Hongwei Zhu

List of Publications by Year
in descending order

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273	24,638	7096 78	7745 150
papers	citations	h-index	g-index

275	275	275	27786
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced Microwave Absorption of Shape Anisotropic Fe₃O₄ Nanoflakes and Their Composites. Advanced Engineering Materials, 2022, 24, 2100790.	3.5	10
2	Mechanical sensors based on two-dimensional materials: Sensing mechanisms, structural designs and wearable applications. IScience, 2022, 25, 103728.	4.1	11
3	Spatial and Temporal Persistence of Fluorescent Lactiplantibacillus plantarum RS-09 in Intestinal Tract. Frontiers in Microbiology, 2022, 13, 843650.	3.5	3
4	Lactobacillus plantarum RS-09 Induces M1-Type Macrophage Immunity Against Salmonella Typhimurium Challenge via the TLR2/NF-ÎºB Signalling Pathway. Frontiers in Pharmacology, 2022, 13, 832245.	3.5	4
5	Complete b-symbol weight distribution of some irreducible cyclic codes. Designs, Codes, and Cryptography, 2022, 90, 1113-1125.	1.6	8
6	Recent Advances in New Materials for 6G Communications. Advanced Electronic Materials, 2022, 8, .	5.1	6
7	Whole genome analysis of a novel adenovirus discovered from Oriolus chinesis. Virus Research, 2022, 317, 198799.	2.2	2
8	Recent Advances of Graphene and Related Materials in Artificial Intelligence. Advanced Intelligent Systems, 2022, 4, .	6.1	8
9	Black Soldier Fly (Hermetia illucens) Larvae Significantly Change the Microbial Community in Chicken Manure. Current Microbiology, 2021, 78, 303-315.	2.2	27
10	Prevalence and antimicrobial resistance of Salmonella enterica subspecies enterica serovar Enteritidis isolated from broiler chickens in Shandong Province, China, 2013â€“2018. Poultry Science, 2021, 100, 1016-1023.	3.4	17
11	Recent progress in wearable tactile sensors combined with algorithms based on machine learning and signal processing. APL Materials, 2021, 9, .	5.1	8
12	Machine Learning for Transition-Metal-Based Hydrogen Generation Electrocatalysts. ACS Catalysis, 2021, 11, 3930-3937.	11.2	38
13	Research progress of surface-modified graphene-based materials for tribological applications. Materials Research Express, 2021, 8, 042002.	1.6	10
14	Out-of-plane and in-plane ferroelectricity of atom-thick two-dimensional InSe. Nanotechnology, 2021, 32, 385202.	2.6	15
15	Migration and Accumulation of Heavy Metals in a Chicken Manure-Compost-Soil-Apple System. Polish Journal of Environmental Studies, 2021, 30, 3877-3883.	1.2	5
16	Degeneration of Key Structural Components Resulting in Ageing of Supercapacitors and the Related Chemical Ageing Mechanism. ACS Applied Materials & Interfaces, 2021, 13, 39379-39393.	8.0	4
17	Nanocellulose-Graphene Derivative Hybrids: Advanced Structure-Based Functionality from Top-down Synthesis to Bottom-up Assembly. ACS Applied Bio Materials, 2021, 4, 7366-7401.	4.6	15
18	Controllable preparation and microwave absorption properties of shape anisotropic Fe3O4 nanobelts. Journal of Materiomics, 2021, 7, 957-966.	5.7	19

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19	Thermally Evaporated Agâ€“Au Bimetallic Catalysts for Efficient Electrochemical CO₂ Reduction. Particle and Particle Systems Characterization, 2021, 38, 2100148.	2.3	5
20	Molecular evolutionary analysis reveals Arctic-like rabies viruses evolved and dispersed independently in North and South Asia. Journal of Veterinary Science, 2021, 22, e5.	1.3	4
