

Liangti Qu

List of Publications by Year in descending order

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338
papers

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times ranked

34188
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#	ARTICLE	IF	CITATIONS
1	Recent progress in graphene-based wearable piezoresistive sensors: From 1D to 3D device geometries. <i>Nano Materials Science</i> , 2023, 5, 247-264.	3.9	20
2	One-step synthesis of hierarchical Ni ₃ Se ₂ nanosheet-on-nanorods/Ni foam electrodes for hybrid supercapacitors. <i>Chinese Chemical Letters</i> , 2022, 33, 475-479.	4.8	15
3	A self-healing zinc ion battery under -20 °C. <i>Energy Storage Materials</i> , 2022, 44, 517-526.	9.5	53
4	Graphene Materials for Miniaturized Energy Harvest and Storage Devices. <i>Small Structures</i> , 2022, 3, .	6.9	23
5	Bridged Carbon Fabric Membrane with Boosted Performance in AC Line-Filtering Capacitors. <i>Advanced Science</i> , 2022, 9, e2105072.	5.6	10
6	Graphene Materials for Miniaturized Energy Harvest and Storage Devices. <i>Small Structures</i> , 2022, 3, .	6.9	3
7	Sunlight-Coordinated High-Performance Moisture Power in Natural Conditions. <i>Advanced Materials</i> , 2022, 34, e2103897.	11.1	54
8	Aqueous rocking-chair aluminum-ion capacitors enabled by a self-adaptive electrochemical pore-structure remolding approach. <i>Energy and Environmental Science</i> , 2022, 15, 1131-1143.	15.6	34
9	Ultrafast Shaped Laser Induced Synthesis of MXene Quantum Dots/Graphene for Transparent Supercapacitors. <i>Advanced Materials</i> , 2022, 34, e2110013.	11.1	75
10	Textile-based moisture power generator with dual asymmetric structure and high flexibility for wearable applications. <i>Nano Energy</i> , 2022, 95, 107017.	8.2	43
11	A Flexible Aqueous Zinc-Iodine Microbattery with Unprecedented Energy Density. <i>Advanced Materials</i> , 2022, 34, e2109450.	11.1	49
12	An efficient and versatile biopolishing strategy to construct high performance zinc anode. <i>Nano Research</i> , 2022, 15, 5081-5088.	5.8	5
13	Recent advances in highly integrated energy conversion and storage system. <i>SusMat</i> , 2022, 2, 142-160.	7.8	44
14	Graphene Ionogel Ultra-Fast Filter Supercapacitor with 4V Workable Window and 150 °C Operable Temperature. <i>Small</i> , 2022, 18, e2200916.	5.2	11
15	The promising solar-powered water purification based on graphene functional architectures. <i>EcoMat</i> , 2022, 4, .	6.8	15
16	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. <i>Nature Communications</i> , 2022, 13, 1863.	5.8	27
17	Few-layer carbon nitride photocatalysts for solar fuels and chemicals: Current status and prospects. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1216-1229.	6.9	7
18	A facile laser assisted paste-tear approach to large area, flexible and wearable in-plane micro-supercapacitors. <i>Journal of Power Sources</i> , 2022, 532, 231346.	4.0	6

