Fuqiang Huang

List of Publications by Citations

273 papers	11,921 citations	53 h-index	103 g-index
304 ext. papers	14,206 ext. citations	9.5 avg, IF	6.72 L-index

#	Paper	IF	Citations
273	Nitrogen-doped mesoporous carbon of extraordinary capacitance for electrochemical energy storage. *Science*, **2015**, 350, 1508-13	33.3	1530
272	Black titanium dioxide (TiO2) nanomaterials. *Chemical Society Reviews*, **2015**, 44, 1861-85	58.5	958
271	Visible-light photocatalytic, solar thermal and photoelectrochemical properties of aluminium-reduced black titania. *Energy and Environmental Science*, **2013**, 6, 3007	35.4	543
270	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
269	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
268	Effective nonmetal incorporation in black titania with enhanced solar energy utilization. *Energy and Environmental Science*, **2014**, 7, 967	35.4	317
267	Coexistence of superconductivity and antiferromagnetism in (Li0.8Fe0.2)OHFeSe. *Nature Materials*, **2015**, 14, 325-9	27	264
266	Highly Conductive Porous Graphene/Ceramic Composites for Heat Transfer and Thermal Energy Storage. *Advanced Functional Materials*, **2013**, 23, 2263-2269	15.6	240
265	Constructing Black Titania with Unique Nanocage Structure for Solar Desalination. *ACS Applied Materials & Interfaces*, **2016**, 8, 31716-31721	9.5	210
264	Progress in Black Titania: A New Material for Advanced Photocatalysis. *Advanced Energy Materials*, **2016**, 6, 1600452	21.8	193
263	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
262	A Robust and Conductive Black Tin Oxide Nanostructure Makes Efficient Lithium-Ion Batteries Possible. *Advanced Materials*, **2017**, 29, 1700136	24	173
261	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
260	A new tubular graphene form of a tetrahedrally connected cellular structure. *Advanced Materials*, **2015**, 27, 5943-9	24	163
259	Direct growth of few-layer graphene films on SiO2 substrates and their photovoltaic applications. *Journal of Materials Chemistry*, **2012**, 22, 411-416		154
258	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
257	Black brookite titania with high solar absorption and excellent photocatalytic performance. *Journal of Materials Chemistry A*, **2013**, 1, 9650	13	150

256	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
255	Highly conductive and flexible paper of 1D silver-nanowire-doped graphene. *ACS Applied Materials & Interfaces*, **2013**, 5, 1408-13	9.5	136
254	Observation of Superconductivity in Tetragonal FeS. *Journal of the American Chemical Society*, **2015** , 137, 10148-51	16.4	134
253	Atomic-Sized Pores Enhanced Electrocatalysis of TaS Nanosheets for Hydrogen Evolution. *Advanced Materials*, **2016**, 28, 8945-8949	24	121
252	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
251	Conductive Carbon Nitride for Excellent Energy Storage. *Advanced Materials*, **2017**, 29, 1701674	24	112
250	New layered materials: syntheses, structures, and optical and magnetic properties of CsGdZnSe3, CsZrCuSe3, CsUCuSe3, and BaGdCuSe3. *Inorganic Chemistry*, **2001**, 40, 5123-6	5.1	107
249	Highly conductive three-dimensional graphene for enhancing the rate performance of LiFePO4 cathode. *Journal of Power Sources*, **2012**, 203, 130-134	8.9	103
248	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
247	Structure-dependent photocatalytic activities of MWO4 (M = Ca, Sr, Ba). *Journal of Molecular Catalysis A*, **2009**, 302, 54-58		92
246	Structure Re-determination and Superconductivity Observation of Bulk 1T MoS. *Angewandte Chemie - International Edition*, **2018**, 57, 1232-1235	16.4	88
245	Photocatalytic activities of M2Sb2O7 (M=Ca, Sr) for degrading methyl orange. *Applied Catalysis A: General*, **2006**, 313, 218-223	5.1	87
244	New Graphene Form of Nanoporous Monolith for Excellent Energy Storage. *Nano Letters*, **2016**, 16, 349-54	11.5	86
243	Large-scale preparation of highly conductive three dimensional graphene and its applications in CdTe solar cells. *Journal of Materials Chemistry*, **2011**, 21, 17366		84
242	Superconductivity in LiFeO2Fe2Se2 with anti-PbO-type spacer layers. *Physical Review B*, **2014**, 89,	3.3	83
241	Improved visible-light photocatalysis of nano-Bi2Sn2O7 with dispersed s-bands. *Journal of Materials Chemistry*, **2011**, 21, 3872		82
240	Thermal decomposition of bismuth oxysulfide from photoelectric Bi2O2S to superconducting Bi4O4S3. *ACS Applied Materials & Interfaces*, **2015**, 7, 4442-8	9.5	79
239	Hydrogenated blue titania with high solar absorption and greatly improved photocatalysis. *Nanoscale*, **2016**, 8, 4705-12	7.7	74

