

Liangti Qu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2471835/liangti-qu-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Recent progress in graphene-based wearable piezoresistive sensors: From 1D to 3D device geometries. <i>Nano Materials Science</i> , 2022 ,	10.2	3
337	Bridged Carbon Fabric Membrane with Boosted Performance in AC Line-Filtering Capacitors.. <i>Advanced Science</i> , 2022 , e2105072	13.6	3
336	Graphene Materials for Miniaturized Energy Harvest and Storage Devices. <i>Small Structures</i> , 2022 , 3, 2270094	0.04	0
335	Ultrafast Shaped Laser Induced Synthesis of MXene Quantum Dots/Graphene for Transparent Supercapacitors.. <i>Advanced Materials</i> , 2022 , e2110013	24	10
334	Textile-based moisture power generator with dual asymmetric structure and high flexibility for wearable applications. <i>Nano Energy</i> , 2022 , 107017	17.1	4
333	A Flexible Aqueous Zinc-Iodine Micro-battery with Unprecedented Energy Density.. <i>Advanced Materials</i> , 2022 , e2109450	24	3
332	Graphene Ionogel Ultra-Fast Filter Supercapacitor with 4V Workable Window and 150 °C Operable Temperature.. <i>Small</i> , 2022 , e2200916	11	2
331	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions.. <i>Nature Communications</i> , 2022 , 13, 1863	17.4	6
330	Few-layer carbon nitride photocatalysts for solar fuels and chemicals: Current status and prospects. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1216-1229	11.3	1
329	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	8.9	1
328	A versatile, heat-resisting, electrocatalytic active graphene framework by in-situ formation of boron nitride quantum dots. <i>Carbon</i> , 2022 , 192, 123-132	10.4	1
327	Moisture adsorption-desorption full cycle power generation.. <i>Nature Communications</i> , 2022 , 13, 2524	17.4	9
326	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	8.9	0
325	Sunlight-coordinated high-performance Moisture Power in Natural Condition.. <i>Advanced Materials</i> , 2021 , e2103897	24	9
324	A Self-healing Zinc Ion Battery under -20 °C. <i>Energy Storage Materials</i> , 2021 ,	19.4	6
323	Planar Graphene-Based Microsupercapacitors (Small 48/2021). <i>Small</i> , 2021 , 17, 2170254	11	1
322	2D Silicene Nanosheets for High-Performance Zinc-Ion Hybrid Capacitor Application. <i>ACS Nano</i> , 2021 , 15, 16533-16541	16.7	4

321	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
320	Few-Layer Siloxene as an Electrode for Superior High-Rate Zinc Ion Hybrid Capacitors. <i>ACS Energy Letters</i> , 2021 , 6, 1786-1794	20.1	11
319	ZnS Hybrid Batteries: Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers (Adv. Energy Mater. 14/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170055 ^{21.8}		
318	Salty Ice Electrolyte with Superior Ionic Conductivity Towards Low-Temperature Aqueous Zinc Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2021 , 31, 2101277	15.6	32
317	A seamlessly integrated device of micro-supercapacitor and wireless charging with ultrahigh energy density and capacitance. <i>Nature Communications</i> , 2021 , 12, 2647	17.4	30
316	The Advance and Perspective on Electrode Materials for MetalIon Hybrid Capacitors. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2100022	1.6	4
315	The Emerging of Aqueous Zinc-Based Dual Electrolytic Batteries. <i>Small</i> , 2021 , 17, e2008043	11	6
314	One-step synthesis of hierarchical Ni ₃ Se ₂ nanosheet-on-nanorods/Ni foam electrodes for hybrid supercapacitors. <i>Chinese Chemical Letters</i> , 2021 , 33, 475-475	8.1	3
313	All-pH-Tolerant In-Plane Heterostructures for Efficient Hydrogen Evolution Reaction. <i>ACS Nano</i> , 2021 ,	16.7	19
312	Custom-Built Graphene Acoustic-Absorbing Aerogel for Audio Signal Recognition. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100227	4.6	2
311	An Aqueous Anti-Freezing and Heat-Tolerant Symmetric Microsupercapacitor with 2.3V Output Voltage. <i>Advanced Energy Materials</i> , 2021 , 11, 2101523	21.8	10
310	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 ^{19.4}		11
309	Laser fabrication of functional micro-supercapacitors. <i>Journal of Energy Chemistry</i> , 2021 , 59, 642-665	12	14
308	Progress in 3D-Graphene Assemblies Preparation for Solar-Thermal Steam Generation and Water Treatment. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2021 , 2101020-0	3.8	2
307	Ultratough and ultrastrong graphene oxide hybrid films via a polycationitrile approach. <i>Nanoscale Horizons</i> , 2021 , 6, 341-347	10.8	3
306	Stretchable supercapacitor at 0 °C. <i>Energy and Environmental Science</i> , 2021 , 14, 3075-3085	35.4	45
305	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	13	15
304	Emerging Materials for Water-Enabled Electricity Generation 2021 , 3, 193-209		18