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19	A versatile, heat-resisting, electrocatalytic active graphene framework by in-situ formation of boron nitride quantum dots. <i>Carbon</i> , 2022, 192, 123-132.	5.4	11
20	Bottom-up scalable temporally-shaped femtosecond laser deposition of hierarchical porous carbon for ultrahigh-rate micro-supercapacitor. <i>Science China Materials</i> , 2022, 65, 2412-2420.	3.5	11
21	Moisture adsorption-desorption full cycle power generation. <i>Nature Communications</i> , 2022, 13, 2524.	5.8	67
22	Pure Aqueous Planar Microsupercapacitors with Ultrahigh Energy Density under Wide Temperature Ranges. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
23	Binary active sites of nickel-iron alloy bonded in nitrogen-doped carbon nanocage for robust durability and low polarization zinc-air batteries. <i>Journal of Power Sources</i> , 2022, 538, 231563.	4.0	5
24	Vapor and heat dual-drive sustainable power for portable electronics in ambient environments. <i>Energy and Environmental Science</i> , 2022, 15, 3086-3096.	15.6	21
25	Fixture-free omnidirectional prestretching fabrication and integration of crumpled in-plane micro-supercapacitors. <i>Science Advances</i> , 2022, 8, .	4.7	22
26	Laser-Based Growth and Treatment of Graphene for Advanced Photo- and Electro-Related Device Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
27	Fast constructing polarity-switchable zinc-bromine microbatteries with high areal energy density. <i>Science Advances</i> , 2022, 8, .	4.7	19
28	From wood to thin porous carbon membrane: Ancient materials for modern ultrafast electrochemical capacitors in alternating current line filtering. <i>Energy Storage Materials</i> , 2021, 35, 327-333.	9.5	25
29	Laser fabrication of functional micro-supercapacitors. <i>Journal of Energy Chemistry</i> , 2021, 59, 642-665.	7.1	35
30	Progress in 3D-Graphene Assemblies Preparation for Solar-Thermal Steam Generation and Water Treatment. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2021, .	2.2	6
31	Ultratough and ultrastrong graphene oxide hybrid films via a polycationitrile approach. <i>Nanoscale Horizons</i> , 2021, 6, 341-347.	4.1	6
32	Janus-interface engineering boosting solar steam towards high-efficiency water collection. <i>Energy and Environmental Science</i> , 2021, 14, 5330-5338.	15.6	122
33	Stretchable supercapacitor at ~ 30 $^{\circ}\text{C}$. <i>Energy and Environmental Science</i> , 2021, 14, 3075-3085.	15.6	114
34	An all-in-one and scalable carbon fibre-based evaporator by using the weaving craft for high-efficiency and stable solar desalination. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10945-10952.	5.2	45
35	Emerging Materials for Water-Enabled Electricity Generation. , 2021, 3, 193-209.		78
36	Graphene Oxide Assemblies for Sustainable Clean-Water Harvesting and Green-Electricity Generation. <i>Accounts of Materials Research</i> , 2021, 2, 97-107.	5.9	38

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37	Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers. <i>Advanced Energy Materials</i> , 2021, 11, 2003982.	10.2	53
38	Planar Graphene-Based Microsupercapacitors. <i>Small</i> , 2021, 17, e2006827.	5.2	24
39	Bilayer of polyelectrolyte films for spontaneous power generation in air up to an integrated 1,000%V output. <i>Nature Nanotechnology</i> , 2021, 16, 811-819.	15.6	193
40	Few-Layer Siloxene as an Electrode for Superior High-Rate Zinc Ion Hybrid Capacitors. <i>ACS Energy Letters</i> , 2021, 6, 1786-1794.	8.8	50
41	Zn-S Hybrid Batteries: Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers (<i>Adv. Energy Mater.</i> 14/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170055.	10.2	0
42	Salty Ice Electrolyte with Superior Ionic Conductivity Towards Low-Temperature Aqueous Zinc Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2101277.	7.8	81
43	A seamlessly integrated device of micro-supercapacitor and wireless charging with ultrahigh energy density and capacitance. <i>Nature Communications</i> , 2021, 12, 2647.	5.8	97
44	The Advance and Perspective on Electrode Materials for Metal-Ion Hybrid Capacitors. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100022.	2.8	13
45	The Emerging of Aqueous Zinc-Based Dual Electrolytic Batteries. <i>Small</i> , 2021, 17, e2008043.	5.2	23
46	All-pH-Tolerant In-Plane Heterostructures for Efficient Hydrogen Evolution Reaction. <i>ACS Nano</i> , 2021, 15, 11417-11427.	7.3	77
47	Custom-Built Graphene Acoustic-Absorbing Aerogel for Audio Signal Recognition. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100227.	1.9	2
48	An Aqueous Anti-Freezing and Heat-Tolerant Symmetric Microsupercapacitor with 2.3V Output Voltage. <i>Advanced Energy Materials</i> , 2021, 11, 2101523.	10.2	28
49	Controllable Photonic Structures on Silicon-on-Insulator Devices Fabricated Using Femtosecond Laser Lithography. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43622-43631.	4.0	13
50	Vertical Graphene Arrays as Electrodes for Ultra-High Energy Density AC Line-Filtering Capacitors. <i>Angewandte Chemie</i> , 2021, 133, 24710-24714.	1.6	7
51	Vertical Graphene Arrays as Electrodes for Ultra-High Energy Density AC Line-Filtering Capacitors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24505-24509.	7.2	15
52	A Cascade Battery: Coupling Two Sequential Electrochemical Reactions in a Single Battery. <i>Advanced Materials</i> , 2021, 33, e2105480.	11.1	25
53	Moisture power in natural polymeric silk fibroin flexible membrane triggers efficient antibacterial activity of silver nanoparticles. <i>Nano Energy</i> , 2021, 90, 106529.	8.2	12
54	Mechanism of Nitrogen-Doped Ti ₃ C ₂ Quantum Dots for Free-Radical Scavenging and the Ultrasensitive H ₂ O ₂ Detection Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42442-42450.	4.0	30

