Hong Jin Fan

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.

269 papers	33,875 citations	89 h-index	180 g-index
288 ext. papers	38,301 ext. citations	12 avg, IF	7.64 L-index

#	Paper	IF	Citations
269	Design Strategies for High-Energy-Density Aqueous Zinc Batteries.. *Angewandte Chemie - International Edition*, **2022**,	16.4	37
268	Re-Understanding the Reaction Mechanism of Aqueous Zn-Mn Battery in Sulfate Electrolytes: Role of the Zinc Sulfate Hydroxide.. *Advanced Materials*, **2022**, e2109092	24	11
267	Aqueous Zn2+/Na+ dual-salt batteries with stable discharge voltage and high columbic efficiency by systematic electrolyte regulation. *Science China Chemistry*, **2022**, 65, 399	7.9	3
266	An analysis of the electrochemical mechanism of manganese oxides in aqueous zinc batteries. *CheM*, **2022**, 8, 924-946	16.2	7
265	Biaxial Strained MoS Nanoshells with Controllable Layers Boost Alkaline Hydrogen Evolution.. *Advanced Materials*, **2022**, e2202195	24	8
264	Stable Zinc Anode Enabled by Zincophilic Polyanionic Hydrogel Layer.. *Advanced Materials*, **2022**, e2202382	24	24
263	Electronegativity Induced Charge Balancing to Boost Stability and Activity of Amorphous Electrocatalyst.. *Advanced Materials*, **2021**, e2100537	24	6
262	Printed Zinc Paper Batteries. *Advanced Science*, **2021**, 9, e2103894	13.6	7
261	Recent Progress on Two-Dimensional Materials. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2021**, 2108017-0	3.8	69
260	Atomically Dispersed Co -N and Fe-N Costructures Boost Oxygen Reduction Reaction in Both Alkaline and Acidic Media. *Advanced Materials*, **2021**, e2104718	24	41
259	Amorphous VO : A Pseudocapacitive Platform for High-Rate Symmetric Batteries. *Advanced Materials*, **2021**, 33, e2103736	24	8
258	Concurrent H Generation and Formate Production Assisted by CO Absorption in One Electrolyzer.. *Small Methods*, **2021**, 5, e2100871	12.8	2
257	Metal organic framework (MOF) in aqueous energy devices. *Materials Today*, **2021**, 48, 270-270	21.8	16
256	High-mass loading V3O7H2O nanoarray for Zn-ion battery: New synthesis and two-stage ion intercalation chemistry. *Nano Energy*, **2021**, 83, 105835	17.1	36
255	Mechanistic Insights of Mg2+-Electrolyte Additive for High-Energy and Long-Life Zinc-Ion Hybrid Capacitors. *Advanced Energy Materials*, **2021**, 11, 2101158	21.8	30
254	Boosting alkaline water electrolysis by asymmetric temperature modulation. *Applied Physics Letters* , **2021**, 119, 013901	3.4	0
253	From aqueous Zn-ion battery to Zn-MnO2 flow battery: A brief story. *Journal of Energy Chemistry*, **2021**, 54, 194-201	12	81

252	Single-Crystalline TiO2(B) Nanobelts with Unusual Large Exposed {100} Facets and Enhanced Li-Storage Capacity. *Advanced Functional Materials*, **2021**, 31, 2002187	15.6	12
251	Aligned Arrays of Na2Ti3O7 Nanobelts and Nanowires on Carbon Nanofiber as High-Rate and Long-Cycling Anodes for Sodium-Ion Hybrid Capacitors. *Small Structures*, **2021**, 2, 2000073	8.7	18
250	Progress and Challenge of Amorphous Catalysts for Electrochemical Water Splitting **2021**, 3, 136-147		54
249	C-plasma derived precise volumetric buffering for high-rate and stable alloying-type energy storage. *Nano Energy*, **2021**, 80, 105557	17.1	0
248	Poly(2,5-Dihydroxy-1,4-Benzoquinonyl Sulfide) As an Efficient Cathode for High-Performance Aqueous Zinc□Organic Batteries. *Advanced Functional Materials*, **2021**, 31, 2010049	15.6	46
247	Room-temperature continuous-wave vertical-cavity surface-emitting lasers based on 2D layered organic□inorganic hybrid perovskites. *APL Materials*, **2021**, 9, 071106	5.7	5
246	Bilayer porous polymer for efficient passive building cooling. *Nano Energy*, **2021**, 85, 105971	17.1	25
