

Liangti Qu

List of Publications by Citations

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338
papers

31,100
citations

80
h-index

171
g-index

351
ext. papers

36,185
ext. citations

13
avg, IF

7.7
L-index

#	Paper	IF	Citations
338	Nitrogen-doped graphene as efficient metal-free electrocatalyst for oxygen reduction in fuel cells. <i>ACS Nano</i> , 2010 , 4, 1321-6	16.7	3349
337	Metal-free catalysts for oxygen reduction reaction. <i>Chemical Reviews</i> , 2015 , 115, 4823-92	68.1	1763
336	Nitrogen-doped graphene quantum dots with oxygen-rich functional groups. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15-8	16.4	1623
335	An electrochemical avenue to green-luminescent graphene quantum dots as potential electron-acceptors for photovoltaics. <i>Advanced Materials</i> , 2011 , 23, 776-80	24	1330
334	All-graphene core-sheath microfibers for all-solid-state, stretchable fibriform supercapacitors and wearable electronic textiles. <i>Advanced Materials</i> , 2013 , 25, 2326-31	24	912
333	Highly efficient solar vapour generation via hierarchically nanostructured gels. <i>Nature Nanotechnology</i> , 2018 , 13, 489-495	28.7	825
332	Atomically Thin Mesoporous Nanomesh of Graphitic C ₃ N ₄ for High-Efficiency Photocatalytic Hydrogen Evolution. <i>ACS Nano</i> , 2016 , 10, 2745-51	16.7	701
331	Graphene quantum dots: an emerging material for energy-related applications and beyond. <i>Energy and Environmental Science</i> , 2012 , 5, 8869	35.4	698
330	Highly compression-tolerant supercapacitor based on polypyrrole-mediated graphene foam electrodes. <i>Advanced Materials</i> , 2013 , 25, 591-5	24	676
329	A versatile, ultralight, nitrogen-doped graphene framework. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11371-5	16.4	663
328	N,P-Codoped Carbon Networks as Efficient Metal-free Bifunctional Catalysts for Oxygen Reduction and Hydrogen Evolution Reactions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2230-4	16.4	638
327	Vertically Aligned Graphene Sheets Membrane for Highly Efficient Solar Thermal Generation of Clean Water. <i>ACS Nano</i> , 2017 , 11, 5087-5093	16.7	632
326	Facile fabrication of light, flexible and multifunctional graphene fibers. <i>Advanced Materials</i> , 2012 , 24, 1856-61	24	464
325	Graphitic carbon nitride nanoribbons: graphene-assisted formation and synergic function for highly efficient hydrogen evolution. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13934-9	16.4	394
324	Graphene-based smart materials. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	391
323	A Graphitic-C ₃ N ₄ "Seaweed" Architecture for Enhanced Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11433-7	16.4	365
322	Newly-designed complex ternary Pt/PdCu nanoboxes anchored on three-dimensional graphene framework for highly efficient ethanol oxidation. <i>Advanced Materials</i> , 2012 , 24, 5493-8	24	287

