation by plasma treatment of Cu foil for the rapid growth of large-size single-crystal graphene. <i>Carbon</i> , 2019 , 147, 51-57	10.4	18

214	Iron-incorporated chalcopyrite of an intermediate band for improving solar wide-spectrum absorption. <i>Journal of Solid State Chemistry</i> , 2019 , 277, 388-394	3.3	2
213	Rapid growth of large-area single-crystal graphene film by seamless stitching using resolidified copper foil on a molybdenum substrate. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18373-18379	13	7
212	Gate-Tunable Electrical Transport in Thin 2M-WS ₂ Flakes. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900460.	4	10
211	Synthesis, crystal structure, and optical properties of Ba ₂ SbO ₂ SX (X = Br, I) oxy-chalcohalides. <i>Journal of Solid State Chemistry</i> , 2019 , 278, 120811	3.3	1
210	Efficient conversion of CO ₂ to methane using thin-layer SiO _x matrix anchored nickel catalysts. <i>New Journal of Chemistry</i> , 2019 , 43, 13217-13224	3.6	8
209	Observation of superconductivity in pressurized 2M WSe ₂ crystals. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8551-8555	7.1	12
208	Synthesis, crystal structures and physical properties of A(H ₂ O) MoS ₂ (A' = K, Rb, Cs). <i>Journal of Solid State Chemistry</i> , 2019 , 279, 120937	3.3	4
207	Crystal structure and electrical resistance property of Rb(HO) WS. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019 , 75, 976-979	0.7	1
206	Synthesis, Crystal Structure, and Excellent Selective Pb ²⁺ Ion Adsorption of New Layered Compound (NH ₄)In ₃ (SO ₄) ₂ (OH) ₆ . <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 5000-5007	2.3	3
205	Enhanced Photoelectric SrOCuSbS of a [SrO]-Intercalated CuSbS Structure. <i>Inorganic Chemistry</i> , 2019 , 58, 69-72	5.1	6
204	Cooperative Catalysis of Nickel and Nickel Oxide for Efficient Reduction of CO ₂ to CH ₄ . <i>ChemCatChem</i> , 2019 , 11, 1295-1302	5.2	14
203	Structural Determination and Nonlinear Optical Properties of New 1T'-Type MoS Compound. <i>Journal of the American Chemical Society</i> , 2019 , 141, 790-793	16.4	51
202	Enhanced Photovoltaic Performance and Thermal Stability of CH ₃ NH ₃ PbI Perovskite through Lattice Symmetrization. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 740-746	9.5	13
201	Microwave absorption of aluminum/hydrogen treated titanium dioxide nanoparticles. <i>Journal of Materiomics</i> , 2019 , 5, 133-146	6.7	46
200	Enhanced specific capacitance by a new dual redox-active electrolyte in activated carbon-based supercapacitors. <i>Carbon</i> , 2019 , 143, 300-308	10.4	69
199	A Facile Approach To Improve Electrochemical Capacitance of Carbons by in Situ Electrochemical Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5999-6008	9.5	4
198	Charge-Transfer-Promoted High Oxygen Evolution Activity of Co@CoS Core-Shell Nanochains. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11565-11571	9.5	32
197	Metastable MoS : Crystal Structure, Electronic Band Structure, Synthetic Approach and Intriguing Physical Properties. <i>Chemistry - A European Journal</i> , 2018 , 24, 15942-15954	4.8	67

196	Self-templated synthesis of heavily nitrogen-doped hollow carbon spheres. <i>Chemical Communications</i> , 2018 , 54, 4565-4568	5.8	9
195	Well-Dispersed Ruthenium in Mesoporous Crystal TiO as an Advanced Electrocatalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5719-5727	16.4	152
194	Constructing hierarchical porous carbon via tin punching for efficient electrochemical energy storage. <i>Carbon</i> , 2018 , 134, 391-397	10.4	14
193	Enhanced Charge Injection and Collection of Niobium-Doped TiO ₂ /Gradient Tungsten-Doped BiVO ₄ Nanowires for Efficient Solar Water Splitting. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1218-1225	6.1	13
192	Oxygen Evolution Activity of Co-Ni Nanochain Alloys: Promotion by Electron Injection. <i>Chemistry - A European Journal</i> , 2018 , 24, 3707-3711	4.8	5