303	Graphene Oxide Assemblies for Sustainable Clean-Water Harvesting and Green-Electricity Generation. <i>Accounts of Materials Research</i> , 2021 , 2, 97-107	7.5	10
302	Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers. <i>Advanced Energy Materials</i> , 2021 , 11, 2003982	21.8	19
301	Planar Graphene-Based Microsupercapacitors. <i>Small</i> , 2021 , 17, e2006827	11	7
300	Controllable Photonic Structures on Silicon-on-Insulator Devices Fabricated Using Femtosecond Laser Lithography. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43622-43631	9.5	2
299	Vertical Graphene Arrays as Electrodes for Ultra-High Energy Density AC Line-Filtering Capacitors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24505-24509	16.4	4
298	A Cascade Battery: Coupling Two Sequential Electrochemical Reactions in a Single Battery. <i>Advanced Materials</i> , 2021 , 33, e2105480	24	7
297	Moisture Power in Natural Polymeric Silk Fibroin Flexible Membrane Triggers Efficient Antibacterial Activity of Silver Nanoparticles. <i>Nano Energy</i> , 2021 , 106529	17.1	3
296	Mechanism of Nitrogen-Doped TiC Quantum Dots for Free-Radical Scavenging and the Ultrasensitive HO Detection Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42442-42450	8.5	5
295	Grain Boundary Design of Solid Electrolyte Actualizing Stable All-Solid-State Sodium Batteries. <i>Small</i> , 2021 , 17, e2103819	11	4
294	Reborn Three-Dimensional Graphene with Ultrahigh Volumetric Desalination Capacity. <i>Advanced Materials</i> , 2021 , 33, e2105853	24	12
293	A hierarchical heterojunction polymer aerogel for accelerating charge transfer and separation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7881-7887	13	5
292	Progress in the Understanding and Applications of the Intrinsic Reactivity of Graphene-Based Materials. <i>Small Science</i> , 2021 , 1, 2000026		28
291	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	10
290	Micro/nano processing of natural silk fibers with near-field enhanced ultrafast laser. <i>Science China Materials</i> , 2020 , 63, 1300-1309	7.1	8
289	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	6.1	6
288	Synergistic oxygen substitution and heterostructure construction in polymeric semiconductors for efficient water splitting. <i>Nanoscale</i> , 2020 , 12, 13484-13490	7.7	17
287	An intelligent film actuator with multi-level deformation behaviour. <i>Nanoscale Horizons</i> , 2020 , 5, 1226-1232	13.28	5
286	Maximization of Spatial Charge Density: An Approach to Ultrahigh Energy Density of Capacitive Charge Storage. <i>Angewandte Chemie</i> , 2020 , 132, 14649-14657	3.6	14

285	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	16.4	34
284	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	21.8	12
283	Two-dimensional materials of group-IVA boosting the development of energy storage and conversion 2020 , 2, 54-71		50
282	Hierarchical ZnO@Hybrid Carbon Core-Shell Nanowire Array on a Graphene Fiber Microelectrode for Ultrasensitive Detection of 2,4,6-Trinitrotoluene. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8547-8554	9.5	13
281	Shaped femtosecond laser induced photoreduction for highly controllable Au nanoparticles based on localized field enhancement and their SERS applications. <i>Nanophotonics</i> , 2020 , 9, 691-702	6.3	14
280	Reduced Graphene Oxide-Based Spectrally Selective Absorber with an Extremely Low Thermal Emittance and High Solar Absorptance. <i>Advanced Science</i> , 2020 , 7, 1903125	13.6	21
279	A directly swallowable and ingestible micro-supercapacitor. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4055-4061	13	18
278	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
277	Multifunctional 3D Micro-Nanostructures Fabricated through Temporally Shaped Femtosecond Laser Processing for Preventing Thrombosis and Bacterial Infection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17155-17166	9.5	13
276	Structure Design and Composition Engineering of Carbon-Based Nanomaterials for Lithium Energy Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 1903030	21.8	71
275	Retarding Ostwald Ripening to Directly Cast 3D Porous Graphene Oxide Bulks at Open Ambient Conditions. <i>ACS Nano</i> , 2020 , 14, 6249-6257	16.7	11
274	Regulation of 2D Graphene Materials for Electrocatalysis. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2271-2284		8
273	Tunable Graphene Systems for Water Desalination. <i>ChemNanoMat</i> , 2020 , 6, 1028-1048	3.5	16
272	Frontiers of carbon materials as capacitive deionization electrodes. <i>Dalton Transactions</i> , 2020 , 49, 5006-5014	4.9	16
271	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
270	Transparent, self-healing, arbitrary tailorable moist-electric film generator. <i>Nano Energy</i> , 2020 , 67, 104238	38.1	24
269	Miniaturized high-performance metallic 1T-Phase MoS ₂ micro-supercapacitors fabricated by temporally shaped femtosecond pulses. <i>Nano Energy</i> , 2020 , 67, 104260	17.1	18
268	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	3.6	16