321	Reduced Graphene Oxide Membranes for Ultrafast Organic Solvent Nanofiltration. <i>Advanced Materials</i> , 2016 , 28, 8669-8674	24	283
320	Textile electrodes woven by carbon nanotube-graphene hybrid fibers for flexible electrochemical capacitors. <i>Nanoscale</i> , 2013 , 5, 3428-34	7-7	274
319	A Versatile, Ultralight, Nitrogen-Doped Graphene Framework. <i>Angewandte Chemie</i> , 2012 , 124, 11533-11537	3-7	262
318	Direct Power Generation from a Graphene Oxide Film under Moisture. <i>Advanced Materials</i> , 2015 , 27, 4351-7	24	256
317	Graphene fibers with predetermined deformation as moisture-triggered actuators and robots. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10482-6	16.4	238
316	Moisture-activated torsional graphene-fiber motor. <i>Advanced Materials</i> , 2014 , 26, 2909-13	24	237
315	An asymmetrically surface-modified graphene film electrochemical actuator. <i>ACS Nano</i> , 2010 , 4, 6050-4	16.7	219
314	Tailored graphene systems for unconventional applications in energy conversion and storage devices. <i>Energy and Environmental Science</i> , 2015 , 8, 31-54	35.4	211
313	Electrochemical Growth of Polypyrrole Microcontainers. <i>Macromolecules</i> , 2003 , 36, 1063-1067	5.5	210
312	Efficient Metal-Free Electrocatalysts from N-Doped Carbon Nanomaterials: Mono-Doping and Co-Doping. <i>Advanced Materials</i> , 2019 , 31, e1805121	24	205
311	Functional graphene nanomesh foam. <i>Energy and Environmental Science</i> , 2014 , 7, 1913	35.4	192
310	N,P-Codoped Carbon Networks as Efficient Metal-free Bifunctional Catalysts for Oxygen Reduction and Hydrogen Evolution Reactions. <i>Angewandte Chemie</i> , 2016 , 128, 2270-2274	3.6	185
309	A capacity recoverable zinc-ion micro-supercapacitor. <i>Energy and Environmental Science</i> , 2018 , 11, 3367-3374	3-7	185
308	MnO ₂ -modified hierarchical graphene fiber electrochemical supercapacitor. <i>Journal of Power Sources</i> , 2014 , 247, 32-39	8.9	184
307	Sulfur-doped graphitic carbon nitride decorated with graphene quantum dots for an efficient metal-free electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1841-1846	13	183
306	One-step preparation of iodine-doped graphitic carbon nitride nanosheets as efficient photocatalysts for visible light water splitting. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4612-4619	13	182
305	Highly efficient moisture-enabled electricity generation from graphene oxide frameworks. <i>Energy and Environmental Science</i> , 2016 , 9, 912-916	35.4	181
304	Large scale production of biomass-derived N-doped porous carbon spheres for oxygen reduction and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3317	13	179

303	All-in-one graphene fiber supercapacitor. <i>Nanoscale</i> , 2014 , 6, 6448-51	7.7	174
302	Spinning fabrication of graphene/polypyrrole composite fibers for all-solid-state, flexible fibriform supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12355	13	172
301	Bubble-Decorated Honeycomb-Like Graphene Film as Ultrahigh Sensitivity Pressure Sensors. <i>Advanced Functional Materials</i> , 2015 , 25, 6545-6551	15.6	163
300	High Rate Production of Clean Water Based on the Combined Photo-Electro-Thermal Effect of Graphene Architecture. <i>Advanced Materials</i> , 2018 , 30, e1706805	24	159
299	Graphene fiber: a new material platform for unique applications. <i>NPG Asia Materials</i> , 2014 , 6, e113-e113	10.3	158
298	Direct solar steam generation system for clean water production. <i>Energy Storage Materials</i> , 2019 , 18, 429-446	19.4	151
297	Three-dimensional graphitic carbon nitride functionalized graphene-based high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6761-6766	13	146
296	High-Density Monolith of N-Doped Holey Graphene for Ultrahigh Volumetric Capacity of Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1502100	21.8	142
295	Spontaneous reduction and assembly of graphene oxide into three-dimensional graphene network on arbitrary conductive substrates. <i>Scientific Reports</i> , 2013 , 3, 2065	4.9	140
294	Graphitic Carbon Nitride/Nitrogen-Rich Carbon Nanofibers: Highly Efficient Photocatalytic Hydrogen Evolution without Cocatalysts. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10849-53	16.4	136
293	Graphene quantum dots-three-dimensional graphene composites for high-performance supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 19307-13	3.6	135
292	Significant Enhancement of Visible-Light-Driven Hydrogen Evolution by Structure Regulation of Carbon Nitrides. <i>ACS Nano</i> , 2018 , 12, 5221-5227	16.7	134
291	Facile production of ultrathin graphitic carbon nitride nanoplatelets for efficient visible-light water splitting. <i>Nano Research</i> , 2015 , 8, 1718-1728	10	131
290	Preparation of polypyrrole microstructures by direct electrochemical oxidation of pyrrole in an aqueous solution of camphorsulfonic acid. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 561, 149-156	4.1	131
289	Graphene/graphitic carbon nitride hybrids for catalysis. <i>Materials Horizons</i> , 2017 , 4, 832-850	14.4	130
288	Graphene Platforms for Smart Energy Generation and Storage. <i>Joule</i> , 2018 , 2, 245-268	27.8	124
287	Large-scale spinning assembly of neat, morphology-defined, graphene-based hollow fibers. <i>ACS Nano</i> , 2013 , 7, 2406-12	16.7	119
286	A green one-arrow-two-hawks strategy for nitrogen-doped carbon dots as fluorescent ink and oxygen reduction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6320	13	118