21	Enhanced Catalytic Mechanism of Twin-Structured BiVO₄. Journal of Physical Chemistry Letters, 2021, 12, 10610-10615.	4.6	4
22	Selfâ€supporting copperâ€based electrode by electrospinning for reduction of carbon dioxide to methane. Energy Technology, 2021, 9, 2100714.	3.8	3
23	Aerosol Concentrations and Fungal Communities Within Broiler Houses in Different Broiler Growth Stages in Summer. Frontiers in Veterinary Science, 2021, 8, 775502.	2.2	6
24	On self-dual and LCD double circulant and double negacirculant codes over Fq+uFq$mathbb {F}_{q}+umathbb {F}_{q}$. Cryptography and Communications, 2020, 12, 53-70.	1.4	25
25	Malignant catarrhal fever: An emerging yet neglected disease in captive sika deer (<i>Cervus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.6	3
26	Crossâ€Linked Double Network Graphene Oxide/Polymer Composites for Efficient Coagulationâ€Flocculation. Global Challenges, 2020, 4, 1900051.	3.6	8
27	Excellent stability of molecular catalyst/BiVO4 photoanode in borate buffer solution. Nano Energy, 2020, 70, 104487.	16.0	23
28	Transparent Electrothermal Film Defoggers and Antiicing Coatings based on Wrinkled Graphene. Small, 2020, 16, e1905945.	10.0	33
29	Morphologyâ€controlled Tantalum Diselenide Structures as Selfâ€optimizing Hydrogen Evolution Catalysts. Energy and Environmental Materials, 2020, 3, 12-18.	12.8	17
30	Selfâ€Regulating Crossâ€Linked Graphene Oxide Membranes with Stable Retention Properties over a Wide pH Range. Advanced Materials Interfaces, 2020, 7, 1901535.	3.7	15
31	Enhanced ionic photocurrent generation through a homogeneous graphene derivative composite membrane. Chemical Communications, 2020, 56, 9819-9822.	4.1	7
32	Macro van der Waals p-n heterojunction based on SnSe and SnSe₂. Nanotechnology, 2020, 31, 385203.	2.6	12
33	Sustained and Controlled Release of Volatile Precursors for Chemical Vapor Deposition of Graphene at Atmospheric Pressure. Chemistry - A European Journal, 2020, 26, 7463-7469.	3.3	4
34	Large area high-performance bismuth vanadate photoanode for efficient solar water splitting. Journal of Materials Chemistry A, 2020, 8, 3845-3850.	10.3	30
35	A programmable, gradient-composition strategy producing synergistic and ultrahigh sensitivity amplification for flexible pressure sensing. Nano Energy, 2020, 74, 104847.	16.0	25
36	Cationâ€“Ï€ Interactions in Grapheneâ€Containing Systems for Water Treatment and Beyond. Advanced Materials, 2020, 32, e1905756.	21.0	92

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37	High-quality textured SnSe thin films for self-powered, rapid-response photothermoelectric application. Nano Energy, 2020, 72, 104742.	16.0	58
38	PM2.5 in poultry houses synergizes with Pseudomonas aeruginosa to aggravate lung inflammation in mice through the NF-Î²B pathway. Journal of Veterinary Science, 2020, 21, e46.	1.3	15
39	How many weights can a linear code have?. Designs, Codes, and Cryptography, 2019, 87, 87-95.	1.6	8
40	A wrinkled graphene and ionic liquid based electric generator for the sea energy harvesting. 2D Materials, 2019, 6, 045040.	4.4	9
41	One-step synthesis of a hierarchical self-supported WS₂ film for efficient electrocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 22405-22411.	10.3	33
42	Ultimate Photo-Thermo-Acoustic Efficiency of Graphene Aerogels. Scientific Reports, 2019, 9, 13386.	3.3	11
