

Hao-Li Zhang

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98
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344
ext. papers

14,157
ext. citations

7.1
avg, IF

6.63
L-index

#	Paper	IF	Citations
322	Can graphene be used as a substrate for Raman enhancement?. <i>Nano Letters</i> , 2010 , 10, 553-61	11.5	771
321	Improving gas sensing properties of graphene by introducing dopants and defects: a first-principles study. <i>Nanotechnology</i> , 2009 , 20, 185504	3.4	732
320	A mixed-solvent strategy for efficient exfoliation of inorganic graphene analogues. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10839-42	16.4	715
319	One-pot synthesis of CoFe ₂ O ₄ /graphene oxide hybrids and their conversion into FeCo/graphene hybrids for lightweight and highly efficient microwave absorber. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5535-5546	13	420
318	MoS ₂ nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. <i>Nanoscale</i> , 2014 , 6, 5624-9	7.7	281
317	High and balanced hole and electron mobilities from ambipolar thin-film transistors based on nitrogen-containing oligoacenes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16349-51	16.4	203
316	Group 6 transition metal dichalcogenide nanomaterials: synthesis, applications and future perspectives. <i>Nanoscale Horizons</i> , 2018 , 3, 90-204	10.8	203
315	Reducing aggregation caused quenching effect through co-assembly of PAH chromophores and molecular barriers. <i>Nature Communications</i> , 2019 , 10, 169	17.4	178
314	Nanomolar detection of dopamine in the presence of ascorbic acid at β -cyclodextrin/graphene nanocomposite platform. <i>Electrochemistry Communications</i> , 2010 , 12, 557-560	5.1	170
313	Magnetic properties and magnetization reversal of β -Fe nanowires deposited in alumina film. <i>Journal of Applied Physics</i> , 2000 , 87, 7405-7408	2.5	157
312	Effect of graphene Fermi level on the Raman scattering intensity of molecules on graphene. <i>ACS Nano</i> , 2011 , 5, 5338-44	16.7	151
311	High performance n-type and ambipolar small organic semiconductors for organic thin film transistors. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 22448-57	3.6	143
310	A Stimuli-Responsive Smart Lanthanide Nanocomposite for Multidimensional Optical Recording and Encryption. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2689-2693	16.4	139
309	Size-dependent nonlinear optical properties of atomically thin transition metal dichalcogenide nanosheets. <i>Small</i> , 2015 , 11, 694-701	11	132
308	Solvent-Free Mechanochemistry of Composition-Tunable Cesium Lead Halide Perovskite Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1610-1614	6.4	130
307	Recent Progress in Thermoelectric Materials Based on Conjugated Polymers. <i>Polymers</i> , 2019 , 11,	4.5	126
306	Self-Powered Electronics by Integration of Flexible Solid-State Graphene-Based Supercapacitors with High Performance Perovskite Hybrid Solar Cells. <i>Advanced Functional Materials</i> , 2015 , 25, 2420-2427	15.6	115