285	Mesh-on-Mesh Graphitic-C ₃ N ₄ @Graphene for Highly Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2017 , 27, 1606352	15.6	115
284	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	35.4	115
283	One Single Graphene Oxide Film for Responsive Actuation. <i>ACS Nano</i> , 2016 , 10, 9529-9535	16.7	115
282	Stimulus-responsive graphene systems towards actuator applications. <i>Energy and Environmental Science</i> , 2013 , 6, 3520	35.4	115
281	High throughput of clean water excluding ions, organic media, and bacteria from defect-abundant graphene aerogel under sunlight. <i>Nano Energy</i> , 2018 , 46, 415-422	17.1	111
280	A Large-Area, Flexible, and Flame-Retardant Graphene Paper. <i>Advanced Functional Materials</i> , 2016 , 26, 1470-1476	15.6	105
279	Scalable Preparation of Multifunctional Fire-Retardant Ultralight Graphene Foams. <i>ACS Nano</i> , 2016 , 10, 1325-32	16.7	105
278	Graphene microtubings: controlled fabrication and site-specific functionalization. <i>Nano Letters</i> , 2012 , 12, 5879-84	11.5	104
277	Decoration of graphene network with metal-organic frameworks for enhanced electrochemical capacitive behavior. <i>Carbon</i> , 2014 , 78, 231-242	10.4	103
276	Spontaneous, Straightforward Fabrication of Partially Reduced Graphene Oxide-Polypyrrole Composite Films for Versatile Actuators. <i>ACS Nano</i> , 2016 , 10, 4735-41	16.7	101
275	Preparation of Monolayer MoS Quantum Dots using Temporally Shaped Femtosecond Laser Ablation of Bulk MoS Targets in Water. <i>Scientific Reports</i> , 2017 , 7, 11182	4.9	99
274	Three-dimensional water evaporation on a macroporous vertically aligned graphene pillar array under one sun. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15303-15309	13	95
273	Graphene Oxide Nanoribbon Assembly toward Moisture-Powered Information Storage. <i>Advanced Materials</i> , 2017 , 29, 1604972	24	94
272	Plant leaves inspired sunlight-driven purifier for high-efficiency clean water production. <i>Nature Communications</i> , 2019 , 10, 1512	17.4	93
271	An all-cotton-derived, arbitrarily foldable, high-rate, electrochemical supercapacitor. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8042-5	3.6	91
270	Graphitic Carbon Nitride/Graphene Hybrids as New Active Materials for Energy Conversion and Storage. <i>ChemNanoMat</i> , 2015 , 1, 298-318	3.5	90
269	Interface-mediated hygroelectric generator with an output voltage approaching 1.5 volts. <i>Nature Communications</i> , 2018 , 9, 4166	17.4	90
268	Ultrasensitive Pressure Sensor Based on an Ultralight Sparkling Graphene Block. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22885-22892	9.5	89