43	Room-temperature out-of-plane and in-plane ferroelectricity of two-dimensional Î²-InSe nanoflakes. Applied Physics Letters, 2019, 114, .	3.3	40
44	Characterization and Complete Genome Analysis of the Carbazomycin B-Producing Strain Streptomyces luteoverticillatus SZJ61. Current Microbiology, 2019, 76, 982-987.	2.2	13
45	Extracellular Expression of L-Aspartate-Î±-Decarboxylase from Bacillus tequilensis and Its Application in the Biosynthesis of Î²-Alanine. Applied Biochemistry and Biotechnology, 2019, 189, 273-283.	2.9	20
46	Graphene Oxide Promoted Cadmium Uptake by Rice in Soil. ACS Sustainable Chemistry and Engineering, 2019, 7, 10283-10292.	6.7	29
47	High-Response Room-Temperature NO₂ Sensor and Ultrafast Humidity Sensor Based on SnO₂ with Rich Oxygen Vacancy. ACS Applied Materials & Interfaces, 2019, 11, 13441-13449.	8.0	108
48	Highly Stretchable, Adaptable, and Durable Strain Sensing Based on a Bioinspired Dynamically Crossâ€Linked Graphene/Polymer Composite. Small, 2019, 15, e1900848.	10.0	58
49	Physically Coating Nanofiltration Membranes with Graphene Oxide Quantum Dots for Simultaneously Improved Water Permeability and Salt/Dye Rejection. Advanced Materials Interfaces, 2019, 6, 1801742.	3.7	31
50	Highly Efficient NiFe Nanoparticle Decorated Si Photoanode for Photoelectrochemical Water Oxidation. Chemistry of Materials, 2019, 31, 171-178.	6.7	34
51	Formation of Uniform Water Microdroplets on Wrinkled Graphene for Ultrafast Humidity Sensing. Small, 2018, 14, e1703848.	10.0	109
52	A Bubbleâ€Derived Strategy to Prepare Multiple Grapheneâ€Based Porous Materials. Advanced Functional Materials, 2018, 28, 1705879.	14.9	85
53	Caprine herpesvirus 2-associated malignant catarrhal fever of captive sika deer (Cervus nippon) in an intensive management system. BMC Veterinary Research, 2018, 14, 38.	1.9	10
54	Efficient photoelectrochemical water oxidation enabled by an amorphous metal oxide-catalyzed graphene/silicon heterojunction photoanode. Sustainable Energy and Fuels, 2018, 2, 663-672.	4.9	25

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55	ON LINEAR COMPLEMENTARY DUAL FOUR CIRCULANTÂCODES. Bulletin of the Australian Mathematical Society, 2018, 98, 159-166.	0.5	4
56	Long-term electrical conductivity stability of graphene under uncontrolled ambient conditions. Carbon, 2018, 133, 410-415.	10.3	7
57	Direct growth of high crystallinity graphene from water-soluble polymer powders. 2D Materials, 2018, 5, 035001.	4.4	8
58	Analyses of Aerosol Concentrations and Bacterial Community Structures for Closed Cage Broiler Houses at Different Broiler Growth Stages in Winter. Journal of Food Protection, 2018, 81, 1557-1564.	1.7	13
59	Facile Fabrication of Unimpeded and Stable Graphene Oxide Coating on Reverse Osmosis Membrane for Dualâ€Functional Protection. ChemistrySelect, 2018, 3, 12122-12130.	1.5	2
60	On Self-Dual Four Circulant Codes. International Journal of Foundations of Computer Science, 2018, 29, 1143-1150.	1.1	7
61	Ultrasensitive and Stretchable Strain Sensors Based on Mazelike Vertical Graphene Network. ACS Applied Materials & Interfaces, 2018, 10, 36312-36322.	8.0	116
62	Twin Structure in BiVO₄ Photoanodes Boosting Water Oxidation Performance through Enhanced Charge Separation and Transport. Advanced Energy Materials, 2018, 8, 1802198.	19.5	61
