

Hong Jin Fan

List of Publications by Year in descending order

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279
papers

42,816
citations

1994

101
h-index

2243

201
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288
all docs

288
docs citations

288
times ranked

37265
citing authors

#	ARTICLE	IF	CITATIONS
1	Printed Zinc Paper Batteries. <i>Advanced Science</i> , 2022, 9, e2103894.	11.2	42
2	Aqueous Zn ²⁺ /Na ⁺ dual-salt batteries with stable discharge voltage and high coulombic efficiency by systematic electrolyte regulation. <i>Science China Chemistry</i> , 2022, 65, 399-407.	8.2	23
3	Bamboo Weaving Inspired Design of a Carbonaceous Electrode with Exceptionally High Volumetric Capacity. <i>Nano Letters</i> , 2022, 22, 954-962.	9.1	0
4	Modulating Built-in Electric Field via Variable Oxygen Affinity for Robust Hydrogen Evolution Reaction in Neutral Media. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	14
5	NiMoFe nanoparticles@MoO ₂ nano-pillar arrays as bifunctional electrodes for ultra-low-voltage overall water splitting. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3760-3770.	10.3	22
6	Modulating Built-in Electric Field via Variable Oxygen Affinity for Robust Hydrogen Evolution Reaction in Neutral Media. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	130
7	Design Strategies for High-Energy-Density Aqueous Zinc Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	47
8	Design Strategies for High-Energy-Density Aqueous Zinc Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	383
9	Electronegativity-Induced Charge Balancing to Boost Stability and Activity of Amorphous Electrocatalysts. <i>Advanced Materials</i> , 2022, 34, e2100537.	21.0	39
10	Reunderstanding the Reaction Mechanism of Aqueous Zn-Mn Batteries with Sulfate Electrolytes: Role of the Zinc Sulfate Hydroxide. <i>Advanced Materials</i> , 2022, 34, e2109092.	21.0	97
11	Hydrated Eutectic Electrolyte with Ligand-Oriented Solvation Shell to Boost the Stability of Zinc Battery. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	87
12	An analysis of the electrochemical mechanism of manganese oxides in aqueous zinc batteries. <i>Chem</i> , 2022, 8, 924-946.	11.7	92
13	Biaxially Strained MoS ₂ Nanoshells with Controllable Layers Boost Alkaline Hydrogen Evolution. <i>Advanced Materials</i> , 2022, 34, e2202195.	21.0	43
14	Stable Zinc Anodes Enabled by a Zincophilic Polyanionic Hydrogel Layer. <i>Advanced Materials</i> , 2022, 34, e2202382.	21.0	168
15	3D zincophilic micro-scaffold enables stable Zn deposition. <i>Energy Storage Materials</i> , 2022, 51, 259-265.	18.0	42
16	From aqueous Zn-ion battery to Zn-MnO ₂ flow battery: A brief story. <i>Journal of Energy Chemistry</i> , 2021, 54, 194-201.	12.9	171
17	Single-Crystalline TiO ₂ (B) Nanobelts with Unusual Large Exposed {100} Facets and Enhanced Li ⁺ Storage Capacity. <i>Advanced Functional Materials</i> , 2021, 31, 2002187.	14.9	25
18	Aligned Arrays of Na ₂ Ti ₃ O ₇ Nanobelts and Nanowires on Carbon Nanofiber as High-Rate and Long-Cycling Anodes for Sodium-Ion Hybrid Capacitors. <i>Small Structures</i> , 2021, 2, 2000073.	12.0	32

