Hao-Li Zhang

List of Publications by Year in Descending Order

322 papers	12,391 citations	56 h-index	98 g-index
344 ext. papers	14,157 ext. citations	7.1 avg, IF	6.63 L-index

#	Paper	IF	Citations
322	Side-Chain Engineering of Conjugated Polymers for High-Performance Organic Field-Effect Transistors.. *Journal of Physical Chemistry Letters*, **2022**, 1131-1146	6.4	3
321	Design of two-dimensional halide perovskite composites for optoelectronic applications and beyond. *Materials Advances*, **2022**, 3, 756-778	3.3	2
320	Defect Engineering of Ultrathin WO3 Nanosheets: Implications for Nonlinear Optoelectronic Devices. *ACS Applied Nano Materials*, **2022**, 5, 1169-1177	5.6	0
319	Synthesis and fluorescence property modulation of □-cyano-1,4-diphenylbutadiene derivatives containing triphenylamine structure. *Dyes and Pigments*, **2022**, 199, 110077	4.6	0
318	Marriage of Heterobuckybowls with Triptycene: Molecular Waterwheels for Separating C60 and C70.. *Chemistry - A European Journal*, **2022**,	4.8	1
317	Ultrafast Generation of Coherent Phonons in Two-Dimensional Bismuthene.. *Journal of Physical Chemistry Letters*, **2022**, 3072-3078	6.4	
316	High-performance five-ring-fused organic semiconductors for field-effect transistors.. *Chemical Society Reviews*, **2022**,	58.5	6
315	Ordered Element Distributed C 3 N Quantum Dots Manipulated Crystallization Kinetics for 2D CsPbI 3 Solar Cells with Ultra-High Performance (Small 15/2022). *Small*, **2022**, 18, 2270075	11	
314	Triplet harvesting aryl carbonyl-based luminescent materials: progress and prospective. *Journal of Materials Chemistry C*, **2021**, 9, 17233-17264	7.1	2
313	Solvent-Assisted Anisotropic Cleavage of Transition Metal Carbide into 2D Nanoflakes. *Small Structures*, **2021**, 2, 2170031	8.7	
312	Two-Dimensional Bismuthene Showing Radiation-Tolerant Third-Order Optical Nonlinearities. *ACS Applied Materials & Interfaces*, **2021**, 13, 21626-21634	9.5	4
311	High performance nonvolatile organic field-effect transistor memory devices based on pyrene diimide derivative. *Informa□□Materi□y*, **2021**, 3, 814-822	23.1	3
310	In Situ Activated Co3□NixO4 as a Highly Active and Ultrastable Electrocatalyst for Hydrogen Generation. *ACS Catalysis*, **2021**, 11, 8174-8182	13.1	13
309	The Renascence of One Ancient Recipe for Synthesizing Luminescent Cs4PbBr6 Microcrystals. *Physica Status Solidi - Rapid Research Letters*, **2021**, 15, 2100169	2.5	
308	Non-fullerene acceptors based on multiple non-covalent interactions for low cost and air stable organic solar cells. *Organic Electronics*, **2021**, 93, 106132	3.5	5
307	Alkylaminomaleimide fluorophores: synthesis via air oxidation and emission modulation by twisted intramolecular charge transfer. *Organic Chemistry Frontiers*, **2021**, 8, 239-248	5.2	5
306	Mass-produced metallic multiwalled carbon nanotube hybrids exhibiting high N-type thermoelectric performances. *Journal of Materials Chemistry A*, **2021**, 9, 3341-3352	13	12

305	Low-Temperature-Deposited TiO2 Nanopillars for Efficient and Flexible Perovskite Solar Cells. *Advanced Materials Interfaces*, **2021**, 8, 2001512	4.6	6
304	Enhanced electrical properties and restrained thermal transport in p- and n-type thermoelectric metal□rganic framework hybrids. *Journal of Materials Chemistry A*, **2021**, 9, 310-319	13	7
303	Highly efficient triplet-triplet annihilation upconversion in high viscosity phthalate ester media. *Dyes and Pigments*, **2021**, 185, 108912	4.6	3
302	Nonvolatile organic field-effect transistor memory from pyrene-fused azaindacene regioisomers. *Journal of Materials Chemistry C*, **2021**, 9, 6560-6567	7.1	0
301	Carbon nano-onion encapsulated cobalt nanoparticles for oxygen reduction and lithium-ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 7227-7237	13	5
300	LIMPID: a versatile method for visualization of brain vascular networks. *Biomaterials Science*, **2021**, 9, 2658-2669	7.4	2
299	Transforming electron-rich hetero-buckybowls into electron-deficient polycycles. *Organic Chemistry Frontiers*, **2021**, 8, 4767-4776	5.2	2
298	Unveiling the dimension-dependence of femtosecond nonlinear optical properties of tellurium nanostructures. *Nanoscale Horizons*, **2021**, 6, 918-927	10.8	1
297	A -Baeyer-Villiger oxidation: one-step transformation of tellurophene into chiral tellurinate lactone. *Chemical Science*, **2021**, 12, 5811-5817	9.4	5
296	observation of the crystal structure transition of Pt-Sn intermetallic nanoparticles during deactivation and regeneration. *Chemical Communications*, **2021**, 57, 5454-5457	5.8	
295	Flexible Solar Cells: Low-Temperature-Deposited TiO2 Nanopillars for Efficient and Flexible Perovskite Solar Cells (Adv. Mater. Interfaces 3/2021). *Advanced Materials Interfaces*, **2021**, 8, 2170016	4.6	1
294	Unfused-ring small molecule acceptors based on A1-D-A2-D-A1 architecture with low non-radiative energy loss and excellent air stability. *Materials Today Energy*, **2021**, 21, 100802	7	2
293	Photodynamic Investigation on the Synergistic Effects of Aromatic Side Chains with Alkylthio Substituents in Nonfullerene Organic Solar Cells. *ACS Applied Energy Materials*, **2021**, 4, 9913-9922	6.1	1
292	Ultra-sensitive triethylamine sensors based on oxygen vacancy-enriched ZnO/SnO2 micro-camellia. *Journal of Materials Chemistry C*, **2021**, 9, 6078-6086	7.1	13
291	Recent Progress in Metal-Free Covalent Organic Frameworks as Heterogeneous Catalysts. *Small*, **2020**, 16, e2001070	11	104
290	Efficient Flexible Perovskite Solar Cells Using Low-Cost Cu Top and Bottom Electrodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 26050-26059	9.5	20
289	Selective Photocatalytic Hydrogenation of □,□Unsaturated Aldehydes on Au/CuCo2O4 Nanotubes under Visible-Light Irradiation. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 8288-8294	8.3	12
288	Facile Fabrication of Highly Uniform Tellurium Nanorods for Self-Powered Flexible Optoelectronics. *Advanced Electronic Materials*, **2020**, 6, 2000240	6.4	5