63	Effect of Different Disinfectants on Bacterial Aerosol Diversity in Poultry Houses. Frontiers in Microbiology, 2018, 9, 2113.	3.5	33
64	Evidence of two genetically different lymphotropic herpesviruses present among red deer, sambar, and milu herds in China. Journal of Veterinary Science, 2018, 19, 716.	1.3	3
65	In situ electrodeposition of polypyrrole onto TaSe2 nanobelts quasi-arrays for high-capacitance supercapacitor. Nanoscale, 2018, 10, 17341-17346.	5.6	19
66	Synthetic Multifunctional Graphene Composites with Reshaping and Selfâ€Healing Features via a Facile Biomineralizationâ€Inspired Process. Advanced Materials, 2018, 30, e1803004.	21.0	55
67	Engineering graphene and TMDs based van der Waals heterostructures for photovoltaic and photoelectrochemical solar energy conversion. Chemical Society Reviews, 2018, 47, 4981-5037.	38.1	344
68	Strong Adhesion of Graphene Oxide Coating on Polymer Separation Membranes. Langmuir, 2018, 34, 10569-10579.	3.5	26
69	Water-driven actuation of Ornithoctonus huwena spider silk fibers. Applied Physics Letters, 2017, 110, .	3.3	8
70	Recent advances in wearable tactile sensors: Materials, sensing mechanisms, and device performance. Materials Science and Engineering Reports, 2017, 115, 1-37.	31.8	557
71	Poly (ethylene imine)-modulated transport behaviors of graphene field effect transistors with double Dirac points. Journal of Applied Physics, 2017, 121, .	2.5	10
72	Temperature-dependent transport and hysteretic behaviors induced by interfacial states in MoS₂ field-effect transistors with lead-zirconate-titanate ferroelectric gating. Nanotechnology, 2017, 28, 045204.	2.6	20

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73	Simultaneous High Sensitivity Sensing of Temperature and Humidity with Graphene Woven Fabrics. ACS Applied Materials & Interfaces, 2017, 9, 30171-30176.	8.0	122
74	Scalable Low-Band-Gap Sb₂Se₃ Thin-Film Photocathodes for Efficient Visibleâ€“Near-Infrared Solar Hydrogen Evolution. ACS Nano, 2017, 11, 12753-12763.	14.6	127
75	Graphene oxide-embedded polyamide nanofiltration membranes for selective ion separation. Journal of Materials Chemistry A, 2017, 5, 25632-25640.	10.3	88
76	A Wearable and Highly Sensitive Graphene Strain Sensor for Precise Home-Based Pulse Wave Monitoring. ACS Sensors, 2017, 2, 967-974.	7.8	260
77	Sponge-like nickel phosphideâ€“carbon nanotube hybrid electrodes for efficient hydrogen evolution over a wide pH range. Nano Research, 2017, 10, 415-425.	10.4	73
78	High Detectivity Grapheneâ€Silicon Heterojunction Photodetector. Small, 2016, 12, 595-601.	10.0	370
79	Graphene Reinforced Carbon Nanotube Networks for Wearable Strain Sensors. Advanced Functional Materials, 2016, 26, 2078-2084.	14.9	328
80	Schottky diode characteristics and 1/f noise of high sensitivity reduced graphene oxide/Si heterojunction photodetector. Journal of Applied Physics, 2016, 119, 124303.	2.5	18
81	Photo-Promoted Platinum Nanoparticles Decorated MoS₂@Graphene Woven Fabric Catalyst for Efficient Hydrogen Generation. ACS Applied Materials & Interfaces, 2016, 8, 10866-10873.	8.0	72
82	Highly selective charge-guided ion transport through a hybrid membrane consisting of anionic graphene oxide and cationic hydroxide nanosheet superlattice units. NPG Asia Materials, 2016, 8, e259-e259.	7.9	56
83	Foldable and electrically stable graphene film resistors prepared by vacuum filtration for flexible electronics. Surface and Coatings Technology, 2016, 299, 22-28.	4.8	25