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19	Progress and Challenge of Amorphous Catalysts for Electrochemical Water Splitting. , 2021, 3, 136-147.		143
20	C-plasma derived precise volumetric buffering for high-rate and stable alloying-type energy storage. Nano Energy, 2021, 80, 105557.	16.0	4
21	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.	14.9	143
22	Metal organic framework (MOF) in aqueous energy devices. Materials Today, 2021, 48, 270-284.	14.2	82
23	High-mass loading V ₃ O ₇ ·H ₂ O nanoarray for Zn-ion battery: New synthesis and two-stage ion intercalation chemistry. Nano Energy, 2021, 83, 105835.	16.0	100
24	Mechanistic Insights of Mg ²⁺ Electrolyte Additive for High-Energy and Long-Life Zinc-Ion Hybrid Capacitors. Advanced Energy Materials, 2021, 11, 2101158.	19.5	108
25	Boosting alkaline water electrolysis by asymmetric temperature modulation. Applied Physics Letters, 2021, 119, .	3.3	2
26	Room-temperature continuous-wave vertical-cavity surface-emitting lasers based on 2D layered organic-inorganic hybrid perovskites. APL Materials, 2021, 9, 071106.	5.1	21
27	Bilayer porous polymer for efficient passive building cooling. Nano Energy, 2021, 85, 105971.	16.0	123
28	Understanding cathode materials in aqueous zinc-organic batteries. Current Opinion in Electrochemistry, 2021, 30, 100799.	4.8	18
29	Tip-Enhanced Electric Field: A New Mechanism Promoting Mass Transfer in Oxygen Evolution Reactions. Advanced Materials, 2021, 33, e2007377.	21.0	179
30	Ferroelastic-switching-driven large shear strain and piezoelectricity in a hybrid ferroelectric. Nature Materials, 2021, 20, 612-617.	27.5	87
31	Recent Progress on Two-Dimensional Materials. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2021, .	4.9	269
32	Atomically Dispersed Co ₂ -N ₆ and Fe-N ₄ Costructures Boost Oxygen Reduction Reaction in Both Alkaline and Acidic Media. Advanced Materials, 2021, 33, e2104718.	21.0	218
33	Amorphous VO ₂ : A Pseudocapacitive Platform for High-Rate Symmetric Batteries. Advanced Materials, 2021, 33, e2103736.	21.0	60
34	Concurrent H ₂ Generation and Formate Production Assisted by CO ₂ Absorption in One Electrolyzer. Small Methods, 2021, 5, e2100871.	8.6	9
35	Atomic-Layer-Deposited Amorphous MoS ₂ for Durable and Flexible Li-O ₂ Batteries. Small Methods, 2020, 4, 1900274.	8.6	52
36	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.	18.0	99

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37	Exceptional performance of hierarchical Ni ²⁺ /Fe oxyhydroxide@NiFe alloy nanowire array electrocatalysts for large current density water splitting. <i>Energy and Environmental Science</i> , 2020, 13, 86-95.	30.8	698
38	PtPdAg Hollow Nanodendrites: Template-Free Synthesis and High Electrocatalytic Activity for Methanol Oxidation Reaction. <i>Small Methods</i> , 2020, 4, 1900709.	8.6	44
39	Air Stable Organic-Inorganic Perovskite Nanocrystals@Polymer Nanofibers and Waveguide Lasing. <i>Small</i> , 2020, 16, e2004409.	10.0	29
40	Inkjet and Extrusion Printing for Electrochemical Energy Storage: A Minireview. <i>Advanced Materials Technologies</i> , 2020, 5, .	5.8	51
41	Dual-Carbon Batteries: Materials and Mechanism. <i>Small</i> , 2020, 16, e2002803.	10.0	57
42	In Situ Hard-Template Synthesis of Hollow Bowl-Like Carbon: A Potential Versatile Platform for Sodium and Zinc Ion Capacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2002741.	19.5	143
43	Continuous Tuning of Au ₂ Cu ₂ O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22246-22251.	13.8	69
44	Thermal Self-Protection of Zinc-Ion Batteries Enabled by Smart Hygroscopic Hydrogel Electrolytes. <i>Advanced Energy Materials</i> , 2020, 10, 2002898.	19.5	102
45	Electrochemical Impedance Analysis of Thermogalvanic Cells. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 420-424.	2.6	9
46	Enhanced performance of in-plane transition metal dichalcogenides monolayers by configuring local atomic structures. <i>Nature Communications</i> , 2020, 11, 2253.	12.8	112
47	Fluorine-Induced Dual Defects in Cobalt Phosphide Nanosheets Enhance Hydrogen Evolution Reaction Activity. , 2020, 2, 736-743.		81
48	Flexible Pseudocapacitive Electrochromics via Inkjet Printing of Additive-Free Tungsten Oxide Nanocrystal Ink. <i>Advanced Energy Materials</i> , 2020, 10, 2000142.	19.5	82
49	Al ₂ O ₃ -Assisted Confinement Synthesis of Oxide/Carbon Hollow Composite Nanofibers and Application in Metal-Ion Capacitors. <i>Small</i> , 2020, 16, e2001950.	10.0	65
50	Enhancing bifunctionality of CoN nanowires by Mn doping for long-lasting Zn-air batteries. <i>Science China Chemistry</i> , 2020, 63, 890-896.	8.2	41
51	(Invited) Doping and Composition Optimization of Electrocatalysts for Water Splitting and Metal-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 678-678.	0.0	0
52	(Invited) Nanoarray Cathode Design for Durable Zn Batteries. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 188-188.	0.0	0
53	Hierarchical vertical graphene nanotube arrays via universal carbon plasma processing strategy: A platform for high-rate performance battery electrodes. <i>Energy Storage Materials</i> , 2019, 18, 462-469.	18.0	14
54	Intercalation Pseudocapacitive Behavior Powers Aqueous Batteries. <i>CheM</i> , 2019, 5, 1359-1361.	11.7	128