305	Iron-Doped Carbon Nitride-Type Polymers as Homogeneous Organocatalysts for Visible Light-Driven Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 617-24	9.5	114
304	Nonfullerene All-Small-Molecule Organic Solar Cells. <i>ACS Energy Letters</i> , 2019 , 4, 1241-1250	20.1	112
303	A strongly coupled Au/Fe ₃ O ₄ /GO hybrid material with enhanced nanozyme activity for highly sensitive colorimetric detection, and rapid and efficient removal of Hg(2+) in aqueous solutions. <i>Nanoscale</i> , 2015 , 7, 8495-502	7.7	112
302	Strong two-photon excited fluorescence and stimulated emission from an organic single crystal of an oligo(phenylene vinylene). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 732-5	16.4	112
301	Graphene in light: design, synthesis and applications of photo-active graphene and graphene-like materials. <i>Small</i> , 2013 , 9, 1266-83	11	105
300	Recent Progress in Metal-Free Covalent Organic Frameworks as Heterogeneous Catalysts. <i>Small</i> , 2020 , 16, e2001070	11	104
299	Tuning the electronic structure and transport properties of graphene by noncovalent functionalization: effects of organic donor, acceptor and metal atoms. <i>Nanotechnology</i> , 2010 , 21, 065204	3.4	104
298	Photoactive graphene sheets prepared by "click" chemistry. <i>Chemical Communications</i> , 2011 , 47, 5747-9	5.8	102
297	Investigating the mechanism of hysteresis effect in graphene electrical field device fabricated on SiO ₂ substrates using Raman spectroscopy. <i>Small</i> , 2012 , 8, 2833-40	11	101
296	Vapour sensing using surface functionalized gold nanoparticles. <i>Nanotechnology</i> , 2002 , 13, 439-444	3.4	98
295	Hybrid silicon-organic nanoparticle memory device. <i>Journal of Applied Physics</i> , 2003 , 94, 5234	2.5	91
294	Enhanced field emission from hydrogenated TiO ₂ nanotube arrays. <i>Nanotechnology</i> , 2012 , 23, 455204	3.4	89
293	A Mixed-Solvent Strategy for Efficient Exfoliation of Inorganic Graphene Analogues. <i>Angewandte Chemie</i> , 2011 , 123, 11031-11034	3.6	88
292	Pyrene fused perylene diimides: synthesis, characterization and applications in organic field-effect transistors and optical limiting with high performance. <i>Chemical Communications</i> , 2015 , 51, 7156-9	5.8	85
291	A general solid-state synthesis of chemically-doped fluorescent graphene quantum dots for bioimaging and optoelectronic applications. <i>Nanoscale</i> , 2015 , 7, 10162-9	7.7	85
290	Surface-Enhanced Raman Scattering (SERS) from Azobenzene Self-Assembled Sandwiches. <i>Langmuir</i> , 1999 , 15, 16-19	4	85
289	2D bismuthene fabricated via acid-intercalated exfoliation showing strong nonlinear near-infrared responses for mode-locking lasers. <i>Nanoscale</i> , 2018 , 10, 21106-21115	7.7	79
288	A one-step method to produce graphene-Fe ₃ O ₄ composites and their excellent catalytic activities for three-component coupling of aldehyde, alkyne and amine. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 651-656	13	78

