

Peng Chen

List of Publications by Year in descending order

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255
papers

35,345
citations

2975

93
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182
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all docs

261
docs citations

261
times ranked

40375
citing authors

#	ARTICLE	IF	CITATIONS
1	Glowing Graphene Quantum Dots and Carbon Dots: Properties, Syntheses, and Biological Applications. <i>Small</i> , 2015, 11, 1620-1636.	10.0	1,770
2	Biological and chemical sensors based on graphene materials. <i>Chemical Society Reviews</i> , 2012, 41, 2283-2307.	38.1	1,591
3	Heteroatom-doped graphene materials: syntheses, properties and applications. <i>Chemical Society Reviews</i> , 2014, 43, 7067-7098.	38.1	1,547
4	3D Grapheneâ€Cobalt Oxide Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. <i>ACS Nano</i> , 2012, 6, 3206-3213.	14.6	1,510
5	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10842-10846.	3.1	702
6	Solution-processable 2D semiconductors for high-performance large-area electronics. <i>Nature</i> , 2018, 562, 254-258.	27.8	644
7	Recent Advances on Graphene Quantum Dots: From Chemistry and Physics to Applications. <i>Advanced Materials</i> , 2019, 31, e1808283.	21.0	603
8	Centimeter-Long and Large-Scale Micropatterns of Reduced Graphene Oxide Films: Fabrication and Sensing Applications. <i>ACS Nano</i> , 2010, 4, 3201-3208.	14.6	571
9	Doping Singleâ€CLayer Graphene with Aromatic Molecules. <i>Small</i> , 2009, 5, 1422-1426.	10.0	537
10	Revealing the tunable photoluminescence properties of graphene quantum dots. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6954-6960.	5.5	530
11	Macroporous and Monolithic Anode Based on Polyaniline Hybridized Three-Dimensional Graphene for High-Performance Microbial Fuel Cells. <i>ACS Nano</i> , 2012, 6, 2394-2400.	14.6	520
12	Electrical Detection of DNA Hybridization with Singleâ€CBase Specificity Using Transistors Based on CVDâ€CGrown Graphene Sheets. <i>Advanced Materials</i> , 2010, 22, 1649-1653.	21.0	516
13	Surface Modified Ti ₃ C ₂ MXene Nanosheets for Tumor Targeting Photothermal/Photodynamic/Chemo Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40077-40086.	8.0	491
14	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> , 2012, 48, 10660.	4.1	471
15	Facile Synthesis of Graphene Quantum Dots from 3D Graphene and their Application for Fe ³⁺ Sensing. <i>Advanced Functional Materials</i> , 2014, 24, 3021-3026.	14.9	446
16	One-Pot Synthesis of Carbon-Coated SnO ₂ Nanocolloids with Improved Reversible Lithium Storage Properties. <i>Chemistry of Materials</i> , 2009, 21, 2868-2874.	6.7	421
17	Ultralong Phosphorescence of Waterâ€CSoluble Organic Nanoparticles for In Vivo Afterglow Imaging. <i>Advanced Materials</i> , 2017, 29, 1606665.	21.0	419
18	Nanoelectronic biosensors based on CVD grown graphene. <i>Nanoscale</i> , 2010, 2, 1485.	5.6	408

