

# Peng Chen

## List of Publications by Citations

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

250  
papers

27,940  
citations

84  
h-index

163  
g-index

261  
ext. papers

31,456  
ext. citations

10.3  
avg, IF

7.41  
L-index

#	Paper	IF	Citations
250	Glowing graphene quantum dots and carbon dots: properties, syntheses, and biological applications. <i>Small</i> , <b>2015</b> , 11, 1620-36	11	1415
249	Biological and chemical sensors based on graphene materials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 2283-3075	38.7	1384
248	3D graphene-cobalt oxide electrode for high-performance supercapacitor and enzymeless glucose detection. <i>ACS Nano</i> , <b>2012</b> , 6, 3206-13	16.7	1371
247	Heteroatom-doped graphene materials: syntheses, properties and applications. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 7067-98	58.5	1258
246	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 10842-10846	3.8	650
245	Centimeter-long and large-scale micropatterns of reduced graphene oxide films: fabrication and sensing applications. <i>ACS Nano</i> , <b>2010</b> , 4, 3201-8	16.7	529
244	Doping single-layer graphene with aromatic molecules. <i>Small</i> , <b>2009</b> , 5, 1422-6	11	499
243	Macroporous and monolithic anode based on polyaniline hybridized three-dimensional graphene for high-performance microbial fuel cells. <i>ACS Nano</i> , <b>2012</b> , 6, 2394-400	16.7	469
242	Electrical detection of DNA hybridization with single-base specificity using transistors based on CVD-grown graphene sheets. <i>Advanced Materials</i> , <b>2010</b> , 22, 1649-53	24	450
241	Superhydrophobic and superoleophilic hybrid foam of graphene and carbon nanotube for selective removal of oils or organic solvents from the surface of water. <i>Chemical Communications</i> , <b>2012</b> , 48, 10660-2	5.8	436
240	One-Pot Synthesis of Carbon-Coated SnO <sub>2</sub> Nanocolloids with Improved Reversible Lithium Storage Properties. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2868-2874	9.6	406
239	Solution-processable 2D semiconductors for high-performance large-area electronics. <i>Nature</i> , <b>2018</b> , 562, 254-258	50.4	404
238	Revealing the tunable photoluminescence properties of graphene quantum dots. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 6954-6960	7.1	398
237	Facile Synthesis of Graphene Quantum Dots from 3D Graphene and their Application for Fe <sup>3+</sup> Sensing. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3021-3026	15.6	377
236	Nanoelectronic biosensors based on CVD grown graphene. <i>Nanoscale</i> , <b>2010</b> , 2, 1485-8	7.7	354
235	Atomic Layer Deposition to Fine-Tune the Surface Properties and Diameters of Fabricated Nanopores. <i>Nano Letters</i> , <b>2004</b> , 4, 1333-1337	11.5	352
234	Recent Advances on Graphene Quantum Dots: From Chemistry and Physics to Applications. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808283	24	343