287	Fe ₃ O ₄ /graphene hybrids: nanoscale characterization and their enhanced electromagnetic wave absorption in gigahertz range. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	78
286	Synthesis of tetrachloro-azapentacene as an ambipolar organic semiconductor with high and balanced carrier mobilities. <i>Organic Letters</i> , 2011 , 13, 2880-3	6.2	78
285	Low-threshold nanolasers based on slab-nanocrystals of H-aggregated organic semiconductors. <i>Advanced Materials</i> , 2012 , 24, OP216-20	24	78
284	Dual-Accepting-Unit Design of Donor Material for All-Small-Molecule Organic Solar Cells with Efficiency Approaching 11%. <i>Chemistry of Materials</i> , 2018 , 30, 8661-8668	9.6	78
283	Effects of dopant and defect on the adsorption of carbon monoxide on graphitic boron nitride sheet: A first-principles study. <i>Chemical Physics Letters</i> , 2010 , 484, 266-270	2.5	77
282	Electric field-induced selective catalysis of single-molecule reaction. <i>Science Advances</i> , 2019 , 5, eaaw3072	24.3	72
281	Preparation of coaxial TiO ₂ /ZnO nanotube arrays for high-efficiency photo-energy conversion applications. <i>Electrochemistry Communications</i> , 2011 , 13, 788-791	5.1	72
280	Preparation of large size, few-layer black phosphorus nanosheets via phytic acid-assisted liquid exfoliation. <i>Chemical Communications</i> , 2016 , 52, 8107-10	5.8	72
279	Impact of Intermolecular Distance on Singlet Fission in a Series of TIPS Pentacene Compounds. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3451-5	6.4	68
278	Structure dependent interaction between organic dyes and carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 9-12	5.1	67
277	One-pot polyol synthesis of graphene decorated with size- and density-tunable Fe ₃ O ₄ nanoparticles for porcine pancreatic lipase immobilization. <i>Carbon</i> , 2013 , 60, 488-497	10.4	66
276	Azulene-based organic functional molecules for optoelectronics. <i>Chinese Chemical Letters</i> , 2016 , 27, 1098-1104	66	66
275	Highly efficient degradation of organic dyes by palladium nanoparticles decorated on 2D magnetic reduced graphene oxide nanosheets. <i>Dalton Transactions</i> , 2015 , 44, 9193-9	4.3	65
274	Spectroscopic Characterization of Gold Nanoparticles Passivated by Mercaptopyrindine and Mercaptopyrimidine Derivatives. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 6087-6095	3.4	63
273	One-pot synthesis of highly luminescent carbon quantum dots and their nontoxic ingestion by zebrafish for in vivo imaging. <i>Chemistry - A European Journal</i> , 2014 , 20, 5640-8	4.8	62
272	Excessive Exoergicity Reduces Singlet Exciton Fission Efficiency of Heteroacenes in Solutions. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6739-45	16.4	62
271	Color-tunable luminescence, energy transfer and temperature sensing behavior of hexagonal NaYF ₄ :Ce ³⁺ /Tb ³⁺ /Eu ³⁺ microcrystals. <i>Journal of Alloys and Compounds</i> , 2016 , 672, 117-124	5.7	61
270	Spontaneous Formation of Ordered Lateral Patterns in Polymer Thin-Film Structures. <i>Advanced Functional Materials</i> , 2004 , 14, 1081-1088	15.6	60

269	Well-controlled layer-by-layer assembly of carbon dot/CdS heterojunctions for efficient visible-light-driven photocatalysis. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16613-16620	13	58
268	Modulating the charge-transfer enhancement in GERS using an electrical field under vacuum and an n/p-doping atmosphere. <i>Small</i> , 2011 , 7, 2945-52	11	57
267	Rational design of nitrogen and sulfur co-doped carbon dots for efficient photoelectrical conversion applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11287-11293	13	56
266	Size- and shape-dependent peroxidase-like catalytic activity of MnFe ₂ O ₄ Nanoparticles and their applications in highly efficient colorimetric detection of target cancer cells. <i>Dalton Transactions</i> , 2015 , 44, 12871-7	4.3	56
265	Rational design of small indolic squaraine dyes with large two-photon absorption cross section. <i>Chemical Science</i> , 2015 , 6, 761-769	9.4	55
264	A multifunctional nanoprobe based on Au-Fe ₃ O ₄ nanoparticles for multimodal and ultrasensitive detection of cancer cells. <i>Chemical Communications</i> , 2013 , 49, 4938-40	5.8	55
263	Small molecule-assisted fabrication of black phosphorus quantum dots with a broadband nonlinear optical response. <i>Nanoscale</i> , 2016 , 8, 15132-6	7.7	54
262	4,5,9,10-Pyrene Diimides: A Family of Aromatic Diimides Exhibiting High Electron Mobility and Two-Photon Excited Emission. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13031-13035	16.4	53
261	Improving the anti-tumor effect of genistein with a biocompatible superparamagnetic drug delivery system. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2325-31	1.3	53
260	Water-miscible organic J-aggregate nanoparticles as efficient two-photon fluorescent nano-probes for bio-imaging. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17737		52
259	Small-Molecule-Doped Organic Crystals with Long-Persistent Luminescence. <i>Advanced Functional Materials</i> , 2019 , 29, 1902503	15.6	50
258	Theoretical investigation on molecular rectification on the basis of asymmetric substitution and proton transfer reaction. <i>Journal of Chemical Physics</i> , 2008 , 129, 224704	3.9	48
257	Surface functionalisation for the self-assembly of nanoparticle/polymer multilayer films. <i>Thin Solid Films</i> , 2003 , 426, 31-39	2.2	48
256	An irreversible electrolyte anion-doping strategy toward a superior aqueous Zn-organic battery. <i>Energy Storage Materials</i> , 2020 , 33, 283-289	19.4	47
255	In-situ Growth of Ultrathin ZIF-67 Nanosheets on Conductive Ti@TiO ₂ /CdS Substrate for High-efficient Electrochemical Catalysis. <i>Electrochimica Acta</i> , 2016 , 219, 623-629	6.7	47
254	Distinguishing Diketopyrrolopyrrole Isomers in Single-Molecule Junctions via Reversible Stimuli-Responsive Quantum Interference. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6531-6535	16.4	46
253	Co@Co ₂ O ₄ Core-shell three-dimensional nano-network for high-performance electrochemical energy storage. <i>Small</i> , 2014 , 10, 2618-24	11	46
252	Negatively charged 2D black phosphorus for highly efficient covalent functionalization. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1700-1706	7.8	45