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19	Quantum dots derived from two-dimensional materials and their applications for catalysis and energy. <i>Chemical Society Reviews</i> , 2016, 45, 2239-2262.	38.1	391
20	Atomic Layer Deposition to Fine-Tune the Surface Properties and Diameters of Fabricated Nanopores. <i>Nano Letters</i> , 2004, 4, 1333-1337.	9.1	385
21	Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , 2015, 10, 213-239.	11.9	356
22	Boosting the Photocatalytic Ability of Cu ₂ O Nanowires for CO ₂ Conversion by MXene Quantum Dots. <i>Advanced Functional Materials</i> , 2019, 29, 1806500.	14.9	354
23	Graphene-based biosensors for detection of bacteria and their metabolic activities. <i>Journal of Materials Chemistry</i> , 2011, 21, 12358.	6.7	343
24	Probing Single DNA Molecule Transport Using Fabricated Nanopores. <i>Nano Letters</i> , 2004, 4, 2293-2298.	9.1	341
25	Systematic Bandgap Engineering of Graphene Quantum Dots and Applications for Photocatalytic Water Splitting and CO ₂ Reduction. <i>ACS Nano</i> , 2018, 12, 3523-3532.	14.6	341
26	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> , 2015, 54, 4651-4656.	13.8	334
27	Transparent, Flexible, All-Reduced Graphene Oxide Thin Film Transistors. <i>ACS Nano</i> , 2011, 5, 5038-5044.	14.6	305
28	A Swellable Microneedle Patch to Rapidly Extract Skin Interstitial Fluid for Timely Metabolic Analysis. <i>Advanced Materials</i> , 2017, 29, 1702243.	21.0	303
29	Interfacing Live Cells with Nanocarbon Substrates. <i>Langmuir</i> , 2010, 26, 2244-2247.	3.5	301
30	Oxygenic Hybrid Semiconducting Nanoparticles for Enhanced Photodynamic Therapy. <i>Nano Letters</i> , 2018, 18, 586-594.	9.1	294
31	3D Graphene Foam as a Monolithic and Macroporous Carbon Electrode for Electrochemical Sensing. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3129-3133.	8.0	292
32	Hybrid structure of zinc oxide nanorods and three dimensional graphene foam for supercapacitor and electrochemical sensor applications. <i>RSC Advances</i> , 2012, 2, 4364.	3.6	285
33	Rare-Earth Single-Atom La ^{III} Charge-Transfer Bridge on Carbon Nitride for Highly Efficient and Selective Photocatalytic CO ₂ Reduction. <i>ACS Nano</i> , 2020, 14, 15841-15852.	14.6	283
34	Mo ₂ C ₄ -Derived Polyoxometalate for NIR-Photoacoustic Imaging-Guided Chemodynamic/Photothermal Synergistic Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18641-18646.	13.8	281
35	Electrical Detection of Metal Ions Using Field-Effect Transistors Based on Micropatterned Reduced Graphene Oxide Films. <i>ACS Nano</i> , 2011, 5, 1990-1994.	14.6	279
36	Orbital coupling of hetero-diatomic nickel-iron site for bifunctional electrocatalysis of CO ₂ reduction and oxygen evolution. <i>Nature Communications</i> , 2021, 12, 4088.	12.8	259

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37	Recent progress in the development of near-infrared organic photothermal and photodynamic nanotherapeutics. <i>Biomaterials Science</i> , 2018, 6, 746-765.	5.4	250
38	Functionalization of Biodegradable PLA Nonwoven Fabric as Superoleophilic and Superhydrophobic Material for Efficient Oil Absorption and Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5968-5973.	8.0	241
39	Regulating Near-Infrared Photodynamic Properties of Semiconducting Polymer Nanotheranostics for Optimized Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 8998-9009.	14.6	239
40	Graphene Quantum Dots as Universal Fluorophores and Their Use in Revealing Regulated Trafficking of Insulin Receptors in Adipocytes. <i>ACS Nano</i> , 2013, 7, 6278-6286.	14.6	229
41	Organic Dye Based Nanoparticles for Cancer Phototheranostics. <i>Small</i> , 2018, 14, e1704247.	10.0	226
42	Symmetry Breaking of Graphene Monolayers by Molecular Decoration. <i>Physical Review Letters</i> , 2009, 102, 135501.	7.8	224
43	Graphene-wrapped TiO ₂ hollow structures with enhanced lithium storage capabilities. <i>Nanoscale</i> , 2011, 3, 2158.	5.6	223
44	Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite. <i>Advanced Materials</i> , 2017, 29, 1604764.	21.0	220
45	Metal-organic framework derived CoSe ₂ nanoparticles anchored on carbon fibers as bifunctional electrocatalysts for efficient overall water splitting. <i>Nano Research</i> , 2016, 9, 2234-2243.	10.4	215
46	Synthesis of a MnO ₂ -graphene foam hybrid with controlled MnO ₂ particle shape and its use as a supercapacitor electrode. <i>Carbon</i> , 2012, 50, 4865-4870.	10.3	214
47	Electrodeposited Pt on three-dimensional interconnected graphene as a free-standing electrode for fuel cell application. <i>Journal of Materials Chemistry</i> , 2012, 22, 5286.	6.7	210
48	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> , 2020, 10, 2002896.	19.5	210
49	Self-implantable double-layered micro-drug-reservoirs for efficient and controlled ocular drug delivery. <i>Nature Communications</i> , 2018, 9, 4433.	12.8	209
50	De Novo Reconstruction of Adipose Tissue Transcriptomes Reveals Long Non-coding RNA Regulators of Brown Adipocyte Development. <i>Cell Metabolism</i> , 2015, 21, 764-776.	16.2	201
51	Graphene quantum dots functionalized gold nanoparticles for sensitive electrochemical detection of heavy metal ions. <i>Electrochimica Acta</i> , 2015, 172, 7-11.	5.2	200
52	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> , 2012, 22, 17044.	6.7	197
53	Label-free, electrochemical detection of methicillin-resistant staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3881-3886.	10.1	191
54	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. <i>Nanoscale</i> , 2012, 4, 293-297.	5.6	185

