Peng Chen

List of Publications by Citations

374 papers	33,356 citations	94 h-index	173 g-index
381 ext. papers	38,108 ext. citations	10.6 avg, IF	7.67 L-index

#	Paper	IF	Citations
374	Glowing graphene quantum dots and carbon dots: properties, syntheses, and biological applications. *Small*, **2015**, 11, 1620-36	11	1415
373	Biological and chemical sensors based on graphene materials. *Chemical Society Reviews*, **2012**, 41, 2283-307	38.5	1384
372	3D graphene-cobalt oxide electrode for high-performance supercapacitor and enzymeless glucose detection. *ACS Nano*, **2012**, 6, 3206-13	16.7	1371
371	Heteroatom-doped graphene materials: syntheses, properties and applications. *Chemical Society Reviews*, **2014**, 43, 7067-98	58.5	1258
370	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. *Journal of Physical Chemistry C*, **2009**, 113, 10842-10846	3.8	650
369	Centimeter-long and large-scale micropatterns of reduced graphene oxide films: fabrication and sensing applications. *ACS Nano*, **2010**, 4, 3201-8	16.7	529
368	Doping single-layer graphene with aromatic molecules. *Small*, **2009**, 5, 1422-6	11	499
367	Macroporous and monolithic anode based on polyaniline hybridized three-dimensional graphene for high-performance microbial fuel cells. *ACS Nano*, **2012**, 6, 2394-400	16.7	469
366	Electrical detection of DNA hybridization with single-base specificity using transistors based on CVD-grown graphene sheets. *Advanced Materials*, **2010**, 22, 1649-53	24	450
365	Superhydrophobic and superoleophilic hybrid foam of graphene and carbon nanotube for selective removal of oils or organic solvents from the surface of water. *Chemical Communications*, **2012**, 48, 10660-2	5.8	436
364	One-Pot Synthesis of Carbon-Coated SnO2 Nanocolloids with Improved Reversible Lithium Storage Properties. *Chemistry of Materials*, **2009**, 21, 2868-2874	9.6	406
363	Solution-processable 2D semiconductors for high-performance large-area electronics. *Nature*, **2018**, 562, 254-258	50.4	404
362	Revealing the tunable photoluminescence properties of graphene quantum dots. *Journal of Materials Chemistry C*, **2014**, 2, 6954-6960	7.1	398
361	Robust epitaxial growth of two-dimensional heterostructures, multiheterostructures, and superlattices. *Science*, **2017**, 357, 788-792	33.3	388
360	Facile Synthesis of Graphene Quantum Dots from 3D Graphene and their Application for Fe3+ Sensing. *Advanced Functional Materials*, **2014**, 24, 3021-3026	15.6	377
359	In Situ Growth of 2D Perovskite Capping Layer for Stable and Efficient Perovskite Solar Cells. *Advanced Functional Materials*, **2018**, 28, 1706923	15.6	361
358	Nanoelectronic biosensors based on CVD grown graphene. *Nanoscale*, **2010**, 2, 1485-8	7.7	354

357	Atomic Layer Deposition to Fine-Tune the Surface Properties and Diameters of Fabricated Nanopores. *Nano Letters*, **2004**, 4, 1333-1337	11.5	352
356	Recent Advances on Graphene Quantum Dots: From Chemistry and Physics to Applications. *Advanced Materials*, **2019**, 31, e1808283	24	343
355	Surface Modified TiC MXene Nanosheets for Tumor Targeting Photothermal/Photodynamic/Chemo Synergistic Therapy. *ACS Applied Materials & Interfaces*, **2017**, 9, 40077-40086	9.5	329
354	Quantum dots derived from two-dimensional materials and their applications for catalysis and energy. *Chemical Society Reviews*, **2016**, 45, 2239-62	58.5	311
353	Hybrid fibers made of molybdenum disulfide, reduced graphene oxide, and multi-walled carbon nanotubes for solid-state, flexible, asymmetric supercapacitors. *Angewandte Chemie - International Edition*, **2015**, 54, 4651-6	16.4	310
352	PROBING SINGLE DNA MOLECULE TRANSPORT USING FABRICATED NANOPORES. *Nano Letters*, **2004**, 4, 2293-2298	11.5	300
351	Graphene-based biosensors for detection of bacteria and their metabolic activities. *Journal of Materials Chemistry*, **2011**, 21, 12358		294
350	Transparent, flexible, all-reduced graphene oxide thin film transistors. *ACS Nano*, **2011**, 5, 5038-44	16.7	284