267	Graphene quantum dots for energy storage and conversion: from fabrication to applications. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 421-436	7.8	46
266	Conjugated Polymers as Hole Transporting Materials for Solar Cells. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020 , 38, 449-458	3.5	6
265	Pristine Titanium Carbide MXene Films with Environmentally Stable Conductivity and Superior Mechanical Strength. <i>Advanced Functional Materials</i> , 2020 , 30, 1906996	15.6	70
264	Compact Assembly and Programmable Integration of Supercapacitors. <i>Advanced Materials</i> , 2020 , 32, e1907005	24	21
263	Highly Efficient Clean Water Production from Contaminated Air with a Wide Humidity Range. <i>Advanced Materials</i> , 2020 , 32, e1905875	24	58
262	2D Graphene-Based Macroscopic Assemblies for Micro-Supercapacitors. <i>ChemSusChem</i> , 2020 , 13, 1255-1274	13.4	14
261	Large-Scale Spinning Approach to Engineering Knittable Hydrogel Fiber for Soft Robots. <i>ACS Nano</i> , 2020 , 14, 14929-14938	16.7	21
260	Biomimetic Antigravity Water Transport and Remote Harvesting Powered by Sunlight. <i>Global Challenges</i> , 2020 , 4, 2000043	4.3	1
259	Pristine Titanium Carbide MXene Hydrogel Matrix. <i>ACS Nano</i> , 2020 , 14, 10471-10479	16.7	40
258	The First Flexible Dual-Ion Microbattery Demonstrates Superior Capacity and Ultrahigh Energy Density: Small and Powerful. <i>Advanced Functional Materials</i> , 2020 , 30, 2002086	15.6	22
257	Laser photonic-reduction stamping for graphene-based micro-supercapacitors ultrafast fabrication. <i>Nature Communications</i> , 2020 , 11, 6185	17.4	34
256	Unraveling the Charge Storage Mechanism of Ti ₃ C ₂ T _x MXene Electrode in Acidic Electrolyte. <i>ACS Energy Letters</i> , 2020 , 5, 2873-2880	20.1	51
255	Interface-enhanced distillation beyond tradition based on well-arranged graphene membrane. <i>Science China Materials</i> , 2020 , 63, 1948-1956	7.1	5
254	Femtosecond Laser Induced Phase Transformation of TiO with Exposed Reactive Facets for Improved Photoelectrochemistry Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41250-41258	9.5	7
253	Functional group defect design in polymeric carbon nitride for photocatalytic application. <i>APL Materials</i> , 2020 , 8, 120703	5.7	7
252	Recent progress in graphene-based electrodes for flexible batteries. <i>Information Materials</i> , 2020 , 2, 509-526	23.1	68
251	Graphene-Based Fibers: Recent Advances in Preparation and Application. <i>Advanced Materials</i> , 2020 , 32, e1901979	24	50
250	Electric power generation using paper materials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20574-20578	13	37

249	Ultra-small dispersed Cu O nanoparticles on graphene fibers for miniaturized electrochemical sensor applications.. <i>RSC Advances</i> , 2019 , 9, 28207-28212	3.7	3
248	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	7.7	15
247	Enhancing charge transfer with foreign molecules through femtosecond laser induced MoS defect sites for photoluminescence control and SERS enhancement. <i>Nanoscale</i> , 2019 , 11, 485-494	7.7	25
246	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	9.4	32
245	Preparation of sulfur-doped graphene fibers and their application in flexible fibriform micro-supercapacitors. <i>Frontiers of Materials Science</i> , 2019 , 13, 145-153	2.5	7
244	Laser-Assisted Multiscale Fabrication of Configuration-Editable Supercapacitors with High Energy Density. <i>ACS Nano</i> , 2019 , 13, 7463-7470	16.7	39
243	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
242	Fabrication of highly homogeneous and controllable nanogratings on silicon via chemical etching-assisted femtosecond laser modification. <i>Nanophotonics</i> , 2019 , 8, 869-878	6.3	22
241	All-region-applicable, continuous power supply of graphene oxide composite. <i>Energy and Environmental Science</i> , 2019 , 12, 1848-1856	35.4	53
240	Graphene Fibers: Advancing Applications in Sensor, Energy Storage and Conversion. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 535-547	3.5	14
239	Polymorph-Controlled Crystallization of Acetaminophen through Femtosecond Laser Irradiation. <i>Crystal Growth and Design</i> , 2019 , 19, 3265-3271	3.5	10
238	A three-dimensional hollow graphene fiber microelectrode with shrink-effect-enabled enzyme immobilization for sensor applications. <i>Science Bulletin</i> , 2019 , 64, 718-722	10.6	11
237	Superplastic Air-Dryable Graphene Hydrogels for Wet-Press Assembly of Ultrastrong Superelastic Aerogels with Infinite Macroscale. <i>Advanced Functional Materials</i> , 2019 , 29, 1901917	15.6	28
236	Power generation from graphene-water interactions. <i>FlatChem</i> , 2019 , 14, 100090	5.1	17
235	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
234	High performance broadband acoustic absorption and sound sensing of a bubbled graphene monolith. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11423-11429	13	14
233	Plant leaves inspired sunlight-driven purifier for high-efficiency clean water production. <i>Nature Communications</i> , 2019 , 10, 1512	17.4	93
232	A 3D-graphene fiber electrode embedded with nitrogen-rich-carbon-coated ZIF-67 for the ultrasensitive detection of adrenaline. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5291-5295	7.3	17