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55	One-step growth of graphene-carbon nanotube hybrid materials by chemical vapor deposition. Carbon, 2011, 49, 2944-2949.	10.3	182
56	MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. Journal of Materials Chemistry A, 2015, 3, 8483-8488.	10.3	178
57	Ultra-large single-layer graphene obtained from solution chemical reduction and its electrical properties. Physical Chemistry Chemical Physics, 2010, 12, 2164.	2.8	176
58	Free-standing electrochemical electrode based on Ni(OH) ₂ /3D graphene foam for nonenzymatic glucose detection. Nanoscale, 2014, 6, 7424-7429.	5.6	174
59	Nitrogen and phosphorus co-doped graphene quantum dots: synthesis from adenosine triphosphate, optical properties, and cellular imaging. Nanoscale, 2015, 7, 8159-8165.	5.6	174
60	Effective doping of single-layer graphene from underlying SiO ₂ . Physical Review B, 2009, 79, .	3.2	173
61	RGD-Peptide Functionalized Graphene Biomimetic Live-Cell Sensor for Real-Time Detection of Nitric Oxide Molecules. ACS Nano, 2012, 6, 6944-6951.	14.6	172
62	pH-Triggered and Enhanced Simultaneous Photodynamic and Photothermal Therapy Guided by Photoacoustic and Photothermal Imaging. Chemistry of Materials, 2017, 29, 5216-5224.	6.7	170
63	Layer-by-layer printing of laminated graphene-based interdigitated microelectrodes for flexible planar micro-supercapacitors. Electrochemistry Communications, 2015, 51, 33-36.	4.7	169
64	Growth of large-sized graphene thin-films by liquid precursor-based chemical vapor deposition under atmospheric pressure. Carbon, 2011, 49, 3672-3678.	10.3	158
65	A graphene-cobalt oxide based needle electrode for non-enzymatic glucose detection in micro-droplets. Chemical Communications, 2012, 48, 6490.	4.1	155
66	Using oxidation to increase the electrical conductivity of carbon nanotube electrodes. Carbon, 2009, 47, 1867-1870.	10.3	152
67	Interfacing Glycosylated Carbon-Nanotube-Network Devices with Living Cells to Detect Dynamic Secretion of Biomolecules. Angewandte Chemie - International Edition, 2009, 48, 2723-2726.	13.8	148
68	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. ACS Nano, 2016, 10, 3622-3629.	14.6	145
69	Memory Devices Using a Mixture of MoS ₂ and Graphene Oxide as the Active Layer. Small, 2013, 9, 727-731.	10.0	144
70	Graphene quantum dot engineered nickel-cobalt phosphide as highly efficient bifunctional catalyst for overall water splitting. Nano Energy, 2018, 48, 284-291.	16.0	143
71	A hierarchically structured composite of Mn ₃ O ₄ /3D graphene foam for flexible nonenzymatic biosensors. Journal of Materials Chemistry B, 2013, 1, 110-115.	5.8	137
72	Three-Dimensional Graphene-Carbon Nanotube Hybrid for High-Performance Enzymatic Biofuel Cells. ACS Applied Materials & Interfaces, 2014, 6, 3387-3393.	8.0	136