233	Surface Modified TiC MXene Nanosheets for Tumor Targeting Photothermal/Photodynamic/Chemo Synergistic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 40077-40086	9.5	329
232	Quantum dots derived from two-dimensional materials and their applications for catalysis and energy. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 2239-62	58.5	311
231	Hybrid fibers made of molybdenum disulfide, reduced graphene oxide, and multi-walled carbon nanotubes for solid-state, flexible, asymmetric supercapacitors. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 4651-6	16.4	310
230	PROBING SINGLE DNA MOLECULE TRANSPORT USING FABRICATED NANOPORES. <i>Nano Letters</i> , <b>2004</b> , 4, 2293-2298	11.5	300
229	Graphene-based biosensors for detection of bacteria and their metabolic activities. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 12358		294
228	Transparent, flexible, all-reduced graphene oxide thin film transistors. <i>ACS Nano</i> , <b>2011</b> , 5, 5038-44	16.7	284
227	Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , <b>2015</b> , 10, 213-239	17.9	283
226	Interfacing live cells with nanocarbon substrates. <i>Langmuir</i> , <b>2010</b> , 26, 2244-7	4	271
225	3D graphene foam as a monolithic and macroporous carbon electrode for electrochemical sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 3129-33	9.5	264
224	Ultralong Phosphorescence of Water-Soluble Organic Nanoparticles for In Vivo Afterglow Imaging. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606665	24	259
223	Hybrid structure of zinc oxide nanorods and three dimensional graphene foam for supercapacitor and electrochemical sensor applications. <i>RSC Advances</i> , <b>2012</b> , 2, 4364	3.7	253
222	Electrical detection of metal ions using field-effect transistors based on micropatterned reduced graphene oxide films. <i>ACS Nano</i> , <b>2011</b> , 5, 1990-4	16.7	251
221	Oxygenic Hybrid Semiconducting Nanoparticles for Enhanced Photodynamic Therapy. <i>Nano Letters</i> , <b>2018</b> , 18, 586-594	11.5	234
220	Systematic Bandgap Engineering of Graphene Quantum Dots and Applications for Photocatalytic Water Splitting and CO Reduction. <i>ACS Nano</i> , <b>2018</b> , 12, 3523-3532	16.7	222
219	Graphene-wrapped TiO <sub>2</sub> hollow structures with enhanced lithium storage capabilities. <i>Nanoscale</i> , <b>2011</b> , 3, 2158-61	7.7	218
218	Symmetry breaking of graphene monolayers by molecular decoration. <i>Physical Review Letters</i> , <b>2009</b> , 102, 135501	7.4	213
217	Graphene quantum dots as universal fluorophores and their use in revealing regulated trafficking of insulin receptors in adipocytes. <i>ACS Nano</i> , <b>2013</b> , 7, 6278-86	16.7	204
216	Boosting the Photocatalytic Ability of Cu <sub>2</sub> O Nanowires for CO <sub>2</sub> Conversion by MXene Quantum Dots. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806500	15.6	204

215	Regulating Near-Infrared Photodynamic Properties of Semiconducting Polymer Nanotheranostics for Optimized Cancer Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 8998-9009	16.7	199
214	Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604764	24	194
213	Electrodeposited Pt on three-dimensional interconnected graphene as a free-standing electrode for fuel cell application. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 5286		189
212	Recent progress in the development of near-infrared organic photothermal and photodynamic nanotherapeutics. <i>Biomaterials Science</i> , <b>2018</b> , 6, 746-765	7.4	187
211	Metal-organic framework derived CoSe <sub>2</sub> nanoparticles anchored on carbon fibers as bifunctional electrocatalysts for efficient overall water splitting. <i>Nano Research</i> , <b>2016</b> , 9, 2234-2243	10	185
210	Synthesis of a MnO <sub>2</sub> -graphene foam hybrid with controlled MnO <sub>2</sub> particle shape and its use as a supercapacitor electrode. <i>Carbon</i> , <b>2012</b> , 50, 4865-4870	10.4	184
209	Synthesis of graphene-carbon nanotube hybrid foam and its use as a novel three-dimensional electrode for electrochemical sensing. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17044		181
208	Functionalization of Biodegradable PLA Nonwoven Fabric as Superoleophilic and Superhydrophobic Material for Efficient Oil Absorption and Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5968-5973	9.5	180
207	Label-free, electrochemical detection of methicillin-resistant <i>Staphylococcus aureus</i> DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 3881-6	11.8	180
206	A Swellable Microneedle Patch to Rapidly Extract Skin Interstitial Fluid for Timely Metabolic Analysis. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702243	24	172
205	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. <i>Nanoscale</i> , <b>2012</b> , 4, 293-7	7.7	164
204	One-step growth of graphene-carbon nanotube hybrid materials by chemical vapor deposition. <i>Carbon</i> , <b>2011</b> , 49, 2944-2949	10.4	162
203	Organic Dye Based Nanoparticles for Cancer Phototheranostics. <i>Small</i> , <b>2018</b> , 14, e1704247	11	160
202	Graphene quantum dots functionalized gold nanoparticles for sensitive electrochemical detection of heavy metal ions. <i>Electrochimica Acta</i> , <b>2015</b> , 172, 7-11	6.7	160
201	Effective doping of single-layer graphene from underlying SiO <sub>2</sub> substrates. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	160
200	MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8483-8488	13	155
199	Ultra-large single-layer graphene obtained from solution chemical reduction and its electrical properties. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 2164-9	3.6	155
198	Mo C-Derived Polyoxometalate for NIR-II Photoacoustic Imaging-Guided Chemodynamic/Photothermal Synergistic Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18641-18646	16.4	153