349	Strategies for enhancing the sensitivity of plasmonic nanosensors. *Nano Today*, **2015**, 10, 213-239	17.9	283
348	New BiVO Dual Photoanodes with Enriched Oxygen Vacancies for Efficient Solar-Driven Water Splitting. *Advanced Materials*, **2018**, 30, e1800486	24	282
347	An Electrochemically Treated BiVO Photoanode for Efficient Photoelectrochemical Water Splitting. *Angewandte Chemie - International Edition*, **2017**, 56, 8500-8504	16.4	278
346	Interfacing live cells with nanocarbon substrates. *Langmuir*, **2010**, 26, 2244-7	4	271
345	3D graphene foam as a monolithic and macroporous carbon electrode for electrochemical sensing. *ACS Applied Materials & Interfaces*, **2012**, 4, 3129-33	9.5	264
344	Ultralong Phosphorescence of Water-Soluble Organic Nanoparticles for In Vivo Afterglow Imaging. *Advanced Materials*, **2017**, 29, 1606665	24	259
343	Hybrid structure of zinc oxide nanorods and three dimensional graphene foam for supercapacitor and electrochemical sensor applications. *RSC Advances*, **2012**, 2, 4364	3.7	253
342	Electrical detection of metal ions using field-effect transistors based on micropatterned reduced graphene oxide films. *ACS Nano*, **2011**, 5, 1990-4	16.7	251
341	Ligand-assisted cation-exchange engineering for high-efficiency colloidal Cs1□FAxPbI3 quantum dot solar cells with reduced phase segregation. *Nature Energy*, **2020**, 5, 79-88	62.3	237
340	Oxygenic Hybrid Semiconducting Nanoparticles for Enhanced Photodynamic Therapy. *Nano Letters*, **2018**, 18, 586-594	11.5	234

339	Highly Sensitive MoS Humidity Sensors Array for Noncontact Sensation. *Advanced Materials*, **2017**, 29, 1702076	24	223
338	Systematic Bandgap Engineering of Graphene Quantum Dots and Applications for Photocatalytic Water Splitting and CO Reduction. *ACS Nano*, **2018**, 12, 3523-3532	16.7	222
337	Graphene-wrapped TiO2 hollow structures with enhanced lithium storage capabilities. *Nanoscale*, **2011**, 3, 2158-61	7.7	218
336	Addressing Toxicity of Lead: Progress and Applications of Low-Toxic Metal Halide Perovskites and Their Derivatives. *Advanced Energy Materials*, **2017**, 7, 1602512	21.8	217
335	Symmetry breaking of graphene monolayers by molecular decoration. *Physical Review Letters*, **2009** , 102, 135501	7.4	213
334	Graphene quantum dots as universal fluorophores and their use in revealing regulated trafficking of insulin receptors in adipocytes. *ACS Nano*, **2013**, 7, 6278-86	16.7	204
333	Boosting the Photocatalytic Ability of Cu2O Nanowires for CO2 Conversion by MXene Quantum Dots. *Advanced Functional Materials*, **2019**, 29, 1806500	15.6	204
332	Regulating Near-Infrared Photodynamic Properties of Semiconducting Polymer Nanotheranostics for Optimized Cancer Therapy. *ACS Nano*, **2017**, 11, 8998-9009	16.7	199
331	Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite. *Advanced Materials*, **2017**, 29, 1604764	24	194
330	Electrodeposited Pt on three-dimensional interconnected graphene as a free-standing electrode for fuel cell application. *Journal of Materials Chemistry*, **2012**, 22, 5286		189
329	Recent progress in the development of near-infrared organic photothermal and photodynamic nanotherapeutics. *Biomaterials Science*, **2018**, 6, 746-765	7.4	187
328	Metal□rganic framework derived CoSe2 nanoparticles anchored on carbon fibers as bifunctional electrocatalysts for efficient overall water splitting. *Nano Research*, **2016**, 9, 2234-2243	10	185
327	Synthesis of a MnO2□graphene foam hybrid with controlled MnO2 particle shape and its use as a supercapacitor electrode. *Carbon*, **2012**, 50, 4865-4870	10.4	184
326	Synthesis of graphene□arbon nanotube hybrid foam and its use as a novel three-dimensional electrode for electrochemical sensing. *Journal of Materials Chemistry*, **2012**, 22, 17044		181
325	Label-free, electrochemical detection of methicillin-resistant Staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. *Biosensors and Bioelectronics*, **2011**, 26, 3881-6	11.8	180
