Jijian Xu

List of Publications by Citations

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	Nitrogen-doped mesoporous carbon of extraordinary capacitance for electrochemical energy storage. *Science*, **2015**, 350, 1508-13	33.3	1530
320	Black titanium dioxide (TiO2) nanomaterials. *Chemical Society Reviews*, **2015**, 44, 1861-85	58.5	958
319	Visible-light photocatalytic, solar thermal and photoelectrochemical properties of aluminium-reduced black titania. *Energy and Environmental Science*, **2013**, 6, 3007	35.4	543
318	H-Doped Black Titania with Very High Solar Absorption and Excellent Photocatalysis Enhanced by Localized Surface Plasmon Resonance. *Advanced Functional Materials*, **2013**, 23, 5444-5450	15.6	532
317	Improved-Performance Dye-Sensitized Solar Cells Using Nb-Doped TiO2 Electrodes: Efficient Electron Injection and Transfer. *Advanced Functional Materials*, **2010**, 20, 509-515	15.6	473
316	Core-shell nanostructured "black" rutile titania as excellent catalyst for hydrogen production enhanced by sulfur doping. *Journal of the American Chemical Society*, **2013**, 135, 17831-8	16.4	370
315	Effective nonmetal incorporation in black titania with enhanced solar energy utilization. *Energy and Environmental Science*, **2014**, 7, 967	35.4	317
314	Black TiO2 nanotube arrays for high-efficiency photoelectrochemical water-splitting. *Journal of Materials Chemistry A*, **2014**, 2, 8612-8616	13	296
313	Origin of strong excitation wavelength dependent fluorescence of graphene oxide. *ACS Nano*, **2014**, 8, 1002-13	16.7	280
312	Single-crystalline Ni(OH)2 and NiO nanoplatelet arrays as supercapacitor electrodes. *Nanoscale*, **2011**, 3, 5103	7.7	259
311	Highly Conductive Porous Graphene/Ceramic Composites for Heat Transfer and Thermal Energy Storage. *Advanced Functional Materials*, **2013**, 23, 2263-2269	15.6	240
310	Visible-light-responsive photocatalysts xBiOBr(1−x)BiOI. *Catalysis Communications*, **2008**, 9, 8-12	3.2	224
309	Scotch-tape-like exfoliation of graphite assisted with elemental sulfur and graphene–sulfur composites for high-performance lithium-sulfur batteries. *Energy and Environmental Science*, **2013**, 6, 1283	35.4	216
308	Solvation Structure Design for Aqueous Zn Metal Batteries. *Journal of the American Chemical Society*, **2020**, 142, 21404-21409	16.4	215
307	Constructing Black Titania with Unique Nanocage Structure for Solar Desalination. *ACS Applied Materials & Interfaces*, **2016**, 8, 31716-31721	9.5	210
306	Highly Conductive Ordered Mesoporous Carbon Based Electrodes Decorated by 3D Graphene and 1D Silver Nanowire for Flexible Supercapacitor. *Advanced Functional Materials*, **2014**, 24, 2013-2019	15.6	207
305	Progress in Black Titania: A New Material for Advanced Photocatalysis. *Advanced Energy Materials*, **2016**, 6, 1600452	21.8	193

304	A facile preparation route for boron-doped graphene, and its CdTe solar cell application. *Energy and Environmental Science*, **2011**, 4, 862-865	35.4	186
303	A Robust and Conductive Black Tin Oxide Nanostructure Makes Efficient Lithium-Ion Batteries Possible. *Advanced Materials*, **2017**, 29, 1700136	24	173
302	PANI/graphene nanocomposite films with high thermoelectric properties by enhanced molecular ordering. *Journal of Materials Chemistry A*, **2015**, 3, 7086-7092	13	170
301	Hydrogenated Blue Titania for Efficient Solar to Chemical Conversions: Preparation, Characterization, and Reaction Mechanism of CO2 Reduction. *ACS Catalysis*, **2018**, 8, 1009-1017	13.1	164
300	A new tubular graphene form of a tetrahedrally connected cellular structure. *Advanced Materials*, **2015**, 27, 5943-9	24	163
299	xBiOI(1 x)BiOCl as efficient visible-light-driven photocatalysts. *Scripta Materialia*, **2007**, 56, 669-672	5.6	163