197	Free-standing electrochemical electrode based on Ni(OH) <sub>2</sub> /3D graphene foam for nonenzymatic glucose detection. <i>Nanoscale</i> , <b>2014</b> , 6, 7424-9	7.7	152
196	Nitrogen and phosphorus co-doped graphene quantum dots: synthesis from adenosine triphosphate, optical properties, and cellular imaging. <i>Nanoscale</i> , <b>2015</b> , 7, 8159-65	7.7	149
195	RGD-peptide functionalized graphene biomimetic live-cell sensor for real-time detection of nitric oxide molecules. <i>ACS Nano</i> , <b>2012</b> , 6, 6944-51	16.7	149
194	Layer-by-layer printing of laminated graphene-based interdigitated microelectrodes for flexible planar micro-supercapacitors. <i>Electrochemistry Communications</i> , <b>2015</b> , 51, 33-36	5.1	147
193	Using oxidation to increase the electrical conductivity of carbon nanotube electrodes. <i>Carbon</i> , <b>2009</b> , 47, 1867-1870	10.4	147
192	pH-Triggered and Enhanced Simultaneous Photodynamic and Photothermal Therapy Guided by Photoacoustic and Photothermal Imaging. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 5216-5224	9.6	145
191	A graphene-cobalt oxide based needle electrode for non-enzymatic glucose detection in micro-droplets. <i>Chemical Communications</i> , <b>2012</b> , 48, 6490-2	5.8	145
190	De Novo Reconstruction of Adipose Tissue Transcriptomes Reveals Long Non-coding RNA Regulators of Brown Adipocyte Development. <i>Cell Metabolism</i> , <b>2015</b> , 21, 764-776	24.6	136
189	Growth of large-sized graphene thin-films by liquid precursor-based chemical vapor deposition under atmospheric pressure. <i>Carbon</i> , <b>2011</b> , 49, 3672-3678	10.4	135
188	Interfacing glycosylated carbon-nanotube-network devices with living cells to detect dynamic secretion of biomolecules. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2723-6	16.4	134
187	Memory devices using a mixture of MoS <sub>2</sub> and graphene oxide as the active layer. <i>Small</i> , <b>2013</b> , 9, 727-31	11	130
186	Self-implantable double-layered micro-drug-reservoirs for efficient and controlled ocular drug delivery. <i>Nature Communications</i> , <b>2018</b> , 9, 4433	17.4	127
185	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. <i>ACS Nano</i> , <b>2016</b> , 10, 3622-9	16.7	124
184	Rare-Earth Single-Atom La-N Charge-Transfer Bridge on Carbon Nitride for Highly Efficient and Selective Photocatalytic CO Reduction. <i>ACS Nano</i> , <b>2020</b> , 14, 15841-15852	16.7	123
183	Three-dimensional graphene-carbon nanotube hybrid for high-performance enzymatic biofuel cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3387-93	9.5	123
182	A hierarchically structured composite of MnO <sub>2</sub> /3D graphene foam for flexible nonenzymatic biosensors. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 110-115	7.3	123
181	Quantum dots with phenylboronic acid tags for specific labeling of sialic acids on living cells. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1124-30	7.8	121
180	The formation of a carbon nanotube-graphene oxide core-shell structure and its possible applications. <i>Carbon</i> , <b>2011</b> , 49, 5071-5078	10.4	118