251	Expanding the photoresponse range of TiO ₂ nanotube arrays by CdS/CdSe/ZnS quantum dots co-modification. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 224, 25-30	4.7	45
250	Broadband optical limiting response of a graphene-PbS nanohybrid. <i>Nanoscale</i> , 2015 , 7, 9268-74	7.7	44
249	Solution-processed Fe ₃ O ₄ magnetic nanoparticle thin film aligned by an external magnetostatic field as a hole extraction layer for polymer solar cells. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10325-30	9.5	42
248	New oligothiophene-pentacene hybrids as highly stable and soluble organic semiconductors. <i>Organic Letters</i> , 2009 , 11, 2563-6	6.2	42
247	Hierarchical Graphdiyne@NiFe layered double hydroxide heterostructures as a bifunctional electrocatalyst for overall water splitting. <i>Journal of Alloys and Compounds</i> , 2019 , 794, 261-267	5.7	41
246	Unexpected optical limiting properties from MoS ₂ nanosheets modified by a semiconductive polymer. <i>Chemical Communications</i> , 2015 , 51, 12262-5	5.8	41
245	A 3N rule for the electronic properties of doped graphene. <i>Nanotechnology</i> , 2013 , 24, 225705	3.4	41
244	Synthesis of oligo(phenylene ethynylene)s with dendrimer "shells" for molecular electronics. <i>Organic Letters</i> , 2007 , 9, 595-8	6.2	41
243	Polymer Ionic Liquid Stabilized Black Phosphorus for Environmental Robust Flexible Optoelectronics. <i>Advanced Functional Materials</i> , 2018 , 28, 1805311	15.6	41
242	Strong coupled palladium nanoparticles decorated on magnetic graphene nanosheets as enhanced peroxidase mimetics for colorimetric detection of H ₂ O ₂ . <i>Dyes and Pigments</i> , 2016 , 125, 64-71	4.6	40
241	Efficient Perovskite Hybrid Solar Cells Through a Homogeneous High-Quality Organolead Iodide Layer. <i>Small</i> , 2015 , 11, 3369-76	11	40
240	Highly ordered fluorescent rings by Breath figures on patterned substrates using polymer-free CdSe quantum dots. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2660		40
239	Spectroscopic Ellipsometric Evaluation of Gold Nanoparticle Thin Films Fabricated Using Layer-by-Layer Self-Assembly. <i>Advanced Materials</i> , 2003 , 15, 531-534	24	40
238	Reversible Thermochromism and Strong Ferromagnetism in Two-Dimensional Hybrid Perovskites. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 203-208	16.4	39
237	Chemical approaches towards single-species single-walled carbon nanotubes. <i>Nanoscale</i> , 2010 , 2, 1901-1907	18.7	38
236	Controlling the micro/nanostructure of self-cleaning polymer coating. <i>Applied Surface Science</i> , 2007 , 253, 8830-8834	6.7	38
235	Al doped narcissus-like ZnO for enhanced NO ₂ sensing performance: An experimental and DFT investigation. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127489	8.5	38
234	Self-catalytic membrane photo-reactor made of carbon nitride nanosheets. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11666-11671	13	38