84	Hydroxyapatite/Mesoporous Graphene/Singleâ€Walled Carbon Nanotubes Freestanding Flexible Hybrid Membranes for Regenerative Medicine. Advanced Functional Materials, 2016, 26, 7965-7974.	14.9	37
85	A Flexible Platform Containing Graphene Mesoporous Structure and Carbon Nanotube for Hydrogen Evolution. Advanced Science, 2016, 3, 1600208.	11.2	19
86	Cobalt and nickel selenide nanowalls anchored on graphene as bifunctional electrocatalysts for overall water splitting. Journal of Materials Chemistry A, 2016, 4, 14789-14795.	10.3	150
87	Solution-processed CuSbS2 thin film: A promising earth-abundant photocathode for efficient visible-light-driven hydrogen evolution. Nano Energy, 2016, 28, 135-142.	16.0	70
88	Highly Sensitive, Wearable, Durable Strain Sensors and Stretchable Conductors Using Graphene/Silicon Rubber Composites. Advanced Functional Materials, 2016, 26, 7614-7625.	14.9	339
89	Intrinsic high water/ion selectivity of graphene oxide lamellar membranes in concentration gradient-driven diffusion. Chemical Science, 2016, 7, 6988-6994.	7.4	66
90	Three-dimensional Sponges with Super Mechanical Stability: Harnessing True Elasticity of Individual Carbon Nanotubes in Macroscopic Architectures. Scientific Reports, 2016, 6, 18930.	3.3	56

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91	Hybrid Tunnel Junctionâ€“Graphene Transparent Conductive Electrodes for Nitride Lateral Light Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 1176-1183.	8.0	13
92	Reverse osmosis desalination of chitosan cross-linked graphene oxide/titania hybrid lamellar membranes. Nanotechnology, 2016, 27, 274002.	2.6	14
93	Largeâ€Area Ultrathin Graphene Films by Singleâ€Step Marangoni Selfâ€Assembly for Highly Sensitive Strain Sensing Application. Advanced Functional Materials, 2016, 26, 1322-1329.	14.9	326
94	Recent Developments in Grapheneâ€Based Membranes: Structure, Massâ€Transport Mechanism and Potential Applications. Advanced Materials, 2016, 28, 2287-2310.	21.0	540
95	Spindle-like hierarchical carbon structure grown from polyhydroxyalkanoate/ferrocene/chloroform precursor. Carbon, 2016, 103, 346-351.	10.3	5
96	Structural engineering of gold thin films with channel cracks for ultrasensitive strain sensing. Materials Horizons, 2016, 3, 248-255.	12.2	249
97	NO₂-induced performance enhancement of PEDOT:PSS/Si hybrid solar cells with a high efficiency of 13.44%. Physical Chemistry Chemical Physics, 2016, 18, 7184-7189.	2.8	11
98	Self-deposition of Pt nanoparticles on graphene woven fabrics for enhanced hybrid Schottky junctions and photoelectrochemical solar cells. Physical Chemistry Chemical Physics, 2016, 18, 1992-1997.	2.8	19
99	Precise Control of the Number of Layers of Graphene by Picosecond Laser Thinning. Scientific Reports, 2015, 5, 11662.	3.3	91
100	Galvanism of continuous ionic liquid flow over graphene grids. Applied Physics Letters, 2015, 107, .	3.3	32
101	Carbon/Silicon Heterojunction Solar Cells: State of the Art and Prospects. Advanced Materials, 2015, 27, 6549-6574.	21.0	159
102	Dynamically stretchable supercapacitors based on graphene woven fabric electrodes. Nano Energy, 2015, 15, 83-91.	16.0	84
103	Bio-inspired mechanics of highly sensitive stretchable graphene strain sensors. Applied Physics Letters, 2015, 106, .	3.3	33
104	Flow-induced voltage generation in graphene network. Nano Research, 2015, 8, 2467-2473.	10.4	28