324	Observation of Strong Interlayer Coupling in MoS2/WS2 Heterostructures. *Advanced Materials*, **2016**, 28, 1950-6	24	172
323	A Swellable Microneedle Patch to Rapidly Extract Skin Interstitial Fluid for Timely Metabolic Analysis. *Advanced Materials*, **2017**, 29, 1702243	24	172
322	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. *Nanoscale*, **2012**, 4, 293-7	7.7	164

321	One-step growth of graphene–carbon nanotube hybrid materials by chemical vapor deposition. *Carbon*, **2011**, 49, 2944-2949	10.4	162
320	Nitrogen defect structure and NO+ intermediate promoted photocatalytic NO removal on H2 treated g-C3N4. *Chemical Engineering Journal*, **2020**, 379, 122282	14.7	161
319	Organic Dye Based Nanoparticles for Cancer Phototheranostics. *Small*, **2018**, 14, e1704247	11	160
318	Graphene quantum dots functionalized gold nanoparticles for sensitive electrochemical detection of heavy metal ions. *Electrochimica Acta*, **2015**, 172, 7-11	6.7	160
317	Effective doping of single-layer graphene from underlying SiO2 substrates. *Physical Review B*, **2009**, 79,	3.3	160
316	Understanding the Roles of Oxygen Vacancies in Hematite-Based Photoelectrochemical Processes. *Angewandte Chemie - International Edition*, **2019**, 58, 1030-1034	16.4	159
315	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	13	155
314	Ultra-large single-layer graphene obtained from solution chemical reduction and its electrical properties. *Physical Chemistry Chemical Physics*, **2010**, 12, 2164-9	3.6	155
313	Free-standing electrochemical electrode based on Ni(OH)2/3D graphene foam for nonenzymatic glucose detection. *Nanoscale*, **2014**, 6, 7424-9	7.7	152
312	Nitrogen and phosphorus co-doped graphene quantum dots: synthesis from adenosine triphosphate, optical properties, and cellular imaging. *Nanoscale*, **2015**, 7, 8159-65	7.7	149
311	RGD-peptide functionalized graphene biomimetic live-cell sensor for real-time detection of nitric oxide molecules. *ACS Nano*, **2012**, 6, 6944-51	16.7	149
310	Layer-by-layer printing of laminated graphene-based interdigitated microelectrodes for flexible planar micro-supercapacitors. *Electrochemistry Communications*, **2015**, 51, 33-36	5.1	147
309	Using oxidation to increase the electrical conductivity of carbon nanotube electrodes. *Carbon*, **2009**, 47, 1867-1870	10.4	147
308	pH-Triggered and Enhanced Simultaneous Photodynamic and Photothermal Therapy Guided by Photoacoustic and Photothermal Imaging. *Chemistry of Materials*, **2017**, 29, 5216-5224	9.6	145
307	A graphene-cobalt oxide based needle electrode for non-enzymatic glucose detection in micro-droplets. *Chemical Communications*, **2012**, 48, 6490-2	5.8	145
306	Graphene-Contacted Ultrashort Channel Monolayer MoS Transistors. *Advanced Materials*, **2017**, 29, 1702522	24	144
305	De Novo Reconstruction of Adipose Tissue Transcriptomes Reveals Long Non-coding RNA Regulators of Brown Adipocyte Development. *Cell Metabolism*, **2015**, 21, 764-776	24.6	136
304	Growth of large-sized graphene thin-films by liquid precursor-based chemical vapor deposition under atmospheric pressure. *Carbon*, **2011**, 49, 3672-3678	10.4	135

303	Interfacing glycosylated carbon-nanotube-network devices with living cells to detect dynamic secretion of biomolecules. *Angewandte Chemie - International Edition*, **2009**, 48, 2723-6	16.4	134
302	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. *ACS Nano*, **2016**, 10, 3622-9	16.7	124
301	Rare-Earth Single-Atom La-N Charge-Transfer Bridge on Carbon Nitride for Highly Efficient and Selective Photocatalytic CO Reduction. *ACS Nano*, **2020**, 14, 15841-15852	16.7	123
300	Three-dimensional graphene-carbon nanotube hybrid for high-performance enzymatic biofuel cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 3387-93	9.5	123
299	A hierarchically structured composite of MnO/3D graphene foam for flexible nonenzymatic biosensors. *Journal of Materials Chemistry B*, **2013**, 1, 110-115	7.3	123