298	New high T(c) multiferroics KBiFe with narrow band gap and promising photovoltaic effect. *Scientific Reports*, **2013**, 3, 1265	4.9	160
297	Black titania-based theranostic nanoplatform for single NIR laser induced dual-modal imaging-guided PTT/PDT. *Biomaterials*, **2016**, 84, 13-24	15.6	157
296	Direct growth of few-layer graphene films on SiO2 substrates and their photovoltaic applications. *Journal of Materials Chemistry*, **2012**, 22, 411-416		154
295	Well-Dispersed Ruthenium in Mesoporous Crystal TiO as an Advanced Electrocatalyst for Hydrogen Evolution Reaction. *Journal of the American Chemical Society*, **2018**, 140, 5719-5727	16.4	152
294	Black brookite titania with high solar absorption and excellent photocatalytic performance. *Journal of Materials Chemistry A*, **2013**, 1, 9650	13	150
293	Silane-catalysed fast growth of large single-crystalline graphene on hexagonal boron nitride. *Nature Communications*, **2015**, 6, 6499	17.4	141
292	Enhanced electron transport in Nb-doped TiO2 nanoparticles via pressure-induced phase transitions. *Journal of the American Chemical Society*, **2014**, 136, 419-26	16.4	139
291	Observation of Superconductivity in Tetragonal FeS. *Journal of the American Chemical Society*, **2015**, 137, 10148-51	16.4	134
290	Transparent conductive graphene films synthesized by ambient pressure chemical vapor deposition used as the front electrode of CdTe solar cells. *Advanced Materials*, **2011**, 23, 3202-6	24	123
289	Synthesis of graphene-supported Li4Ti5O12 nanosheets for high rate battery application. *Journal of Materials Chemistry*, **2012**, 22, 11257		122
288	Atomic-Sized Pores Enhanced Electrocatalysis of TaS Nanosheets for Hydrogen Evolution. *Advanced Materials*, **2016**, 28, 8945-8949	24	121
287	Rational composition and structural design of in situ grown nickel-based electrocatalysts for efficient water electrolysis. *Journal of Materials Chemistry A*, **2016**, 4, 167-172	13	120

286	Direct PECVD growth of vertically erected graphene walls on dielectric substrates as excellent multifunctional electrodes. *Journal of Materials Chemistry A*, **2013**, 1, 770-775	13	120
285	Rational design of cobalt□hromium layered double hydroxide as a highly efficient electrocatalyst for water oxidation. *Journal of Materials Chemistry A*, **2016**, 4, 11292-11298	13	116
284	Conductive Carbon Nitride for Excellent Energy Storage. *Advanced Materials*, **2017**, 29, 1701674	24	112
283	Large thermoelectric power factor in polyaniline/graphene nanocomposite films prepared by solution-assistant dispersing method. *Journal of Materials Chemistry A*, **2014**, 2, 11107	13	106
282	An Inorganic-Rich Solid Electrolyte Interphase for Advanced Lithium-Metal Batteries in Carbonate Electrolytes. *Angewandte Chemie - International Edition*, **2021**, 60, 3661-3671	16.4	103
281	Novel Black BiVO4/TiO2□ Photoanode with Enhanced Photon Absorption and Charge Separation for Efficient and Stable Solar Water Splitting. *Advanced Energy Materials*, **2019**, 9, 1901287	21.8	92
280	Structure-dependent photocatalytic activities of MWO4 (M = Ca, Sr, Ba). *Journal of Molecular Catalysis A*, **2009**, 302, 54-58		92
279	Observation of an intermediate band in Sn-doped chalcopyrites with wide-spectrum solar response. *Scientific Reports*, **2013**, 3, 1286	4.9	90
278	Structure Re-determination and Superconductivity Observation of Bulk 1T MoS. *Angewandte Chemie - International Edition*, **2018**, 57, 1232-1235	16.4	88
277	New Graphene Form of Nanoporous Monolith for Excellent Energy Storage. *Nano Letters*, **2016**, 16, 349-54	11.5	86
276	Large-scale preparation of highly conductive three dimensional graphene and its applications in CdTe solar cells. *Journal of Materials Chemistry*, **2011**, 21, 17366		84