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73	Spatiotemporal catalytic dynamics within single nanocatalysts revealed by single-molecule microscopy. <i>Chemical Society Reviews</i> , 2014, 43, 1107-1117.	38.1	135
74	Fe ₃ O ₄ /Ag/Bi ₂ MoO ₆ Photoactivatable Nanozyme for Self-Replenishing and Sustainable Cascaded Nanocatalytic Cancer Therapy. <i>Advanced Materials</i> , 2021, 33, e2106996.	21.0	134
75	The formation of a carbon nanotube-graphene oxide core-shell structure and its possible applications. <i>Carbon</i> , 2011, 49, 5071-5078.	10.3	130
76	Nanochannel-Confined Graphene Quantum Dots for Ultrasensitive Electrochemical Analysis of Complex Samples. <i>ACS Nano</i> , 2018, 12, 12673-12681.	14.6	129
77	Quantum Dots with Phenylboronic Acid Tags for Specific Labeling of Sialic Acids on Living Cells. <i>Analytical Chemistry</i> , 2011, 83, 1124-1130.	6.5	128
78	Supercapacitor electrode based on three-dimensional graphene-polyaniline hybrid. <i>Materials Chemistry and Physics</i> , 2012, 134, 576-580.	4.0	125
79	Smartphone spectrometer for colorimetric biosensing. <i>Analyst, The</i> , 2016, 141, 3233-3238.	3.5	125
80	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> , 2014, 53, 12576-12580.	13.8	119
81	A Highly Efficient Type I Photosensitizer with Robust Vascular-Disruption Activity for Hypoxic and Metastatic Tumor Specific Photodynamic Therapy. <i>Small</i> , 2020, 16, e2001059.	10.0	116
82	Multilayered semiconducting polymer nanoparticles with enhanced NIR fluorescence for molecular imaging in cells, zebrafish and mice. <i>Chemical Science</i> , 2016, 7, 5118-5125.	7.4	113
83	Non-enzymatic detection of hydrogen peroxide using a functionalized three-dimensional graphene electrode. <i>Electrochemistry Communications</i> , 2013, 26, 81-84.	4.7	109
84	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> , 2017, 5, 6593-6600.	5.8	106
85	Phase-controlled synthesis of NiS nanoparticles confined in carbon nanorods for High Performance Supercapacitors. <i>Scientific Reports</i> , 2014, 4, 7054.	3.3	101
86	Photothermal-pH-hypoxia responsive multifunctional nanoplatform for cancer photo-chemo therapy with negligible skin phototoxicity. <i>Biomaterials</i> , 2019, 221, 119422.	11.4	101
87	Peptide-Assembled Graphene Oxide as a Fluorescent Turn-On Sensor for Lipopolysaccharide (Endotoxin) Detection. <i>Analytical Chemistry</i> , 2015, 87, 9408-9412.	6.5	100
88	van der Waals Heterojunction between a Bottom-Up Grown Doped Graphene Quantum Dot and Graphene for Photoelectrochemical Water Splitting. <i>ACS Nano</i> , 2020, 14, 1185-1195.	14.6	100
89	Achieving stable and efficient water oxidation by incorporating NiFe layered double hydroxide nanoparticles into aligned carbon nanotubes. <i>Nanoscale Horizons</i> , 2016, 1, 156-160.	8.0	99
90	CMOS-Compatible Nanowire Sensor Arrays for Detection of Cellular Bioelectricity. <i>Small</i> , 2009, 5, 208-212.	10.0	98

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91	Comparison of biochemical effects of statins and fish oil in brain: The battle of the titans. <i>Brain Research Reviews</i> , 2007, 56, 443-471.	9.0	97
92	“Wax-Sealed” Theranostic Nanoplatform for Enhanced Afterglow Imaging-Guided Photothermally Triggered Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1804317.	14.9	97
93	Cryomicroneedles for transdermal cell delivery. <i>Nature Biomedical Engineering</i> , 2021, 5, 1008-1018.	22.5	97
94	Ferritin-Templated Synthesis and Self-Assembly of Pt Nanoparticles on a Monolithic Porous Graphene Network for Electrocatalysis in Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 782-787.	8.0	96
95	An aza-BODIPY photosensitizer for photoacoustic and photothermal imaging guided dual modal cancer phototherapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1566-1573.	5.8	96
96	In Situ Synthesis of Reduced Graphene Oxide and Gold Nanocomposites for Nanoelectronics and Biosensing. <i>Nanoscale Research Letters</i> , 2011, 6, 60.	5.7	93
97	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> , 2013, 5, 9860.	5.6	93
98	Apelin Attenuates Oxidative Stress in Human Adipocytes. <i>Journal of Biological Chemistry</i> , 2014, 289, 3763-3774.	3.4	92
99	Roles of Cholesterol in Vesicle Fusion and Motion. <i>Biophysical Journal</i> , 2009, 97, 1371-1380.	0.5	91
100	Bifunctional N-CoSe ₂ /3D-MXene as Highly Efficient and Durable Cathode for Rechargeable Zn-Air Battery. , 2019, 1, 432-439.		90
101	Apelin inhibits adipogenesis and lipolysis through distinct molecular pathways. <i>Molecular and Cellular Endocrinology</i> , 2012, 362, 227-241.	3.2	89
102	Insight into the charge transport correlation in Au _x clusters and graphene quantum dots deposited on TiO ₂ nanotubes for photoelectrochemical oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11154-11162.	10.3	89
103	Transdermal Delivery of Anti-Obesity Compounds to Subcutaneous Adipose Tissue with Polymeric Microneedle Patches. <i>Small Methods</i> , 2017, 1, 1700269.	8.6	88
104	Carbohydrate functionalized carbon nanotubes and their applications. <i>Chemical Society Reviews</i> , 2010, 39, 2925.	38.1	87
105	Apelin Enhances Brown Adipogenesis and Browning of White Adipocytes. <i>Journal of Biological Chemistry</i> , 2015, 290, 14679-14691.	3.4	87
106	Nanowires assembled from MnCo ₂ O ₄ @C nanoparticles for water splitting and all-solid-state supercapacitor. <i>Nano Research</i> , 2016, 9, 1300-1309.	10.4	87
107	Biodegradable PLA Nonwoven Fabric with Controllable Wettability for Efficient Water Purification and Photocatalysis Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2445-2452.	6.7	87
108	Amperometric Detection of Quantal Catecholamine Secretion from Individual Cells on Micromachined Silicon Chips. <i>Analytical Chemistry</i> , 2003, 75, 518-524.	6.5	86