287	Double doping approach for unusually stable and large n-type thermoelectric voltage from p-type multi-walled carbon nanotube mats. *Journal of Materials Chemistry A*, **2020**, 8, 13095-13105	13	22
286	Strong Band Bowing Effects and Distinctive Optoelectronic Properties of 2H and 1T? Phase-Tunable MoxRe1□S2 Alloys. *Advanced Functional Materials*, **2020**, 30, 2003264	15.6	18
285	NIR-emitting semiconducting polymer nanoparticles for in vivo two-photon vascular imaging. *Biomaterials Science*, **2020**, 8, 2666-2672	7.4	3
284	Lasing from an Organic Micro-Helix. *Angewandte Chemie - International Edition*, **2020**, 59, 11080-11086	16.4	9
283	Lasing from an Organic Micro-Helix. *Angewandte Chemie*, **2020**, 132, 11173-11179	3.6	0
282	A pressure process for efficient and stable perovskite solar cells. *Nano Energy*, **2020**, 77, 105063	17.1	19
281	Turn-on and color-switchable red luminescent liquid crystals based on pyrrolopyrrole derivatives. *Journal of Materials Chemistry C*, **2020**, 8, 11177-11184	7.1	8
280	In Situ Growth of 3D/2D (CsPbBr/CsPbBr) Perovskite Heterojunctions toward Optoelectronic Devices. *Journal of Physical Chemistry Letters*, **2020**, 11, 6007-6015	6.4	33
279	Tetrathiafulvalene-Fused Heterabuckybowl: Protonation-Induced Electron Transfer and Self-Sensitized Photooxidation. *Chemistry - A European Journal*, **2020**, 26, 7083-7091	4.8	7
278	Ultrathin agaric-like ZnO with Pd dopant for aniline sensor and DFT investigation. *Journal of Hazardous Materials*, **2020**, 388, 122069	12.8	28
277	Reversible Thermochromism and Strong Ferromagnetism in Two-Dimensional Hybrid Perovskites. *Angewandte Chemie*, **2020**, 132, 209-214	3.6	14
276	2D Materials in Light: Excited-State Dynamics and Applications. *Chemical Record*, **2020**, 20, 413-428	6.6	5
275	Reversible Thermochromism and Strong Ferromagnetism in Two-Dimensional Hybrid Perovskites. *Angewandte Chemie - International Edition*, **2020**, 59, 203-208	16.4	39
274	Aromaticity and tautomerism of a 4n □electron dihydrohexaazapentacene. *Organic Chemistry Frontiers*, **2020**, 7, 405-413	5.2	3
273	Al doped narcissus-like ZnO for enhanced NO2 sensing performance: An experimental and DFT investigation. *Sensors and Actuators B: Chemical*, **2020**, 305, 127489	8.5	38
272	An irreversible electrolyte anion-doping strategy toward a superior aqueous Zn-organic battery. *Energy Storage Materials*, **2020**, 33, 283-289	19.4	47
271	Crystal Polymorph Control for High-Performance Organic Field-Effect Transistors **2020**,		1
270	Advances in Doped ZnO Nanostructures for Gas Sensor. *Chemical Record*, **2020**, 20, 1553-1567	6.6	26

269	A novel quinolinyl-tetraphenylethene-based fluorescence "turn-on" sensor for Zn2+ with a large Stokes shift and its applications for portable test strips and biological imaging. *Materials Chemistry Frontiers*, **2020**, 4, 3338-3348	7.8	10
268	Tunable nonlinear optical responses and carrier dynamics of two-dimensional antimonene nanosheets. *Nanoscale Horizons*, **2020**, 5, 1420-1429	10.8	6
267	Nonadditive Transport in Multi-Channel Single-Molecule Circuits. *Small*, **2020**, 16, e2002808	11	3
266	2D materials towards ultrafast photonic applications. *Physical Chemistry Chemical Physics*, **2020**, 22, 22140-22156	3.6	17
265	Two-Dimensional Perovskite Chiral Ferromagnets. *Chemistry of Materials*, **2020**, 32, 8914-8920	9.6	37
264	Fluorescence Lifetime-Tunable Water-Resistant Perovskite Quantum Dots for Multidimensional Encryption. *ACS Applied Materials & Interfaces*, **2020**, 12, 43073-43082	9.5	12
263	Antimonene-based flexible photodetector. *Nanoscale Horizons*, **2020**, 5, 124-130	10.8	36
262	Control of Unipolar/Ambipolar Transport in Single-Molecule Transistors through Interface Engineering. *Advanced Electronic Materials*, **2020**, 6, 1901237	6.4	13
261	Ionic selective contact controls the charge accumulation for efficient and intrinsic stable planar homo-junction perovskite solar cells. *Nano Energy*, **2019**, 66, 104098	17.1	21
260	Double-platelet Pd@ZnO microcrystals for NO chemical sensors: their facile synthesis and DFT investigation. *Physical Chemistry Chemical Physics*, **2019**, 21, 22039-22047	3.6	11
259	Doping Sumanene with Both Chalcogens and Phosphorus(V): One-Step Synthesis, Coordination, and Selective Response Toward Ag. *Angewandte Chemie - International Edition*, **2019**, 58, 3819-3823	16.4	26
258	Migratory Shift in Oxidative Cyclodehydrogenation Reaction of Tetraphenylethylenes Containing Electron-Rich THDTAP Moiety. *Chemistry - an Asian Journal*, **2019**, 14, 1860-1869	4.5	6
257	Small-Molecule-Doped Organic Crystals with Long-Persistent Luminescence. *Advanced Functional Materials*, **2019**, 29, 1902503	15.6	50
256	Large Band Gap Narrowing and Prolonged Carrier Lifetime of (CHNH)PbI under High Pressure. *Advanced Science*, **2019**, 6, 1900240	13.6	27
255	Electric field-induced selective catalysis of single-molecule reaction. *Science Advances*, **2019**, 5, eaaw3072	14.3	72
254	Design, synthesis and photoelectrical properties of diphenylamine-containing triphenylamine-based D-D-π-A-type fluorescence dyes. *Tetrahedron Letters*, **2019**, 60, 1803-1807	2	11
253	Construction of Dopamine-Releasing Gold Surfaces Mimicking Presynaptic Membrane by On-Chip Electrochemistry. *Journal of the American Chemical Society*, **2019**, 141, 8816-8824	16.4	9
252	Oxygen vacancies in concave cubes Cu2O-reduced graphene oxide heterojunction with enhanced photocatalytic H2 production. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 7182-7193	2.1	14