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55	Combining Co ₃ S ₄ and Ni ₃ S ₄ nanowires as efficient catalysts for overall water splitting: an experimental and theoretical study. <i>Nanoscale</i> , 2019, 11, 2202-2210.	5.6	79
56	High-Index-Faceted Ni ₃ S ₂ Branch Arrays as Bifunctional Electrocatalysts for Efficient Water Splitting. <i>Nano-Micro Letters</i> , 2019, 11, 12.	27.0	81
57	Pseudocapacitor Electrodes: Regular Pores Matter. <i>Joule</i> , 2019, 3, 317-319.	24.0	23
58	(Invited) Bi-Functional Electrocatalysts for Water Splitting and Metal-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
59	(Invited) Nanoarray Electrodes for High-Rate Thin-Film Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
60	Intercalation Na-ion storage in two-dimensional MoS ₂ -xSex and capacity enhancement by selenium substitution. <i>Energy Storage Materials</i> , 2018, 14, 136-142.	18.0	102
61	Prereduction of Metal Oxides via Carbon Plasma Treatment for Efficient and Stable Electrocatalytic Hydrogen Evolution. <i>Small</i> , 2018, 14, e1800340.	10.0	39
62	In Situ Grown Epitaxial Heterojunction Exhibits High Performance Electrocatalytic Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1705516.	21.0	375
63	Flexible Quasi-Solid-State Sodium-Ion Capacitors Developed Using 2D Metal-Organic Framework Array as Reactor. <i>Advanced Energy Materials</i> , 2018, 8, 1702769.	19.5	195
64	Sodium Vanadium Fluorophosphates (NVOFP) Array Cathode Designed for High-Rate Full Sodium Ion Storage Device. <i>Advanced Energy Materials</i> , 2018, 8, 1800058.	19.5	157
65	A brief review on plasma for synthesis and processing of electrode materials. <i>Materials Today Nano</i> , 2018, 3, 28-47.	4.6	59
66	Plasma of Hierarchical Graphene Survives SnS Bundles for Ultrastable and High Volumetric Na-Ion Storage. <i>Advanced Materials</i> , 2018, 30, e1804833.	21.0	117
67	Light-Tunable 1T-TaS ₂ Charge-Density-Wave Oscillators. <i>ACS Nano</i> , 2018, 12, 11203-11210.	14.6	51
68	Yin-Yang Harmony: Metal and Nonmetal Dual-Doping Boosts Electrocatalytic Activity for Alkaline Hydrogen Evolution. <i>ACS Energy Letters</i> , 2018, 3, 2750-2756.	17.4	154
69	In-Plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. <i>Advanced Materials</i> , 2018, 30, e1803249.	21.0	76
70	A High-Rate and Stable Quasi-Solid-State Zinc-Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. <i>Advanced Materials</i> , 2018, 30, e1803181.	21.0	571
71	Magnetic-field-induced rapid synthesis of defect-enriched Ni-Co nanowire membrane as highly efficient hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2018, 51, 349-357.	16.0	72
72	Molecular Engineering toward Coexistence of Dielectric and Optical Switch Behavior in Hybrid Perovskite Phase Transition Material. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6416-6423.	2.5	25