231	Large-Scale Production of Flexible, High-Voltage Hydroelectric Films Based on Solid Oxides. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30927-30935	9.5	36
230	Moist-electric generation. <i>Nanoscale</i> , 2019 , 11, 23083-23091	7.7	35
229	Cylindrically Focused Nonablative Femtosecond Laser Processing of Long-Range Uniform Periodic Surface Structures with Tunable Diffraction Efficiency. <i>Advanced Optical Materials</i> , 2019 , 7, 1900706	8.1	25
228	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
227	Axial heterostructure nanoarray as all-solid-state micro-supercapacitors. <i>International Journal of Energy Research</i> , 2019 , 43, 6013-6025	4.5	
226	Flexible and high-performance microsupercapacitors with wide temperature tolerance. <i>Nano Energy</i> , 2019 , 64, 103938	17.1	31
225	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
224	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
223	MEG actualized by high-valent metal carrier transport. <i>Nano Energy</i> , 2019 , 65, 104047	17.1	9
222	Tunable-Deformed Graphene Layers for Actuation. <i>Frontiers in Chemistry</i> , 2019 , 7, 725	5	3
221	Thermal Efficiency of Solar Steam Generation Approaching 100 % through Capillary Water Transport. <i>Angewandte Chemie</i> , 2019 , 131, 19217-19222	3.6	17
220	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
219	An efficient polymer moist-electric generator. <i>Energy and Environmental Science</i> , 2019 , 12, 972-978	35.4	80
218	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	15.6	33
217	Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators. <i>Advanced Materials</i> , 2019 , 31, e1805705	24	57
216	Hygroelectric Generators: Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators (Adv. Mater. 2/2019). <i>Advanced Materials</i> , 2019 , 31, 1970013	24	1
215	Efficient Metal-Free Electrocatalysts from N-Doped Carbon Nanomaterials: Mono-Doping and Co-Doping. <i>Advanced Materials</i> , 2019 , 31, e1805121	24	205
214	Direct solar steam generation system for clean water production. <i>Energy Storage Materials</i> , 2019 , 18, 429-446	19.4	151

213	Biomimetic Graphite Foils with High Foldability and Conductivity. <i>Small Methods</i> , 2019 , 3, 1800282	12.8	1
212	Electric Power Generation through the Direct Interaction of Pristine Graphene-Oxide with Water Molecules. <i>Small</i> , 2018 , 14, e1704473	11	73
211	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
210	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
209	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
208	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
207	Gradient doped polymer nanowire for moistelectric nanogenerator. <i>Nano Energy</i> , 2018 , 46, 297-304	17.1	49
206	Scalable Conversion of CO ₂ to N-Doped Carbon Foam for Efficient Oxygen Reduction Reaction and Lithium Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3358-3366	8.3	7
205	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
204	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
203	Flexible in-plane graphene oxide moisture-electric converter for touchless interactive panel. <i>Nano Energy</i> , 2018 , 45, 37-43	17.1	53
202	Graphene Platforms for Smart Energy Generation and Storage. <i>Joule</i> , 2018 , 2, 245-268	27.8	124
201	A smart, anti-piercing and eliminating-dendrite lithium metal battery. <i>Nano Energy</i> , 2018 , 49, 403-410	17.1	35
200	Highly efficient solar vapour generation via hierarchically nanostructured gels. <i>Nature Nanotechnology</i> , 2018 , 13, 489-495	28.7	825
199	A Novel β -Glucuronidase from <i>Talaromyces pinophilus</i> Li-93 Precisely Hydrolyzes Glycyrrhizin into Glycyrrhetic Acid 3--Mono- β -Glucuronide. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	14
198	Interactions between Graphene-Based Materials and Water Molecules toward Actuator and Electricity-Generator Applications. <i>Small Methods</i> , 2018 , 2, 1800108	12.8	23
197	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
196	Highly crumpled nanocarbons as efficient metal-free electrocatalysts for zinc-air batteries. <i>Nanoscale</i> , 2018 , 10, 15706-15713	7.7	17

195	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
194	Processing and manufacturing of graphene-based microsupercapacitors. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1750-1764	7.8	29
193	Wood-inspired multi-channel tubular graphene network for high-performance lithium-sulfur batteries. <i>Carbon</i> , 2018 , 139, 522-530	10.4	13
192	A general synthesis strategy for the multifunctional 3D polypyrrole foam of thin 2D nanosheets. <i>Frontiers of Materials Science</i> , 2018 , 12, 105-117	2.5	2
191	A Cut-Resistant and Highly Restorable Graphene Foam. <i>Small</i> , 2018 , 14, e1801916	11	7
190	Laser-Assisted Large-Scale Fabrication of All-Solid-State Asymmetrical Micro-Supercapacitor Array. <i>Small</i> , 2018 , 14, e1801809	11	46
189	Hierarchical hole-enhanced 3D graphene assembly for highly efficient capacitive deionization. <i>Carbon</i> , 2018 , 129, 95-103	10.4	84
188	A capacity recoverable zinc-ion micro-supercapacitor. <i>Energy and Environmental Science</i> , 2018 , 11, 3367-3374	11.4	185
187	Titelbild: A Microstructured Graphene/Poly(N-isopropylacrylamide) Membrane for Intelligent Solar Water Evaporation (Angew. Chem. 50/2018). <i>Angewandte Chemie</i> , 2018 , 130, 16471-16471	3.6	
186	Wearable fiberform hygroelectric generator. <i>Nano Energy</i> , 2018 , 53, 698-705	17.1	35
185	Interface-mediated hygroelectric generator with an output voltage approaching 1.5 volts. <i>Nature Communications</i> , 2018 , 9, 4166	17.4	90
184	Sunlight-Driven Water Transport via a Reconfigurable Pump. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15435-15440	16.4	18
183	Sunlight-Driven Water Transport via a Reconfigurable Pump. <i>Angewandte Chemie</i> , 2018 , 130, 15661-15666	16.4	9
182	(111) Facets-Oriented Au-Decorated Carbon Nitride Nanoplatelets for Visible-Light-Driven Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38066-38072	9.5	31
181	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
180	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
179	A Microstructured Graphene/Poly(N-isopropylacrylamide) Membrane for Intelligent Solar Water Evaporation. <i>Angewandte Chemie</i> , 2018 , 130, 16581-16585	3.6	5
178	Carbon-Based, Metal-Free Catalysts for Photocatalysis 2018 , 457-500		0