251	Hierarchical Graphdiyne@NiFe layered double hydroxide heterostructures as a bifunctional electrocatalyst for overall water splitting. *Journal of Alloys and Compounds*, **2019**, 794, 261-267	5.7	41
250	Nonfullerene All-Small-Molecule Organic Solar Cells. *ACS Energy Letters*, **2019**, 4, 1241-1250	20.1	112
249	Modulation of piezochromic fluorescence behavior by subtle structural change. *Dyes and Pigments*, **2019**, 166, 301-306	4.6	2
248	A benzo[1,2-d:4,5-d?]bisthiazole-based wide-bandgap copolymer semiconductor for efficient fullerene-free organic solar cells with a small energy loss of 0.50 eV. *Journal of Materials Chemistry A*, **2019**, 7, 5234-5238	13	9
247	Organic Memory Devices: 9,10-Imide-Pyrene-Fused Pyrazaacenes (IPPA) as N-Type Doping Materials for High-Performance Nonvolatile Organic Field Effect Transistor Memory Devices (Adv. Electron. Mater. 2/2019). *Advanced Electronic Materials*, **2019**, 5, 1970010	6.4	
246	Doping Sumanene with Both Chalcogens and Phosphorus(V): One-Step Synthesis, Coordination, and Selective Response Toward AgI. *Angewandte Chemie*, **2019**, 131, 3859-3863	3.6	3
245	In situ growth of luminescent perovskite fibers in natural hollow templates. *Chemical Communications*, **2019**, 55, 11056-11058	5.8	6
244	Disentangling the Luminescent Mechanism of CsPbBr Single Crystals from an Ultrafast Dynamics Perspective. *Journal of Physical Chemistry Letters*, **2019**, 10, 6572-6577	6.4	17
243	9,10-Imide-Pyrene-Fused Pyrazaacenes (IPPA) as N-Type Doping Materials for High-Performance Nonvolatile Organic Field Effect Transistor Memory Devices. *Advanced Electronic Materials*, **2019**, 5, 1800598	6.4	16
242	Recent Progress in Thermoelectric Materials Based on Conjugated Polymers. *Polymers*, **2019**, 11,	4.5	126
241	Rational Design of Organic Probes for Turn-On Two-Photon Excited Fluorescence Imaging and Photodynamic Therapy. *CheM*, **2019**, 5, 600-616	16.2	31
240	Reducing aggregation caused quenching effect through co-assembly of PAH chromophores and molecular barriers. *Nature Communications*, **2019**, 10, 169	17.4	178
239	Highly enhanced photocatalytic H evolution of CuO microcube by coupling with TiO nanoparticles. *Nanotechnology*, **2019**, 30, 145401	3.4	28
238	Trichalcogenasumanenes containing various chalcogen atoms: synthesis, structure, properties, and chemical reactivity. *Organic Chemistry Frontiers*, **2019**, 6, 263-272	5.2	16
237	Medium-Bandgap Small-Molecule Donors Compatible with Both Fullerene and Nonfullerene Acceptors. *ACS Applied Materials & Interfaces*, **2018**, 10, 9587-9594	9.5	21
236	Distinguishing Diketopyrrolopyrrole Isomers in Single-Molecule Junctions via Reversible Stimuli-Responsive Quantum Interference. *Journal of the American Chemical Society*, **2018**, 140, 6531-6535	16.4	46
235	Facile synthesis of core□shell Cu2O@ ZnO structure with enhanced photocatalytic H2 production. *Journal of Physics and Chemistry of Solids*, **2018**, 116, 126-130	3.9	9
234	Small molecule donors based on benzodithiophene and diketopyrrolopyrrole compatible with both fullerene and non-fullerene acceptors. *Journal of Materials Chemistry C*, **2018**, 6, 5843-5848	7.1	18

233	Negatively charged 2D black phosphorus for highly efficient covalent functionalization. *Materials Chemistry Frontiers*, **2018**, 2, 1700-1706	7.8	45
232	Evolution of Isoindigo-Based Electron-Deficient Units for Organic Electronics: From Natural Dyes to Organic Semiconductors. *Asian Journal of Organic Chemistry*, **2018**, 7, 2147-2160	3	10
231	Confinement effect of natural hollow fibers enhances flexible supercapacitor electrode performance. *Electrochimica Acta*, **2018**, 260, 204-211	6.7	16
230	Group 6 transition metal dichalcogenide nanomaterials: synthesis, applications and future perspectives. *Nanoscale Horizons*, **2018**, 3, 90-204	10.8	203
229	Remarkable nonlinear optical response of pyrazine-fused trichalcogenasumanenes and their application for optical power limiting. *Journal of Materials Chemistry C*, **2018**, 6, 13114-13119	7.1	24
228	2D bismuthene fabricated via acid-intercalated exfoliation showing strong nonlinear near-infrared responses for mode-locking lasers. *Nanoscale*, **2018**, 10, 21106-21115	7.7	79
227	Dual-Accepting-Unit Design of Donor Material for All-Small-Molecule Organic Solar Cells with Efficiency Approaching 11%. *Chemistry of Materials*, **2018**, 30, 8661-8668	9.6	78
226	Polymer Ionic Liquid Stabilized Black Phosphorus for Environmental Robust Flexible Optoelectronics. *Advanced Functional Materials*, **2018**, 28, 1805311	15.6	41
225	Opening two benzene rings on trichalcogenasumanenes toward high performance organic optical-limiting materials. *Chemical Communications*, **2018**, 54, 10981-10984	5.8	23
224	Construction of Au/CuO/Co3O4 Tricomponent Heterojunction Nanotubes for Enhanced Photocatalytic Oxygen Evolution under Visible Light Irradiation. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 8801-8808	8.3	14
223	Enhancing the Thermal Stability of Organic Field-Effect Transistors by Electrostatically Interlocked 2D Molecular Packing. *Chemistry of Materials*, **2018**, 30, 3638-3642	9.6	16
222	Driving □plane to □bowl through lateral coordination at room temperature. *Materials Chemistry Frontiers*, **2018**, 2, 1456-1461	7.8	14
221	A Stimuli-Responsive Smart Lanthanide Nanocomposite for Multidimensional Optical Recording and Encryption. *Angewandte Chemie - International Edition*, **2017**, 56, 2689-2693	16.4	139
220	A Stimuli-Responsive Smart Lanthanide Nanocomposite for Multidimensional Optical Recording and Encryption. *Angewandte Chemie*, **2017**, 129, 2733-2737	3.6	20
219	Tuning CO sensing properties and magnetism of MoS2 monolayer through anchoring transition metal dopants. *Computational and Theoretical Chemistry*, **2017**, 1104, 12-17	2	17
218	Pyrazine-fused isoindigo: a new building block for polymer solar cells with high open circuit voltage. *Chemical Communications*, **2017**, 53, 5882-5885	5.8	19
217	Solvent-Free Mechanosynthesis of Composition-Tunable Cesium Lead Halide Perovskite Quantum Dots. *Journal of Physical Chemistry Letters*, **2017**, 8, 1610-1614	6.4	130
216	Highly enhanced H2S gas sensing and magnetic performances of metal doped hexagonal ZnO monolayer. *Vacuum*, **2017**, 141, 109-115	3.7	24