105	All carbon coaxial supercapacitors based on hollow carbon nanotube sleeve structure. Nanotechnology, 2015, 26, 045401.	2.6	14
106	Role of Interfacial Oxide in High-Efficiency Grapheneâ€“Silicon Schottky Barrier Solar Cells. Nano Letters, 2015, 15, 2104-2110.	9.1	404
107	Characterization of a virulent dog-originated rabies virus affecting more than twenty fallow deer (Dama dama) in Inner Mongolia, China. Infection, Genetics and Evolution, 2015, 31, 127-134.	2.3	19
108	Ultra-sensitive graphene strain sensor for sound signal acquisition and recognition. Nano Research, 2015, 8, 1627-1636.	10.4	149

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109	Ultrafast liquid water transport through graphene-based nanochannels measured by isotope labelling. Chemical Communications, 2015, 51, 3251-3254.	4.1	74
110	Highly efficient quasi-static water desalination using monolayer graphene oxide/titania hybrid laminates. NPG Asia Materials, 2015, 7, e162-e162.	7.9	94
111	Protecting carbon steel from corrosion by laser in situ grown graphene films. Carbon, 2015, 94, 326-334.	10.3	76
112	Graphene/polyaniline woven fabric composite films as flexible supercapacitor electrodes. Nanoscale, 2015, 7, 7318-7322.	5.6	175
113	TiO₂ enhanced ultraviolet detection based on a graphene/Si Schottky diode. Journal of Materials Chemistry A, 2015, 3, 8133-8138.	10.3	46
114	Tactile Sensing System Based on Arrays of Graphene Woven Microfabrics: Electromechanical Behavior and Electronic Skin Application. ACS Nano, 2015, 9, 10867-10875.	14.6	258
115	Reduced graphene oxide/hierarchical flower-like zinc oxide hybrid films for room temperature formaldehyde detection. Sensors and Actuators B: Chemical, 2015, 221, 1290-1298.	7.8	67
116	Cellulose-Templated Graphene Monoliths with Anisotropic Mechanical, Thermal, and Electrical Properties. ACS Applied Materials & Interfaces, 2015, 7, 19145-19152.	8.0	37
117	Anti-reflection graphene coating on metal surface. Surface and Coatings Technology, 2015, 261, 327-330.	4.8	17
118	Structure Evolution of Graphene Oxide during Thermally Driven Phase Transformation: Is the Oxygen Content Really Preserved?. PLoS ONE, 2014, 9, e111908.	2.5	29
119	Thermal conductivity of silicene nanosheets and the effect of isotopic doping. Journal Physics D: Applied Physics, 2014, 47, 165301.	2.8	54
120	Enhanced performance of PEDOT:PSS/n-Si hybrid solar cell by HNO3treatment. Applied Physics Express, 2014, 7, 031603.	2.4	9
121	Electricity generation and local ion ordering induced by cation-controlled selective anion transportation through graphene oxide membranes. 2D Materials, 2014, 1, 034004.	4.4	4
122	Torsion sensors of high sensitivity and wide dynamic range based on a graphene woven structure. Nanoscale, 2014, 6, 13053-13059.	5.6	48
123	Selective Trans-Membrane Transport of Alkali and Alkaline Earth Cations through Graphene Oxide Membranes Based on Cationâ^'Ï€ Interactions. ACS Nano, 2014, 8, 850-859.	14.6	333
124	Carbon nanotube-polypyrrole core-shell sponge and its application as highly compressible supercapacitor electrode. Nano Research, 2014, 7, 209-218.	10.4	115
125	Vertical junction photodetectors based on reduced graphene oxide/silicon Schottky diodes. Nanoscale, 2014, 6, 4909-4914.	5.6	104
126	Core-Double-Shell, Carbon Nanotube@Polypyrrole@MnO₂ Sponge as Freestanding, Compressible Supercapacitor Electrode. ACS Applied Materials & Interfaces, 2014, 6, 5228-5234.	8.0	298