275	Black Nb2O5 nanorods with improved solar absorption and enhanced photocatalytic activity. *Dalton Transactions*, **2016**, 45, 3888-94	4.3	81
274	Low-temperature aluminum reduction of graphene oxide, electrical properties, surface wettability, and energy storage applications. *ACS Nano*, **2012**, 6, 9068-78	16.7	81
273	Facile and economical exfoliation of graphite for mass production of high-quality graphene sheets. *Journal of Materials Chemistry A*, **2013**, 1, 500-504	13	79
272	Thermal decomposition of bismuth oxysulfide from photoelectric Bi2O2S to superconducting Bi4O4S3. *ACS Applied Materials & Interfaces*, **2015**, 7, 4442-8	9.5	79
271	Hydrogenated blue titania with high solar absorption and greatly improved photocatalysis. *Nanoscale*, **2016**, 8, 4705-12	7.7	74
270	Controlled Phase Evolution from Co Nanochains to CoO Nanocubes and Their Application as OER Catalysts. *ACS Energy Letters*, **2017**, 2, 1208-1213	20.1	73
269	Enhanced Performance of Perovskite CH3NH3PbI3 Solar Cell by Using CH3NH3I as Additive in Sequential Deposition. *ACS Applied Materials & Interfaces*, **2015**, 7, 12937-42	9.5	73

268	Novel Cu Nanowires/Graphene as the Back Contact for CdTe Solar Cells. *Advanced Functional Materials*, **2012**, 22, 1267-1271	15.6	73
267	Enhanced specific capacitance by a new dual redox-active electrolyte in activated carbon-based supercapacitors. *Carbon*, **2019**, 143, 300-308	10.4	69
266	Doped, conductive SiO nanoparticles for large microwave absorption. *Light: Science and Applications*, **2018**, 7, 87	16.7	68
265	Metastable MoS : Crystal Structure, Electronic Band Structure, Synthetic Approach and Intriguing Physical Properties. *Chemistry - A European Journal*, **2018**, 24, 15942-15954	4.8	67
264	Black nanostructured Nb2O5 with improved solar absorption and enhanced photoelectrochemical water splitting. *Journal of Materials Chemistry A*, **2015**, 3, 11830-11837	13	66
263	Gray TiO2 nanowires synthesized by aluminum-mediated reduction and their excellent photocatalytic activity for water cleaning. *Chemistry - A European Journal*, **2013**, 19, 13313-6	4.8	64
262	Hierarchical MnO2 Spheres Decorated by Carbon-Coated Cobalt Nanobeads: Low-Cost and High-Performance Electrode Materials for Supercapacitors. *ACS Applied Materials & Interfaces*, **2016**, 8, 8452-9	9.5	63
261	Red, green and blue emissions coexistence in white-light-emitting Ca11(SiO4)4(BO3)2:Ce3+,Eu2+,Eu3+ phosphor. *Journal of Materials Chemistry C*, **2013**, 1, 5892	7.1	63
260	Enhanced Superconductivity in Restacked TaS Nanosheets. *Journal of the American Chemical Society* , **2017**, 139, 4623-4626	16.4	62
259	Copper nanodot-embedded graphene urchins of nearly full-spectrum solar absorption and extraordinary solar desalination. *Nano Energy*, **2018**, 53, 425-431	17.1	62
258	Heat transport enhancement of thermal energy storage material using graphene/ceramic composites. *Carbon*, **2014**, 75, 314-321	10.4	61
257	Observation of superconductivity in 1T?-MoS2 nanosheets. *Journal of Materials Chemistry C*, **2017**, 5, 10855-10860	7.1	60
256	Low-temperature rapid synthesis of high-quality pristine or boron-doped graphenevia Wurtz-type reductive coupling reaction. *Journal of Materials Chemistry*, **2011**, 21, 10685		60
255	Black Titania for Superior Photocatalytic Hydrogen Production and Photoelectrochemical Water Splitting. *ChemCatChem*, **2015**, 7, 2614-2619	5.2	59
254	In situ grown graphene-encapsulated germanium nanowires for superior lithium-ion storage properties. *Journal of Materials Chemistry A*, **2013**, 1, 8897	13	58
253	Cr incorporation in CuGaS2 chalcopyrite: A new intermediate-band photovoltaic material with wide-spectrum solar absorption. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 1098-1102	1.6	57