238	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
237	Enhanced specific capacitance by a new dual redox-active electrolyte in activated carbon-based supercapacitors. *Carbon*, **2019**, 143, 300-308	10.4	69
236	Nickel catalyst stabilization via graphene encapsulation for enhanced methanation reaction. *Journal of Catalysis*, **2016**, 334, 42-51	7.3	68
235	Doped, conductive SiO nanoparticles for large microwave absorption. *Light: Science and Applications*, **2018**, 7, 87	16.7	68
234	Metastable MoS : Crystal Structure, Electronic Band Structure, Synthetic Approach and Intriguing Physical Properties. *Chemistry - A European Journal*, **2018**, 24, 15942-15954	4.8	67
233	Black nanostructured Nb2O5 with improved solar absorption and enhanced photoelectrochemical water splitting. *Journal of Materials Chemistry A*, **2015**, 3, 11830-11837	13	66
232	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
231	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
230	Enhanced Superconductivity in Restacked TaS Nanosheets. *Journal of the American Chemical Society* , **2017**, 139, 4623-4626	16.4	62
229	Copper nanodot-embedded graphene urchins of nearly full-spectrum solar absorption and extraordinary solar desalination. *Nano Energy*, **2018**, 53, 425-431	17.1	62
228	Observation of superconductivity in 1T?-MoS2 nanosheets. *Journal of Materials Chemistry C*, **2017**, 5, 10855-10860	7.1	60
227	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
226	Black Titania for Superior Photocatalytic Hydrogen Production and Photoelectrochemical Water Splitting. *ChemCatChem*, **2015**, 7, 2614-2619	5.2	59
225	In situ grown graphene-encapsulated germanium nanowires for superior lithium-ion storage properties. *Journal of Materials Chemistry A*, **2013**, 1, 8897	13	58
224	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
223	Organic□inorganic halide perovskite based solar cells □revolutionary progress in photovoltaics. *Inorganic Chemistry Frontiers*, **2015**, 2, 315-335	6.8	55
222	Study of LiFePO4 cathode modified by graphene sheets for high-performance lithium ion batteries. *Electrochimica Acta*, **2013**, 88, 414-420	6.7	55
221	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