177	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
176	Versatile origami micro-supercapacitors array as a wind energy harvester. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19750-19756	13	25
175	A graphene oxide-mediated polyelectrolyte with high ion-conductivity for highly stretchable and self-healing all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19463-19469	13	34
174	Asymmetrical Micro-Supercapacitors: Laser-Assisted Large-Scale Fabrication of All-Solid-State Asymmetrical Micro-Supercapacitor Array (Small 37/2018). <i>Small</i> , 2018 , 14, 1870171	11	0
173	Wall-Mesoporous Graphitic Carbon Nitride Nanotubes for Efficient Photocatalytic Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3160-3164	4.5	18
172	An aqueous ZnMnO ₂ rechargeable microbattery. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10926-10931	13	45
171	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
170	Integrated graphene systems by laser irradiation for advanced devices. <i>Nano Today</i> , 2017 , 12, 14-30	17.9	63
169	Self-powered wearable graphene fiber for information expression. <i>Nano Energy</i> , 2017 , 32, 329-335	17.1	88
168	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
167	Shape-Controllable Gold Nanoparticle-MoS Hybrids Prepared by Tuning Edge-Active Sites and Surface Structures of MoS via Temporally Shaped Femtosecond Pulses. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7447-7455	9.5	40
166	Unusual Assembly and Conversion of Graphene Quantum Dots into Crystalline Graphite Nanocapsules. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 1272-1276	4.5	2
165	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
164	Vertically Oriented Graphene Nanoribbon Fibers for High-Volumetric Energy Density All-Solid-State Asymmetric Supercapacitors. <i>Small</i> , 2017 , 13, 1700371	11	56
163	Ultrafast response of dielectric properties of monolayer phosphorene to femtosecond laser. <i>Journal of Applied Physics</i> , 2017 , 121, 173105	2.5	6
162	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
161	Interconnected Molybdenum Carbide-Based Nanoribbons for Highly Efficient and Ultrastable Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24608-24615	9.5	30
160	Functional Carbon Nanomesh Clusters. <i>Advanced Functional Materials</i> , 2017 , 27, 1701514	15.6	18

159	Trash to treasure: converting plastic waste into a useful graphene foil. <i>Nanoscale</i> , 2017 , 9, 9089-9094	7.7	29
158	A 2D free-standing film-inspired electrocatalyst for highly efficient hydrogen production. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12027-12033	13	23
157	A versatile graphene foil. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14508-14513	13	16
156	Graphitic carbon nitride nanofibers in seaweed-like architecture for gas chromatographic separations. <i>Journal of Chromatography A</i> , 2017 , 1496, 133-140	4.5	12
155	Highly Efficient Moisture-Triggered Nanogenerator Based on Graphene Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38170-38175	9.5	54
154	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
153	Metal/graphene oxide batteries. <i>Carbon</i> , 2017 , 125, 299-307	10.4	23
152	Self-Healing Graphene Oxide Based Functional Architectures Triggered by Moisture. <i>Advanced Functional Materials</i> , 2017 , 27, 1703096	15.6	66
151	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
150	Graphene/graphitic carbon nitride hybrids for catalysis. <i>Materials Horizons</i> , 2017 , 4, 832-850	14.4	130
149	Dimensional confinement of graphene in a polypyrrole microbowl for sensor applications. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5733-5737	7.3	5
148	Graphene-based smart materials. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	391
147	Flexible and integrated supercapacitor with tunable energy storage. <i>Nanoscale</i> , 2017 , 9, 12324-12329	7.7	39
146	Electron dynamics and optical properties modulation of monolayer MoS ₂ by femtosecond laser pulse: a simulation using time-dependent density functional theory. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	1
145	A graphene-based porous carbon material as a stationary phase for gas chromatographic separations. <i>RSC Advances</i> , 2017 , 7, 32126-32132	3.7	11
144	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
143	Ultrasensitive Pressure Sensor Based on an Ultralight Sparkling Graphene Block. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22885-22892	9.5	89
142	Built Structure of Ordered Vertically Aligned Codoped Carbon Nanowire Arrays for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24840-24845	9.5	19

141	Graphene Oxide Nanoribbon Assembly toward Moisture-Powered Information Storage. <i>Advanced Materials</i> , 2017 , 29, 1604972	24	94
140	Shock induced conversion of carbon dioxide to few layer graphene. <i>Carbon</i> , 2017 , 115, 471-476	10.4	13
139	Coupling interconnected MoO/WO nanosheets with a graphene framework as a highly efficient anode for lithium-ion batteries. <i>Nanoscale</i> , 2017 , 10, 396-402	7.7	21
138	Graphene-ZIF8 composite material as stationary phase for high-resolution gas chromatographic separations of aliphatic and aromatic isomers. <i>Journal of Chromatography A</i> , 2016 , 1460, 173-80	4.5	30
137	One Single Graphene Oxide Film for Responsive Actuation. <i>ACS Nano</i> , 2016 , 10, 9529-9535	16.7	115
136	Solution-processed MoS ₂ nanotubes/reduced graphene oxide nanocomposite as an active electrocatalyst toward the hydrogen evolution reaction. <i>RSC Advances</i> , 2016 , 6, 70740-70746	3.7	11
135	A respiration-detective graphene oxide/lithium battery. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 19154-19159	15.6	64
134	Vapor-Activated Power Generation on Conductive Polymer. <i>Advanced Functional Materials</i> , 2016 , 26, 8784-8792	15.6	64
133	A Responsive Battery with Controlled Energy Release. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14643-14647	16.4	31
132	A Responsive Battery with Controlled Energy Release. <i>Angewandte Chemie</i> , 2016 , 128, 14863-14867	3.6	15
131	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
130	A versatile, superelastic polystyrene/graphene capsule-like framework. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10118-10123	13	24
129	Solution-Processed Ultraelastic and Strong Air-Bubbled Graphene Foams. <i>Small</i> , 2016 , 12, 3229-34	11	71
128	A Large-Area, Flexible, and Flame-Retardant Graphene Paper. <i>Advanced Functional Materials</i> , 2016 , 26, 1470-1476	15.6	105
127	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
126	Atomically Thin Mesoporous Nanomesh of Graphitic Carbon for High-Efficiency Photocatalytic Hydrogen Evolution. <i>ACS Nano</i> , 2016 , 10, 2745-51	16.7	701
125	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
124	Highly efficient moisture-enabled electricity generation from graphene oxide frameworks. <i>Energy and Environmental Science</i> , 2016 , 9, 912-916	35.4	181