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55	Grain Boundary Design of Solid Electrolyte Actualizing Stable All-Solid-State Sodium Batteries. <i>Small</i> , 2021, 17, e2103819.	5.2	29
56	Conductive Writing with High Precision by Laser-Induced Point-to-Line Carbonization Strategy for Flexible Supercapacitors. <i>Advanced Optical Materials</i> , 2021, 9, 2100793.	3.6	9
57	Reborn Three-Dimensional Graphene with Ultrahigh Volumetric Desalination Capacity. <i>Advanced Materials</i> , 2021, 33, e2105853.	11.1	48
58	A hierarchical heterojunction polymer aerogel for accelerating charge transfer and separation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7881-7887.	5.2	13
59	Progress in the Understanding and Applications of the Intrinsic Reactivity of Graphene-Based Materials. <i>Small Science</i> , 2021, 1, 2000026.	5.8	40
60	High-performance flexible and integratable MEG devices from sulfonated carbon solid acids containing strong Brønsted acid sites. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24488-24494.	5.2	8
61	2D Silicene Nanosheets for High-Performance Zinc-Ion Hybrid Capacitor Application. <i>ACS Nano</i> , 2021, 15, 16533-16541.	7.3	26
62	Planar Graphene-Based Microsupercapacitors (<i>Small</i> 48/2021). <i>Small</i> , 2021, 17, .	5.2	1
63	Conductive Writing with High Precision by Laser-Induced Point-to-Line Carbonization Strategy for Flexible Supercapacitors (<i>Advanced Optical Materials</i> 24/2021). <i>Advanced Optical Materials</i> , 2021, 9, .	3.6	1
64	Recent progress in graphene-based electrodes for flexible batteries. <i>Informa-Materially</i> , 2020, 2, 509-526.	8.5	122
65	Graphene-Based Fibers: Recent Advances in Preparation and Application. <i>Advanced Materials</i> , 2020, 32, e1901979.	11.1	88
66	Transparent, self-healing, arbitrary tailorable moist-electric film generator. <i>Nano Energy</i> , 2020, 67, 104238.	8.2	68
67	Miniaturized high-performance metallic 1T-Phase MoS ₂ micro-supercapacitors fabricated by temporally shaped femtosecond pulses. <i>Nano Energy</i> , 2020, 67, 104260.	8.2	37
68	The key structural features governing the free radicals and catalytic activity of graphite/graphene oxide. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3112-3121.	1.3	30
69	Graphene quantum dots for energy storage and conversion: from fabrication to applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 421-436.	3.2	96
70	Conjugated Polymers as Hole Transporting Materials for Solar Cells. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 449-458.	2.0	9
71	Pristine Titanium Carbide MXene Films with Environmentally Stable Conductivity and Superior Mechanical Strength. <i>Advanced Functional Materials</i> , 2020, 30, 1906996.	7.8	138
72	Compact Assembly and Programmable Integration of Supercapacitors. <i>Advanced Materials</i> , 2020, 32, e1907005.	11.1	42