191	Silver cyanamide nanoparticles decorated ultrathin graphitic carbon nitride nanosheets for enhanced visible-light-driven photocatalysis. <i>Catalysis Science and Technology</i> , 2018 , 8, 1447-1453	5.5	13
190	Metal/Graphene Composites with Strong Metal-S Bondings for Sulfur Immobilization in Li-S Batteries. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3263-3272	3.8	23
189	Tunable Synthesis of Colorful Nitrogen-Doped Titanium Oxide and Its Application in Energy Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 876-882	6.1	16
188	Hydrogenated Blue Titania for Efficient Solar to Chemical Conversions: Preparation, Characterization, and Reaction Mechanism of CO ₂ Reduction. <i>ACS Catalysis</i> , 2018 , 8, 1009-1017	13.1	164
187	Nano Titanium Monoxide Crystals and Unusual Superconductivity at 11 K. <i>Advanced Materials</i> , 2018 , 30, 1706240	24	32
186	Nonaqueous synthesis of metal cyanamide semiconductor nanocrystals for photocatalytic water oxidation. <i>Chemical Communications</i> , 2018 , 54, 1575-1578	5.8	13
185	Synthesis, Structure, and Optical Properties of Antiperovskite-Derived BaMQX (M = As, Sb; Q = S, Se; X = Cl, Br, I) Chalcogenides. <i>Inorganic Chemistry</i> , 2018 , 57, 1449-1454	5.1	13
184	Facile Synthesis of Nitrogen and Halogen Dual-Doped Porous Graphene as an Advanced Performance Anode for Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701261	4.6	15
183	Observation of High Capacitance from Molecular Gd@C ₈₂ in Aqueous Electrolyte Derived from Energy-Level Matching with Proton. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800240	4.6	3
182	Surface confined titania redox couple for ultrafast energy storage. <i>Materials Horizons</i> , 2018 , 5, 691-698	14.4	14
181	Efficient catalysts for oxygen evolution derived from cobalt-based alloy nanochains. <i>Catalysis Science and Technology</i> , 2018 , 8, 2427-2433	5.5	16
180	Intermediate Band Material of Titanium-Doped Tin Disulfide for Wide Spectrum Solar Absorption. <i>Inorganic Chemistry</i> , 2018 , 57, 3956-3962	5.1	26
179	A strategy to deposit nano metals in multi-layer graphene for scalable synthesis of high performance anode materials in lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 739-744	5.7	3

178	Hierarchical Hollow Microspheres Constructed by Carbon Skeleton Supported TiO ₂ Nanosheets Enable High Rate Capability and Excellent Cycling Stability for Lithium Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3134-3142	6.1	6
177	Zinc ferrum energy storage chemistries with high efficiency and long cycling life. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15821-15827	13	5
176	Highly Conductive Cable-Like Bicomponent Titania Photoanode Approaching Limitation of Electron and Hole Collection. <i>Advanced Functional Materials</i> , 2018 , 28, 1803328	15.6	7
175	Synthesis, Crystal Structure, and Optical Properties of Noncentrosymmetric NaZnSnS. <i>Inorganic Chemistry</i> , 2018 , 57, 9918-9924	5.1	17
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173	2H-NbS film as a novel counter electrode for meso-structured perovskite solar cells. <i>Scientific Reports</i> , 2018 , 8, 7033	4.9	9
172	Observation of High Seebeck Coefficient and Low Thermal Conductivity in [SrO]-Intercalated CuSbSe ₂ Compound. <i>Chemistry of Materials</i> , 2018 , 30, 5539-5543	9.6	13
171	Enhancement of Solar Energy Absorption and Optoelectronic Properties of SrCuSbS ₃ by Lead Doping. <i>Solar Rrl</i> , 2018 , 2, 1800021	7.1	5
170	Efficient Photocatalytic Reduction of CO ₂ Using Carbon-Doped Amorphous Titanium Oxide. <i>ChemCatChem</i> , 2018 , 10, 3854-3861	5.2	25
169	Structure Re-determination and Superconductivity Observation of Bulk 1T MoS ₂ . <i>Angewandte Chemie</i> , 2018 , 130, 1246-1249	3.6	33
168	Structure Re-determination and Superconductivity Observation of Bulk 1T MoS. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1232-1235	16.4	88
167	Extraordinary Porous Few-Layer Carbons of High Capacitance from Pechini Combustion of Magnesium Nitrate Gel. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 381-388	9.5	9