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127	Wearable and Highly Sensitive Graphene Strain Sensors for Human Motion Monitoring. Advanced Functional Materials, 2014, 24, 4666-4670.	14.9	923
128	Hybrid Heterojunction and Solidâ€€State Photoelectrochemical Solar Cells. Advanced Energy Materials, 2014, 4, 1400224.	19.5	43
129	Amorphous Nitrogen Doped Carbon Films: A Novel Corrosion Resistant Coating Material. Advanced Engineering Materials, 2014, 16, 532-538.	3.5	13
130	Magnetic transitions in graphene derivatives. Nano Research, 2014, 7, 1507-1518.	10.4	39
131	Effective recovery of acids from iron-based electrolytes using graphene oxide membrane filters. Journal of Materials Chemistry A, 2014, 2, 7734-7737.	10.3	39
132	Selective Ion Transport through Functionalized Graphene Membranes Based on Delicate Ionâ€“Graphene Interactions. Journal of Physical Chemistry C, 2014, 118, 19396-19401.	3.1	41
133	Temperature and gate voltage dependent electrical properties of graphene field-effect transistors. Carbon, 2014, 78, 250-256.	10.3	20
134	Effect of different gel electrolytes on graphene-based solid-state supercapacitors. RSC Advances, 2014, 4, 36253-36256.	3.6	163
135	Three-dimensional porous graphene sponges assembled with the combination of surfactant and freeze-drying. Nano Research, 2014, 7, 1477-1487.	10.4	111
136	Correlation between nanoparticle location and graphene nucleation in chemical vapour deposition of graphene. Journal of Materials Chemistry A, 2014, 2, 13123-13128.	10.3	16
137	Interconnected graphene/polymer micro-tube piping composites for liquid sensing. Nano Research, 2014, 7, 869-876.	10.4	21
138	Broadband Graphene Saturable Absorber for Pulsed Fiber Lasers at 1, 1.5, and 2 Î¼m. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 411-415.	2.9	133
139	In Situ Fabrication of Bendable Microscale Hexagonal Pyramids Array Vertical Light Emitting Diodes with Graphene as Stretchable Electrical Interconnects. ACS Photonics, 2014, 1, 421-429.	6.6	26
140	Mechanotunable monatomic metal structures at graphene edges. Physical Chemistry Chemical Physics, 2014, 16, 10295.	2.8	3
141	Graphene synthesis by laser-assisted chemical vapor deposition on Ni plate and the effect of process parameters on uniform graphene growth. Thin Solid Films, 2014, 556, 206-210.	1.8	21
142	Highly Flexible and Adaptable, Allâ€€Solidâ€€State Supercapacitors Based on Graphene Wovenâ€Fabric Film Electrodes. Small, 2014, 10, 2583-2588.	10.0	85
143	Tunable transport characteristics of p-type graphene field-effect transistors by poly(ethylene imine) overlayer. Carbon, 2014, 77, 424-430.	10.3	6
144	Interfacial shear strength of reduced graphene oxide polymer composites. Carbon, 2014, 77, 390-397.	10.3	40

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145	Realizing Synchronous Energy Harvesting and Ion Separation with Graphene Oxide Membranes. Scientific Reports, 2014, 4, 5528.	3.3	37
146	Electro- and Magneto-Modulated Ion Transport through Graphene Oxide Membranes. Scientific Reports, 2014, 4, 6798.	3.3	37
147	Thinning of large-area graphene film from multilayer to bilayer with a low-power CO₂laser. Nanotechnology, 2013, 24, 275302.	2.6	23
148	Carbon nanotube sponges as conductive networks for supercapacitor devices. Nano Energy, 2013, 2, 1025-1030.	16.0	61