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73	Highly Efficient Clean Water Production from Contaminated Air with a Wide Humidity Range. <i>Advanced Materials</i> , 2020, 32, e1905875.	11.1	123
74	2D Graphene-Based Macroscopic Assemblies for Micro-Supercapacitors. <i>ChemSusChem</i> , 2020, 13, 1255-1274.	3.6	16
75	Large-Scale Spinning Approach to Engineering Knittable Hydrogel Fiber for Soft Robots. <i>ACS Nano</i> , 2020, 14, 14929-14938.	7.3	64
76	Biomimetic Antigravity Water Transport and Remote Harvesting Powered by Sunlight. <i>Global Challenges</i> , 2020, 4, 2000043.	1.8	9
77	Pristine Titanium Carbide MXene Hydrogel Matrix. <i>ACS Nano</i> , 2020, 14, 10471-10479.	7.3	87
78	The First Flexible Dual-Ion Microbattery Demonstrates Superior Capacity and Ultrahigh Energy Density: Small and Powerful. <i>Advanced Functional Materials</i> , 2020, 30, 2002086.	7.8	43
79	Laser photonic-reduction stamping for graphene-based micro-supercapacitors ultrafast fabrication. <i>Nature Communications</i> , 2020, 11, 6185.	5.8	93
80	Unraveling the Charge Storage Mechanism of Ti_3C_2Tx MXene Electrode in Acidic Electrolyte. <i>ACS Energy Letters</i> , 2020, 5, 2873-2880.	8.8	129
81	Interface-enhanced distillation beyond tradition based on well-arranged graphene membrane. <i>Science China Materials</i> , 2020, 63, 1948-1956.	3.5	10
82	Femtosecond Laser Induced Phase Transformation of TiO_2 with Exposed Reactive Facets for Improved Photoelectrochemistry Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41250-41258.	4.0	14
83	Functional group defect design in polymeric carbon nitride for photocatalytic application. <i>APL Materials</i> , 2020, 8, .	2.2	16
84	Micro/nano processing of natural silk fibers with near-field enhanced ultrafast laser. <i>Science China Materials</i> , 2020, 63, 1300-1309.	3.5	13
85	An Ultrafast Supercapacitor Based on 3D Ordered Porous Graphene Film with AC Line Filtering Performance. <i>ACS Applied Energy Materials</i> , 2020, 3, 5182-5189.	2.5	13
86	Synergistic oxygen substitution and heterostructure construction in polymeric semiconductors for efficient water splitting. <i>Nanoscale</i> , 2020, 12, 13484-13490.	2.8	28
87	An intelligent film actuator with multi-level deformation behaviour. <i>Nanoscale Horizons</i> , 2020, 5, 1226-1232.	4.1	9
88	Maximization of Spatial Charge Density: An Approach to Ultrahigh Energy Density of Capacitive Charge Storage. <i>Angewandte Chemie</i> , 2020, 132, 14649-14657.	1.6	17
89	Maximization of Spatial Charge Density: An Approach to Ultrahigh Energy Density of Capacitive Charge Storage. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14541-14549.	7.2	83
90	Femtosecond laser mediated fabrication of micro/nanostructured TiO_2 - photoelectrodes: Hierarchical nanotubes array with oxygen vacancies and their photocatalysis properties. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119231.	10.8	33