267	Self-powered wearable graphene fiber for information expression. <i>Nano Energy</i> , 2017 , 32, 329-335	17.1	88
266	Dimension-tailored functional graphene structures for energy conversion and storage. <i>Nanoscale</i> , 2013 , 5, 3112-26	7.7	86
265	Series of in-fiber graphene supercapacitors for flexible wearable devices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2547-2551	13	86
264	Hollow microstructures of polypyrrole doped by poly(styrene sulfonic acid). <i>Journal of Polymer Science Part A</i> , 2004 , 42, 3170-3177	2.5	84
263	Hierarchical hole-enhanced 3D graphene assembly for highly efficient capacitive deionization. <i>Carbon</i> , 2018 , 129, 95-103	10.4	84
262	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. <i>Energy and Environmental Science</i> , 2018 , 11, 559-565	35.4	82
261	Thermal Efficiency of Solar Steam Generation Approaching 100 % through Capillary Water Transport. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 19041-19046	16.4	82
260	Functionalized graphitic carbon nitride for metal-free, flexible and rewritable nonvolatile memory device via direct laser-writing. <i>Scientific Reports</i> , 2014 , 4, 5882	4.9	80
259	An efficient polymer moist-electric generator. <i>Energy and Environmental Science</i> , 2019 , 12, 972-978	35.4	80
258	A Microstructured Graphene/Poly(N-isopropylacrylamide) Membrane for Intelligent Solar Water Evaporation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16343-16347	16.4	80
257	Graphene-Based Functional Architectures: Sheets Regulation and Macrostructure Construction toward Actuators and Power Generators. <i>Accounts of Chemical Research</i> , 2017 , 50, 1663-1671	24.3	79
256	Three-dimensional graphene-polypyrrole hybrid electrochemical actuator. <i>Nanoscale</i> , 2012 , 4, 7563-8	7.7	79
255	Nitrogen-Doped Carbon Nanotube Aerogels for High-Performance ORR Catalysts. <i>Small</i> , 2015 , 11, 3903-8	8.1	78
254	Monoatomic-thick graphitic carbon nitride dots on graphene sheets as an efficient catalyst in the oxygen reduction reaction. <i>Nanoscale</i> , 2015 , 7, 3035-42	7.7	74
253	Electric Power Generation through the Direct Interaction of Pristine Graphene-Oxide with Water Molecules. <i>Small</i> , 2018 , 14, e1704473	11	73
252	A Graphitic-C ₃ N ₄ Beaweed Architecture for Enhanced Hydrogen Evolution. <i>Angewandte Chemie</i> , 2015 , 127, 11595-11599	3.6	73
251	Reconstruction of Inherent Graphene Oxide Liquid Crystals for Large-Scale Fabrication of Structure-Intact Graphene Aerogel Bulk toward Practical Applications. <i>ACS Nano</i> , 2018 , 12, 11407-11416	16.7	73
250	Structure Design and Composition Engineering of Carbon-Based Nanomaterials for Lithium Energy Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 1903030	21.8	71