252	Sr Cd Sb O S : Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. *Angewandte Chemie - International Edition*, **2019**, 58, 8078-8081	16.4	56
251	Oriented single-crystalline nickel sulfide nanorod arrays: Two-in-one counter electrodes for dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 194-198	13	55

250	Organic–inorganic halide perovskite based solar cells – revolutionary progress in photovoltaics. *Inorganic Chemistry Frontiers*, **2015**, 2, 315-335	6.8	55
249	An electron injection promoted highly efficient electrocatalyst of FeNi3@GR@Fe-NiOOH for oxygen evolution and rechargeable metal–air batteries. *Journal of Materials Chemistry A*, **2016**, 4, 7762-7771	13	55
248	Gray Ta2O5 Nanowires with Greatly Enhanced Photocatalytic Performance. *ACS Applied Materials & Interfaces*, **2016**, 8, 122-7	9.5	53
247	Thermoelectric properties of CuInTe2/graphene composites. *CrystEngComm*, **2013**, 15, 6648	3.3	51
246	Structural Determination and Nonlinear Optical Properties of New 1T?-Type MoS Compound. *Journal of the American Chemical Society*, **2019**, 141, 790-793	16.4	51
245	Toward large-scale water treatment using nanomaterials. *Nano Today*, **2019**, 27, 11-27	17.9	48
244	Flexible all solid state supercapacitor with high energy density employing black titania nanoparticles as a conductive agent. *Nanoscale*, **2016**, 8, 4054-62	7.7	48
243	Hydrogen plasma reduced black TiO2B nanowires for enhanced photoelectrochemical water-splitting. *Journal of Power Sources*, **2016**, 325, 697-705	8.9	46
242	Highly conductive, free-standing and flexible graphene papers for energy conversion and storage devices. *RSC Advances*, **2013**, 3, 8454	3.7	46
241	Dielectric Constant Controlled Solvothermal Synthesis of a TiO2 Photocatalyst with Tunable Crystallinity: A Strategy for Solvent Selection. *European Journal of Inorganic Chemistry*, **2009**, 2009, 2789-2795	2.3	46
240	Microwave absorption of aluminum/hydrogen treated titanium dioxide nanoparticles. *Journal of Materiomics*, **2019**, 5, 133-146	6.7	46
239	Mesoporous hollow TiO2 microspheres with enhanced photoluminescence prepared by a smart amino acid template. *Journal of Materials Chemistry*, **2011**, 21, 4888		44
238	Direct synthesis of ethanol via CO hydrogenation using supported gold catalysts. *Chemical Communications*, **2016**, 52, 14226-14229	5.8	43
237	Solvation sheath reorganization enables divalent metal batteries with fast interfacial charge transfer kinetics. *Science*, **2021**, 374, 172-178	33.3	43
236	Nitrogen and oxygen dual-doped carbon nanohorn for electrochemical capacitors. *Carbon*, **2017**, 118, 511-516	10.4	40
235	Autonomously Controlled Homogenous Growth of Wafer-Sized High-Quality Graphene via a Smart Janus Substrate. *Advanced Functional Materials*, **2012**, 22, 1033-1039	15.6	39
234	Controllable reduced black titania with enhanced photoelectrochemical water splitting performance. *Dalton Transactions*, **2017**, 46, 1047-1051	4.3	38
233	Synthesis, Crystal Structure, and Photoelectric Properties of a New Layered Bismuth Oxysulfide. *Inorganic Chemistry*, **2015**, 54, 5768-73	5.1	38

232	Ruthenium-Doped Cobalt-Chromium Layered Double Hydroxides for Enhancing Oxygen Evolution through Regulating Charge Transfer. *Small*, **2020**, 16, e1905328	11	37
231	Ti-Promoted High Oxygen-Reduction Activity of Pd Nanodots Supported by Black Titania Nanobelts. *ACS Applied Materials & Interfaces*, **2016**, 8, 27654-27660	9.5	37
230	A one-pot method to grow pyrochlore H4Nb2O7-octahedron-based photocatalyst. *Journal of Materials Chemistry*, **2010**, 20, 1942		36