245	Understanding cathode materials in aqueous zinc□organic batteries. *Current Opinion in Electrochemistry*, **2021**, 30, 100799	7.2	6
244	Tip-Enhanced Electric Field: A New Mechanism Promoting Mass Transfer in Oxygen Evolution Reactions. *Advanced Materials*, **2021**, 33, e2007377	24	58
243	Ferroelastic-switching-driven large shear strain and piezoelectricity in a hybrid ferroelectric. *Nature Materials*, **2021**, 20, 612-617	27	28
242	Thermal Self-Protection of Zinc-Ion Batteries Enabled by Smart Hygroscopic Hydrogel Electrolytes. *Advanced Energy Materials*, **2020**, 10, 2002898	21.8	44
241	Electrochemical Impedance Analysis of Thermogalvanic Cells. *Chemical Research in Chinese Universities*, **2020**, 36, 420-424	2.2	3
240	Enhanced performance of in-plane transition metal dichalcogenides monolayers by configuring local atomic structures. *Nature Communications*, **2020**, 11, 2253	17.4	58
239	Fluorine-Induced Dual Defects in Cobalt Phosphide Nanosheets Enhance Hydrogen Evolution Reaction Activity **2020**, 2, 736-743		33
238	Flexible Pseudocapacitive Electrochromics via Inkjet Printing of Additive-Free Tungsten Oxide Nanocrystal Ink. *Advanced Energy Materials*, **2020**, 10, 2000142	21.8	45
237	Al O -Assisted Confinement Synthesis of Oxide/Carbon Hollow Composite Nanofibers and Application in Metal-Ion Capacitors. *Small*, **2020**, 16, e2001950	11	47
236	Enhancing bifunctionality of CoN nanowires by Mn doping for long-lasting Zn-air batteries. *Science China Chemistry*, **2020**, 63, 890-896	7.9	17
235	Integration of flexibility, cyclability and high-capacity into one electrode for sodium-ion hybrid capacitors with low self-discharge rate. *Energy Storage Materials*, **2020**, 25, 114-123	19.4	71

234	Exceptional performance of hierarchical NiFe oxyhydroxide@NiFe alloy nanowire array electrocatalysts for large current density water splitting. *Energy and Environmental Science*, **2020**, 13, 86-95	35.4	334
233	PtPdAg Hollow Nanodendrites: Template-Free Synthesis and High Electrocatalytic Activity for Methanol Oxidation Reaction. *Small Methods*, **2020**, 4, 1900709	12.8	25
232	Air Stable Organic-Inorganic Perovskite Nanocrystals@Polymer Nanofibers and Waveguide Lasing. *Small*, **2020**, 16, e2004409	11	9
231	Inkjet and Extrusion Printing for Electrochemical Energy Storage: A Minireview. *Advanced Materials Technologies*, **2020**, 5, 2000217	6.8	21
230	Dual-Carbon Batteries: Materials and Mechanism. *Small*, **2020**, 16, e2002803	11	23
229	In Situ Hard-Template Synthesis of Hollow Bowl-Like Carbon: A Potential Versatile Platform for Sodium and Zinc Ion Capacitors. *Advanced Energy Materials*, **2020**, 10, 2002741	21.8	72
228	Continuous Tuning of Au-Cu O Janus Nanostructures for Efficient Charge Separation. *Angewandte Chemie - International Edition*, **2020**, 59, 22246-22251	16.4	30
227	Atomic-Layer-Deposited Amorphous MoS2 for Durable and Flexible Li□2 Batteries. *Small Methods*, **2020**, 4, 1900274	12.8	34
226	Combining CoS and Ni:CoS nanowires as efficient catalysts for overall water splitting: an experimental and theoretical study. *Nanoscale*, **2019**, 11, 2202-2210	7.7	55
225	High-Index-Faceted NiS Branch Arrays as Bifunctional Electrocatalysts for Efficient Water Splitting. *Nano-Micro Letters*, **2019**, 11, 12	19.5	50
224	Pseudocapacitor Electrodes: Regular Pores Matter. *Joule*, **2019**, 3, 317-319	27.8	14
223	Hierarchical vertical graphene nanotube arrays via universal carbon plasma processing strategy: A platform for high-rate performance battery electrodes. *Energy Storage Materials*, **2019**, 18, 462-469	19.4	9
222	Intercalation Pseudocapacitive Behavior Powers Aqueous Batteries. *CheM*, **2019**, 5, 1359-1361	16.2	66