220	Gray Ta2O5 Nanowires with Greatly Enhanced Photocatalytic Performance. *ACS Applied Materials & Interfaces*, **2016**, 8, 122-7	9.5	53
219	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
218	Toward large-scale water treatment using nanomaterials. *Nano Today*, **2019**, 27, 11-27	17.9	48
217	Hydrogen plasma reduced black TiO2B nanowires for enhanced photoelectrochemical water-splitting. *Journal of Power Sources*, **2016**, 325, 697-705	8.9	46
216	Discovery of Superconductivity in 2M WS with Possible Topological Surface States. *Advanced Materials*, **2019**, 31, e1901942	24	44
215	Evidence of anisotropic Majorana bound states in 2M-WS2. *Nature Physics*, **2019**, 15, 1046-1051	16.2	44
214	Direct synthesis of ethanol via CO hydrogenation using supported gold catalysts. *Chemical Communications*, **2016**, 52, 14226-14229	5.8	43
213	Nickel nitride□black phosphorus heterostructure nanosheets for boosting the electrocatalytic activity towards the oxygen evolution reaction. *Journal of Materials Chemistry A*, **2019**, 7, 22063-22069	13	41
212	Nitrogen and oxygen dual-doped carbon nanohorn for electrochemical capacitors. *Carbon*, **2017**, 118, 511-516	10.4	40
211	Novel antimonate photocatalysts MSb2O6 (M = Ca, Sr and Ba): a correlation between packing factor and photocatalytic activity. *Physical Chemistry Chemical Physics*, **2009**, 11, 10047-52	3.6	39
210	Controllable reduced black titania with enhanced photoelectrochemical water splitting performance. *Dalton Transactions*, **2017**, 46, 1047-1051	4.3	38
209	Synthesis, Crystal Structure, and Photoelectric Properties of a New Layered Bismuth Oxysulfide. *Inorganic Chemistry*, **2015**, 54, 5768-73	5.1	38
208	Ruthenium-Doped Cobalt-Chromium Layered Double Hydroxides for Enhancing Oxygen Evolution through Regulating Charge Transfer. *Small*, **2020**, 16, e1905328	11	37
207	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
206	Efficient Reduction of CO to CO Using Cobalt-Cobalt Oxide Core-Shell Catalysts. *Chemistry - A European Journal*, **2018**, 24, 2157-2163	4.8	36
205	A one-pot method to grow pyrochlore H4Nb2O7-octahedron-based photocatalyst. *Journal of Materials Chemistry*, **2010**, 20, 1942		36
204	Black strontium titanate nanocrystals of enhanced solar absorption for photocatalysis. *CrystEngComm*, **2015**, 17, 7528-7534	3.3	35
203	Efficient Conversion of CO2 to Methane Photocatalyzed by Conductive Black Titania. *ChemCatChem*, **2017**, 9, 4389-4396	5.2	34

202	Controllable synthesis of silver cyanamide as a new semiconductor photocatalyst under visible-light irradiation. *Journal of Materials Chemistry A*, **2013**, 1, 7942	13	33
201	Structure Re-determination and Superconductivity Observation of Bulk 1T MoS2. *Angewandte Chemie*, **2018**, 130, 1246-1249	3.6	33
200	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
199	Nano Titanium Monoxide Crystals and Unusual Superconductivity at 11 K. *Advanced Materials*, **2018**, 30, 1706240	24	32
198	Biomolecule-assisted route to prepare titania mesoporous hollow structures. *Chemistry - A European Journal*, **2011**, 17, 11535-41	4.8	32
197	"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
196	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
195	Bi3+-doped CH3NH3PbI3: Red-shifting absorption edge and longer charge carrier lifetime. *Journal of Alloys and Compounds*, **2017**, 695, 555-560	5.7	29
194	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
193	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
192	Synthesis of Highly Stable Graphene-Encapsulated Iron Nanoparticles for Catalytic Syngas Conversion. *Particle and Particle Systems Characterization*, **2015**, 32, 29-34	3.1	27
191	A three-dimensional elastic macroscopic graphene network for thermal management application. *Journal of Materials Chemistry A*, **2014**, 2, 18215-18218	13	26
190	Synthesis, crystal structure, electronic structure, and photoelectric response properties of KCu2SbS3. *Dalton Transactions*, **2016**, 45, 3473-9	4.3	25
189	Efficient Photocatalytic Reduction of CO2 Using Carbon-Doped Amorphous Titanium Oxide. *ChemCatChem*, **2018**, 10, 3854-3861	5.2	25
188	New layered materials: syntheses, structures, and optical properties of K(2)TiCu(2)S(4), Rb(2)TiCu(2)S(4), Rb(2)TiaAg(2)S(4), Cs(2)TiAg(2)sS(4), and Cs(2)TiCu(2)Se(4). *Inorganic Chemistry*, **2001**, 40, 2602-7	5.1	25
187	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
186	Effect of structural packing on the luminescence properties in tungsten bronze compounds M2KNb5O15 (M=Ca, Sr, Ba). *Journal of Solid State Chemistry*, **2012**, 192, 182-185	3.3	24
185	Recent progress and perspectives of defective oxide anode materials for advanced lithium ion battery. *EnergyChem*, **2020**, 2, 100045	36.9	24