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73	Strong Electronic Interaction in Dual-Cation-Incorporated NiSe ₂ Nanosheets with Lattice Distortion for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1802121.	21.0	361
74	Partial Nitridation-Induced Electrochemistry Enhancement of Ternary Oxide Nanosheets for Fiber Energy Storage Device. <i>Advanced Energy Materials</i> , 2018, 8, 1800685.	19.5	70
75	Recent Advances in Zn-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1802564.	14.9	1,595
76	Hyperbranched TiO ₂ -CdS nano-heterostructures for highly efficient photoelectrochemical photoanodes. <i>Nanotechnology</i> , 2018, 29, 335404.	2.6	16
77	Room-temperature electrically driven phase transition of two-dimensional 1T-TaS ₂ layers. <i>Nanoscale</i> , 2017, 9, 2436-2441.	5.6	19
78	High-content of sulfur uniformly embedded in mesoporous carbon: a new electrodeposition synthesis and an outstanding lithium-sulfur battery cathode. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5905-5911.	10.3	37
79	Silica-modified SnO ₂ -graphene "slime" for self-enhanced li-ion battery anode. <i>Nano Energy</i> , 2017, 34, 449-455.	16.0	62
80	Self-branched γ -MnO ₂ / β -MnO ₂ heterojunction nanowires with enhanced pseudocapacitance. <i>Materials Horizons</i> , 2017, 4, 415-422.	12.2	105
81	A reduced graphene oxide/mixed-valence manganese oxide composite electrode for tailorable and surface mountable supercapacitors with high capacitance and super-long life. <i>Energy and Environmental Science</i> , 2017, 10, 941-949.	30.8	253
82	Substrate-Friendly Growth of Large-Sized Ni(OH) ₂ Nanosheets for Flexible Electrochromic Films. <i>Small</i> , 2017, 13, 1700084.	10.0	39
83	In Situ Transformation of MOFs into Layered Double Hydroxide Embedded Metal Sulfides for Improved Electrocatalytic and Supercapacitive Performance. <i>Advanced Materials</i> , 2017, 29, 1606814.	21.0	502
84	Ultrafine Metal Nanoparticles/Na-Doped Porous Carbon Hybrids Coated on Carbon Fibers as Flexible and Binder-Free Water Splitting Catalysts. <i>Advanced Energy Materials</i> , 2017, 7, 1700220.	19.5	156
85	Integration of Energy Harvesting and Electrochemical Storage Devices. <i>Advanced Materials Technologies</i> , 2017, 2, 1700182.	5.8	78
86	Ultrathin MoSe ₂ @N-doped carbon composite nanospheres for stable Na-ion storage. <i>Nanotechnology</i> , 2017, 28, 42LT01.	2.6	55
87	Giant Enhancement of Cathodoluminescence of Monolayer Transitional Metal Dichalcogenides Semiconductors. <i>Nano Letters</i> , 2017, 17, 6475-6480.	9.1	44
88	Nonaqueous Hybrid Lithium-Ion and Sodium-Ion Capacitors. <i>Advanced Materials</i> , 2017, 29, 1702093.	21.0	699
89	Nitrogen-Plasma-Activated Hierarchical Nickel Nitride Nanocorals for Energy Applications. <i>Small</i> , 2017, 13, 1604265.	10.0	62
90	Plasma for Rapid Conversion Reactions and Surface Modification of Electrode Materials. <i>Small Methods</i> , 2017, 1, 1700164.	8.6	60

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91	Ultrathin nickel boron oxide nanosheets assembled vertically on graphene: a new hybrid 2D material for enhanced photo/electro-catalysis. <i>Materials Horizons</i> , 2017, 4, 885-894.	12.2	108
92	Ultrathin CNTs@FeOOH nanoflake core/shell networks as efficient electrocatalysts for the oxygen evolution reaction. <i>Materials Chemistry Frontiers</i> , 2017, 1, 709-715.	5.9	62
93	Single-Crystalline, Metallic TiC Nanowires for Highly Robust and Wide-Temperature Electrochemical Energy Storage. <i>Small</i> , 2017, 13, 1602742.	10.0	89
94	Rapid Synthesis of Cobalt Nitride Nanowires: Highly Efficient and Low-Cost Catalysts for Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8670-8674.	13.8	624
95	Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS ₂ . <i>Advanced Functional Materials</i> , 2016, 26, 1169-1177.	14.9	376
96	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. <i>Advanced Functional Materials</i> , 2016, 26, 3082-3093.	14.9	330
97	3D Porous Hierarchical Nickel-Molybdenum Nitrides Synthesized by RF Plasma as Highly Active and Stable Hydrogen-Evolution-Reaction Electrocatalysts. <i>Advanced Energy Materials</i> , 2016, 6, 1600221.	19.5	464
98	Generic Synthesis of Carbon Nanotube Branches on Metal Oxide Arrays Exhibiting Stable High-Rate and Long-Cycle Sodium-Ion Storage. <i>Small</i> , 2016, 12, 3048-3058.	10.0	440
99	Integrated Photo-Supercapacitor Based on PEDOT Modified Printable Perovskite Solar Cell. <i>Advanced Materials Technologies</i> , 2016, 1, 1600074.	5.8	110
100	Discerning the Surface and Bulk Recombination Kinetics of Organic-Inorganic Halide Perovskite Single Crystals. <i>Advanced Energy Materials</i> , 2016, 6, 1600551.	19.5	271
101	Rapid Synthesis of Cobalt Nitride Nanowires: Highly Efficient and Low-Cost Catalysts for Oxygen Evolution. <i>Angewandte Chemie</i> , 2016, 128, 8812-8816.	2.0	132
102	3D Interdigital Au/MnO ₂ /Au Stacked Hybrid Electrodes for On-Chip Microsupercapacitors. <i>Small</i> , 2016, 12, 3059-3069.	10.0	119
103	Recent Advances in Improving the Stability of Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1501420.	19.5	303
104	A 2.0 V capacitive device derived from shape-preserved metal nitride nanorods. <i>Nano Energy</i> , 2016, 26, 1-6.	16.0	31
105	Energy Storage Performance Enhancement by Surface Engineering of Electrode Materials. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600430.	3.7	17
106	Tailorable and Wearable Textile Devices for Solar Energy Harvesting and Simultaneous Storage. <i>ACS Nano</i> , 2016, 10, 9201-9207.	14.6	213
107	2D Black Phosphorus/SrTiO ₃ -Based Programmable Photoconductive Switch. <i>Advanced Materials</i> , 2016, 28, 7768-7773.	21.0	57
108	Ultrafast-Charging Supercapacitors Based on Corn-Like Titanium Nitride Nanostructures. <i>Advanced Science</i> , 2016, 3, 1500299.	11.2	163