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165	Urchin-like MoS prepared via a molten salt assisted method for efficient hydrogen evolution. <i>Chemical Communications</i> , 2018 , 54, 12714-12717	5.8	14
164	Doped, conductive SiO nanoparticles for large microwave absorption. <i>Light: Science and Applications</i> , 2018 , 7, 87	16.7	68
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162	Unusual evolution of Bc ₂ and Tc with inclined fields in restacked TaS ₂ nanosheets. <i>Npj Quantum Materials</i> , 2018 , 3,	5	6
161	Copper nanodot-embedded graphene urchins of nearly full-spectrum solar absorption and extraordinary solar desalination. <i>Nano Energy</i> , 2018 , 53, 425-431	17.1	62

160	Efficient Co@CoPx core-shell nanochains catalyst for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1844-1848	6.8	7
159	Capacitive lithium storage of lithiated mesoporous titania. <i>Materials Today Energy</i> , 2018 , 9, 240-246	7	10
158	Excitation wavelength dependent fluorescence of graphene oxide controlled by strain. <i>Nanoscale</i> , 2017 , 9, 2240-2245	7.7	15
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156	The Black and White Issue of Nanotitania 2017 , 77-117		
155	Low-cost and massive preparation of nitrogen-doped porous carbon for supercapacitor application. <i>RSC Advances</i> , 2017 , 7, 10901-10905	3.7	18
154	A Robust and Conductive Black Tin Oxide Nanostructure Makes Efficient Lithium-Ion Batteries Possible. <i>Advanced Materials</i> , 2017 , 29, 1700136	24	173
153	Boosting Supercapacitor Performance of TiO ₂ Nanobelts by Efficient Nitrogen Doping. <i>ChemElectroChem</i> , 2017 , 4, 2328-2335	4.3	9
152	Selenium doping NaCl-type superconductor: SnAs _{1-x} Se _x (x=0-0.13). <i>Journal of Solid State Chemistry</i> , 2017 , 252, 106-110	3.3	3
151	Controlled Phase Evolution from Co Nanochains to CoO Nanocubes and Their Application as OER Catalysts. <i>ACS Energy Letters</i> , 2017 , 2, 1208-1213	20.1	73
150	Conductive Carbon Nitride for Excellent Energy Storage. <i>Advanced Materials</i> , 2017 , 29, 1701674	24	112
149	High-quality single-layer nanosheets of MS ₂ (M = Mo, Nb, Ta, Ti) directly exfoliated from AMS ₂ (A = Li, Na, K) crystals. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5977-5983	7.1	23
148	Tunable synthesis of Fe-Ge alloy confined in oxide matrix and its application for energy storage. <i>Journal of Power Sources</i> , 2017 , 360, 124-128	8.9	14
147	Nitrogen and oxygen dual-doped carbon nanohorn for electrochemical capacitors. <i>Carbon</i> , 2017 , 118, 511-516	10.4	40
146	Efficient Charge Separation of In-Situ Nb-Doped TiO ₂ Nanowires for Photoelectrochemical Water-Splitting. <i>ChemistrySelect</i> , 2017 , 2, 2822-2827	1.8	12
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144	Enhanced Superconductivity in Rock-Salt TiO. <i>ACS Omega</i> , 2017 , 2, 1036-1039	3.9	21
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140	Observation of superconductivity in 1T'-MoS ₂ nanosheets. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10855-10860	7.1	60
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138	An Intermediate Band Material K ₂ CdSnSe ₄ and Its Visible-Light Photocatalytic Activity. <i>ChemistrySelect</i> , 2017 , 2, 5655-5659	1.8	2
137	Prominent Electron Penetration through Ultrathin Graphene Layer from FeNi Alloy for Efficient Reduction of CO to CO. <i>ChemSusChem</i> , 2017 , 10, 3044-3048	8.3	14
136	Facile Synthesis, Magnetic and Electric Characterization of Mixed Valence LaKAMnTiO (A = Sr and Ba) Perovskites. <i>Inorganic Chemistry</i> , 2017 , 56, 10404-10411	5.1	8
135	Variable texture few-layer ordered macroporous carbon for high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25171-25176	13	6
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133	Effects of Iron Doping on the Physical Properties of Quaternary Ferromagnetic Sulfide: BaFeVS. <i>Inorganic Chemistry</i> , 2017 , 56, 8302-8310	5.1	1