233	Two-Dimensional Perovskite Chiral Ferromagnets. <i>Chemistry of Materials</i> , 2020 , 32, 8914-8920	9.6	37
232	Antimonene-based flexible photodetector. <i>Nanoscale Horizons</i> , 2020 , 5, 124-130	10.8	36
231	Monitoring human telomere DNA hybridization and G-quadruplex formation using gold nanorods. <i>Analytica Chimica Acta</i> , 2010 , 668, 208-14	6.6	35
230	Nanoscale characterization and magnetic reversal mechanism investigation of electrospun NiFe ₂ O ₄ multi-particle-chain nanofibres. <i>Nanoscale</i> , 2012 , 4, 2754-9	7.7	34
229	Uniform Nanoscopic Polystyrene Patterns Produced from a Microscopic Mold. <i>Nano Letters</i> , 2004 , 4, 1513-1519	11.5	34
228	Interface coassembly of mesoporous MoS ₂ based-frameworks for enhanced near-infrared light driven photocatalysis. <i>Chemical Communications</i> , 2016 , 52, 6431-4	5.8	34
227	Understanding the Halogenation Effects in Diketopyrrolopyrrole-Based Small Molecule Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19914-22	9.5	33
226	In Situ Growth of 3D/2D (CsPbBr/CsPbBr) Perovskite Heterojunctions toward Optoelectronic Devices. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6007-6015	6.4	33
225	Synthesis of 1,4-bis[2,2-bis(4-alkoxyphenyl)vinyl]benzenes and side chain modulation of their solid-state emission. <i>Organic Letters</i> , 2010 , 12, 4364-7	6.2	33
224	Tris(S,S-dioxide)-trithiasumanene: strong fluorescence and cocrystal with 1,2,6,7,10,11-hexabutoxytriphenylene. <i>Chemical Communications</i> , 2017 , 53, 1546-1549	5.8	31
223	Rational Design of Organic Probes for Turn-On Two-Photon Excited Fluorescence Imaging and Photodynamic Therapy. <i>Chem</i> , 2019 , 5, 600-616	16.2	31
222	Partial Oxidized Arsenene: Emerging Tunable Direct Bandgap Semiconductor. <i>Scientific Reports</i> , 2016 , 6, 24981	4.9	30
221	Monitoring Electron Transfer in an Azobenzene Self-Assembled Monolayer by in Situ Infrared Reflection Absorption Spectroscopy. <i>Langmuir</i> , 1998 , 14, 619-624	4	30
220	Trichalcogenasumanene ortho-Quinones: Synthesis, Properties, and Transformation into Various Heteropolycycles. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13470-13474	16.4	29
219	Molecular Packing-Induced Transition between Ambipolar and Unipolar Behavior in Dithiophene-4,9-dione-Containing Organic Semiconductors. <i>Advanced Functional Materials</i> , 2014 , 24, 2907-2915	15.6	29
218	Fabrication and Characterization of Self-Assembled Nanoparticle/Polyelectrolyte Multilayer Films. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 13557-62	3.4	29
217	An atom-scale interfacial coordination strategy to prepare hierarchically porous Fe ₃ O ₄ -graphene frameworks and their application in charge and size selective dye removal. <i>Chemical Communications</i> , 2015 , 51, 14405-8	5.8	28
216	Tuning the ambipolar charge transport properties of N-heteropentacenes by their frontier molecular orbital energy levels. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4188-4196	7.1	28