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109	Perovskite solar cell powered electrochromic batteries for smart windows. <i>Materials Horizons</i> , 2016, 3, 588-595.	12.2	148
110	Atomic Layer Deposition of Amorphous TiO ₂ on Carbon Nanotube Networks and Their Superior Li and Na Ion Storage Properties. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600375.	3.7	75
111	New way to multi-shelled hollow spheres for robust battery electrode. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1004-1006.	6.0	4
112	Transition Metal Carbides and Nitrides in Energy Storage and Conversion. <i>Advanced Science</i> , 2016, 3, 1500286.	11.2	1,001
113	Giant photostriction in organic-inorganic lead halide perovskites. <i>Nature Communications</i> , 2016, 7, 11193.	12.8	164
114	Array of nanosheets render ultrafast and high-capacity Na-ion storage by tunable pseudocapacitance. <i>Nature Communications</i> , 2016, 7, 12122.	12.8	1,232
115	Plasma surface functionalization induces nanostructuring and nitrogen-doping in carbon cloth with enhanced energy storage performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17801-17808.	10.3	79
116	Solvent engineering for fast growth of centimetric high-quality CH ₃ NH ₃ PbI ₃ perovskite single crystals. <i>New Journal of Chemistry</i> , 2016, 40, 7261-7264.	2.8	20
117	Multiple electrical breakdowns and electrical annealing using high current approximating breakdown current of silver nanowire network. <i>Nanotechnology</i> , 2016, 27, 025703.	2.6	28
118	Photoresponse: Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS ₂ (Adv. Funct. Mater. 8/2016). <i>Advanced Functional Materials</i> , 2016, 26, 1146-1146.	14.9	15
119	Optoelectronic properties of atomically thin ReSSe with weak interlayer coupling. <i>Nanoscale</i> , 2016, 8, 5826-5834.	5.6	32
120	Green synthesis of vertical graphene nanosheets and their application in high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 23968-23973.	3.6	39
121	Interlayer Transition and Infrared Photodetection in Atomically Thin Type-II MoTe ₂ /MoS ₂ van der Waals Heterostructures. <i>ACS Nano</i> , 2016, 10, 3852-3858.	14.6	453
122	Atomic-layer-deposited iron oxide on arrays of metal/carbon spheres and their application for electrocatalysis. <i>Nano Energy</i> , 2016, 20, 244-253.	16.0	62
123	All Metal Nitrides Solid-State Asymmetric Supercapacitors. <i>Advanced Materials</i> , 2015, 27, 4566-4571.	21.0	371
124	Understanding the Enhancement Mechanisms of Surface Plasmon-Mediated Photoelectrochemical Electrodes: A Case Study on Au Nanoparticle Decorated TiO ₂ Nanotubes. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500169.	3.7	73
125	Coupling and Interlayer Exciton in Twist-Stacked WS ₂ Bilayers. <i>Advanced Optical Materials</i> , 2015, 3, 1600-1605.	7.3	63
126	Van der Waals p-n Junction Based on an Organic-Inorganic Heterostructure. <i>Advanced Functional Materials</i> , 2015, 25, 5865-5871.	14.9	98