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91	Two-dimensional materials of group IVA boosting the development of energy storage and conversion. , 2020, 2, 54-71.		73
92	Hierarchical ZnO@Hybrid Carbon Core-Shell Nanowire Array on a Graphene Fiber Microelectrode for Ultrasensitive Detection of 2,4,6-Trinitrotoluene. ACS Applied Materials & Interfaces, 2020, 12, 8547-8554.	4.0	18
93	Shaped femtosecond laser induced photoreduction for highly controllable Au nanoparticles based on localized field enhancement and their SERS applications. Nanophotonics, 2020, 9, 691-702.	2.9	26
94	Reduced Graphene Oxide-Based Spectrally Selective Absorber with an Extremely Low Thermal Emittance and High Solar Absorptance. Advanced Science, 2020, 7, 1903125.	5.6	51
95	A directly swallowable and ingestible micro-supercapacitor. Journal of Materials Chemistry A, 2020, 8, 4055-4061.	5.2	39
96	Hybrid Energy Storage Device: Combination of Zinc-Ion Supercapacitor and Zinc-Air Battery in Mild Electrolyte. ACS Applied Materials & Interfaces, 2020, 12, 7239-7248.	4.0	88
97	Multifunctional 3D Micro-Nanostructures Fabricated through Temporally Shaped Femtosecond Laser Processing for Preventing Thrombosis and Bacterial Infection. ACS Applied Materials & Interfaces, 2020, 12, 17155-17166.	4.0	28
98	Structure Design and Composition Engineering of Carbon-Based Nanomaterials for Lithium Energy Storage. Advanced Energy Materials, 2020, 10, 1903030.	10.2	122
99	Retarding Ostwald Ripening to Directly Cast 3D Porous Graphene Oxide Bulks at Open Ambient Conditions. ACS Nano, 2020, 14, 6249-6257.	7.3	37
100	Regulation of 2D Graphene Materials for Electrocatalysis. Chemistry - an Asian Journal, 2020, 15, 2271-2281.	1.7	20
101	Tunable Graphene Systems for Water Desalination. ChemNanoMat, 2020, 6, 1028-1048.	1.5	34
102	Frontiers of carbon materials as capacitive deionization electrodes. Dalton Transactions, 2020, 49, 5006-5014.	1.6	32
103	Ultrafast optical response and ablation mechanisms of molybdenum disulfide under intense femtosecond laser irradiation. Light: Science and Applications, 2020, 9, 80.	7.7	63
104	A 3D-graphene fiber electrode embedded with nitrogen-rich-carbon-coated ZIF-67 for the ultrasensitive detection of adrenaline. Journal of Materials Chemistry B, 2019, 7, 5291-5295.	2.9	28
105	Large-Scale Production of Flexible, High-Voltage Hydroelectric Films Based on Solid Oxides. ACS Applied Materials & Interfaces, 2019, 11, 30927-30935.	4.0	98
106	Moist-electric generation. Nanoscale, 2019, 11, 23083-23091.	2.8	82
107	Cylindrically Focused Nonablative Femtosecond Laser Processing of Long-Range Uniform Periodic Surface Structures with Tunable Diffraction Efficiency. Advanced Optical Materials, 2019, 7, 1900706.	3.6	47
108	Highly Ordered Graphene Solid: An Efficient Platform for Capacitive Sodium-Ion Storage with Ultrahigh Volumetric Capacity and Superior Rate Capability. ACS Nano, 2019, 13, 9161-9170.	7.3	53