229	Black strontium titanate nanocrystals of enhanced solar absorption for photocatalysis. *CrystEngComm*, **2015**, 17, 7528-7534	3.3	35
228	Efficient Conversion of CO2 to Methane Photocatalyzed by Conductive Black Titania. *ChemCatChem*, **2017**, 9, 4389-4396	5.2	34
227	Controllable synthesis of silver cyanamide as a new semiconductor photocatalyst under visible-light irradiation. *Journal of Materials Chemistry A*, **2013**, 1, 7942	13	33
226	Structure Re-determination and Superconductivity Observation of Bulk 1T MoS2. *Angewandte Chemie*, **2018**, 130, 1246-1249	3.6	33
225	In Situ Growth Enabling Ideal Graphene Encapsulation upon Mesocrystalline MTiO3 (M = Ni, Co, Fe) Nanorods for Stable Lithium Storage. *ACS Energy Letters*, **2017**, 2, 659-663	20.1	32
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223	Charge-Transfer-Promoted High Oxygen Evolution Activity of Co@CoS Core-Shell Nanochains. *ACS Applied Materials & Interfaces*, **2018**, 10, 11565-11571	9.5	32
222	Nano Titanium Monoxide Crystals and Unusual Superconductivity at 11 K. *Advanced Materials*, **2018**, 30, 1706240	24	32
221	Directional architecture of graphene/ceramic composites with improved thermal conduction for thermal applications. *Journal of Materials Chemistry A*, **2014**, 2, 2187-2193	13	32
220	Biomolecule-assisted route to prepare titania mesoporous hollow structures. *Chemistry - A European Journal*, **2011**, 17, 11535-41	4.8	32
219	Photocatalytic activity of a sillenite-type material Bi25GaO39. *Catalysis Communications*, **2008**, 9, 572-576	3.2	32
218	Hierarchical Ni/NiTiO3 derived from NiTi LDHs: a bifunctional electrocatalyst for overall water splitting. *Journal of Materials Chemistry A*, **2017**, 5, 24767-24774	13	31
217	"Electron-Sharing" Mechanism Promotes Co@CoO/CNTs Composite as the High-Capacity Anode Material of Lithium-Ion Battery. *ACS Applied Materials & Interfaces*, **2018**, 10, 43641-43649	9.5	31
216	Controllable Synthesis of Cu2In2ZnS5 Nano/Microcrystals and Hierarchical Films and Applications in Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2013**, 117, 10296-10301	3.8	30
215	Efficient catalyst of defective CeO2 and few-layer carbon hybrid for oxygen reduction reaction. *Journal of Alloys and Compounds*, **2016**, 688, 613-618	5.7	30

214	Three-dimensional porous graphene-like carbon cloth from cotton as a free-standing lithium-ion battery anode. *Journal of Materials Chemistry A*, **2016**, 4, 11762-11767	13	30
213	Strong self-trapping by deformation potential limits photovoltaic performance in bismuth double perovskite. *Science Advances*, **2021**, 7,	14.3	30
212	The production of large bilayer hexagonal graphene domains by a two-step growth process of segregation and surface-catalytic chemical vapor deposition. *Carbon*, **2012**, 50, 2703-2709	10.4	29
211	New facile synthesis of TiO2 hollow sphere with an opening hole and its enhanced rate performance in lithium-ion batteries. *New Journal of Chemistry*, **2013**, 37, 784	3.6	29
210	Bifunctional Interphase-Enabled Li10GeP2S12 Electrolytes for Lithium−Sulfur Battery. *ACS Energy Letters*, **2021**, 6, 862-868	20.1	29
209	Black rutile (Sn, Ti)O2 initializing electrochemically reversible Sn nanodots embedded in amorphous lithiated titania matrix for efficient lithium storage. *Journal of Materials Chemistry A*, **2016**, 4, 15698-15704	13	28
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207	Hydrogen flame synthesis of few-layer graphene from a solid carbon source on hexagonal boron nitride. *Journal of Materials Chemistry*, **2012**, 22, 2859		27
206	Non-Aqueous Preparation of High-Crystallinity Hierarchical TiO2 Hollow Spheres with Excellent Photocatalytic Efficiency. *European Journal of Inorganic Chemistry*, **2011**, 2011, 2879-2883	2.3	27