221	Intercalation Na-ion storage in two-dimensional MoS2-xSex and capacity enhancement by selenium substitution. *Energy Storage Materials*, **2018**, 14, 136-142	19.4	72
220	Prereduction of Metal Oxides via Carbon Plasma Treatment for Efficient and Stable Electrocatalytic Hydrogen Evolution. *Small*, **2018**, 14, e1800340	11	24
219	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. *Advanced Materials*, **2018**, 30, e1705516	24	273
218	Flexible Quasi-Solid-State Sodium-Ion Capacitors Developed Using 2D Metal□Organic-Framework Array as Reactor. *Advanced Energy Materials*, **2018**, 8, 1702769	21.8	163
217	Sodium Vanadium Fluorophosphates (NVOPF) Array Cathode Designed for High-Rate Full Sodium Ion Storage Device. *Advanced Energy Materials*, **2018**, 8, 1800058	21.8	124

216	Molecular Engineering toward Coexistence of Dielectric and Optical Switch Behavior in Hybrid Perovskite Phase Transition Material. *Journal of Physical Chemistry A*, **2018**, 122, 6416-6423	2.8	15
215	Strong Electronic Interaction in Dual-Cation-Incorporated NiSe Nanosheets with Lattice Distortion for Highly Efficient Overall Water Splitting. *Advanced Materials*, **2018**, 30, e1802121	24	255
214	Partial Nitridation-Induced Electrochemistry Enhancement of Ternary Oxide Nanosheets for Fiber Energy Storage Device. *Advanced Energy Materials*, **2018**, 8, 1800685	21.8	54
213	Recent Advances in Zn-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1802564	15.6	981
212	Hyperbranched TiO-CdS nano-heterostructures for highly efficient photoelectrochemical photoanodes. *Nanotechnology*, **2018**, 29, 335404	3.4	11
211	A brief review on plasma for synthesis and processing of electrode materials. *Materials Today Nano*, **2018**, 3, 28-47	9.7	30
210	C-Plasma of Hierarchical Graphene Survives SnS Bundles for Ultrastable and High Volumetric Na-Ion Storage. *Advanced Materials*, **2018**, 30, e1804833	24	98
209	Light-Tunable 1T-TaS Charge-Density-Wave Oscillators. *ACS Nano*, **2018**, 12, 11203-11210	16.7	32
208	Yin-Yang Harmony: Metal and Nonmetal Dual-Doping Boosts Electrocatalytic Activity for Alkaline Hydrogen Evolution. *ACS Energy Letters*, **2018**, 3, 2750-2756	20.1	103
207	In-Plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. *Advanced Materials*, **2018**, 30, e1803249	24	45
206	A High-Rate and Stable Quasi-Solid-State Zinc-Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. *Advanced Materials*, **2018**, 30, e1803181	24	389
205	Magnetic-field-induced rapid synthesis of defect-enriched Ni-Co nanowire membrane as highly efficient hydrogen evolution electrocatalyst. *Nano Energy*, **2018**, 51, 349-357	17.1	47
204	Room-temperature electrically driven phase transition of two-dimensional 1T-TaS layers. *Nanoscale* , **2017**, 9, 2436-2441	7.7	16
203	High-content of sulfur uniformly embedded in mesoporous carbon: a new electrodeposition synthesis and an outstanding lithium–sulfur battery cathode. *Journal of Materials Chemistry A*, **2017** , 5, 5905-5911	13	35
202	Silica-modified SnO2-graphene “slime” for self-enhanced li-ion battery anode. *Nano Energy*, **2017**, 34, 449-455	17.1	55
201	Self-branched α-MnO2/β-MnO2 heterojunction nanowires with enhanced pseudocapacitance. *Materials Horizons*, **2017**, 4, 415-422	14.4	89
200	A reduced graphene oxide/mixed-valence manganese oxide composite electrode for tailorable and surface mountable supercapacitors with high capacitance and super-long life. *Energy and Environmental Science*, **2017**, 10, 941-949	35.4	219
199	Substrate-Friendly Growth of Large-Sized Ni(OH) Nanosheets for Flexible Electrochromic Films. *Small*, **2017**, 13, 1700084	11	30

198	In Situ Transformation of MOFs into Layered Double Hydroxide Embedded Metal Sulfides for Improved Electrocatalytic and Supercapacitive Performance. *Advanced Materials*, **2017**, 29, 1606814	24	365