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109	Axial heterostructure nanoarray as all-solid-state micro-supercapacitors. <i>International Journal of Energy Research</i> , 2019, 43, 6013-6025.	2.2	1
110	Flexible and high-performance microsupercapacitors with wide temperature tolerance. <i>Nano Energy</i> , 2019, 64, 103938.	8.2	49
111	Arbitrary waveform AC line filtering applicable to hundreds of volts based on aqueous electrochemical capacitors. <i>Nature Communications</i> , 2019, 10, 2855.	5.8	65
112	Thermal Efficiency of Solar Steam Generation Approaching 100% through Capillary Water Transport. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 19041-19046.	7.2	167
113	MEG actualized by high-valent metal carrier transport. <i>Nano Energy</i> , 2019, 65, 104047.	8.2	40
114	Tunable-Deformed Graphene Layers for Actuation. <i>Frontiers in Chemistry</i> , 2019, 7, 725.	1.8	6
115	Thermal Efficiency of Solar Steam Generation Approaching 100% through Capillary Water Transport. <i>Angewandte Chemie</i> , 2019, 131, 19217-19222.	1.6	122
116	Electric power generation using paper materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20574-20578.	5.2	94
117	Ultra-small dispersed Cu _x O nanoparticles on graphene fibers for miniaturized electrochemical sensor applications. <i>RSC Advances</i> , 2019, 9, 28207-28212.	1.7	7
118	Hybrid superhydrophilic/superhydrophobic micro/nanostructures fabricated by femtosecond laser-induced forward transfer for sub-femtomolar Raman detection. <i>Microsystems and Nanoengineering</i> , 2019, 5, 48.	3.4	32
119	Enhancing charge transfer with foreign molecules through femtosecond laser induced MoS ₂ defect sites for photoluminescence control and SERS enhancement. <i>Nanoscale</i> , 2019, 11, 485-494.	2.8	45
120	Efficient room-temperature production of high-quality graphene by introducing removable oxygen functional groups to the precursor. <i>Chemical Science</i> , 2019, 10, 1244-1253.	3.7	51
121	Preparation of sulfur-doped graphene fibers and their application in flexible fibriform micro-supercapacitors. <i>Frontiers of Materials Science</i> , 2019, 13, 145-153.	1.1	13
122	Laser-Assisted Multiscale Fabrication of Configuration-Editable Supercapacitors with High Energy Density. <i>ACS Nano</i> , 2019, 13, 7463-7470.	7.3	54
123	Chlorine-Doped Graphene Quantum Dots with Enhanced Anti- and Pro-Oxidant Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21822-21829.	4.0	77
124	Fabrication of highly homogeneous and controllable nanogratings on silicon via chemical etching-assisted femtosecond laser modification. <i>Nanophotonics</i> , 2019, 8, 869-878.	2.9	47
125	All-region-applicable, continuous power supply of graphene oxide composite. <i>Energy and Environmental Science</i> , 2019, 12, 1848-1856.	15.6	150
126	Graphene Fibers: Advancing Applications in Sensor, Energy Storage and Conversion. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 535-547.	2.0	17

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127	Polymorph-Controlled Crystallization of Acetaminophen through Femtosecond Laser Irradiation. <i>Crystal Growth and Design</i> , 2019, 19, 3265-3271.	1.4	15
128	A three-dimensional hollow graphene fiber microelectrode with shrink-effect-enabled enzyme immobilization for sensor applications. <i>Science Bulletin</i> , 2019, 64, 718-722.	4.3	12
129	Superplastic Air-Dryable Graphene Hydrogels for Wet-Press Assembly of Ultrastrong Superelastic Aerogels with Infinite Macroscale. <i>Advanced Functional Materials</i> , 2019, 29, 1901917.	7.8	42
130	Power generation from graphene-water interactions. <i>FlatChem</i> , 2019, 14, 100090.	2.8	38
131	A cross-linked polyacrylamide electrolyte with high ionic conductivity for compressible supercapacitors with wide temperature tolerance. <i>Nano Research</i> , 2019, 12, 1199-1206.	5.8	78
132	High performance broadband acoustic absorption and sound sensing of a bubbled graphene monolith. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11423-11429.	5.2	33
133	Plant leaves inspired sunlight-driven purifier for high-efficiency clean water production. <i>Nature Communications</i> , 2019, 10, 1512.	5.8	160
134	Intelligent multiple-liquid evaporation power generation platform using distinctive Jaboticaba-like carbon nanosphere@TiO ₂ nanowires. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6766-6772.	5.2	87
135	An efficient polymer moist-electric generator. <i>Energy and Environmental Science</i> , 2019, 12, 972-978.	15.6	189
136	Controllable Synthesis of Nanosized Amorphous MoS _x Using Temporally Shaped Femtosecond Laser for Highly Efficient Electrochemical Hydrogen Production. <i>Advanced Functional Materials</i> , 2019, 29, 1806229.	7.8	54
137	Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators. <i>Advanced Materials</i> , 2019, 31, e1805705.	11.1	117
138	Hygroelectric Generators: Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators (<i>Adv. Mater.</i> 2/2019). <i>Advanced Materials</i> , 2019, 31, 1970013.	11.1	3
139	Efficient Metal-Free Electrocatalysts from N-Doped Carbon Nanomaterials: Mono-Doping and Co-Doping. <i>Advanced Materials</i> , 2019, 31, e1805121.	11.1	329
140	Direct solar steam generation system for clean water production. <i>Energy Storage Materials</i> , 2019, 18, 429-446.	9.5	234
141	Biomimetic Graphite Foils with High Foldability and Conductivity. <i>Small Methods</i> , 2019, 3, 1800282.	4.6	1
142	Electric Power Generation through the Direct Interaction of Pristine Graphene Oxide with Water Molecules. <i>Small</i> , 2018, 14, e1704473.	5.2	138
143	High Rate Production of Clean Water Based on the Combined Photo-Electro-Thermal Effect of Graphene Architecture. <i>Advanced Materials</i> , 2018, 30, e1706805.	11.1	214
144	Electric power generation via asymmetric moisturizing of graphene oxide for flexible, printable and portable electronics. <i>Energy and Environmental Science</i> , 2018, 11, 1730-1735.	15.6	203