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131	Facile sol-gel method combined with chemical vapor deposition for mesoporous few-layer carbon. <i>Carbon</i> , 2017 , 112, 47-52	10.4	12
130	Graphene-like carbon with three-dimensional periodicity prepared from organic-inorganic templates for energy storage application. <i>Carbon</i> , 2017 , 111, 128-132	10.4	13
129	Atomic-Sized Pores Enhanced Electrocatalysis of TaS Nanosheets for Hydrogen Evolution. <i>Advanced Materials</i> , 2016 , 28, 8945-8949	24	121
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111	Rational composition and structural design of in situ grown nickel-based electrocatalysts for efficient water electrolysis. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 167-172	13	120
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24	Novel Cu Nanowires/Graphene as the Back Contact for CdTe Solar Cells. <i>Advanced Functional Materials</i> , 2012 , 22, 1267-1271	15.6	73
23	The production of large bilayer hexagonal graphene domains by a two-step growth process of segregation and surface-catalytic chemical vapor deposition. <i>Carbon</i> , 2012 , 50, 2703-2709	10.4	29
22	Mesoporous hollow TiO ₂ microspheres with enhanced photoluminescence prepared by a smart amino acid template. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4888		44
21	Anomalous paramagnetism in graphene on hexagonal boron nitride substrates. <i>Physical Review B</i> , 2011 , 84,	3.3	16
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19	A facile preparation route for boron-doped graphene, and its CdTe solar cell application. <i>Energy and Environmental Science</i> , 2011 , 4, 862-865	35.4	186
18	Large-scale preparation of highly conductive three dimensional graphene and its applications in CdTe solar cells. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17366		84
17	Transparent conductive graphene films synthesized by ambient pressure chemical vapor deposition used as the front electrode of CdTe solar cells. <i>Advanced Materials</i> , 2011 , 23, 3202-6	24	123

16	Non-Aqueous Preparation of High-Crystallinity Hierarchical TiO ₂ Hollow Spheres with Excellent Photocatalytic Efficiency. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2879-2883	2.3	27
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14	Low-temperature rapid synthesis of high-quality pristine or boron-doped graphene via Wurtz-type reductive coupling reaction. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10685		60
13	Quasi-linear dependence of cation filling on the photocatalysis of A(x)BO ₃ -based tunnel compounds. <i>Dalton Transactions</i> , 2011 , 40, 6906-11	4.3	13
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9	Structure-dependent photocatalytic activities of MWO ₄ (M = Ca, Sr, Ba). <i>Journal of Molecular Catalysis A</i> , 2009 , 302, 54-58		92
8	Photocatalytic activity of a sillenite-type material Bi ₂₅ GaO ₃₉ . <i>Catalysis Communications</i> , 2008 , 9, 572-576	6.2	32
7	Visible-light-responsive photocatalysts xBiOBr(1-x)BiOI. <i>Catalysis Communications</i> , 2008 , 9, 8-12	3.2	224
6	xBiOI(1-x)BiOCl as efficient visible-light-driven photocatalysts. <i>Scripta Materialia</i> , 2007 , 56, 669-672	5.6	163
5	Tailoring Conductive 3D Porous Hard Carbon for Supercapacitors. <i>Energy Technology</i> , 2101103	3.5	1
4	Aqueous electrolyte design for super-stable 2.5 V LiMn ₂ O ₄ Li ₄ Ti ₅ O ₁₂ pouch cells. <i>Nature Energy</i> , 62.3		19
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2	Design rules of pseudocapacitive electrode materials: ion adsorption, diffusion, and electron transmission over prototype TiO ₂ . <i>Science China Materials</i> , 1	7.1	1
1	A Dual-Functional Titanium Nitride Chloride Layered Matrix with Facile Lithium-Ion Diffusion Path and Decoupled Electron Transport as High-Capacity Anodes. <i>Advanced Functional Materials</i> , 2112074	15.6	1