197	Ultrafine Metal Nanoparticles/N-Doped Porous Carbon Hybrids Coated on Carbon Fibers as Flexible and Binder-Free Water Splitting Catalysts. *Advanced Energy Materials*, **2017**, 7, 1700220	21.8	126
196	Integration of Energy Harvesting and Electrochemical Storage Devices. *Advanced Materials Technologies*, **2017**, 2, 1700182	6.8	63
195	Ultrathin MoSe@N-doped carbon composite nanospheres for stable Na-ion storage. *Nanotechnology*, **2017**, 28, 42LT01	3.4	43
194	Giant Enhancement of Cathodoluminescence of Monolayer Transitional Metal Dichalcogenides Semiconductors. *Nano Letters*, **2017**, 17, 6475-6480	11.5	30
193	Nonaqueous Hybrid Lithium-Ion and Sodium-Ion Capacitors. *Advanced Materials*, **2017**, 29, 1702093	24	541
192	Nitrogen-Plasma-Activated Hierarchical Nickel Nitride Nanocorals for Energy Applications. *Small*, **2017**, 13, 1604265	11	42
191	Plasma for Rapid Conversion Reactions and Surface Modification of Electrode Materials. *Small Methods*, **2017**, 1, 1700164	12.8	39
190	Ultrathin nickel boron oxide nanosheets assembled vertically on graphene: a new hybrid 2D material for enhanced photo/electro-catalysis. *Materials Horizons*, **2017**, 4, 885-894	14.4	90
189	Ultrathin CNTs@FeOOH nanoflake core/shell networks as efficient electrocatalysts for the oxygen evolution reaction. *Materials Chemistry Frontiers*, **2017**, 1, 709-715	7.8	48
188	Single-Crystalline, Metallic TiC Nanowires for Highly Robust and Wide-Temperature Electrochemical Energy Storage. *Small*, **2017**, 13, 1602742	11	73
187	Perovskite solar cell powered electrochromic batteries for smart windows. *Materials Horizons*, **2016** , 3, 588-595	14.4	118
186	Atomic Layer Deposition of Amorphous TiO2 on Carbon Nanotube Networks and Their Superior Li and Na Ion Storage Properties. *Advanced Materials Interfaces*, **2016**, 3, 1600375	4.6	63
185	New way to multi-shelled hollow spheres for robust battery electrode. *Inorganic Chemistry Frontiers* , **2016**, 3, 1004-1006	6.8	4
184	Transition Metal Carbides and Nitrides in Energy Storage and Conversion. *Advanced Science*, **2016**, 3, 1500286	13.6	762
183	Giant photostriction in organic-inorganic lead halide perovskites. *Nature Communications*, **2016**, 7, 11193	17.4	119
182	Array of nanosheets render ultrafast and high-capacity Na-ion storage by tunable pseudocapacitance. *Nature Communications*, **2016**, 7, 12122	17.4	990
181	Plasma surface functionalization induces nanostructuring and nitrogen-doping in carbon cloth with enhanced energy storage performance. *Journal of Materials Chemistry A*, **2016**, 4, 17801-17808	13	57

180	Solvent engineering for fast growth of centimetric high-quality CH3NH3PbI3 perovskite single crystals. *New Journal of Chemistry*, **2016**, 40, 7261-7264	3.6	17
179	Multiple electrical breakdowns and electrical annealing using high current approximating breakdown current of silver nanowire network. *Nanotechnology*, **2016**, 27, 025703	3.4	24
178	Photoresponse: Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS2 (Adv. Funct. Mater. 8/2016). *Advanced Functional Materials*, **2016**, 26, 1146-1146	15.6	12
177	Optoelectronic properties of atomically thin ReSSe with weak interlayer coupling. *Nanoscale*, **2016**, 8, 5826-34	7.7	27
176	Green synthesis of vertical graphene nanosheets and their application in high-performance supercapacitors. *RSC Advances*, **2016**, 6, 23968-23973	3.7	29
175	Interlayer Transition and Infrared Photodetection in Atomically Thin Type-II MoTe$_2$/MoS$_2$ van der Waals Heterostructures. *ACS Nano*, **2016**, 10, 3852-8	16.7	314
174	Atomic-layer-deposited iron oxide on arrays of metal/carbon spheres and their application for electrocatalysis. *Nano Energy*, **2016**, 20, 244-253	17.1	58