215	Monodispersed YF3:Ce3+/Tb3+/Eu3+ mesocrystals: hydrothermal synthesis and optical temperature sensing behavior. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 9489-9494	2.1	9
214	Benzoindolic squaraine dyes with a large two-photon absorption cross-section. *Journal of Materials Chemistry C*, **2017**, 5, 1224-1230	7.1	20
213	Tris(S,S-dioxide)-trithiasumanene: strong fluorescence and cocrystal with 1,2,6,7,10,11-hexabutoxytriphenylene. *Chemical Communications*, **2017**, 53, 1546-1549	5.8	31
212	Mode-locked Tm-doped fiber laser based on iron-doped carbon nitride nanosheets. *Laser Physics Letters*, **2017**, 14, 110002	1.5	4
211	Morphology-controllable Cu2O supercrystals: Facile synthesis, facet etching mechanism and comparative photocatalytic H2 production. *Journal of Alloys and Compounds*, **2017**, 729, 563-570	5.7	27
210	Boosting the Charge Transport Property of Indeno[1,2-b]fluorene-6,12-dione though Incorporation of Sulfur- or Nitrogen-Linked Side Chains. *Advanced Functional Materials*, **2017**, 27, 1702318	15.6	20
209	Trichalcogenasumanene ortho-Quinones: Synthesis, Properties, and Transformation into Various Heteropolycycles. *Angewandte Chemie - International Edition*, **2017**, 56, 13470-13474	16.4	29
208	Trichalcogenasumanene ortho-Quinones: Synthesis, Properties, and Transformation into Various Heteropolycycles. *Angewandte Chemie*, **2017**, 129, 13655-13659	3.6	10
207	Covalent Functionalization of Graphene by Nucleophilic Addition Reaction: Synthesis and Optical-Limiting Properties. *Chemistry - an Asian Journal*, **2017**, 12, 2583-2590	4.5	12
206	Dissecting Trichalcogenasumanenes: Bowl to Planar, Invertible Curvature, and Chiral Polycycles. *Chemistry - A European Journal*, **2017**, 23, 14375-14383	4.8	16
205	4,5,9,10-Pyrene Diimides: A Family of Aromatic Diimides Exhibiting High Electron Mobility and Two-Photon Excited Emission. *Angewandte Chemie - International Edition*, **2017**, 56, 13031-13035	16.4	53
204	4,5,9,10-Pyrene Diimides: A Family of Aromatic Diimides Exhibiting High Electron Mobility and Two-Photon Excited Emission. *Angewandte Chemie*, **2017**, 129, 13211-13215	3.6	19
203	A highly selective two-photon probe with large turn-on signal for imaging endogenous HOCl in living cells. *Dyes and Pigments*, **2017**, 146, 279-286	4.6	9
202	Aryl-fused tetrathianaphthalene (TTN): synthesis, structures, properties, and cocrystals with fullerenes. *RSC Advances*, **2016**, 6, 79978-79986	3.7	5
201	Small molecule-assisted fabrication of black phosphorus quantum dots with a broadband nonlinear optical response. *Nanoscale*, **2016**, 8, 15132-6	7.7	54
200	Partial Oxidized Arsenene: Emerging Tunable Direct Bandgap Semiconductor. *Scientific Reports*, **2016**, 6, 24981	4.9	30
199	Ultrabright organic fluorescent microparticles for in vivo tracing applications. *Journal of Materials Chemistry B*, **2016**, 4, 7226-7232	7.3	7
198	Facile Preparation of Bright-Fluorescent Soft Materials from Small Organic Molecules. *Chemistry - A European Journal*, **2016**, 22, 8096-104	4.8	23

197	An Elaborate Supramolecular Assembly for a Smart Nanodevice for Ratiometric Molecular Recognition and Logic Gates. *Chemistry - A European Journal*, **2016**, 22, 8339-45	4.8	11
196	Strong coupled palladium nanoparticles decorated on magnetic graphene nanosheets as enhanced peroxidase mimetics for colorimetric detection of H2O2. *Dyes and Pigments*, **2016**, 125, 64-71	4.6	40
195	Iron-Doped Carbon Nitride-Type Polymers as Homogeneous Organocatalysts for Visible Light-Driven Hydrogen Evolution. *ACS Applied Materials & Interfaces*, **2016**, 8, 617-24	9.5	114
194	Developing carbon-nitride nanosheets for mode-locking ytterbium fiber lasers. *Optics Letters*, **2016**, 41, 1221-4	3	19
193	A multifunctional nanocomposite for luminescence resonance energy transfer-guided synergistic monitoring and therapy under single near infrared light. *Chemical Communications*, **2016**, 52, 4880-3	5.8	8
192	Color-tunable luminescence, energy transfer and temperature sensing behavior of hexagonal NaYF4:Ce3+/Tb3+/Eu3+ microcrystals. *Journal of Alloys and Compounds*, **2016**, 672, 117-124	5.7	61
191	Rational synthesis of Pd nanoparticle-embedded reduced graphene oxide frameworks with enhanced selective catalysis in water. *Nanoscale*, **2016**, 8, 2787-94	7.7	22
190	In situ preparation of a MOF-derived magnetic carbonaceous catalyst for visible-light-driven hydrogen evolution. *RSC Advances*, **2016**, 6, 2011-2018	3.7	28
189	Recent Progress in Organic-Inorganic Hybrid Perovskite Materials for Luminescence Applications. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2016**, 32, 1894-1912	3.8	6
188	Dendron-Enhanced Emission from 1,4-Bis[2,2-bis(4-alkoxyphenyl)vinyl]benzene Derivatives. *Asian Journal of Organic Chemistry*, **2016**, 5, 786-791	3	1
187	Disentangling the Photocatalytic Hydrogen Evolution Mechanism of One Homogeneous Cobalt-Coordinated Polymer. *Journal of Physical Chemistry C*, **2016**, 120, 28456-28462	3.8	10
186	Phonon-electron coupling and tunneling effect on charge transport in organic semi-conductor crystals of Cn-BTBT. *Journal of Chemical Physics*, **2016**, 145, 104108	3.9	8
185	Self-catalytic membrane photo-reactor made of carbon nitride nanosheets. *Journal of Materials Chemistry A*, **2016**, 4, 11666-11671	13	38
184	Preparation of large size, few-layer black phosphorus nanosheets via phytic acid-assisted liquid exfoliation. *Chemical Communications*, **2016**, 52, 8107-10	5.8	72
183	Azulene-based organic functional molecules for optoelectronics. *Chinese Chemical Letters*, **2016**, 27, 1097-1104	1.1	66
182	Interface coassembly of mesoporous MoS2 based-frameworks for enhanced near-infrared light driven photocatalysis. *Chemical Communications*, **2016**, 52, 6431-4	5.8	34
181	Functionalization of graphene by a TPE-containing polymer using nitrogen-based nucleophiles. *Polymer Chemistry*, **2016**, 7, 4054-4062	4.9	14
180	Excessive Exoergicity Reduces Singlet Exciton Fission Efficiency of Heteroacenes in Solutions. *Journal of the American Chemical Society*, **2016**, 138, 6739-45	16.4	62

179	In-situ Growth of Ultrathin ZIF-67 Nanosheets on Conductive Ti@TiO2/CdS Substrate for High-efficient Electrochemical Catalysis. *Electrochimica Acta*, **2016**, 219, 623-629	6.7	47
178	Determine the Role of Alkyl Chains and Hydrogen Bonds in the Assembling Process of Fused Thiophene Indacene Derivatives by Scanning Tunneling Microscopy and Theoretical Calculation. *Journal of Physical Chemistry C*, **2016**, 120, 21699-21703	3.8	3
177	Lighten the Olympia of the Flatland: Probing and Manipulating the Photonic Properties of 2D Transition-Metal Dichalcogenides. *Small*, **2015**, 11, 3206-20	11	13
176	One-pot synthesis of CoFe2O4/graphene oxide hybrids and their conversion into FeCo/graphene hybrids for lightweight and highly efficient microwave absorber. *Journal of Materials Chemistry A*, **2015**, 3, 5535-5546	13	420
175	Pyrene fused perylene diimides: synthesis, characterization and applications in organic field-effect transistors and optical limiting with high performance. *Chemical Communications*, **2015**, 51, 7156-9	5.8	85
174	Triple-Emitting Dumbbell Fluorescent Nanoprobe for Multicolor Detection and Imaging Applications. *Inorganic Chemistry*, **2015**, 54, 7725-34	5.1	13
173	An atom-scale interfacial coordination strategy to prepare hierarchically porous Fe3O4-graphene frameworks and their application in charge and size selective dye removal. *Chemical Communications*, **2015**, 51, 14405-8	5.8	28
172	Well-controlled layer-by-layer assembly of carbon dot/CdS heterojunctions for efficient visible-light-driven photocatalysis. *Journal of Materials Chemistry A*, **2015**, 3, 16613-16620	13	58
171	Pd nanoparticles encapsulated in magnetic carbon nanocages: an efficient nanoenzyme for the selective detection and multicolor imaging of cancer cells. *Nanoscale*, **2015**, 7, 14393-400	7.7	15
170	A ppb level turn-on fluorescence chemosensor for the detection of Zn2+. *Sensors and Actuators B: Chemical*, **2015**, 220, 659-664	8.5	12
169	Unexpected optical limiting properties from MoS2 nanosheets modified by a semiconductive polymer. *Chemical Communications*, **2015**, 51, 12262-5	5.8	41
168	A strongly coupled Au/Fe3O4/GO hybrid material with enhanced nanozyme activity for highly sensitive colorimetric detection, and rapid and efficient removal of Hg(2+) in aqueous solutions. *Nanoscale*, **2015**, 7, 8495-502	7.7	112
167	Broadband optical limiting response of a graphene-PbS nanohybrid. *Nanoscale*, **2015**, 7, 9268-74	7.7	44
166	Self-Powered Electronics by Integration of Flexible Solid-State Graphene-Based Supercapacitors with High Performance Perovskite Hybrid Solar Cells. *Advanced Functional Materials*, **2015**, 25, 2420-2427	15.6	115
165	Rational design of nitrogen and sulfur co-doped carbon dots for efficient photoelectrical conversion applications. *Journal of Materials Chemistry A*, **2015**, 3, 11287-11293	13	56
164	Tuning the ambipolar charge transport properties of N-heteropentacenes by their frontier molecular orbital energy levels. *Journal of Materials Chemistry C*, **2015**, 3, 4188-4196	7.1	28
163	A general solid-state synthesis of chemically-doped fluorescent graphene quantum dots for bioimaging and optoelectronic applications. *Nanoscale*, **2015**, 7, 10162-9	7.7	85
162	Highly efficient degradation of organic dyes by palladium nanoparticles decorated on 2D magnetic reduced graphene oxide nanosheets. *Dalton Transactions*, **2015**, 44, 9193-9	4.3	65