298	Graphene supported Sn□Sb@carbon core-shell particles as a superior anode for lithium ion batteries. *Electrochemistry Communications*, **2010**, 12, 1302-1306	5.1	122
297	Quantum dots with phenylboronic acid tags for specific labeling of sialic acids on living cells. *Analytical Chemistry*, **2011**, 83, 1124-30	7.8	121
296	Interconnected tin disulfide nanosheets grown on graphene for Li-ion storage and photocatalytic applications. *ACS Applied Materials & Interfaces*, **2013**, 5, 12073-82	9.5	120
295	The formation of a carbon nanotube□graphene oxide core□shell structure and its possible applications. *Carbon*, **2011**, 49, 5071-5078	10.4	118
294	Supercapacitor electrode based on three-dimensional graphene□polyaniline hybrid. *Materials Chemistry and Physics*, **2012**, 134, 576-580	4.4	116
293	Synthesis of Ultrathin Metallic MTe (M = V, Nb, Ta) Single-Crystalline Nanoplates. *Advanced Materials*, **2018**, 30, e1801043	24	111
292	Broadband tunable liquid crystal terahertz waveplates driven with porous graphene electrodes. *Light: Science and Applications*, **2015**, 4, e253-e253	16.7	111
291	Carbon nanotubes grown in situ on graphene nanosheets as superior anodes for Li-ion batteries. *Nanoscale*, **2011**, 3, 4323-9	7.7	104
290	Enhanced perovskite electronic properties via a modified lead(II) chloride Lewis acid□base adduct and their effect in high-efficiency perovskite solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 5195-5203	11	103
289	In Situ Formation of Oxygen Vacancies Achieving Near-Complete Charge Separation in Planar BiVO Photoanodes. *Advanced Materials*, **2020**, 32, e2001385	24	103
288	Graphene quantum dot engineered nickel-cobalt phosphide as highly efficient bifunctional catalyst for overall water splitting. *Nano Energy*, **2018**, 48, 284-291	17.1	103
287	Thermally Induced Graphene Rotation on Hexagonal Boron Nitride. *Physical Review Letters*, **2016**, 116, 126101	7.4	103
286	Thickness-Tunable Synthesis of Ultrathin Type-II Dirac Semimetal PtTe Single Crystals and Their Thickness-Dependent Electronic Properties. *Nano Letters*, **2018**, 18, 3523-3529	11.5	103

285	Bi metal prevents the deactivation of oxygen vacancies in Bi2O2CO3 for stable and efficient photocatalytic NO abatement. *Applied Catalysis B: Environmental*, **2020**, 264, 118545	21.8	102
284	Non-enzymatic detection of hydrogen peroxide using a functionalized three-dimensional graphene electrode. *Electrochemistry Communications*, **2013**, 26, 81-84	5.1	100
283	Digitalizing Self-Assembled Chiral Superstructures for Optical Vortex Processing. *Advanced Materials*, **2018**, 30, 1705865	24	99
282	Chemical synthesis of two-dimensional atomic crystals, heterostructures and superlattices. *Chemical Society Reviews*, **2018**, 47, 3129-3151	58.5	99
281	Multilayered semiconducting polymer nanoparticles with enhanced NIR fluorescence for molecular imaging in cells, zebrafish and mice. *Chemical Science*, **2016**, 7, 5118-5125	9.4	97
280	Ferritin-templated synthesis and self-assembly of Pt nanoparticles on a monolithic porous graphene network for electrocatalysis in fuel cells. *ACS Applied Materials & Interfaces*, **2013**, 5, 782-7	9.5	90
279	Polydopamine-Enabled Approach toward Tailored Plasmonic Nanogapped Nanoparticles: From Nanogap Engineering to Multifunctionality. *ACS Nano*, **2016**, 10, 11066-11075	16.7	90
278	CMOS-Compatible nanowire sensor arrays for detection of cellular bioelectricity. *Small*, **2009**, 5, 208-12	11	88
277	Phase-controlled synthesis of □NiS nanoparticles confined in carbon nanorods for high performance supercapacitors. *Scientific Reports*, **2014**, 4, 7054	4.9	86
276	Comparison of biochemical effects of statins and fish oil in brain: the battle of the titans. *Brain Research Reviews*, **2007**, 56, 443-71		86
275	Achieving stable and efficient water oxidation by incorporating NiFe layered double hydroxide nanoparticles into aligned carbon nanotubes. *Nanoscale Horizons*, **2016**, 1, 156-160	10.8	84