173	Rapid Synthesis of Cobalt Nitride Nanowires: Highly Efficient and Low-Cost Catalysts for Oxygen Evolution. *Angewandte Chemie - International Edition*, **2016**, 55, 8670-4	16.4	529
172	Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS2. *Advanced Functional Materials*, **2016**, 26, 1169-1177	15.6	286
171	A High-Energy Lithium-Ion Capacitor by Integration of a 3D Interconnected Titanium Carbide Nanoparticle Chain Anode with a Pyridine-Derived Porous Nitrogen-Doped Carbon Cathode. *Advanced Functional Materials*, **2016**, 26, 3082-3093	15.6	292
170	3D Porous Hierarchical Nickel–Molybdenum Nitrides Synthesized by RF Plasma as Highly Active and Stable Hydrogen-Evolution-Reaction Electrocatalysts. *Advanced Energy Materials*, **2016**, 6, 1600221	21.8	363
169	Generic Synthesis of Carbon Nanotube Branches on Metal Oxide Arrays Exhibiting Stable High-Rate and Long-Cycle Sodium-Ion Storage. *Small*, **2016**, 12, 3048-58	11	377
168	Integrated Photo-Supercapacitor Based on PEDOT Modified Printable Perovskite Solar Cell. *Advanced Materials Technologies*, **2016**, 1, 1600074	6.8	82
167	Discerning the Surface and Bulk Recombination Kinetics of Organic–Inorganic Halide Perovskite Single Crystals. *Advanced Energy Materials*, **2016**, 6, 1600551	21.8	214
166	Rapid Synthesis of Cobalt Nitride Nanowires: Highly Efficient and Low-Cost Catalysts for Oxygen Evolution. *Angewandte Chemie*, **2016**, 128, 8812-8816	3.6	103
165	3D Interdigital Au/MnO2 /Au Stacked Hybrid Electrodes for On-Chip Microsupercapacitors. *Small*, **2016**, 12, 3059-69	11	94
164	Recent Advances in Improving the Stability of Perovskite Solar Cells. *Advanced Energy Materials*, **2016**, 6, 1501420	21.8	251
163	A 2.0 V capacitive device derived from shape-preserved metal nitride nanorods. *Nano Energy*, **2016**, 26, 1-6	17.1	23

162	Energy Storage Performance Enhancement by Surface Engineering of Electrode Materials. *Advanced Materials Interfaces*, **2016**, 3, 1600430	4.6	15
161	Tailorable and Wearable Textile Devices for Solar Energy Harvesting and Simultaneous Storage. *ACS Nano*, **2016**, 10, 9201-9207	16.7	172
160	2D Black Phosphorus/SrTiO3 -Based Programmable Photoconductive Switch. *Advanced Materials*, **2016**, 28, 7768-73	24	44
159	Ultrafast-Charging Supercapacitors Based on Corn-Like Titanium Nitride Nanostructures. *Advanced Science*, **2016**, 3, 1500299	13.6	132
158	Self-induced uniaxial strain in MoS2 monolayers with local van der Waals-stacked interlayer interactions. *ACS Nano*, **2015**, 9, 2704-10	16.7	41
157	Efficient oxygen reduction reaction using mesoporous Ni-doped Co3O4 nanowire array electrocatalysts. *Journal of Materials Chemistry A*, **2015**, 3, 18372-18379	13	48
156	A mesoporous nickel counter electrode for printable and reusable perovskite solar cells. *Nanoscale*, **2015**, 7, 13363-8	7.7	51
155	Highly stable and flexible Li-ion battery anodes based on TiO2 coated 3D carbon nanostructures. *Journal of Materials Chemistry A*, **2015**, 3, 15394-15398	13	53
154	Conformal Cu2S-coated Cu2O nanostructures grown by ion exchange reaction and their photoelectrochemical properties. *Nanotechnology*, **2015**, 26, 185401	3.4	45
153	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. *Energy and Environmental Science*, **2015**, 8, 1559-1568	35.4	188
152	Functionalized highly porous graphitic carbon fibers for high-rate supercapacitive electrodes. *Nano Energy*, **2015**, 13, 658-669	17.1	150
151	Monolayers of WxMo1−xS2 alloy heterostructure with in-plane composition variations. *Applied Physics Letters*, **2015**, 106, 063113	3.4	86
150	Heterogeneous Nanostructures for Sodium Ion Batteries and Supercapacitors. *ChemNanoMat*, **2015** , 1, 458-476	3.5	25