161	Understanding the Halogenation Effects in Diketopyrrolopyrrole-Based Small Molecule Photovoltaics. *ACS Applied Materials & Interfaces*, **2015**, 7, 19914-22	9.5	33
160	Enhancement of Performance and Mechanism Studies of All-Solution Processed Small-Molecule based Solar Cells with an Inverted Structure. *ACS Applied Materials & Interfaces*, **2015**, 7, 21245-53	9.5	10
159	Singlet fission induced giant optical limiting responses of pentacene derivatives. *Materials Horizons*, **2015**, 2, 619-624	14.4	21
158	Rational design of small indolic squaraine dyes with large two-photon absorption cross section. *Chemical Science*, **2015**, 6, 761-769	9.4	55
157	Ring reconstruction on a trichalcogenasumanene buckybowl: a facile approach to donor-acceptor-type [5-6-7] fused planar polyheterocycles. *Angewandte Chemie - International Edition*, **2015**, 54, 267-71	16.4	27
156	Size-dependent nonlinear optical properties of atomically thin transition metal dichalcogenide nanosheets. *Small*, **2015**, 11, 694-701	11	132
155	The Evidence for Fullerene Aggregation in High-Performance Small-Molecule Solar Cells by Molecular Dynamics Simulation. *Advanced Electronic Materials*, **2015**, 1, 1500217	6.4	16
154	Facile Preparation of □-Cyano-□,□Diaryloligovinylenes: A New Class of Color-Tunable Solid Emitters. *Chemistry - an Asian Journal*, **2015**, 10, 1959-66	4.5	12
153	Rationally Designed Peptide Interface for Potential Modulated Cell Adhesion and Migration. *Advanced Materials Interfaces*, **2015**, 2, 1500335	4.6	8
152	Ring Reconstruction on a Trichalcogenasumanene Buckybowl: A Facile Approach to Donor□Acceptor-Type [5-6-7] Fused Planar Polyheterocycles. *Angewandte Chemie*, **2015**, 127, 269-273	3.6	10
151	Photoactive Graphene □From Functionalization to Applications **2015**,		1
150	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. *Nanoscale*, **2015**, 7, 11712-9	7.7	24
149	Size- and shape-dependent peroxidase-like catalytic activity of MnFe2O4 Nanoparticles and their applications in highly efficient colorimetric detection of target cancer cells. *Dalton Transactions*, **2015**, 44, 12871-7	4.3	56
148	Facilely controlling the F□ster energy transfer efficiency of dendron encapsulated conjugated organic molecular wire□CdSe quantum dot nanostructures. *New Journal of Chemistry*, **2015**, 39, 1916-1921	3.6	2
147	Coordinated assembly of a new 3D mesoporous Fe□□@Cu□-graphene oxide framework as a highly efficient and reusable catalyst for the synthesis of quinoxalines. *Chemical Communications*, **2015**, 51, 5069-72	5.8	28
146	Efficient Perovskite Hybrid Solar Cells Through a Homogeneous High-Quality Organolead Iodide Layer. *Small*, **2015**, 11, 3369-76	11	40
145	Optical Materials: Size-Dependent Nonlinear Optical Properties of Atomically Thin Transition Metal Dichalcogenide Nanosheets (Small 6/2015). *Small*, **2015**, 11, 634-634	11	3
144	One-pot synthesis of highly luminescent carbon quantum dots and their nontoxic ingestion by zebrafish for in vivo imaging. *Chemistry - A European Journal*, **2014**, 20, 5640-8	4.8	62

143	MoS2 nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. *Nanoscale*, **2014**, 6, 5624-9	7.7	281
142	Highly efficient heterogeneous synthesis of benzofurans under aqueous condition. *Tetrahedron*, **2014**, 70, 3798-3806	2.4	19
141	Formal synthesis of (±)-cycloclavine. *Journal of Organic Chemistry*, **2014**, 79, 122-7	4.2	28
140	Decorating tetrathiafulvalene (TTF) with fluorinated phenyls through sulfur bridges: facile synthesis, properties, and aggregation through fluorine interactions. *Chemistry - A European Journal*, **2014**, 20, 9650-6	4.8	12
139	High performance n-type and ambipolar small organic semiconductors for organic thin film transistors. *Physical Chemistry Chemical Physics*, **2014**, 16, 22448-57	3.6	143
138	Squaraines as light-capturing materials in photovoltaic cells. *RSC Advances*, **2014**, 4, 32987-32996	3.7	25
137	Synthesis of di- and trixanthones that display high stability and a visual fluorescence response to strong acid. *Chemistry - an Asian Journal*, **2014**, 9, 3307-12	4.5	5
136	An electrochemically switched smart surface for peptide immobilization and conformation control. *Journal of the American Chemical Society*, **2014**, 136, 11050-6	16.4	13
135	Co@CoO core-shell three-dimensional nano-network for high-performance electrochemical energy storage. *Small*, **2014**, 10, 2618-24	11	46
134	Impact of Intermolecular Distance on Singlet Fission in a Series of TIPS Pentacene Compounds. *Journal of Physical Chemistry Letters*, **2014**, 5, 3451-5	6.4	68
133	Bimagnetic h-Co/h-CoO nanotetrapods: preparation, nanoscale characterization, three-dimensional architecture and their magnetic properties. *Nanoscale*, **2014**, 6, 13710-8	7.7	16
132	Graphene: Synthesis, Characterization, and Applications **2014**, 1-21		0
131	A visualized investigation at the atomic scale of the antitumor effect of magnetic nanomedicine on gastric cancer cells. *Nanomedicine*, **2014**, 9, 1389-402	5.6	5
130	Molecular Packing-Induced Transition between Ambipolar and Unipolar Behavior in Dithiophene-4,9-dione-Containing Organic Semiconductors. *Advanced Functional Materials*, **2014**, 24, 2907-2915	15.6	29
129	Understanding the unconventional effects of halogenation on the luminescent properties of oligo(phenylene vinylene) molecules. *Chemistry - an Asian Journal*, **2013**, 8, 3091-100	4.5	27
128	Substrate engineering by hexagonal boron nitride/SiO2 for hysteresis-free graphene FETs and large-scale graphene p-n junctions. *Chemistry - an Asian Journal*, **2013**, 8, 2446-52	4.5	21
127	A one-step method to produce graphene–Fe3O4 composites and their excellent catalytic activities for three-component coupling of aldehyde, alkyne and amine. *Journal of Materials Chemistry A*, **2013**, 1, 651-656	13	78
126	New molecular probe for the selective detection of zinc ion. *Analyst, The*, **2013**, 138, 5576-9	5	12