184	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
183	Intrinsic Electron Localization of Metastable MoS Boosts Electrocatalytic Nitrogen Reduction to Ammonia. *Advanced Materials*, **2021**, 33, e2007509	24	22
182	Enhanced Superconductivity in Rock-Salt TiO. *ACS Omega*, **2017**, 2, 1036-1039	3.9	21
181	Atomic Pillar Effect in PdxNbS2 To Boost Basal Plane Activity for Stable Hydrogen Evolution. *Chemistry of Materials*, **2019**, 31, 4726-4731	9.6	21
180	Superconductivity and phase diagram of (Li0.8Fe0.2)OHFeSe1□Sx. *Physical Review B*, **2014**, 90,	3.3	21
179	Orthorhombic NbO for Durable High-Rate Anode of Li-Ion Batteries. *IScience*, **2020**, 23, 100767	6.1	21
178	Superconductivity in the metastable 1T? and 1T?? phases of MoS2 crystals. *Physical Review B*, **2018**, 98,	3.3	21
177	Boron Embedded in Metal Iron Matrix as a Novel Anode Material of Excellent Performance. *Advanced Materials*, **2018**, 30, e1801409	24	20
176	CoN loaded N-doped carbon as an efficient bifunctional oxygen electrocatalyst for a Zn-air battery. *Nanoscale*, **2020**, 12, 6089-6095	7.7	19
175	Renewable P-type zeolite for superior absorption of heavy metals: Isotherms, kinetics, and mechanism. *Science of the Total Environment*, **2020**, 726, 138535	10.2	19
174	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
173	Molten salt assisted synthesis of black titania hexagonal nanosheets with tuneable phase composition and morphology. *RSC Advances*, **2015**, 5, 85928-85932	3.7	18
172	Honeycomb RhI Flakes with High Environmental Stability for Optoelectronics. *Advanced Materials*, **2020**, 32, e2001979	24	18
171	Monodisperse Pt nanoparticles anchored on N-doped black TiO2 as high performance bifunctional electrocatalyst. *Journal of Alloys and Compounds*, **2017**, 701, 669-675	5.7	17
170	Superelastic Few-Layer Carbon Foam Made from Natural Cotton for All-Solid-State Electrochemical Capacitors. *ACS Applied Materials & Interfaces*, **2015**, 7, 25306-12	9.5	17
169	Synthesis, Crystal Structure, and Optical Properties of Noncentrosymmetric NaZnSnS. *Inorganic Chemistry*, **2018**, 57, 9918-9924	5.1	17
168	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
167	Synthesis, crystal structures and optical properties of noncentrosymmetric oxysulfides AeGeSO (Ae = Sr, Ba). *Dalton Transactions*, **2019**, 48, 14662-14668	4.3	16

166	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
165	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
164	Synthesis, crystal structure and physical properties of [Li0.85Fe0.15OH][FeS]. *RSC Advances*, **2015**, 5, 38248-38253	3.7	16
163	Engineering Metallic Heterostructure Based on Ni N and 2M-MoS for Alkaline Water Electrolysis with Industry-Compatible Current Density and Stability.. *Advanced Materials*, **2021**, e2108505	24	16
162	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
161	Nodal superconductivity in FeS: Evidence from quasiparticle heat transport. *Physical Review B*, **2016**, 94,	3.3	16
160	Interstitial boron-doped mesoporous semiconductor oxides for ultratransparent energy storage. *Nature Communications*, **2021**, 12, 445	17.4	16
159	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
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	2D NbOI : A Chiral Semiconductor with Highly In-Plane Anisotropic Electrical and Optical Properties. *Advanced Materials*, **2021**, 33, e2101505	24	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
153	Atom-scale dispersed palladium in a conductive Pd0.1TaS2 lattice with a unique electronic structure for efficient hydrogen evolution. *Journal of Materials Chemistry A*, **2017**, 5, 22618-22624	13	14
152	Boron-Induced Nitrogen Fixation in 3D Carbon Materials for Supercapacitors. *ACS Applied Materials & Interfaces*, **2020**, 12, 28075-28082	9.5	14
151	K(HO)MoS as a universal host for rechargeable aqueous cation (K, Na, Li, NH, Mg, Al) batteries. *Dalton Transactions*, **2020**, 49, 3488-3494	4.3	14
150	Constructing hierarchical porous carbon via tin punching for efficient electrochemical energy storage. *Carbon*, **2018**, 134, 391-397	10.4	14
149	Surface confined titania redox couple for ultrafast energy storage. *Materials Horizons*, **2018**, 5, 691-698	14.4	14