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145	Metal (Ag, Pt)@MoS ₂ Hybrids Greenly Prepared Through Photochemical Reduction of Femtosecond Laser Pulses for SERS and HER. ACS Sustainable Chemistry and Engineering, 2018, 6, 7704-7714.	3.2	55
146	High throughput of clean water excluding ions, organic media, and bacteria from defect-abundant graphene aerogel under sunlight. Nano Energy, 2018, 46, 415-422.	8.2	149
147	Gradient doped polymer nanowire for moistelectric nanogenerator. Nano Energy, 2018, 46, 297-304.	8.2	91
148	Scalable Conversion of CO ₂ to N-Doped Carbon Foam for Efficient Oxygen Reduction Reaction and Lithium Storage. ACS Sustainable Chemistry and Engineering, 2018, 6, 3358-3366.	3.2	10
149	A Type of 1 nm Molybdenum Carbide Confined within Carbon Nanomesh as Highly Efficient Bifunctional Electrocatalyst. Advanced Functional Materials, 2018, 28, 1705967.	7.8	78
150	Robust graphene composite films for multifunctional electrochemical capacitors with an ultrawide range of areal mass loading toward high-rate frequency response and ultrahigh specific capacitance. Energy and Environmental Science, 2018, 11, 559-565.	15.6	119
151	Flexible in-plane graphene oxide moisture-electric converter for touchless interactive panel. Nano Energy, 2018, 45, 37-43.	8.2	96
152	Graphene Platforms for Smart Energy Generation and Storage. Joule, 2018, 2, 245-268.	11.7	168
153	A smart, anti-piercing and eliminating-dendrite lithium metal battery. Nano Energy, 2018, 49, 403-410.	8.2	57
154	Highly efficient solar vapour generation via hierarchically nanostructured gels. Nature Nanotechnology, 2018, 13, 489-495.	15.6	1,356
155	Coupling interconnected MoO ₃ /WO ₃ nanosheets with a graphene framework as a highly efficient anode for lithium-ion batteries. Nanoscale, 2018, 10, 396-402.	2.8	28
156	Hierarchical hole-enhanced 3D graphene assembly for highly efficient capacitive deionization. Carbon, 2018, 129, 95-103.	5.4	112
157	A capacity recoverable zinc-ion micro-supercapacitor. Energy and Environmental Science, 2018, 11, 3367-3374.	15.6	263
158	Titelbild: A Microstructured Graphene/Poly(N -isopropylacrylamide) Membrane for Intelligent Solar Water Evaporation (Angew. Chem. 50/2018). Angewandte Chemie, 2018, 130, 16471-16471.	1.6	0
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