249	Solution-Processed Ultraelastic and Strong Air-Bubbled Graphene Foams. <i>Small</i> , 2016 , 12, 3229-34	11	71
248	A Graphene Fibriform Responzor for Sensing Heat, Humidity, and Mechanical Changes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14951-5	16.4	70
247	Pristine Titanium Carbide MXene Films with Environmentally Stable Conductivity and Superior Mechanical Strength. <i>Advanced Functional Materials</i> , 2020 , 30, 1906996	15.6	70
246	Earth-abundant carbon catalysts for renewable generation of clean energy from sunlight and water. <i>Nano Energy</i> , 2017 , 41, 367-376	17.1	69
245	A powerful approach to functional graphene hybrids for high performance energy-related applications. <i>Energy and Environmental Science</i> , 2014 , 7, 3699-3708	35.4	68
244	Recent progress in graphene-based electrodes for flexible batteries. <i>Information Materials</i> , 2020 , 2, 509-526	23.1	68
243	A General and Extremely Simple Remote Approach toward Graphene Bulks with In Situ Multifunctionalization. <i>Advanced Materials</i> , 2016 , 28, 3305-12	24	67
242	Self-Healing Graphene Oxide Based Functional Architectures Triggered by Moisture. <i>Advanced Functional Materials</i> , 2017 , 27, 1703096	15.6	66
241	Vapor-Activated Power Generation on Conductive Polymer. <i>Advanced Functional Materials</i> , 2016 , 26, 8784-8792	15.6	64
240	Integrated graphene systems by laser irradiation for advanced devices. <i>Nano Today</i> , 2017 , 12, 14-30	17.9	63
239	Environmentally responsive graphene systems. <i>Small</i> , 2014 , 10, 2151-64	11	62
238	A rationally-designed synergetic polypyrrole/graphene bilayer actuator. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4015		62
237	A Type of 1 nm Molybdenum Carbide Confined within Carbon Nanomesh as Highly Efficient Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , 2018 , 28, 1705967	15.6	58
236	Spontaneous power source in ambient air of a well-directionally reduced graphene oxide bulk. <i>Energy and Environmental Science</i> , 2018 , 11, 2839-2845	35.4	58
235	Graphitic Carbon Nitride Nanoribbons: Graphene-Assisted Formation and Synergic Function for Highly Efficient Hydrogen Evolution. <i>Angewandte Chemie</i> , 2014 , 126, 14154-14159	3.6	58
234	Crystalline oligopyrene nanowires with multicolored emission. <i>Chemical Communications</i> , 2004 , 2800-1	5.8	58
233	Highly Efficient Clean Water Production from Contaminated Air with a Wide Humidity Range. <i>Advanced Materials</i> , 2020 , 32, e1905875	24	58
232	Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators. <i>Advanced Materials</i> , 2019 , 31, e1805705	24	57

231	Vertically Oriented Graphene Nanoribbon Fibers for High-Volumetric Energy Density All-Solid-State Asymmetric Supercapacitors. <i>Small</i> , 2017 , 13, 1700371	11	56
230	Mask-Free Patterning of High-Conductivity Metal Nanowires in Open Air by Spatially Modulated Femtosecond Laser Pulses. <i>Advanced Materials</i> , 2015 , 27, 6238-43	24	55
229	Highly Efficient Moisture-Triggered Nanogenerator Based on Graphene Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38170-38175	9.5	54
228	Heteroatom substituted and decorated graphene: preparation and applications. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 32077-98	3.6	54
227	All-region-applicable, continuous power supply of graphene oxide composite. <i>Energy and Environmental Science</i> , 2019 , 12, 1848-1856	35.4	53
226	Flexible in-plane graphene oxide moisture-electric converter for touchless interactive panel. <i>Nano Energy</i> , 2018 , 45, 37-43	17.1	53
225	Flexible and wearable graphene/polypyrrole fibers towards multifunctional actuator applications. <i>Electrochemistry Communications</i> , 2013 , 35, 49-52	5.1	52
224	Load-tolerant, highly strain-responsive graphene sheets. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2057		51
223	Unraveling the Charge Storage Mechanism of Ti3C2Tx MXene Electrode in Acidic Electrolyte. <i>ACS Energy Letters</i> , 2020 , 5, 2873-2880	20.1	51
222	Two-dimensional materials of group-IVA boosting the development of energy storage and conversion 2020 , 2, 54-71		50
221	Electrochemical deposition of polyaniline nanosheets mediated by sulfonated polyaniline functionalized graphenes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13978		50
220	Graphene-Based Fibers: Recent Advances in Preparation and Application. <i>Advanced Materials</i> , 2020 , 32, e1901979	24	50
219	Gradient doped polymer nanowire for moistelectric nanogenerator. <i>Nano Energy</i> , 2018 , 46, 297-304	17.1	49
218	Highly Efficient Actuator of Graphene/Polydopamine Uniform Composite Thin Film Driven by Moisture Gradients. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600169	4.6	49
217	Monolithic graphene fibers for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2013 , 1320, 27-32	4.5	49
216	Versatile Graphene Oxide Putty-Like Material. <i>Advanced Materials</i> , 2016 , 28, 10287-10292	24	49
215	Enhanced stability and separation efficiency of graphene oxide membranes in organic solvent nanofiltration. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19563-19569	13	49
214	Direct spinning of fiber supercapacitor. <i>Nanoscale</i> , 2016 , 8, 12113-7	7.7	48