205	Intermediate Band Material of Titanium-Doped Tin Disulfide for Wide Spectrum Solar Absorption. *Inorganic Chemistry*, **2018**, 57, 3956-3962	5.1	26
204	A three-dimensional elastic macroscopic graphene network for thermal management application. *Journal of Materials Chemistry A*, **2014**, 2, 18215-18218	13	26
203	Ag3Ga3SiSe8: a new infrared nonlinear optical material with a chalcopyrite structure. *CrystEngComm*, **2014**, 16, 6836	3.3	26
202	Intermediate bands of MoS2 enabled by Co doping for enhanced hydrogen evolution. *Inorganic Chemistry Frontiers*, **2017**, 4, 1895-1899	6.8	25
201	Synthesis, crystal structure, electronic structure, and photoelectric response properties of KCu2SbS3. *Dalton Transactions*, **2016**, 45, 3473-9	4.3	25
200	Efficient Photocatalytic Reduction of CO2 Using Carbon-Doped Amorphous Titanium Oxide. *ChemCatChem*, **2018**, 10, 3854-3861	5.2	25
199	Synthesis, Structure, Multiband Optical, and Electrical Conductive Properties of a 3D Open Cubic Framework Based on [Cu8Sn6S24](z-) Clusters. *Inorganic Chemistry*, **2015**, 54, 5301-8	5.1	24
198	Recent progress and perspectives of defective oxide anode materials for advanced lithium ion battery. *EnergyChem*, **2020**, 2, 100045	36.9	24
197	High-quality single-layer nanosheets of MS2 (M = Mo, Nb, Ta, Ti) directly exfoliated from AMS2 (A = Li, Na, K) crystals. *Journal of Materials Chemistry C*, **2017**, 5, 5977-5983	7.1	23

196	Metal/Graphene Composites with Strong Metal–S Bondings for Sulfur Immobilization in Li–S Batteries. *Journal of Physical Chemistry C*, **2018**, 122, 3263-3272	3.8	23
195	Intrinsic Electron Localization of Metastable MoS Boosts Electrocatalytic Nitrogen Reduction to Ammonia. *Advanced Materials*, **2021**, 33, e2007509	24	22
194	Enhanced Superconductivity in Rock-Salt TiO. *ACS Omega*, **2017**, 2, 1036-1039	3.9	21
193	Atomic Pillar Effect in PdxNbS2 To Boost Basal Plane Activity for Stable Hydrogen Evolution. *Chemistry of Materials*, **2019**, 31, 4726-4731	9.6	21
192	Fe-substituted indium thiospinels: New intermediate band semiconductors with better absorption of solar energy. *Journal of Applied Physics*, **2013**, 113, 213509	2.5	21
191	Orthorhombic NbO for Durable High-Rate Anode of Li-Ion Batteries. *IScience*, **2020**, 23, 100767	6.1	21
190	A modified two-step sequential deposition method for preparing perovskite CH3NH3PbI3 solar cells. *RSC Advances*, **2016**, 6, 42377-42381	3.7	21
189	In situ grown Nb4N5 nanocrystal on nitrogen-doped graphene as a novel anode for lithium ion battery. *RSC Advances*, **2016**, 6, 81290-81295	3.7	21
188	Boron Embedded in Metal Iron Matrix as a Novel Anode Material of Excellent Performance. *Advanced Materials*, **2018**, 30, e1801409	24	20
187	CuSbSe2-assisted sintering of CuInSe2 at low temperature. *Journal of Materials Science*, **2012**, 47, 7085-7089	4.5	20
186	CoN loaded N-doped carbon as an efficient bifunctional oxygen electrocatalyst for a Zn-air battery. *Nanoscale*, **2020**, 12, 6089-6095	7.7	19
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183	Interfacial Design for 4.6 V High-Voltage Single-Crystalline LiCoO Cathode. *Advanced Materials*, **2021**, e2108353	24	19
182	Aqueous electrolyte design for super-stable 2.5 V LiMn2O4 || Li4Ti5O12 pouch cells. *Nature Energy*,	62.3	19
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179	Chemistry Design Towards a Stable Sulfide-Based Superionic Conductor Li Cu Ge S. *Angewandte Chemie - International Edition*, **2019**, 58, 7673-7677	16.4	18

178	Suppression of graphene nucleation by plasma treatment of Cu foil for the rapid growth of large-size single-crystal graphene. *Carbon*, **2019**, 147, 51-57	10.4	18