179	Supercapacitor electrode based on three-dimensional graphene-polyaniline hybrid. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 134, 576-580	4.4	116
178	Spatiotemporal catalytic dynamics within single nanocatalysts revealed by single-molecule microscopy. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 1107-17	58.5	110
177	Graphene quantum dot engineered nickel-cobalt phosphide as highly efficient bifunctional catalyst for overall water splitting. <i>Nano Energy</i> , <b>2018</b> , 48, 284-291	17.1	103
176	Non-enzymatic detection of hydrogen peroxide using a functionalized three-dimensional graphene electrode. <i>Electrochemistry Communications</i> , <b>2013</b> , 26, 81-84	5.1	100
175	Multilayered semiconducting polymer nanoparticles with enhanced NIR fluorescence for molecular imaging in cells, zebrafish and mice. <i>Chemical Science</i> , <b>2016</b> , 7, 5118-5125	9.4	97
174	Atomically Dispersed Cobalt Trifunctional Electrocatalysts with Tailored Coordination Environment for Flexible Rechargeable Zn/Air Battery and Self-Driven Water Splitting. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2002896	21.8	95
173	Ferritin-templated synthesis and self-assembly of Pt nanoparticles on a monolithic porous graphene network for electrocatalysis in fuel cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 782-795	9.5	90
172	CMOS-Compatible nanowire sensor arrays for detection of cellular bioelectricity. <i>Small</i> , <b>2009</b> , 5, 208-12	11	88
171	Phase-controlled synthesis of NiS nanoparticles confined in carbon nanorods for high performance supercapacitors. <i>Scientific Reports</i> , <b>2014</b> , 4, 7054	4.9	86
170	Comparison of biochemical effects of statins and fish oil in brain: the battle of the titans. <i>Brain Research Reviews</i> , <b>2007</b> , 56, 443-71		86
169	Hybrid Fibers Made of Molybdenum Disulfide, Reduced Graphene Oxide, and Multi-Walled Carbon Nanotubes for Solid-State, Flexible, Asymmetric Supercapacitors. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 4734-4739	26	85
168	Smartphone spectrometer for colorimetric biosensing. <i>Analyst, The</i> , <b>2016</b> , 141, 3233-8	5	85
167	Peptide-assembled graphene oxide as a fluorescent turn-on sensor for lipopolysaccharide (endotoxin) detection. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9408-12	7.8	84
166	Achieving stable and efficient water oxidation by incorporating NiFe layered double hydroxide nanoparticles into aligned carbon nanotubes. <i>Nanoscale Horizons</i> , <b>2016</b> , 1, 156-160	10.8	84
165	Nanochannel-Confined Graphene Quantum Dots for Ultrasensitive Electrochemical Analysis of Complex Samples. <i>ACS Nano</i> , <b>2018</b> , 12, 12673-12681	16.7	84
164	High capacitive performance of flexible and binder-free graphene-polypyrrole composite membrane based on in situ reduction of graphene oxide and self-assembly. <i>Nanoscale</i> , <b>2013</b> , 5, 9860-6	7.7	82
163	An aza-BODIPY photosensitizer for photoacoustic and photothermal imaging guided dual modal cancer phototherapy. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 1566-1573	7.3	81
162	Facile and scalable preparation of highly luminescent N,S co-doped graphene quantum dots and their application for parallel detection of multiple metal ions. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 6593-6600	7.3	78