213	Laser-Assisted Large-Scale Fabrication of All-Solid-State Asymmetrical Micro-Supercapacitor Array. <i>Small</i> , 2018 , 14, e1801809	11	46
212	Graphene quantum dots for energy storage and conversion: from fabrication to applications. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 421-436	7.8	46
211	Stretchable supercapacitor at 80 °C. <i>Energy and Environmental Science</i> , 2021 , 14, 3075-3085	35.4	45
210	An aqueous Zn/MnO ₂ rechargeable microbattery. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10926-10931	13	45
209	Chlorine-Doped Graphene Quantum Dots with Enhanced Anti- and Pro-Oxidant Properties. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21822-21829	9.5	44
208	Spontaneous formation of Cu ₂ O-g-C ₃ N ₄ core-shell nanowires for photocurrent and humidity responses. <i>Nanoscale</i> , 2015 , 7, 9694-702	7.7	44
207	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	28.7	44
206	Hybrid Energy Storage Device: Combination of Zinc-Ion Supercapacitor and Zinc-Air Battery in Mild Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7239-7248	9.5	43
205	A cross-linked polyacrylamide electrolyte with high ionic conductivity for compressible supercapacitors with wide temperature tolerance. <i>Nano Research</i> , 2019 , 12, 1199-1206	10	41
204	Shape-Controllable Gold Nanoparticle-MoS ₂ Hybrids Prepared by Tuning Edge-Active Sites and Surface Structures of MoS ₂ via Temporally Shaped Femtosecond Pulses. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7447-7455	9.5	40
203	Pristine Titanium Carbide MXene Hydrogel Matrix. <i>ACS Nano</i> , 2020 , 14, 10471-10479	16.7	40
202	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	13	40
201	Laser-Assisted Multiscale Fabrication of Configuration-Editable Supercapacitors with High Energy Density. <i>ACS Nano</i> , 2019 , 13, 7463-7470	16.7	39
200	Flexible and integrated supercapacitor with tunable energy storage. <i>Nanoscale</i> , 2017 , 9, 12324-12329	7.7	39
199	Electrochemical synthesis of novel polypyrrole microstructures. <i>Chemical Communications</i> , 2003 , 206-7	5.8	39
198	Metal (Ag, Pt)/MoS ₂ Hybrids Greenly Prepared Through Photochemical Reduction of Femtosecond Laser Pulses for SERS and HER. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7704-7714	8.3	38
197	Electric power generation using paper materials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20574-20578	13	37
196	Arbitrary waveform AC line filtering applicable to hundreds of volts based on aqueous electrochemical capacitors. <i>Nature Communications</i> , 2019 , 10, 2855	17.4	37