274	Generation of arbitrary vector beams with liquid crystal polarization converters and vector-photoaligned q-plates. *Applied Physics Letters*, **2015**, 107, 241102	3.4	84
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272	High capacitive performance of flexible and binder-free graphene-polypyrrole composite membrane based on in situ reduction of graphene oxide and self-assembly. *Nanoscale*, **2013**, 5, 9860-6	7.7	82
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269	Electrosynthesis and characterization of polypyrrole/Au nanocomposite. *Electrochimica Acta*, **2007**, 52, 2845-2849	6.7	80
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267	Facile and scalable preparation of highly luminescent N,S co-doped graphene quantum dots and their application for parallel detection of multiple metal ions. *Journal of Materials Chemistry B*, **2017**, 5, 6593-6600	7.3	78
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265	Solid-phase colorimetric sensor based on gold nanoparticle-loaded polymer brushes: lead detection as a case study. *Analytical Chemistry*, **2013**, 85, 4094-9	7.8	77
264	Amperometric detection of quantal catecholamine secretion from individual cells on micromachined silicon chips. *Analytical Chemistry*, **2003**, 75, 518-24	7.8	77
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262	Unraveling the mechanism of binary channel reactions in photocatalytic formaldehyde decomposition for promoted mineralization. *Applied Catalysis B: Environmental*, **2020**, 260, 118130	21.8	75
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256	Apelin inhibits adipogenesis and lipolysis through distinct molecular pathways. *Molecular and Cellular Endocrinology*, **2012**, 362, 227-41	4.4	71
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254	Digitalized Geometric Phases for Parallel Optical Spin and Orbital Angular Momentum Encoding. *ACS Photonics*, **2017**, 4, 1333-1338	6.3	69
253	Progress and Perspective in Low-Dimensional Metal Halide Perovskites for Optoelectronic Applications. *Solar Rrl*, **2018**, 2, 1700186	7.1	69
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251	High-strength carbon nanotube buckypaper composites as applied to free-standing electrodes for supercapacitors. *Journal of Materials Chemistry A*, **2013**, 1, 4057	13	69
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249	Insight into the charge transport correlation in Aux clusters and graphene quantum dots deposited on TiO2 nanotubes for photoelectrochemical oxygen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 11154-11162	13	69
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247	Van der Waals epitaxial growth of air-stable CrSe nanosheets with thickness-tunable magnetic order. *Nature Materials*, **2021**, 20, 818-825	27	68
246	Synergistic effects of crystal structure and oxygen vacancy on Bi2O3 polymorphs: intermediates activation, photocatalytic reaction efficiency, and conversion pathway. *Science Bulletin*, **2020**, 65, 467-476	10.6	67
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244	Nanowires assembled from MnCo2O4@C nanoparticles for water splitting and all-solid-state supercapacitor. *Nano Research*, **2016**, 9, 1300-1309	10	67
243	The electrical detection of lead ions using gold-nanoparticle- and DNAzyme-functionalized graphene device. *Advanced Healthcare Materials*, **2013**, 2, 271-4	10.1	66
242	Apelin Enhances Brown Adipogenesis and Browning of White Adipocytes. *Journal of Biological Chemistry*, **2015**, 290, 14679-91	5.4	65
241	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. *Small*, **2017**, 13, 1604139	11	63
240	Chirality invertible superstructure mediated active planar optics. *Nature Communications*, **2019**, 10, 2518	17.4	63
239	Terahertz vortex beam generator based on a photopatterned large birefringence liquid crystal. *Optics Express*, **2017**, 25, 12349-12356	3.3	62