125	Full-color tunable organic nanoparticles with FRET-assisted enhanced two-photon excited fluorescence for bio-imaging. *Journal of Materials Chemistry B*, **2013**, 1, 6035-6041	7.3	19
124	Fe3O4graphene hybrids: nanoscale characterization and their enhanced electromagnetic wave absorption in gigahertz range. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	78
123	Improved synthesis of PbSxSe1x ternary alloy nanocrystals and their nonlinear optical properties. *New Journal of Chemistry*, **2013**, 37, 1692	3.6	12
122	Graphene in light: design, synthesis and applications of photo-active graphene and graphene-like materials. *Small*, **2013**, 9, 1266-83	11	105
121	Investigation of an electrochemically switched heterocyclization reaction on gold surface. *Langmuir* , **2013**, 29, 5199-206	4	7
120	A multifunctional nanoprobe based on Au-Fe3O4 nanoparticles for multimodal and ultrasensitive detection of cancer cells. *Chemical Communications*, **2013**, 49, 4938-40	5.8	55
119	Sonication-assisted synthesis of multi-functional gold nanorod/silica coreshell nanostructures. *Journal of Alloys and Compounds*, **2013**, 551, 405-409	5.7	7
118	Free-radical-promoted conversion of graphite oxide into chemically modified graphene. *Chemistry - A European Journal*, **2013**, 19, 5948-54	4.8	15
117	Conformation-controlled electron transport in single-molecule junctions containing oligo(phenylene ethynylene) derivatives. *Chemistry - an Asian Journal*, **2013**, 8, 1901-9	4.5	21
116	A 3N rule for the electronic properties of doped graphene. *Nanotechnology*, **2013**, 24, 225705	3.4	41
115	One-pot polylol synthesis of graphene decorated with size- and density-tunable Fe3O4 nanoparticles for porcine pancreatic lipase immobilization. *Carbon*, **2013**, 60, 488-497	10.4	66
114	Fabrication of microlens arrays by localized hydrolysis in water droplet microreactors. *ACS Applied Materials & Interfaces*, **2013**, 5, 2214-9	9.5	14
113	Solution-processed Fe3O4 magnetic nanoparticle thin film aligned by an external magnetostatic field as a hole extraction layer for polymer solar cells. *ACS Applied Materials & Interfaces*, **2013**, 5, 10325-30	9.5	42
112	A facile phosphine-free method for synthesizing PbSe nanocrystals with strong optical limiting effects. *Chemistry - an Asian Journal*, **2013**, 8, 912-8	4.5	12
111	High performance CMOS-like inverter based on an ambipolar organic semiconductor and low cost metals. *AIP Advances*, **2013**, 3, 012101	1.5	21
110	Fabrication of TiO2 nanotubes with extended periodical morphology by alternating-current anodization. *Electrochemistry Communications*, **2012**, 17, 34-37	5.1	25
109	Synthesis and characterization of new planar butterfly-shaped fused oligothiophenes. *Tetrahedron*, **2012**, 68, 1192-1197	2.4	17
108	Hierarchical patterning of organic molecules for self-referenced vapor sensing. *Journal of Materials Chemistry*, **2012**, 22, 7704		9

107	Enhanced field emission from hydrogenated TiO2 nanotube arrays. *Nanotechnology*, **2012**, 23, 455204	3.4	89
106	Water-miscible organic J-aggregate nanoparticles as efficient two-photon fluorescent nano-probes for bio-imaging. *Journal of Materials Chemistry*, **2012**, 22, 17737		52
105	Segmented magnetic nanofibers for single cell manipulation. *Applied Surface Science*, **2012**, 258, 7530-7535	6.7	19
104	Nanoscale characterization and magnetic property of NiCoCu/Cu multilayer nanowires. *Nanotechnology*, **2012**, 23, 505707	3.4	17
103	Investigating the mechanism of hysteresis effect in graphene electrical field device fabricated on SiO_2 substrates using Raman spectroscopy. *Small*, **2012**, 8, 2833-40	11	101
102	Nanoscale characterization and magnetic reversal mechanism investigation of electrospun $NiFe_2O_4$ multi-particle-chain nanofibres. *Nanoscale*, **2012**, 4, 2754-9	7.7	34
101	Synthesis and Characterization of Planar Five-Ring-Fused Dithiophene-dione. *Chinese Journal of Chemistry*, **2012**, 30, 681-688	4.9	7
100	Tuning the magnetic and transport properties of metal adsorbed graphene by co-adsorption with 1,2-dichlorobenzene. *Physical Chemistry Chemical Physics*, **2012**, 14, 11626-32	3.6	20
99	One-step synthesis of antibody-stabilized aqueous colloids of noble metal nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 404, 112-118	5.1	6
98	Monitoring the layer-by-layer self-assembly of graphene and graphene oxide by spectroscopic ellipsometry. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 508-12	1.3	7
97	Low-threshold nanolasers based on slab-nanocrystals of H-aggregated organic semiconductors. *Advanced Materials*, **2012**, 24, OP216-20	24	78
96	Effect of graphene Fermi level on the Raman scattering intensity of molecules on graphene. *ACS Nano*, **2011**, 5, 5338-44	16.7	151
95	Photoactive graphene sheets prepared by "click" chemistry. *Chemical Communications*, **2011**, 47, 5747-9	5.8	102
94	Theoretical study of the source-drain current and gate leakage current to understand the graphene field-effect transistors. *Physical Chemistry Chemical Physics*, **2011**, 13, 3461-7	3.6	9
93	Sidewall functionalization of carbon nanotubes through electrophilic substitution. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 3385-92	1.3	5
92	Expanding the photoresponse range of TiO2 nanotube arrays by CdS/CdSe/ZnS quantum dots co-modification. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 224, 25-30	4.7	45
91	Distinct exciton migration pathways induced by steric hindrance in Langmuir–Blodgett films of two novel cruciform molecular wires. *Chemical Physics Letters*, **2011**, 518, 65-69	2.5	3
90	Preparation of coaxial TiO2/ZnO nanotube arrays for high-efficiency photo-energy conversion applications. *Electrochemistry Communications*, **2011**, 13, 788-791	5.1	72