215	Ultrathin agaric-like ZnO with Pd dopant for aniline sensor and DFT investigation. <i>Journal of Hazardous Materials</i> , 2020 , 388, 122069	12.8	28
214	In situ preparation of a MOF-derived magnetic carbonaceous catalyst for visible-light-driven hydrogen evolution. <i>RSC Advances</i> , 2016 , 6, 2011-2018	3.7	28
213	Formal synthesis of (E)-cycloclavine. <i>Journal of Organic Chemistry</i> , 2014 , 79, 122-7	4.2	28
212	Coordinated assembly of a new 3D mesoporous Fe ₃ O ₄ @CuO-graphene oxide framework as a highly efficient and reusable catalyst for the synthesis of quinoxalines. <i>Chemical Communications</i> , 2015 , 51, 5069-72	5.8	28
211	Highly enhanced photocatalytic H ₂ evolution of CuO microcube by coupling with TiO ₂ nanoparticles. <i>Nanotechnology</i> , 2019 , 30, 145401	3.4	28
210	Morphology-controllable Cu ₂ O supercrystals: Facile synthesis, facet etching mechanism and comparative photocatalytic H ₂ production. <i>Journal of Alloys and Compounds</i> , 2017 , 729, 563-570	5.7	27
209	Large Band Gap Narrowing and Prolonged Carrier Lifetime of (CHNH)PbI ₃ under High Pressure. <i>Advanced Science</i> , 2019 , 6, 1900240	13.6	27
208	Ring reconstruction on a trichalcogenasumanene bucky bowl: a facile approach to donor-acceptor-type [5-6-7] fused planar polyheterocycles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 267-71	16.4	27
207	Understanding the unconventional effects of halogenation on the luminescent properties of oligo(phenylene vinylene) molecules. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 3091-100	4.5	27
206	Doping Sumanene with Both Chalcogens and Phosphorus(V): One-Step Synthesis, Coordination, and Selective Response Toward Ag. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3819-3823	16.4	26
205	Strong Two-Photon Excited Fluorescence and Stimulated Emission from an Organic Single Crystal of an Oligo(Phenylene Vinylene). <i>Angewandte Chemie</i> , 2010 , 122, 744-747	3.6	26
204	Photoelectrochemical response from CdSe-sensitized anodic oxidation TiO ₂ nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 604-607	5.1	26
203	Molecular Orientation and Electrochemical Stability of Azobenzene Self-Assembled Monolayers on Gold: An In-Situ FTIR Study. <i>Langmuir</i> , 2000 , 16, 6948-6954	4	26
202	Advances in Doped ZnO Nanostructures for Gas Sensor. <i>Chemical Record</i> , 2020 , 20, 1553-1567	6.6	26
201	Squaraines as light-capturing materials in photovoltaic cells. <i>RSC Advances</i> , 2014 , 4, 32987-32996	3.7	25
200	Fabrication of TiO ₂ nanotubes with extended periodical morphology by alternating-current anodization. <i>Electrochemistry Communications</i> , 2012 , 17, 34-37	5.1	25
199	Can azulene-like molecules function as substitution-free molecular rectifiers?. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 15882-90	3.6	25
198	Shell-Controlled Photoluminescence in CdSe/CNT Nanohybrids. <i>Nanoscale Research Letters</i> , 2009 , 4, 1146-52	5	25