148	Semiconductive KMSbS(SH) (M = Zn, Cd) Featuring One-Dimensional [MSbS(SH)] Chains. *Inorganic Chemistry*, **2016**, 55, 9742-9747	5.1	14
147	Prominent Electron Penetration through Ultrathin Graphene Layer from FeNi Alloy for Efficient Reduction of CO to CO. *ChemSusChem*, **2017**, 10, 3044-3048	8.3	14
146	Constructing mesoporous phosphated titanium oxide for efficient Cr(III) removal. *Journal of Hazardous Materials*, **2020**, 384, 121278	12.8	14
145	Cooperative Catalysis of Nickel and Nickel Oxide for Efficient Reduction of CO2 to CH4. *ChemCatChem*, **2019**, 11, 1295-1302	5.2	14
144	Porous NiCo2S4/Co9S8 Microcubes Templated by Sacrificial ZnO Spheres as an Efficient Bifunctional Oxygen Electrocatalyst. *Advanced Sustainable Systems*, **2019**, 3, 1800167	5.9	13
143	Ultra-Light Graphene Tile-Based Phase-Change Material for Efficient Thermal and Solar Energy Harvest. *ACS Applied Energy Materials*, **2020**, 3, 5517-5522	6.1	13
142	SrGaOS: A Nonlinear Optical Oxysulfide with Melilite-Derived Structure and Wide Band Gap. *Inorganic Chemistry*, **2020**, 59, 9944-9950	5.1	13
141	Silver cyanamide nanoparticles decorated ultrathin graphitic carbon nitride nanosheets for enhanced visible-light-driven photocatalysis. *Catalysis Science and Technology*, **2018**, 8, 1447-1453	5.5	13
140	Nonaqueous synthesis of metal cyanamide semiconductor nanocrystals for photocatalytic water oxidation. *Chemical Communications*, **2018**, 54, 1575-1578	5.8	13
139	Observation of High Seebeck Coefficient and Low Thermal Conductivity in [SrO]-Intercalated CuSbSe2 Compound. *Chemistry of Materials*, **2018**, 30, 5539-5543	9.6	13
138	Graphene-like carbon with three-dimensional periodicity prepared from organic-inorganic templates for energy storage application. *Carbon*, **2017**, 111, 128-132	10.4	13
137	Quasi-linear dependence of cation filling on the photocatalysis of A(x)BO3-based tunnel compounds. *Dalton Transactions*, **2011**, 40, 6906-11	4.3	13
136	Syntheses and structures of LiAuS and Li(3)AuS(2). *Inorganic Chemistry*, **2001**, 40, 1397-8	5.1	13
135	One-Step High-Temperature-Synthesized Single-Atom Platinum Catalyst for Efficient Selective Hydrogenation. *Research*, **2020**, 2020, 9140841	7.8	13
134	Introducing sulfur vacancies and in-plane SnS2/SnO2 heterojunction in SnS2 nanosheets to promote photocatalytic activity. *Chinese Chemical Letters*, **2020**, 31, 2809-2813	8.1	13
133	From CuFeS to BaCuFeGeS: rational band gap engineering achieves large second-harmonic-generation together with high laser damage threshold. *Chemical Communications*, **2019**, 55, 14510-14513	5.8	13
132	Sol-gel assisted chemical activation for nitrogen doped porous carbon. *Microporous and Mesoporous Materials*, **2019**, 286, 18-24	5.3	12
131	Boosting the Stable Na Storage Performance in 1D Oxysulfide. *Advanced Energy Materials*, **2019**, 9, 1900178	17.8	12