149	A low-cost and one-step synthesis of N-doped monolithic quasi-graphene films with porous carbon frameworks for Li-ion batteries. *Nano Energy*, **2015**, 17, 43-51	17.1	68
148	Ultrathin Anatase TiO2 Nanosheets Embedded with TiO2-B Nanodomains for Lithium-Ion Storage: Capacity Enhancement by Phase Boundaries. *Advanced Energy Materials*, **2015**, 5, 1401756	21.8	175
147	Graphene quantum dots coated VO2 arrays for highly durable electrodes for Li and Na ion batteries. *Nano Letters*, **2015**, 15, 565-73	11.5	417
146	A high energy and power Li-ion capacitor based on a TiO2 nanobelt array anode and a graphene hydrogel cathode. *Small*, **2015**, 11, 1470-7	11	225
145	Novel Metal@Carbon Spheres Core–Shell Arrays by Controlled Self-Assembly of Carbon Nanospheres: A Stable and Flexible Supercapacitor Electrode. *Advanced Energy Materials*, **2015**, 5, 1401709	21.8	129

144	VO2 nanoflake arrays for supercapacitor and Li-ion battery electrodes: performance enhancement by hydrogen molybdenum bronze as an efficient shell material. *Materials Horizons*, **2015**, 2, 237-244	14.4	142
143	All Metal Nitrides Solid-State Asymmetric Supercapacitors. *Advanced Materials*, **2015**, 27, 4566-71	24	313
142	Understanding the Enhancement Mechanisms of Surface Plasmon-Mediated Photoelectrochemical Electrodes: A Case Study on Au Nanoparticle Decorated TiO2 Nanotubes. *Advanced Materials Interfaces*, **2015**, 2, 1500169	4.6	63
141	Coupling and Interlayer Exciton in Twist-Stacked WS2 Bilayers. *Advanced Optical Materials*, **2015**, 3, 1600[illegible]1605	[illegible]	35
140	Van der Waals p[illegible] Junction Based on an Organic[illegible]norganic Heterostructure. *Advanced Functional Materials*, **2015**, 25, 5865-5871	15.6	76
139	[illegible]sofacet[illegible]Anatase TiO2 Microcages: Topotactic Synthesis and Ultrastable Li-Ion Storage. *Advanced Materials Interfaces*, **2015**, 2, 1500210	4.6	18
138	Atomic-layer-deposition alumina induced carbon on porous Ni(x)Co(1-x)O nanonets for enhanced pseudocapacitive and Li-ion storage performance. *Nanotechnology*, **2015**, 26, 014001	3.4	20
137	Enhanced Lithium Storage Performance of CuO Nanowires by Coating of Graphene Quantum Dots. *Advanced Materials Interfaces*, **2015**, 2, 1400499	4.6	80
136	Applications of atomic layer deposition in solar cells. *Nanotechnology*, **2015**, 26, 064001	3.4	73
135	Solution transformation of Cu[illegible]O into CuInS[illegible]for solar water splitting. *Nano Letters*, **2015**, 15, 1395-402	11.5	102
134	Oxide nanostructures hyperbranched with thin and hollow metal shells for high-performance nanostructured battery electrodes. *Small*, **2014**, 10, 2419-28	11	35
133	TiO2 nanotube @ SnO2 nanoflake core[illegible]branch arrays for lithium-ion battery anode. *Nano Energy*, **2014**, 4, 105-112	17.1	151
132	Electrospun Fe2O3[illegible]arbon composite nanofibers as durable anode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 10835	13	86
131	Preparation of CoAl layered double hydroxide nanoflake arrays and their high supercapacitance performance. *Applied Clay Science*, **2014**, 102, 28-32	5.2	32
130	Highly stable and reversible lithium storage in SnO2 nanowires surface coated with a uniform hollow shell by atomic layer deposition. *Nano Letters*, **2014**, 14, 4852-8	11.5	242
129	Triple-layered nanostructured WO[illegible]photoanodes with enhanced photocurrent generation and superior stability for photoelectrochemical solar energy conversion. *Nanoscale*, **2014**, 6, 13457-62	7.7	52
128	Hollow nickel nanocorn arrays as three-dimensional and conductive support for metal oxides to boost supercapacitive performance. *Nanoscale*, **2014**, 6, 5691-7	7.7	39
127	Plasmonic nanoclocks. *Nano Letters*, **2014**, 14, 5162-9	11.5	8