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109	Increase of riboflavin biosynthesis underlies enhancement of extracellular electron transfer of <i>Shewanella</i> in alkaline microbial fuel cells. <i>Bioresource Technology</i> , 2013, 130, 763-768.	9.6	86
110	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> , 2018, 259, 364-371.	7.8	86
111	Solid-Phase Colorimetric Sensor Based on Gold Nanoparticle-Loaded Polymer Brushes: Lead Detection as a Case Study. <i>Analytical Chemistry</i> , 2013, 85, 4094-4099.	6.5	84
112	A highly Ca ²⁺ -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> , 2002, 99, 17060-17065.	7.1	83
113	A graphene quantum dot-based FRET system for nuclear-targeted and real-time monitoring of drug delivery. <i>Nanoscale</i> , 2015, 7, 15477-15486.	5.6	83
114	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. <i>Small</i> , 2017, 13, 1604139.	10.0	83
115	Organic Nanoprobe Cocktails for Multilocal and Multicolor Fluorescence Imaging of Reactive Oxygen Species. <i>Advanced Functional Materials</i> , 2017, 27, 1700493.	14.9	82
116	Template-Sacrificing Synthesis of Well-Defined Asymmetrically Coordinated Single-Atom Catalysts for Highly Efficient CO ₂ Electrochemical Reduction. <i>ACS Nano</i> , 2022, 16, 2110-2119.	14.6	82
117	A graphene nanoribbon network and its biosensing application. <i>Nanoscale</i> , 2011, 3, 5156.	5.6	81
118	Dynamic transcriptome changes during adipose tissue energy expenditure reveal critical roles for long noncoding RNA regulators. <i>PLoS Biology</i> , 2017, 15, e2002176.	5.6	81
119	Peptide Functionalized Gold Nanoparticles with Optimized Particle Size and Concentration for Colorimetric Assay Development: Detection of Cardiac Troponin I. <i>ACS Sensors</i> , 2016, 1, 1416-1422.	7.8	79
120	Comparative studies on single-layer reduced graphene oxide films obtained by electrochemical reduction and hydrazine vapor reduction. <i>Nanoscale Research Letters</i> , 2012, 7, 161.	5.7	75
121	Peptide functionalized gold nanoparticles for colorimetric detection of matrix metalloproteinase (MMP-7) activity. <i>Nanoscale</i> , 2013, 5, 8973.	5.6	75
122	The Electrical Detection of Lead Ions Using Gold Nanoparticle and DNAzyme Functionalized Graphene Device. <i>Advanced Healthcare Materials</i> , 2013, 2, 271-274.	7.6	73
123	Micro- and Nanotechnologies for Study of Cell Secretion. <i>Analytical Chemistry</i> , 2011, 83, 4393-4406.	6.5	72
124	Biofunctionalized Gold Nanoparticles for Colorimetric Sensing of Botulinum Neurotoxin A Light Chain. <i>Analytical Chemistry</i> , 2014, 86, 2345-2352.	6.5	71
125	Monitoring Dynamic Cellular Redox Homeostasis Using Fluorescence-Switchable Graphene Quantum Dots. <i>ACS Nano</i> , 2016, 10, 11475-11482.	14.6	71
126	Gold nanoparticles decorated reduced graphene oxide for detecting the presence and cellular release of nitric oxide. <i>Electrochimica Acta</i> , 2013, 111, 441-446.	5.2	69