149	Ultra-fast synthesis of graphene by melt spinning. Carbon, 2013, 61, 299-304.	10.3	2
150	Highly deformation-tolerant carbon nanotube sponges as supercapacitor electrodes. Nanoscale, 2013, 5, 8472.	5.6	101
151	Flexible all solid-state supercapacitors based on chemical vapor deposition derived graphene fibers. Physical Chemistry Chemical Physics, 2013, 15, 17752.	2.8	156
152	The fabrication of GaN-based nanorod light-emitting diodes with multilayer graphene transparent electrodes. Journal of Applied Physics, 2013, 113, 234302.	2.5	10
153	Small Temperature Coefficient of Resistivity of Graphene/Graphene Oxide Hybrid Membranes. ACS Applied Materials & Interfaces, 2013, 5, 9563-9571.	8.0	62
154	Discrete breathers in hydrogenated graphene. Journal Physics D: Applied Physics, 2013, 46, 305302.	2.8	56
155	Pyramid Array InGaN/GaN Coreâ€“Shell Light Emitting Diodes with Homogeneous Multilayer Graphene Electrodes. Applied Physics Express, 2013, 6, 072102.	2.4	16
156	Suppression of the coffee-ring effect by self-assembling graphene oxide and monolayer titania. Nanotechnology, 2013, 24, 075601.	2.6	32
157	Boosting supercapacitor performance of carbon fibres using electrochemically reduced graphene oxide additives. Physical Chemistry Chemical Physics, 2013, 15, 19550.	2.8	73
158	Graphene/semiconductor heterojunction solar cells with modulated antireflection and graphene work function. Energy and Environmental Science, 2013, 6, 108-115.	30.8	154
159	Ion doping of graphene for high-efficiency heterojunction solar cells. Nanoscale, 2013, 5, 1945.	5.6	136
160	Largeâ€Area Flexible Coreâ€“Shell Graphene/Porous Carbon Woven Fabric Films for Fiber Supercapacitor Electrodes. Advanced Functional Materials, 2013, 23, 4862-4869.	14.9	62
161	Colloidal Antireflection Coating Improves Grapheneâ€“Silicon Solar Cells. Nano Letters, 2013, 13, 1776-1781.	9.1	303
162	Anomalous Behaviors of Graphene Transparent Conductors in Grapheneâ€“Silicon Heterojunction Solar Cells. Advanced Energy Materials, 2013, 3, 1029-1034.	19.5	102

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163	Flexible graphene woven fabrics for touch sensing. Applied Physics Letters, 2013, 102, .	3.3	45
164	Selective Ion Penetration of Graphene Oxide Membranes. ACS Nano, 2013, 7, 428-437.	14.6	635
165	Widely Spaced Bound States in a Soliton Fiber Laser With Graphene Saturable Absorber. IEEE Photonics Technology Letters, 2013, 25, 1184-1187.	2.5	49
166	Improved transport properties of graphene/GaN junctions in GaN-based vertical light emitting diodes by acid doping. RSC Advances, 2013, 3, 3359.	3.6	25
167	Lap joining of graphene flakes by current-assisted CO2 laser irradiation. Carbon, 2013, 61, 329-335.	10.3	15
168	Direct Synthesis of Graphene Quantum Dots by Chemical Vapor Deposition. Particle and Particle Systems Characterization, 2013, 30, 764-769.	2.3	69
169	Passive harmonic mode locking in erbium-doped fiber laser with graphene saturable absorber. Optics Communications, 2013, 286, 304-308.	2.1	32
170	Highly Twisted Double-Helix Carbon Nanotube Yarns. ACS Nano, 2013, 7, 1446-1453.	14.6	88
171	InGaN-based vertical light-emitting diodes with acid-modified graphene transparent conductor and highly reflective membrane current blocking layer. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20120652.	2.1	9
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