89	Modulating the charge-transfer enhancement in GERS using an electrical field under vacuum and an n/p-doping atmosphere. *Small*, **2011**, 7, 2945-52	11	57
88	A Mixed-Solvent Strategy for Efficient Exfoliation of Inorganic Graphene Analogues. *Angewandte Chemie*, **2011**, 123, 11031-11034	3.6	88
87	A mixed-solvent strategy for efficient exfoliation of inorganic graphene analogues. *Angewandte Chemie - International Edition*, **2011**, 50, 10839-42	16.4	715
86	A core-shell strategy for constructing a single-molecule junction. *Chemistry - A European Journal*, **2011**, 17, 8414-23	4.8	18
85	Can azulene-like molecules function as substitution-free molecular rectifiers?. *Physical Chemistry Chemical Physics*, **2011**, 13, 15882-90	3.6	25
84	Synthesis of tetrachloro-azapentacene as an ambipolar organic semiconductor with high and balanced carrier mobilities. *Organic Letters*, **2011**, 13, 2880-3	6.2	78
83	Transport properties and mechanism of C60 coupled to carbon nanotube electrode. *Physica B: Condensed Matter*, **2011**, 406, 2138-2142	2.8	6
82	Facile patterning of upconversion NaYF4:Yb,Er nanoparticles. *Journal of Colloid and Interface Science*, **2011**, 353, 569-73	9.3	18
81	High spatial resolution label-free detection of antigen-antibody binding on patterned surface by imaging ellipsometry. *Journal of Colloid and Interface Science*, **2011**, 360, 826-33	9.3	8
80	Dimethyl 2,5-bis-(5-hexyl-thio-phen-2-yl)benzene-1,4-dioate. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o1059		0
79	The Faraday rotation angle of Ni nanowire arrays: its dependence on photon energy and nanowire size. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 8561-7	1.3	
78	Improving the anti-tumor effect of genistein with a biocompatible superparamagnetic drug delivery system. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 2325-31	1.3	53
77	Effects of Stone-Wales defect on the interactions between NH3, NO2 and graphene. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 7347-50	1.3	18
76	Tuning the electronic structure and transport properties of graphene by noncovalent functionalization: effects of organic donor, acceptor and metal atoms. *Nanotechnology*, **2010**, 21, 065201	3.4	104
75	High and balanced hole and electron mobilities from ambipolar thin-film transistors based on nitrogen-containing oligoacences. *Journal of the American Chemical Society*, **2010**, 132, 16349-51	16.4	203
74	Synthesis of 1,4-bis[2,2-bis(4-alkoxyphenyl)vinyl]benzenes and side chain modulation of their solid-state emission. *Organic Letters*, **2010**, 12, 4364-7	6.2	33
73	Chemical approaches towards single-species single-walled carbon nanotubes. *Nanoscale*, **2010**, 2, 1901-18	7.7	38
72	Can graphene be used as a substrate for Raman enhancement?. *Nano Letters*, **2010**, 10, 553-61	11.5	771

71	Redox Behavior and Ion-Pairing Thermodynamics of Ferrocene and Its Derivatives in the Organic Phase. *Journal of Physical Chemistry C*, **2010**, 114, 617-621	3.8	13
70	Strong Two-Photon Excited Fluorescence and Stimulated Emission from an Organic Single Crystal of an Oligo(Phenylene Vinylene). *Angewandte Chemie*, **2010**, 122, 744-747	3.6	26
69	Strong two-photon excited fluorescence and stimulated emission from an organic single crystal of an oligo(phenylene vinylene). *Angewandte Chemie - International Edition*, **2010**, 49, 732-5	16.4	112
68	Parametric optimization of micro-contact printing based thermal transfer of electrospun nanofibers. *Microelectronic Engineering*, **2010**, 87, 2513-2517	2.5	7
67	Nanomolar detection of dopamine in the presence of ascorbic acid at Ecyclodextrin/graphene nanocomposite platform. *Electrochemistry Communications*, **2010**, 12, 557-560	5.1	170
66	Monitoring human telomere DNA hybridization and G-quadruplex formation using gold nanorods. *Analytica Chimica Acta*, **2010**, 668, 208-14	6.6	35
65	Effects of dopant and defect on the adsorption of carbon monoxide on graphitic boron nitride sheet: A first-principles study. *Chemical Physics Letters*, **2010**, 484, 266-270	2.5	77
64	2-(Naphthalen-2-yl)azulene. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o592-3		
63	HIGHLY ORDERED MICRO-ARRAYS OF CdSe QUANTUM DOTS ON CHEMICALLY PATTERNED SUBSTRATES. *International Journal of Nanoscience*, **2009**, 08, 119-122	0.6	
62	Shell-Controlled Photoluminescence in CdSe/CNT Nanohybrids. *Nanoscale Research Letters*, **2009**, 4, 1146-52	3	25
61	Voltage-dependent morphology, wettability and photocurrent response of anodic porous titanium dioxide films. *Microporous and Mesoporous Materials*, **2009**, 119, 75-81	5.3	17
60	Selective interaction of a soluble pentacene derivative with metallic single-walled carbon nanotubes. *Chemical Physics Letters*, **2009**, 471, 97-102	2.5	6
59	Improving gas sensing properties of graphene by introducing dopants and defects: a first-principles study. *Nanotechnology*, **2009**, 20, 185504	3.4	732
58	Surface plasmon Raman scattering studies of liquid crystal anchoring on liquid-crystal-based self-assembled monolayers. *Journal of Physical Chemistry B*, **2009**, 113, 15550-7	3.4	9
57	FIRST PRINCIPLES STUDY OF CYTOSINE ADSORPTION ON GRAPHENE. *International Journal of Nanoscience*, **2009**, 08, 5-8	0.6	4
56	Tandem extraction strategy for separation of metallic and semiconducting SWCNTs using condensed benzenoid molecules: effects of molecular morphology and solvent. *Physical Chemistry Chemical Physics*, **2009**, 11, 7257-67	3.6	14
55	The computational design of junctions between carbon nanotubes and graphene nanoribbons. *Nanotechnology*, **2009**, 20, 225202	3.4	22
54	New oligothiophene-pentacene hybrids as highly stable and soluble organic semiconductors. *Organic Letters*, **2009**, 11, 2563-6	6.2	42

53	Dye assisted separation of single wall carbon nanotubes. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 1254-7	1.3	3
52	Micron scale and nanoscale structure of mesoporous silica thin films. *Journal of Non-Crystalline Solids*, **2008**, 354, 3072-3077	3.9	3
51	Highly ordered fluorescent rings by breath figures on patterned substrates using polymer-free CdSe quantum dots. *Journal of Materials Chemistry*, **2008**, 18, 2660		40
50	Ab initioinvestigations of the transport properties of Haeckelite nanotubes. *Journal of Physics Condensed Matter*, **2008**, 20, 415207	1.8	5
49	Theoretical investigation on molecular rectification on the basis of asymmetric substitution and proton transfer reaction. *Journal of Chemical Physics*, **2008**, 129, 224704	3.9	48
48	Vinyl carbon nanotubes for composite polymer materials. *Journal of Applied Polymer Science*, **2008**, 110, 1915-1920	2.9	21
47	Antibody and DNA dual-labeled gold nanoparticles: Stability and reactivity. *Applied Surface Science*, **2008**, 254, 2941-2946	6.7	21
46	Shell dominated molecular packing in dendrimer encapsulated core shell molecular wires. *Chemical Physics Letters*, **2008**, 461, 271-275	2.5	8
45	Structure dependent interaction between organic dyes and carbon nanotubes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 313-314, 9-12	5.1	67
44	Synthesis and self-assembly of dendrimer functionalized molecular wires. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 313-314, 316-319	5.1	2
43	Photoelectrochemical response from CdSe-sensitized anodic oxidation TiO2 nanotubes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 313-314, 604-607	5.1	26
42	Synthesis of oligo(phenylene ethynylene)s with dendrimer "shells" for molecular electronics. *Organic Letters*, **2007**, 9, 595-8	6.2	41
41	Structures and properties of Si6N8 clusters: Genetic algorithm and density functional theory approach. *Computational and Theoretical Chemistry*, **2007**, 805, 161-166		4
40	Controlling the micro/nanostructure of self-cleaning polymer coating. *Applied Surface Science*, **2007**, 253, 8830-8834	6.7	38
39	Solution processed pentacene thin films and their structural properties. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2007**, 140, 1-4	3.1	12
38	Application of self-assembled molecular wires monolayers for electroanalysis of dopamine. *Electrochemistry Communications*, **2006**, 8, 1779-1783	5.1	22
37	Novel cyanoterphenyl self-assembly monolayers on Au(111) studied by ellipsometry, x-ray photoelectron spectroscopy, and vibrational spectroscopies. *Journal of Chemical Physics*, **2005**, 122, 224707	3.9	11
36	Spontaneous Formation of Ordered Lateral Patterns in Polymer Thin-Film Structures. *Advanced Functional Materials*, **2004**, 14, 1081-1088	15.6	60