161	Carbohydrate functionalized carbon nanotubes and their applications. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 2925-34	58.5	78
160	Solid-phase colorimetric sensor based on gold nanoparticle-loaded polymer brushes: lead detection as a case study. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 4094-9	7.8	77
159	Amperometric detection of quantal catecholamine secretion from individual cells on micromachined silicon chips. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 518-24	7.8	77
158	A highly Ca <sup>2+</sup> -sensitive pool of vesicles is regulated by protein kinase C in adrenal chromaffin cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 17060-5	11.5	76
157	Photothermal-pH-hypoxia responsive multifunctional nanoplatform for cancer photo-chemo therapy with negligible skin phototoxicity. <i>Biomaterials</i> , <b>2019</b> , 221, 119422	15.6	75
156	In Situ Synthesis of Reduced Graphene Oxide and Gold Nanocomposites for Nanoelectronics and Biosensing. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 60	5	74
155	Roles of cholesterol in vesicle fusion and motion. <i>Biophysical Journal</i> , <b>2009</b> , 97, 1371-80	2.9	73
154	A graphene nanoribbon network and its biosensing application. <i>Nanoscale</i> , <b>2011</b> , 3, 5156-60	7.7	72
153	Apelin inhibits adipogenesis and lipolysis through distinct molecular pathways. <i>Molecular and Cellular Endocrinology</i> , <b>2012</b> , 362, 227-41	4.4	71
152	Apelin attenuates oxidative stress in human adipocytes. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 3763-74	5.4	70
151	Increase of riboflavin biosynthesis underlies enhancement of extracellular electron transfer of <i>Shewanella</i> in alkaline microbial fuel cells. <i>Bioresource Technology</i> , <b>2013</b> , 130, 763-8	11	69
150	Insight into the charge transport correlation in Aux clusters and graphene quantum dots deposited on TiO <sub>2</sub> nanotubes for photoelectrochemical oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 11154-11162	13	69
149	Wax-Sealed Theranostic Nanoplatform for Enhanced Afterglow Imaging-Guided Photothermally Triggered Photodynamic Therapy. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804317	15.6	68
148	Nanowires assembled from MnCo <sub>2</sub> O <sub>4</sub> @C nanoparticles for water splitting and all-solid-state supercapacitor. <i>Nano Research</i> , <b>2016</b> , 9, 1300-1309	10	67
147	A graphene quantum dot-based FRET system for nuclear-targeted and real-time monitoring of drug delivery. <i>Nanoscale</i> , <b>2015</b> , 7, 15477-86	7.7	66
146	A Highly-Efficient Type I Photosensitizer with Robust Vascular-Disruption Activity for Hypoxic-and-Metastatic Tumor Specific Photodynamic Therapy. <i>Small</i> , <b>2020</b> , 16, e2001059	11	66
145	Comparative studies on single-layer reduced graphene oxide films obtained by electrochemical reduction and hydrazine vapor reduction. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 161	5	66
144	The electrical detection of lead ions using gold-nanoparticle- and DNAzyme-functionalized graphene device. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 271-4	10.1	66



143	Apelin Enhances Brown Adipogenesis and Browning of White Adipocytes. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 14679-91	5.4	65
142	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. <i>Small</i> , <b>2017</b> , 13, 1604139	11	63
141	Biofunctionalized gold nanoparticles for colorimetric sensing of botulinum neurotoxin A light chain. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 2345-52	7.8	62
140	Peptide functionalized gold nanoparticles for colorimetric detection of matrix metalloproteinase (MMP-7) activity. <i>Nanoscale</i> , <b>2013</b> , 5, 8973-6	7.7	62
139	van der Waals Heterojunction between a Bottom-Up Grown Doped Graphene Quantum Dot and Graphene for Photoelectrochemical Water Splitting. <i>ACS Nano</i> , <b>2020</b> , 14, 1185-1195	16.7	58
138	Gold nanoparticles decorated reduced graphene oxide for detecting the presence and cellular release of nitric oxide. <i>Electrochimica Acta</i> , <b>2013</b> , 111, 441-446	6.7	58
137	Micro- and nanotechnologies for study of cell secretion. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 4393-406	7.8	58
136	Simultaneous label-free and pretreatment-free detection of heavy metal ions in complex samples using electrodes decorated with vertically ordered silica nanochannels. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 364-371	8.5	57
135	Monitoring Dynamic Cellular Redox Homeostasis Using Fluorescence-Switchable Graphene Quantum Dots. <i>ACS Nano</i> , <b>2016</b> , 10, 11475-11482	16.7	56
134	Organic Nanoprobe Cocktails for Multilocal and Multicolor Fluorescence Imaging of Reactive Oxygen Species. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700493	15.6	55
133	Transdermal Delivery of Anti-Obesity Compounds to Subcutaneous Adipose Tissue with Polymeric Microneedle Patches. <i>Small Methods</i> , <b>2017</b> , 1, 1700269	12.8	54
132	Fabrication of ultralong hybrid microfibers from nanosheets of reduced graphene oxide and transition-metal dichalcogenides and their application as supercapacitors. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 12576-80	16.4	54
131	Fabrication of Ultralong Hybrid Microfibers from Nanosheets of Reduced Graphene Oxide and Transition-Metal Dichalcogenides and their Application as Supercapacitors. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 12784-12788	3.6	54
130	Peptide Functionalized Gold Nanoparticles with Optimized Particle Size and Concentration for Colorimetric Assay Development: Detection of Cardiac Troponin I. <i>ACS Sensors</i> , <b>2016</b> , 1, 1416-1422	9.2	52
129	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. <i>Small</i> , <b>2017</b> , 13, 1700798	11	51
128	Label-free detection of ATP release from living astrocytes with high temporal resolution using carbon nanotube network. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2716-20	11.8	51
127	Orbital coupling of hetero-diatomic nickel-iron site for bifunctional electrocatalysis of CO reduction and oxygen evolution. <i>Nature Communications</i> , <b>2021</b> , 12, 4088	17.4	51
126	Microfiber devices based on carbon materials. <i>Materials Today</i> , <b>2015</b> , 18, 215-226	21.8	50