123	Scalable Preparation of Multifunctional Fire-Retardant Ultralight Graphene Foams. <i>ACS Nano</i> , 2016 , 10, 1325-32	16.7	105
122	A General and Extremely Simple Remote Approach toward Graphene Bulks with In Situ Multifunctionalization. <i>Advanced Materials</i> , 2016 , 28, 3305-12	24	67
121	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
120	Superelastic, Macroporous Polystyrene-Mediated Graphene Aerogels for Active Pressure Sensing. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1071-5	4.5	32
119	Polymer/Graphene Hybrids for Advanced Energy-Conversion and -Storage Materials. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1151-68	4.5	26
118	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
117	Direct spinning of fiber supercapacitor. <i>Nanoscale</i> , 2016 , 8, 12113-7	7.7	48
116	Stimuli-deformable graphene materials: from nanosheet to macroscopic assembly. <i>Materials Today</i> , 2016 , 19, 146-156	21.8	21
115	Graphene decorated with bimodal size of carbon polyhedrons for enhanced lithium storage. <i>Carbon</i> , 2016 , 106, 9-19	10.4	23
114	Controllable localization of carbon nanotubes on the holey edge of graphene: an efficient oxygen reduction electrocatalyst for Zn air batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18240-18247	13	27
113	Versatile Graphene Oxide Putty-Like Material. <i>Advanced Materials</i> , 2016 , 28, 10287-10292	24	49
112	A novel nitrogen-doped graphene fiber microelectrode with ultrahigh sensitivity for the detection of dopamine. <i>Electrochemistry Communications</i> , 2016 , 72, 122-125	5.1	27
111	Reduced Graphene Oxide Membranes for Ultrafast Organic Solvent Nanofiltration. <i>Advanced Materials</i> , 2016 , 28, 8669-8674	24	283
110	Graphitic Carbon Nitride/Nitrogen-Rich Carbon Nanofibers: Highly Efficient Photocatalytic Hydrogen Evolution without Cocatalysts. <i>Angewandte Chemie</i> , 2016 , 128, 11007-11011	3.6	32
109	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
108	Separation performance of graphene oxide as stationary phase for capillary gas chromatography. <i>Chinese Chemical Letters</i> , 2015 , 26, 47-49	8.1	7
107	Three-dimensional graphitic carbon nitride functionalized graphene-based high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6761-6766	13	146
106	Graphitic C ₃ N ₄ -Pt nanohybrids supported on a graphene network for highly efficient methanol oxidation. <i>Science China Materials</i> , 2015 , 58, 21-27	7.1	30

105	Re-shaping graphene hydrogels for effectively enhancing actuation responses. <i>Nanoscale</i> , 2015 , 7, 12372-8	7.8	11
104	Nitrogen-Doped Carbon Nanotube Aerogels for High-Performance ORR Catalysts. <i>Small</i> , 2015 , 11, 3903-8	8.1	78
103	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
102	A linear graphene edge nanoelectrode. <i>Chemical Communications</i> , 2015 , 51, 8765-8	5.8	20
101	Metal-free catalysts for oxygen reduction reaction. <i>Chemical Reviews</i> , 2015 , 115, 4823-92	68.1	1763
100	Hydrodynamic simulation of ultrashort pulse laser ablation of gold film. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 1047-1052	2.6	1
99	Heteroatom substituted and decorated graphene: preparation and applications. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 32077-98	3.6	54
98	InP and Sn:InP based quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21922-3	21929	36
97	Chromatographic selectivity of graphene capillary column pretreated with bio-inspired polydopamine polymer. <i>RSC Advances</i> , 2015 , 5, 74040-74045	3.7	17
96	Detection of epinephrine and metanephrine at a nitrogen doped three-dimensional porous graphene modified electrode. <i>Analytical Methods</i> , 2015 , 7, 10394-10402	3.2	7
95	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
94	Femtosecond laser rapid fabrication of large-area rose-like micropatterns on freestanding flexible graphene films. <i>Scientific Reports</i> , 2015 , 5, 17557	4.9	24
93	A Graphene Fibriform Responsor for Sensing Heat, Humidity, and Mechanical Changes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14951-5	16.4	70
92	One-pot Synthesis of Nitrogen and Phosphorus Co-doped Graphene and Its Use as High-performance Electrocatalyst for Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2609-14	4.5	32
91	Bubble-Decorated Honeycomb-Like Graphene Film as Ultrahigh Sensitivity Pressure Sensors. <i>Advanced Functional Materials</i> , 2015 , 25, 6545-6551	15.6	163
90	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
89	Direct Power Generation from a Graphene Oxide Film under Moisture. <i>Advanced Materials</i> , 2015 , 27, 4351-7	24	256
88	A Graphitic-C ₃ N ₄ Seaweed Architecture for Enhanced Hydrogen Evolution. <i>Angewandte Chemie</i> , 2015 , 127, 11595-11599	3.6	73