197	Highly enhanced H ₂ S gas sensing and magnetic performances of metal doped hexagonal ZnO monolayer. <i>Vacuum</i> , 2017 , 141, 109-115	3.7	24
196	White emission magnetic nanoparticles as chemosensors for sensitive colorimetric and ratiometric detection, and degradation of ClO ⁻ and SCN ⁻ in aqueous solutions based on a logic gate approach. <i>Nanoscale</i> , 2015 , 7, 11712-9	7.7	24
195	Remarkable nonlinear optical response of pyrazine-fused trichalcogenasumanenes and their application for optical power limiting. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 13114-13119	7.1	24
194	Facile Preparation of Bright-Fluorescent Soft Materials from Small Organic Molecules. <i>Chemistry - A European Journal</i> , 2016 , 22, 8096-104	4.8	23
193	Opening two benzene rings on trichalcogenasumanenes toward high performance organic optical-limiting materials. <i>Chemical Communications</i> , 2018 , 54, 10981-10984	5.8	23
192	Double doping approach for unusually stable and large n-type thermoelectric voltage from p-type multi-walled carbon nanotube mats. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13095-13105	13	22
191	Rational synthesis of Pd nanoparticle-embedded reduced graphene oxide frameworks with enhanced selective catalysis in water. <i>Nanoscale</i> , 2016 , 8, 2787-94	7.7	22
190	The computational design of junctions between carbon nanotubes and graphene nanoribbons. <i>Nanotechnology</i> , 2009 , 20, 225202	3.4	22
189	Electrochemical behavior and determination of gold at chemically modified carbon paste electrode by the ethylenediamine fixed humic acid preparation. <i>Analytica Chimica Acta</i> , 1998 , 361, 133-139	6.6	22
188	Application of self-assembled molecular wires/monolayers for electroanalysis of dopamine. <i>Electrochemistry Communications</i> , 2006 , 8, 1779-1783	5.1	22
187	Ionic selective contact controls the charge accumulation for efficient and intrinsic stable planar homo-junction perovskite solar cells. <i>Nano Energy</i> , 2019 , 66, 104098	17.1	21
186	Singlet fission induced giant optical limiting responses of pentacene derivatives. <i>Materials Horizons</i> , 2015 , 2, 619-624	14.4	21
185	Medium-Bandgap Small-Molecule Donors Compatible with Both Fullerene and Nonfullerene Acceptors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 9587-9594	9.5	21
184	Substrate engineering by hexagonal boron nitride/SiO ₂ for hysteresis-free graphene FETs and large-scale graphene p-n junctions. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2446-52	4.5	21
183	Conformation-controlled electron transport in single-molecule junctions containing oligo(phenylene ethynylene) derivatives. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1901-9	4.5	21
182	High performance CMOS-like inverter based on an ambipolar organic semiconductor and low cost metals. <i>AIP Advances</i> , 2013 , 3, 012101	1.5	21
181	Vinyl-carbon nanotubes for composite polymer materials. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 1915-1920	2.9	21
180	Antibody and DNA dual-labeled gold nanoparticles: Stability and reactivity. <i>Applied Surface Science</i> , 2008 , 254, 2941-2946	6.7	21

179	Study on Two-Component Matrix Formed by Coadsorption of Aromatic and Long Chain Mercaptans on Gold. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 28-36	3.4	21
178	A Stimuli-Responsive Smart Lanthanide Nanocomposite for Multidimensional Optical Recording and Encryption. <i>Angewandte Chemie</i> , 2017 , 129, 2733-2737	3.6	20
177	Benzoindolic squaraine dyes with a large two-photon absorption cross-section. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1224-1230	7.1	20
176	Boosting the Charge Transport Property of Indeno[1,2-b]fluorene-6,12-dione through Incorporation of Sulfur- or Nitrogen-Linked Side Chains. <i>Advanced Functional Materials</i> , 2017 , 27, 1702318	15.6	20
175	Efficient Flexible Perovskite Solar Cells Using Low-Cost Cu Top and Bottom Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26050-26059	9.5	20
174	Tuning the magnetic and transport properties of metal adsorbed graphene by co-adsorption with 1,2-dichlorobenzene. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 11626-32	3.6	20
173	Structural evaluation of azobenzene-functionalized self-assembled monolayers on gold by reflectance FTIR spectroscopy. <i>Chemical Physics Letters</i> , 1997 , 271, 90-94	2.5	20
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