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127	Graphene quantum dots as full-color and stimulus responsive fluorescence ink for information encryption. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 307-314.	9.4	63
128	Label-free detection of ATP release from living astrocytes with high temporal resolution using carbon nanotube network. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2716-2720.	10.1	62
129	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. <i>Small</i> , 2017, 13, 1700798.	10.0	60
130	Quasi-homogeneous carbocatalysis for one-pot selective conversion of carbohydrates to 5-hydroxymethylfurfural using sulfonated graphene quantum dots. <i>Carbon</i> , 2018, 136, 224-233.	10.3	60
131	POD Nanozyme optimized by charge separation engineering for light/pH activated bacteria catalytic/photodynamic therapy. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 86.	17.1	59
132	Targeting graphene quantum dots to epidermal growth factor receptor for delivery of cisplatin and cellular imaging. <i>Materials Science and Engineering C</i> , 2019, 94, 247-257.	7.3	58
133	Control of Adipogenesis by the Autocrine Interplays between Angiotensin 117/Mas Receptor and Angiotensin II/AT1 Receptor Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2013, 288, 15520-15531.	3.4	57
134	Microfiber devices based on carbon materials. <i>Materials Today</i> , 2015, 18, 215-226.	14.2	57
135	Amphiphilic graphene quantum dots as a new class of surfactants. <i>Carbon</i> , 2019, 153, 127-135.	10.3	55
136	Ultra-sensitive detection of adipocytokines with CMOS-compatible silicon nanowire arrays. <i>Nanoscale</i> , 2009, 1, 159.	5.6	54
137	Changes in Brain Cholesterol Metabolome After Excitotoxicity. <i>Molecular Neurobiology</i> , 2010, 41, 299-313.	4.0	54
138	Nanoelectronic detection of triggered secretion of pro-inflammatory cytokines using CMOS compatible silicon nanowires. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2746-2750.	10.1	52
139	Optimizing the Refractive Index Sensitivity of Plasmonically Coupled Gold Nanoparticles. <i>Plasmonics</i> , 2014, 9, 773-780.	3.4	52
140	Inflection Point of the Localized Surface Plasmon Resonance Peak: A General Method to Improve the Sensitivity. <i>ACS Sensors</i> , 2017, 2, 235-242.	7.8	52
141	Small-molecule diketopyrrolopyrrole-based therapeutic nanoparticles for photoacoustic imaging-guided photothermal therapy. <i>Nano Research</i> , 2017, 10, 794-801.	10.4	50
142	Holey nickel hydroxide nanosheets for wearable solid-state fiber-supercapacitors. <i>Nanoscale</i> , 2018, 10, 5442-5448.	5.6	50
143	Highly biocompatible graphene quantum dots: green synthesis, toxicity comparison and fluorescence imaging. <i>Journal of Materials Science</i> , 2020, 55, 1198-1215.	3.7	50
144	Sugar-Based Synthesis of Tamiflu and Its Inhibitory Effects on Cell Secretion. <i>Chemistry - A European Journal</i> , 2010, 16, 4533-4540.	3.3	48

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145	Curvature of the Localized Surface Plasmon Resonance Peak. <i>Analytical Chemistry</i> , 2014, 86, 7399-7405.	6.5	48
146	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. <i>Advanced Electronic Materials</i> , 2016, 2, 1600102.	5.1	47
147	Molecular-Level Design of Hierarchically Porous Carbons Codoped with Nitrogen and Phosphorus Capable of In Situ Self-Activation for Sustainable Energy Systems. <i>Small</i> , 2017, 13, 1602010.	10.0	47
148	Angiotensin type 2 receptor activation promotes browning of white adipose tissue and brown adipogenesis. <i>Signal Transduction and Targeted Therapy</i> , 2017, 2, 17022.	17.1	47
149	Bipolar silica nanochannel array for dual-mode electrochemiluminescence and electrochemical immunosensing platform. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132086.	7.8	47
150	The Noise of Membrane Capacitance Measurements in the Whole-Cell Recording Configuration. <i>Biophysical Journal</i> , 2000, 79, 2162-2170.	0.5	46
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