87	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
86	A Graphene Fibriform Responser for Sensing Heat, Humidity, and Mechanical Changes. <i>Angewandte Chemie</i> , 2015 , 127, 15164-15168	3.6	9
85	Performance of graphene sheets as stationary phase for capillary gas chromatographic separations. <i>Journal of Chromatography A</i> , 2015 , 1399, 74-9	4.5	32
84	Graphitic Carbon Nitride/Graphene Hybrids as New Active Materials for Energy Conversion and Storage. <i>ChemNanoMat</i> , 2015 , 1, 298-318	3.5	90
83	Series of in-fiber graphene supercapacitors for flexible wearable devices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2547-2551	13	86
82	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
81	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
80	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
79	Facile production of ultrathin graphitic carbon nitride nanoplatelets for efficient visible-light water splitting. <i>Nano Research</i> , 2015 , 8, 1718-1728	10	131
78	Rational design of three-dimensional nitrogen-doped carbon nanoleaf networks for high-performance oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5617-5627	13	28
77	MnO ₂ -modified hierarchical graphene fiber electrochemical supercapacitor. <i>Journal of Power Sources</i> , 2014 , 247, 32-39	8.9	184
76	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
75	All-in-one graphene fiber supercapacitor. <i>Nanoscale</i> , 2014 , 6, 6448-51	7.7	174
74	Moisture-activated torsional graphene-fiber motor. <i>Advanced Materials</i> , 2014 , 26, 2909-13	24	237
73	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
72	Uniquely arranged graphene-on-graphene structure as a binder-free anode for high-performance lithium-ion batteries. <i>Small</i> , 2014 , 10, 5035-41	11	30
71	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
70	Stepwise assembled nickel/cobalt-hydroxide hetero-accumulated nanocrystalline walls on reduced graphene oxide/nickel foams: an adjustable interface design for capacitive charge storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4894-4898	13	5

69	Preparation of multifunctional microchannel-network graphene foams. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16786-16792	13	27
68	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
67	Graphene fiber: a new material platform for unique applications. <i>NPG Asia Materials</i> , 2014 , 6, e113-e11310.3	10.3	158
66	Decoration of graphene network with metal-organic frameworks for enhanced electrochemical capacitive behavior. <i>Carbon</i> , 2014 , 78, 231-242	10.4	103
65	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
64	Graphene quantum dots-three-dimensional graphene composites for high-performance supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 19307-13	3.6	135
63	Functional graphene nanomesh foam. <i>Energy and Environmental Science</i> , 2014 , 7, 1913	35.4	192
62	Environmentally responsive graphene systems. <i>Small</i> , 2014 , 10, 2151-64	11	62
61	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
60	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
59	A dually spontaneous reduction and assembly strategy for hybrid capsules of graphene quantum dots with platinum-copper nanoparticles for enhanced oxygen reduction reaction. <i>Carbon</i> , 2014 , 74, 170-179	10.4	20
58	Flexible and wearable graphene/polypyrrole fibers towards multifunctional actuator applications. <i>Electrochemistry Communications</i> , 2013 , 35, 49-52	5.1	52
57	Graphene fibers with predetermined deformation as moisture-triggered actuators and robots. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10482-6	16.4	238
56	Simulation of rippled structure adjustments based on localized transient electron dynamics control by femtosecond laser pulse trains. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 111, 813-819	2.6	8
55	Monolithic graphene fibers for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2013 , 1320, 27-32	4.5	49
54	Carbon nanotube-nanopipe composite vertical arrays for enhanced electrochemical capacitance. <i>Carbon</i> , 2013 , 64, 507-515	10.4	13
53	An all-cotton-derived, arbitrarily foldable, high-rate, electrochemical supercapacitor. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8042-5	3.6	91
52	Dimension-tailored functional graphene structures for energy conversion and storage. <i>Nanoscale</i> , 2013 , 5, 3112-26	7.7	86