- 195 Synthesis of CaCO₃/graphene composite crystals for ultra-strong structural materials. *RSC Advances*, **2012**, 2, 2154 3.7 37
- 194 Multilevel, multicomponent microarchitectures of vertically-aligned carbon nanotubes for diverse applications. *ACS Nano*, **2011**, 5, 994-1002 16.7 37
- 193 InP and Sn:InP based quantum dot sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 21922-21929 3.6 192936
- 192 Large-Scale Production of Flexible, High-Voltage Hydroelectric Films Based on Solid Oxides. *ACS Applied Materials & Interfaces*, **2019**, 11, 30927-30935 9.5 36
- 191 A smart, anti-piercing and eliminating-dendrite lithium metal battery. *Nano Energy*, **2018**, 49, 403-410 17.1 35
- 190 Moist-electric generation. *Nanoscale*, **2019**, 11, 23083-23091 7.7 35
- 189 Wearable fiberform hydroelectric generator. *Nano Energy*, **2018**, 53, 698-705 17.1 35
- 188 Maximization of Spatial Charge Density: An Approach to Ultrahigh Energy Density of Capacitive Charge Storage. *Angewandte Chemie - International Edition*, **2020**, 59, 14541-14549 16.4 34
- 187 Laser photonic-reduction stamping for graphene-based micro-supercapacitors ultrafast fabrication. *Nature Communications*, **2020**, 11, 6185 17.4 34
- 186 A graphene oxide-mediated polyelectrolyte with high ion-conductivity for highly stretchable and self-healing all-solid-state supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 19463-19469 13 34
- 185 Controllable Synthesis of Nanosized Amorphous MoS_x Using Temporally Shaped Femtosecond Laser for Highly Efficient Electrochemical Hydrogen Production. *Advanced Functional Materials*, **2019**, 29, 1806229 15.6 33
- 184 Efficient room-temperature production of high-quality graphene by introducing removable oxygen functional groups to the precursor. *Chemical Science*, **2019**, 10, 1244-1253 9.4 32
- 183 One-pot Synthesis of Nitrogen and Phosphorus Co-doped Graphene and Its Use as High-performance Electrocatalyst for Oxygen Reduction Reaction. *Chemistry - an Asian Journal*, **2015**, 10, 2609-14 4.5 32
- 182 Performance of graphene sheets as stationary phase for capillary gas chromatographic separations. *Journal of Chromatography A*, **2015**, 1399, 74-9 4.5 32
- 181 Fabrication of highly hydrophobic surfaces of conductive polythiophene. *Journal of Materials Chemistry*, **2003**, 13, 2858 32
- 180 Salty Ice Electrolyte with Superior Ionic Conductivity Towards Low-Temperature Aqueous Zinc Ion Hybrid Capacitors. *Advanced Functional Materials*, **2021**, 31, 2101277 15.6 32
- 179 Superelastic, Macroporous Polystyrene-Mediated Graphene Aerogels for Active Pressure Sensing. *Chemistry - an Asian Journal*, **2016**, 11, 1071-5 4.5 32
- 178 Graphitic Carbon Nitride/Nitrogen-Rich Carbon Nanofibers: Highly Efficient Photocatalytic Hydrogen Evolution without Cocatalysts. *Angewandte Chemie*, **2016**, 128, 11007-11011 3.6 32

177	Ultra-high toughness all graphene fibers derived from synergetic effect of interconnected graphene ribbons and graphene sheets. <i>Carbon</i> , 2017 , 120, 17-22	10.4	31
176	A Responsive Battery with Controlled Energy Release. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14643-14647	16.4	31
175	Highly Ordered Graphene Solid: An Efficient Platform for Capacitive Sodium-Ion Storage with Ultrahigh Volumetric Capacity and Superior Rate Capability. <i>ACS Nano</i> , 2019 , 13, 9161-9170	16.7	31
174	Flexible and high-performance microsupercapacitors with wide temperature tolerance. <i>Nano Energy</i> , 2019 , 64, 103938	17.1	31
173	Ultrafast optical response and ablation mechanisms of molybdenum disulfide under intense femtosecond laser irradiation. <i>Light: Science and Applications</i> , 2020 , 9, 80	16.7	31
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5	Axial heterostructure nanoarray as all-solid-state micro-supercapacitors. <i>International Journal of Energy Research</i> , 2019 , 43, 6013-6025	4.5	
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1	Conductive Writing with High Precision by Laser-Induced Point-to-Line Carbonization Strategy for Flexible Supercapacitors (Advanced Optical Materials 24/2021). <i>Advanced Optical Materials</i> , 2021 , 9, 2170102	8.1	102