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127	Faceted Anatase TiO ₂ Microcages: Topotactic Synthesis and Ultrastable Li-ion Storage. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500210.	3.7	18
128	Atomic-layer-deposition alumina induced carbon on porous Ni _x Co _{1-x} O nanonets for enhanced pseudocapacitive and Li-ion storage performance. <i>Nanotechnology</i> , 2015, 26, 014001.	2.6	21
129	Enhanced Lithium Storage Performance of CuO Nanowires by Coating of Graphene Quantum Dots. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400499.	3.7	102
130	Applications of atomic layer deposition in solar cells. <i>Nanotechnology</i> , 2015, 26, 064001.	2.6	86
131	Solution Transformation of Cu ₂ O into CuInS ₂ for Solar Water Splitting. <i>Nano Letters</i> , 2015, 15, 1395-1402.	9.1	108
132	Self-Induced Uniaxial Strain in MoS ₂ Monolayers with Local van der Waals-Stacked Interlayer Interactions. <i>ACS Nano</i> , 2015, 9, 2704-2710.	14.6	47
133	Efficient oxygen reduction reaction using mesoporous Ni-doped Co ₃ O ₄ nanowire array electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18372-18379.	10.3	54
134	A mesoporous nickel counter electrode for printable and reusable perovskite solar cells. <i>Nanoscale</i> , 2015, 7, 13363-13368.	5.6	64
135	Highly stable and flexible Li-ion battery anodes based on TiO ₂ coated 3D carbon nanostructures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15394-15398.	10.3	65
136	Conformal Cu ₂ S-coated Cu ₂ O nanostructures grown by ion exchange reaction and their photoelectrochemical properties. <i>Nanotechnology</i> , 2015, 26, 185401.	2.6	51
137	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. <i>Energy and Environmental Science</i> , 2015, 8, 1559-1568.	30.8	210
138	Functionalized highly porous graphitic carbon fibers for high-rate supercapacitive electrodes. <i>Nano Energy</i> , 2015, 13, 658-669.	16.0	187
139	Monolayers of WxMo _{1-x} S ₂ alloy heterostructure with in-plane composition variations. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	99
140	Heterogeneous Nanostructures for Sodium Ion Batteries and Supercapacitors. <i>ChemNanoMat</i> , 2015, 1, 458-476.	2.8	28
141	A low-cost and one-step synthesis of N-doped monolithic quasi-graphene films with porous carbon frameworks for Li-ion batteries. <i>Nano Energy</i> , 2015, 17, 43-51.	16.0	73
142	Ultrathin Anatase TiO ₂ Nanosheets Embedded with TiO ₂ Nanodomains for Lithium-ion Storage: Capacity Enhancement by Phase Boundaries. <i>Advanced Energy Materials</i> , 2015, 5, 1401756.	19.5	208
143	Graphene Quantum Dots Coated VO ₂ Arrays for Highly Durable Electrodes for Li and Na Ion Batteries. <i>Nano Letters</i> , 2015, 15, 565-573.	9.1	493
144	A High Energy and Power Li-ion Capacitor Based on a TiO ₂ Nanobelt Array Anode and a Graphene Hydrogel Cathode. <i>Small</i> , 2015, 11, 1470-1477.	10.0	256

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145	Novel Metal@Carbon Spheres Core-Shell Arrays by Controlled Self-Assembly of Carbon Nanospheres: A Stable and Flexible Supercapacitor Electrode. <i>Advanced Energy Materials</i> , 2015, 5, 1401709.	19.5	139
146	VO ₂ nanoflake arrays for supercapacitor and Li-ion battery electrodes: performance enhancement by hydrogen molybdenum bronze as an efficient shell material. <i>Materials Horizons</i> , 2015, 2, 237-244.	12.2	152
147	Three-dimensional graphene and their integrated electrodes. <i>Nano Today</i> , 2014, 9, 785-807.	11.9	251
148	A Flexible Alkaline Rechargeable Ni/Fe Battery Based on Graphene Foam/Carbon Nanotubes Hybrid Film. <i>Nano Letters</i> , 2014, 14, 7180-7187.	9.1	346
149	Atomic-Layer-Deposition-Assisted Formation of Carbon Nanoflakes on Metal Oxides and Energy Storage Application. <i>Small</i> , 2014, 10, 300-307.	10.0	60
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