125	Bifunctional N-CoSe <sub>2</sub> /3D-MXene as Highly Efficient and Durable Cathode for Rechargeable Zn//Air Battery <b>2019</b> , 1, 432-439		49
124	Biodegradable PLA Nonwoven Fabric with Controllable Wettability for Efficient Water Purification and Photocatalysis Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 2445-2452	8.3	49
123	Nanoelectronic detection of triggered secretion of pro-inflammatory cytokines using CMOS compatible silicon nanowires. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2746-50	11.8	49
122	Quasi-homogeneous carbocatalysis for one-pot selective conversion of carbohydrates to 5-hydroxymethylfurfural using sulfonated graphene quantum dots. <i>Carbon</i> , <b>2018</b> , 136, 224-233	10.4	47
121	Control of adipogenesis by the autocrine interplays between angiotensin 1-7/Mas receptor and angiotensin II/AT1 receptor signaling pathways. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 15520-31	5.4	47
120	Sugar-based synthesis of Tamiflu and its inhibitory effects on cell secretion. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 4533-40	4.8	45
119	Ultra-sensitive detection of adipocytokines with CMOS-compatible silicon nanowire arrays. <i>Nanoscale</i> , <b>2009</b> , 1, 159-63	7.7	44
118	The electrical properties of graphene modified by bromophenyl groups derived from a diazonium compound. <i>Carbon</i> , <b>2012</b> , 50, 1517-1522	10.4	43
117	Changes in brain cholesterol metabolome after excitotoxicity. <i>Molecular Neurobiology</i> , <b>2010</b> , 41, 299-313	6.2	43
116	Dynamic transcriptome changes during adipose tissue energy expenditure reveal critical roles for long noncoding RNA regulators. <i>PLoS Biology</i> , <b>2017</b> , 15, e2002176	9.7	41
115	Targeting graphene quantum dots to epidermal growth factor receptor for delivery of cisplatin and cellular imaging. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 247-257	8.3	41
114	Small-molecule diketopyrrolopyrrole-based therapeutic nanoparticles for photoacoustic imaging-guided photothermal therapy. <i>Nano Research</i> , <b>2017</b> , 10, 794-801	10	40
113	Holey nickel hydroxide nanosheets for wearable solid-state fiber-supercapacitors. <i>Nanoscale</i> , <b>2018</b> , 10, 5442-5448	7.7	39
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109	Sweet graphene quantum dots for imaging carbohydrate receptors in live cells. <i>FlatChem</i> , <b>2017</b> , 5, 25-32	5.1	38
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97	Assembly of Graphene Oxide and Au <sub>0.7</sub> Ag <sub>0.3</sub> Alloy Nanoparticles on SiO <sub>2</sub> : A New Raman Substrate with Ultrahigh Signal-to-Background Ratio. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 24080-24084	3.8	34
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95	Graphene quantum dots based fluorescence turn-on nanoprobe for highly sensitive and selective imaging of hydrogen sulfide in living cells. <i>Biomaterials Science</i> , <b>2018</b> , 6, 779-784	7.4	33
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