126	Water photolysis at 12.3% efficiency via perovskite photovoltaics and Earth-abundant catalysts. *Science*, **2014**, 345, 1593-6	33.3	1920
125	Porous □Fe2O3 nanorods supported on carbon nanotubes-graphene foam as superior anode for lithium ion batteries. *Nano Energy*, **2014**, 9, 364-372	17.1	211
124	Hierarchically porous three-dimensional electrodes of CoMoO□and ZnCo□□and their high anode performance for lithium ion batteries. *Nanoscale*, **2014**, 6, 10556-61	7.7	72
123	A new type of porous graphite foams and their integrated composites with oxide/polymer core/shell nanowires for supercapacitors: structural design, fabrication, and full supercapacitor demonstrations. *Nano Letters*, **2014**, 14, 1651-8	11.5	395
122	A V2O5/conductive-polymer core/shell nanobelt array on three-dimensional graphite foam: a high-rate, ultrastable, and freestanding cathode for lithium-ion batteries. *Advanced Materials*, **2014**, 26, 5794-800	24	400
121	Three-dimensional graphene and their integrated electrodes. *Nano Today*, **2014**, 9, 785-807	17.9	228
120	A flexible alkaline rechargeable Ni/Fe battery based on graphene foam/carbon nanotubes hybrid film. *Nano Letters*, **2014**, 14, 7180-7	11.5	309
119	Atomic-layer-deposition-assisted formation of carbon nanoflakes on metal oxides and energy storage application. *Small*, **2014**, 10, 300-7	11	56
118	Synthesis of free-standing metal sulfide nanoarrays via anion exchange reaction and their electrochemical energy storage application. *Small*, **2014**, 10, 766-73	11	367
117	Solution synthesis of metal oxides for electrochemical energy storage applications. *Nanoscale*, **2014**, 6, 5008-48	7.7	321
116	Controllable growth of conducting polymers shell for constructing high-quality organic/inorganic core/shell nanostructures and their optical-electrochemical properties. *Nano Letters*, **2013**, 13, 4562-8	11.5	177
115	Photoluminescence via gap plasmons between single silver nanowires and a thin gold film. *Nanoscale*, **2013**, 5, 12086-91	7.7	19
114	Three-dimensional graphene foam supported Fe□□lithium battery anodes with long cycle life and high rate capability. *Nano Letters*, **2013**, 13, 6136-43	11.5	670
113	A Micro-pulse Process of Atomic Layer Deposition of Iron Oxide Using Ferrocene and Ozone Precursors and Ti-Doping. *Chemical Vapor Deposition*, **2013**, 19, 104-110		24
112	Photon upconversion in hetero-nanostructured photoanodes for enhanced near-infrared light harvesting. *Advanced Materials*, **2013**, 25, 1603-7	24	119
111	Ultrafast Exciton Dynamics and Two-Photon Pumped Lasing from ZnSe Nanowires. *Advanced Optical Materials*, **2013**, 1, 319-326	8.1	20
110	Exciton Dynamics: Ultrafast Exciton Dynamics and Two-Photon Pumped Lasing from ZnSe Nanowires (Advanced Optical Materials 4/2013). *Advanced Optical Materials*, **2013**, 1, 276-276	8.1	1
109	Fabrication of metal oxide nanobranches on atomic-layer-deposited TiO2 nanotube arrays and their application in energy storage. *Nanoscale*, **2013**, 5, 6040-7	7.7	77

108	Uncovering loss mechanisms in silver nanoparticle-blended plasmonic organic solar cells. *Nature Communications*, **2013**, 4, 2004	17.4	105
107	Rationally Designed Hierarchical TiO2@Fe2O3 Hollow Nanostructures for Improved Lithium Ion Storage. *Advanced Energy Materials*, **2013**, 3, 737-743	21.8	274
106	Controlled synthesis of hierarchical graphene-wrapped TiO2@Co3O4 coaxial nanobelt arrays for high-performance lithium storage. *Journal of Materials Chemistry A*, **2013**, 1, 273-281	13	122
105	Tuning the influence of metal nanoparticles on ZnO photoluminescence by atomic-layer-deposited dielectric spacer. *Nanophotonics*, **2013**, 2, 153-160	6.3	23
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