130	Observation of superconductivity in pressurized 2M WSe2 crystals. *Journal of Materials Chemistry C*, **2019**, 7, 8551-8555	7.1	12
129	Low temperature synthesis and structures of alkaline earth metal chalcogenides Ba3Cu4SbS6OH, BaCuSbS3 and BaCu2S2. *RSC Advances*, **2014**, 4, 28937	3.7	12
128	Facile sol-gel method combined with chemical vapor deposition for mesoporous few-layer carbon. *Carbon*, **2017**, 112, 47-52	10.4	12
127	Hierarchically porous hard carbon with graphite nanocrystals for high-rate sodium ion batteries with improved initial Coulombic efficiency. *Journal of Alloys and Compounds*, **2020**, 817, 152703	5.7	12
126	Oxygen-enriched tubular carbon for efficient solar steam generation. *Carbon*, **2020**, 170, 256-263	10.4	11
125	Sr6Cd2Sb6O7S10: Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. *Angewandte Chemie*, **2019**, 131, 8162-8165	3.6	10
124	Sr4Pb1.5Sb5O5Se8: a new mid-infrared nonlinear optical material with a moderate SHG response. *CrystEngComm*, **2020**, 22, 3526-3530	3.3	10
123	Gate-Tunable Electrical Transport in Thin 2M-WS2 Flakes. *Advanced Electronic Materials*, **2019**, 5, 1900468	6.4	10
122	Robust Anion Exchange Realized in Crystalline Metal Cyanamide Nanoparticles. *Chemistry of Materials*, **2019**, 31, 9532-9539	9.6	10
121	Conductive Black Titania Nanomaterials for Efficient Photocatalytic Degradation of Organic Pollutants. *Catalysis Letters*, **2020**, 150, 1346-1354	2.8	10
120	Capacitive lithium storage of lithiated mesoporous titania. *Materials Today Energy*, **2018**, 9, 240-246	7	10
119	Synthesis of Co2P nanoparticles decorated nitrogen, phosphorus Co-doped Carbon-CeO2 composites for highly efficient oxygen reduction. *Journal of Alloys and Compounds*, **2019**, 801, 192-198	5.7	9
118	In Situ Synthesis of MoC Nanodot@Carbon Hybrids for Capacitive Lithium-Ion Storage. *ACS Applied Materials & Interfaces*, **2019**, 11, 19977-19985	9.5	9
117	Self-templated synthesis of heavily nitrogen-doped hollow carbon spheres. *Chemical Communications*, **2018**, 54, 4565-4568	5.8	9
116	2H-NbS film as a novel counter electrode for meso-structured perovskite solar cells. *Scientific Reports*, **2018**, 8, 7033	4.9	9
115	A novel ultralight three-dimensional house-of-cards titania monolith for extraordinary heavy-metal adsorption. *Journal of Materials Chemistry A*, **2017**, 5, 15724-15729	13	9
114	Dehalogenation on the surface of nano-templates: A rational route to tailor halogenated polymer-derived soft carbon. *Carbon*, **2020**, 159, 221-228	10.4	9
113	Extraordinary Porous Few-Layer Carbons of High Capacitance from Pechini Combustion of Magnesium Nitrate Gel. *ACS Applied Materials & Interfaces*, **2018**, 10, 381-388	9.5	9

112	Enhancing electrocatalytic water splitting by surface defect engineering in two-dimensional electrocatalysts. *Nanoscale*, **2021**, 13, 1581-1595	7.7	9
111	Effective incorporation of nitrogen and boron in worm-like carbon foam for confining polysulfides. *Carbon*, **2019**, 155, 379-385	10.4	8
110	Enhanced Charge Carrier Lifetime of TiS3 Photoanode by Introduction of S22− Vacancies for Efficient Photoelectrochemical Hydrogen Evolution. *Advanced Functional Materials*, **2020**, 30, 2001286	15.6	8
109	Amorphous phosphated titanium oxide with amino and hydroxyl bifunctional groups for highly efficient heavy metal removal. *Environmental Science: Nano*, **2020**, 7, 1266-1274	7.1	8
108	Nitrogen-doped black titania for high performance supercapacitors. *Science China Materials*, **2020**, 63, 1227-1234	7.1	8
107	Efficient conversion of CO2 to methane using thin-layer SiOx matrix anchored nickel catalysts. *New Journal of Chemistry*, **2019**, 43, 13217-13224	3.6	8
106	Magnetotransport of polycrystalline graphene: Shubnikov-de Haas oscillation and weak localization study. *Applied Physics Letters*, **2013**, 102, 233503	3.4	8
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