177	Molten salt assisted synthesis of black titania hexagonal nanosheets with tuneable phase composition and morphology. *RSC Advances*, **2015**, 5, 85928-85932	3.7	18
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175	Synthesis, Crystal Structure, and Optical Properties of Noncentrosymmetric NaZnSnS. *Inorganic Chemistry*, **2018**, 57, 9918-9924	5.1	17
174	Quaternary sulfide Ba6Zn6ZrS14: synthesis, crystal structure, band structure, and multiband physical properties. *Chemistry - A European Journal*, **2014**, 20, 5977-82	4.8	17
173	Facile synthesis, magnetic, electrical and photoelectric properties of layered quaternary chalcogenides K2FeCu3Q4 (Q = S and Se). *CrystEngComm*, **2014**, 16, 1810	3.3	17
172	Nature-derived, structure and function integrated ultra-thick carbon electrode for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2020**, 8, 20072-20081	13	17
171	An Inorganic-Rich Solid Electrolyte Interphase for Advanced Lithium-Metal Batteries in Carbonate Electrolytes. *Angewandte Chemie*, **2021**, 133, 3705-3715	3.6	17
170	K[BiMnS], Design of a Highly Selective Ion Exchange Material and Direct Gap 2D Semiconductor. *Journal of the American Chemical Society*, **2019**, 141, 16903-16914	16.4	16
169	Carbon microtube/graphene hybrid structures for thermal management applications. *Journal of Materials Chemistry A*, **2015**, 3, 18706-18710	13	16
168	Tunable Synthesis of Colorful Nitrogen-Doped Titanium Oxide and Its Application in Energy Storage. *ACS Applied Energy Materials*, **2018**, 1, 876-882	6.1	16
167	Efficient catalysts for oxygen evolution derived from cobalt-based alloy nanochains. *Catalysis Science and Technology*, **2018**, 8, 2427-2433	5.5	16
166	Synthesis, crystal structure and physical properties of [Li0.85Fe0.15OH][FeS]. *RSC Advances*, **2015**, 5, 38248-38253	3.7	16
165	Anomalous paramagnetism in graphene on hexagonal boron nitride substrates. *Physical Review B*, **2011**, 84,	3.3	16
164	Surface decoration accelerates the hydrogen evolution kinetics of a perovskite oxide in alkaline solution. *Energy and Environmental Science*, **2020**, 13, 4249-4257	35.4	16
163	Preparation of three-dimensional free-standing nano-LiFePO4/graphene composite for high performance lithium ion battery. *RSC Advances*, **2016**, 6, 52279-52283	3.7	16
162	Interstitial boron-doped mesoporous semiconductor oxides for ultratransparent energy storage. *Nature Communications*, **2021**, 12, 445	17.4	16
161	In situ formation of polymer-inorganic solid-electrolyte interphase for stable polymeric solid-state lithium-metal batteries. *CheM*, **2021**,	16.2	16

160	Black phosphorus coupled black titania nanocomposites with enhanced sunlight absorption properties for efficient photocatalytic CO2 reduction. *Applied Catalysis B: Environmental*, **2021**, 295, 120211	21.8	16
159	Excitation wavelength dependent fluorescence of graphene oxide controlled by strain. *Nanoscale*, **2017**, 9, 2240-2245	7.7	15
158	A bridge between battery and supercapacitor for power/energy gap by using dual redox-active ions electrolyte. *Chemical Engineering Journal*, **2019**, 375, 122054	14.7	15
157	Facile Synthesis of Nitrogen and Halogen Dual-Doped Porous Graphene as an Advanced Performance Anode for Lithium-Ion Batteries. *Advanced Materials Interfaces*, **2018**, 5, 1701261	4.6	15
156	Co nanoparticles embedded in a 3D CoO matrix for electrocatalytic hydrogen evolution. *RSC Advances*, **2016**, 6, 38515-38520	3.7	15
155	Boron and Nitrogen Co-Doped Trimodal-Porous Wood-Derived Carbon for Boosting Capacitive Performance. *Energy Technology*, **2020**, 8, 1900950	3.5	15
154	Tunable synthesis of Fe-Ge alloy confined in oxide matrix and its application for energy storage. *Journal of Power Sources*, **2017**, 360, 124-128	8.9	14
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