51	Textile electrodes woven by carbon nanotube-graphene hybrid fibers for flexible electrochemical capacitors. <i>Nanoscale</i> , 2013 , 5, 3428-34	7.7	274
50	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
49	Highly compression-tolerant supercapacitor based on polypyrrole-mediated graphene foam electrodes. <i>Advanced Materials</i> , 2013 , 25, 591-5	24	676
48	Large-scale spinning assembly of neat, morphology-defined, graphene-based hollow fibers. <i>ACS Nano</i> , 2013 , 7, 2406-12	16.7	119
47	Stimulus-responsive graphene systems towards actuator applications. <i>Energy and Environmental Science</i> , 2013 , 6, 3520	35.4	115
46	Frequency dependence of electron dynamics during femtosecond laser resonant photoionization of Li ₄ cluster. <i>Journal of Applied Physics</i> , 2013 , 114, 143105	2.5	2
45	Nonlinear ionization mechanism dependence of energy absorption in diamond under femtosecond laser irradiation. <i>Journal of Applied Physics</i> , 2013 , 113, 143106	2.5	7
44	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
43	Graphene Fibers with Predetermined Deformation as Moisture-Triggered Actuators and Robots. <i>Angewandte Chemie</i> , 2013 , 125, 10676-10680	3.6	21
42	Facile fabrication of light, flexible and multifunctional graphene fibers. <i>Advanced Materials</i> , 2012 , 24, 1856-61	24	464
41	Dry adhesion of polythiophene nanotube arrays with drag-induced direction dependence. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 4047-4053	2.9	4
40	A Versatile, Ultralight, Nitrogen-Doped Graphene Framework. <i>Angewandte Chemie</i> , 2012 , 124, 11533-11537	3.7	262
39	Innentitelbild: A Versatile, Ultralight, Nitrogen-Doped Graphene Framework (Angew. Chem. 45/2012). <i>Angewandte Chemie</i> , 2012 , 124, 11336-11336	3.6	1
38	A versatile, ultralight, nitrogen-doped graphene framework. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11371-5	16.4	663
37	A rationally-designed synergetic polypyrrole/graphene bilayer actuator. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4015		62
36	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
35	Graphene quantum dots: an emerging material for energy-related applications and beyond. <i>Energy and Environmental Science</i> , 2012 , 5, 8869	35.4	698
34	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

33	Graphene microtubings: controlled fabrication and site-specific functionalization. <i>Nano Letters</i> , 2012 , 12, 5879-84	11.5	104
32	Three-dimensional graphene-polypyrrole hybrid electrochemical actuator. <i>Nanoscale</i> , 2012 , 4, 7563-8	7.7	79
31	Synthesis of CaCO ₃ /graphene composite crystals for ultra-strong structural materials. <i>RSC Advances</i> , 2012 , 2, 2154	3.7	37
30	Bioinspired Surfaces I: Gecko-Foot Mimetic Adhesion 2012 , 251-291		2
29	Multilevel, multicomponent microarchitectures of vertically-aligned carbon nanotubes for diverse applications. <i>ACS Nano</i> , 2011 , 5, 994-1002	16.7	37
28	Electrochemical deposition of polyaniline nanosheets mediated by sulfonated polyaniline functionalized graphenes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13978		50
27	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
26	Load-tolerant, highly strain-responsive graphene sheets. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2057		51
25	Tunable assembly of carbon nanospheres on single-walled carbon nanotubes. <i>Nanotechnology</i> , 2010 , 21, 305602	3.4	6
24	An asymmetrically surface-modified graphene film electrochemical actuator. <i>ACS Nano</i> , 2010 , 4, 6050-4	16.7	219
23	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
22	Controlled removal of individual carbon nanotubes from vertically aligned arrays for advanced nanoelectrodes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3595		7
21	Glucose oxidase electrodes based on microstructured polypyrrole films. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 2550-2554	2.9	28
20	Direct electrochemical generation of conducting polymer microcontainers on silicon substrate. <i>Polymer International</i> , 2004 , 53, 2125-2129	3.3	16
19	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
18	Electrochemical polymerization of Ehapthalene sulfonic acid. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 1939-1944	2.9	2
17	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
16	Crystalline oligopyrene nanowires with multicolored emission. <i>Chemical Communications</i> , 2004 , 2800-1	5.8	58

15	Electrochemical fabrication of polythiophene film coated metallic nanowire arrays. <i>Journal of Materials Science</i> , 2003 , 38, 2423-2427	4.3	23
14	Proton-conducting gel polyelectrolytes based on Lewis acid. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 1267-1272	2.9	4
13	Novel route to poly(p-phenylene vinylene) polymers. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 449-455.5	5.5	9
12	Fabrication of highly hydrophobic surfaces of conductive polythiophene. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2858		32
11	Electrochemical Growth of Polypyrrole Microcontainers. <i>Macromolecules</i> , 2003 , 36, 1063-1067	5.5	210
10	Electrochemical synthesis of novel polypyrrole microstructures. <i>Chemical Communications</i> , 2003 , 206-7	5.8	39
9	Graphene Materials for Miniaturized Energy Harvest and Storage Devices. <i>Small Structures</i> , 2100124	8.7	5
8	High-performance flexible and integratable MEG devices from sulfonated carbon solid acids containing strong Brønsted acid sites. <i>Journal of Materials Chemistry A</i> ,	13	2
7	Janus-interface engineering boosting solar steam towards high-efficiency water collection. <i>Energy and Environmental Science</i> ,	35.4	21
6	Conductive Writing with High Precision by Laser-Induced Point-to-Line Carbonization Strategy for Flexible Supercapacitors. <i>Advanced Optical Materials</i> , 2100793	8.1	2
5	An efficient and versatile biopolishing strategy to construct high performance zinc anode. <i>Nano Research</i> , 1	10	
4	Recent advances in highly integrated energy conversion and storage system. <i>SusMat</i> ,		5
3	The promising solar-powered water purification based on graphene functional architectures. <i>EcoMat</i> ,	9.4	1
2	Pure Aqueous Planar Microsupercapacitors with Ultrahigh Energy Density under Wide Temperature Ranges. <i>Advanced Functional Materials</i> , 2203270	15.6	1
1	Laser-Based Growth and Treatment of Graphene for Advanced Photo- and Electro-Related Device Applications. <i>Advanced Functional Materials</i> , 2203164	15.6	1