238	Theoretical design and experimental investigation on highly selective Pd particles decorated CN for safe photocatalytic NO purification. *Journal of Hazardous Materials*, **2020**, 392, 122357	12.8	59
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233	Synergistic photo-thermal catalytic NO purification of MnO x /g-C 3 N 4 : Enhanced performance and reaction mechanism. *Chinese Journal of Catalysis*, **2018**, 39, 619-629	11.3	56
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231	Monitoring Dynamic Cellular Redox Homeostasis Using Fluorescence-Switchable Graphene Quantum Dots. *ACS Nano*, **2016**, 10, 11475-11482	16.7	56
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226	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. *Small*, **2017**, 13, 1700798	11	51
225	Label-free detection of ATP release from living astrocytes with high temporal resolution using carbon nanotube network. *Biosensors and Bioelectronics*, **2009**, 24, 2716-20	11.8	51
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223	Microfiber devices based on carbon materials. *Materials Today*, **2015**, 18, 215-226	21.8	50
222	Bifunctional N-CoSe2/3D-MXene as Highly Efficient and Durable Cathode for Rechargeable Zn Air Battery **2019**, 1, 432-439		49
221	Liquid-Crystal-Mediated Geometric Phase: From Transmissive to Broadband Reflective Planar Optics. *Advanced Materials*, **2020**, 32, e1903665	24	49
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219	Pivotal roles of artificial oxygen vacancies in enhancing photocatalytic activity and selectivity on Bi2O2CO3 nanosheets. *Chinese Journal of Catalysis*, **2019**, 40, 620-630	11.3	48
218	Quasi-homogeneous carbocatalysis for one-pot selective conversion of carbohydrates to 5-hydroxymethylfurfural using sulfonated graphene quantum dots. *Carbon*, **2018**, 136, 224-233	10.4	47
217	Control of adipogenesis by the autocrine interplays between angiotensin 1-7/Mas receptor and angiotensin II/AT1 receptor signaling pathways. *Journal of Biological Chemistry*, **2013**, 288, 15520-31	5.4	47
216	Multi-stimuli responsive smart chitosan-based microcapsules for targeted drug delivery and triggered drug release. *Ultrasonics Sonochemistry*, **2017**, 38, 145-153	8.9	46
215	Generation of Equal-Energy Orbital Angular Momentum Beams via Photopatterned Liquid Crystals. *Physical Review Applied*, **2016**, 5,	4.3	46
214	The importance of intermediates ring-opening in preventing photocatalyst deactivation during toluene decomposition. *Applied Catalysis B: Environmental*, **2020**, 272, 118977	21.8	46

213	Growth of Single-Crystalline Cadmium Iodide Nanoplates, CdI/MoS (WS, WSe) van der Waals Heterostructures, and Patterned Arrays. *ACS Nano*, **2017**, 11, 3413-3419	16.7	45
212	Sugar-based synthesis of Tamiflu and its inhibitory effects on cell secretion. *Chemistry - A European Journal*, **2010**, 16, 4533-40	4.8	45
211	Ultra-sensitive detection of adipocytokines with CMOS-compatible silicon nanowire arrays. *Nanoscale*, **2009**, 1, 159-63	7.7	44
210	The electrical properties of graphene modified by bromophenyl groups derived from a diazonium compound. *Carbon*, **2012**, 50, 1517-1522	10.4	43
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208	A general route towards defect and pore engineering in graphene. *Small*, **2014**, 10, 2280-4	11	42
207	Polarization-controllable Airy beams generated via a photoaligned director-variant liquid crystal mask. *Scientific Reports*, **2015**, 5, 17484	4.9	42
206	Synthesis of 2D Layered BiI Nanoplates, BiI /WSe van der Waals Heterostructures and Their Electronic, Optoelectronic Properties. *Small*, **2017**, 13, 1701034	11	41
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204	Small-molecule diketopyrrolopyrrole-based therapeutic nanoparticles for photoacoustic imaging-guided photothermal therapy. *Nano Research*, **2017**, 10, 794-801	10	40
203	Holey nickel hydroxide nanosheets for wearable solid-state fiber-supercapacitors. *Nanoscale*, **2018**, 10, 5442-5448	7.7	39
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