35	Large area ordered lateral patterns in confined polymer thin films. *European Polymer Journal*, **2004**, 40, 981-986	5.2	18
34	Uniform Nanoscopic Polystyrene Patterns Produced from a Microscopic Mold. *Nano Letters*, **2004**, 4, 1513-1519	11.5	34
33	Spectroscopic Ellipsometric Evaluation of Gold Nanoparticle Thin Films Fabricated Using Layer-by-Layer Self-Assembly. *Advanced Materials*, **2003**, 15, 531-534	24	40
32	Surface functionalisation for the self-assembly of nanoparticle/polymer multilayer films. *Thin Solid Films*, **2003**, 426, 31-39	2.2	48
31	Fabrication and Characterization of Self-Assembled Nanoparticle/Polyelectrolyte Multilayer Films. *Journal of Physical Chemistry B*, **2003**, 107, 13557-62	3.4	29
30	Spectroscopic Characterization of Gold Nanoparticles Passivated by Mercaptopyridine and Mercaptopyrimidine Derivatives. *Journal of Physical Chemistry B*, **2003**, 107, 6087-6095	3.4	63
29	Hybrid silicon□rganic nanoparticle memory device. *Journal of Applied Physics*, **2003**, 94, 5234	2.5	91
28	Study on the delicate nanostructures formed on Au(111) by scanning tunneling microscopy (STM). *Microelectronic Engineering*, **2002**, 63, 381-389	2.5	6
27	Vapour sensing using surface functionalized gold nanoparticles. *Nanotechnology*, **2002**, 13, 439-444	3.4	98
26	Magnetic properties and magnetization reversal of □-Fe nanowires deposited in alumina film. *Journal of Applied Physics*, **2000**, 87, 7405-7408	2.5	157
25	Molecular Orientation and Electrochemical Stability of Azobenzene Self-Assembled Monolayers on Gold:□An In-Situ FTIR Study. *Langmuir*, **2000**, 16, 6948-6954	4	26
24	Study on Two-Component Matrix Formed by Coadsorption of Aromatic and Long Chain Mercaptans on Gold. *Journal of Physical Chemistry B*, **2000**, 104, 28-36	3.4	21
23	Structural investigation of a new series of azobenzene-containing self-assembled monolayers on gold. *Materials Science and Engineering C*, **1999**, 8-9, 179-185	8.3	13
22	Study on the surface dissociation properties of 6-(10-mercaptodecaoxyl)quinoline self-assembled monolayer on gold by chemical force titration. *Materials Science and Engineering C*, **1999**, 8-9, 191-194	8.3	5
21	The 6-(10-Mercaptodecoxyl)quinoline Self-Assembled Monolayer on Gold: Spectroscopy and Wettability Investigation. *Journal of Colloid and Interface Science*, **1999**, 214, 46-52	9.3	4
20	Microporous Aluminum Oxide Membrane-Based Optical Interferometric Sensor. *Molecular Crystals and Liquid Crystals*, **1999**, 337, 489-492		1
19	Surface-Enhanced Raman Scattering (SERS) from Azobenzene Self-Assembled □andwiches□ *Langmuir*, **1999**, 15, 16-19	4	85
18	Electrochemical behavior and determination of gold at chemically modified carbon paste electrode by the ethylenediamine fixed humic acid preparation. *Analytica Chimica Acta*, **1998**, 361, 133-139	6.6	22

17	Formation kinetics and electrochemical behavior of an azobenzene self-assembled monolayer on a gold electrode. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1998**, 102, 111-117		5
16	Adsorption of amide-containing alkanethiols on gold. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1998**, 102, 701-703		5
15	Effect of the molecular interaction on molecular packing and orientation in azobenzene-functionalized self-assembled monolayers on gold. *Thin Solid Films*, **1998**, 327-329, 195-198	2.2	8
14	Studies on the Surface-Enhanced Infrared Spectroscopy of Langmuir□Blodgett Monolayers of Azobenzene Carboxylic Acid on Silver Island Films. *Langmuir*, **1998**, 14, 5521-5525	4	12
13	Monitoring Electron Transfer in an Azobenzene Self-Assembled Monolayer by in Situ Infrared Reflection Absorption Spectroscopy. *Langmuir*, **1998**, 14, 619-624	4	30
12	Fabrication and Structural Characterization of Azobenzene Monolayer on Silver Island Films By LB and SA Techniques. *Molecular Crystals and Liquid Crystals*, **1998**, 314, 297-302		
11	State of the Tunneling Mechanism for Long Range Electron Transfer in Azobenzene Self-assembled Monolayers. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **1998**, 14, 772-777	3.8	2
10	Effect of Hydrogen Bonding on the Stability of Thiol Self-Assembled Monolayers (SAMs) on Gold. *Chemistry Letters*, **1997**, 26, 721-722	1.7	9
9	Structural evaluation of azobenzene-functionalized self-assembled monolayers on gold by reflectance FTIR spectroscopy. *Chemical Physics Letters*, **1997**, 271, 90-94	2.5	20
8	Force Titration of Self-Assembled Monolayer Using Chemical Force Microscopy. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **1997**, 13, 293-296	3.8	7
7	New Approach on the Synthesis of Functionalized Alkanethiols and the Structural Characterization of Their Self-Assembled Monolayers. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **1997**, 13, 515-524	3.8	3
6	Solid additives in organic solar cells: progress and perspectives. *Journal of Materials Chemistry C*,	7.1	6
5	The Control of Intramolecular Through-Bond and Through-Space Coupling in Single-Molecule Junctions. *CCS Chemistry*,929-937	7.2	9
4	Solvent-Assisted Anisotropic Cleavage of Transition Metal Carbide into 2D Nanoflakes. *Small Structures*,2100039	8.7	2
3	N-methyl-2-pyrrolidone Iodide as Functional Precursor Additive for Record Efficiency 2D Ruddlesden-Popper (PEA)2(Cs)n□1PbnI3n+1 Solar Cells. *Advanced Functional Materials*,2106380	15.6	5
2	Boosting Cascade Electron Transfer for Highly Efficient CO2 Photoreduction. *Solar Rrl*,2100558	7.1	3
1	Dehydro-Diels□Alder reaction and diamondization of bowl-shaped clusters C18Te3Br4(Bu-O)6. *Nano Research*,1	10	0