Xiaoyong Zhang

List of Publications by Citations

410 papers	22,868 citations	81 h-index	136 g-index
419 ext. papers	24,736 ext. citations	6.7 avg, IF	7.11 L-index

#	Paper	IF	Citations
410	Recent advances in organic mechanofluorochromic materials. *Chemical Society Reviews*, **2012**, 41, 3878-96	38.5	1382
409	Distribution and biocompatibility studies of graphene oxide in mice after intravenous administration. *Carbon*, **2011**, 49, 986-995	10.4	570
408	Recent advances in mechanochromic luminescent metal complexes. *Journal of Materials Chemistry C*, **2013**, 1, 3376	7.1	506
407	Polymeric AIE-based nanoprobes for biomedical applications: recent advances and perspectives. *Nanoscale*, **2015**, 7, 11486-508	7.7	453
406	Biocompatible polydopamine fluorescent organic nanoparticles: facile preparation and cell imaging. *Nanoscale*, **2012**, 4, 5581-4	7.7	428
405	Recent developments in polydopamine: an emerging soft matter for surface modification and biomedical applications. *Nanoscale*, **2016**, 8, 16819-16840	7.7	421
404	A comparative study of cellular uptake and cytotoxicity of multi-walled carbon nanotubes, graphene oxide, and nanodiamond. *Toxicology Research*, **2012**, 1, 62-68	2.6	384
403	Aggregation induced emission-based fluorescent nanoparticles: fabrication methodologies and biomedical applications. *Journal of Materials Chemistry B*, **2014**, 2, 4398-4414	7.3	293
402	Mussel-inspired chemistry and Michael addition reaction for efficient oil/water separation. *ACS Applied Materials & Interfaces*, **2013**, 5, 4438-42	9.5	282
401	Piezofluorochromism of an aggregation-induced emission compound derived from tetraphenylethylene. *Chemistry - an Asian Journal*, **2011**, 6, 808-11	4.5	281
400	Preparation of amine functionalized carbon nanotubes via a bioinspired strategy and their application in Cu2+ removal. *Applied Surface Science*, **2015**, 343, 19-27	6.7	279
399	End-group effects of piezofluorochromic aggregation-induced enhanced emission compounds containing distyrylanthracene. *Journal of Materials Chemistry*, **2012**, 22, 18505		260
398	Mussel-inspired fabrication of functional materials and their environmental applications: Progress and prospects. *Applied Materials Today*, **2017**, 7, 222-238	6.6	248
397	Piezofluorochromic properties and mechanism of an aggregation-induced emission enhancement compound containing N-hexyl-phenothiazine and anthracene moieties. *Journal of Physical Chemistry B*, **2011**, 115, 7606-11	3.4	246
396	A magnetic self-healing hydrogel. *Chemical Communications*, **2012**, 48, 9305-7	5.8	245
395	Facilely prepared inexpensive and biocompatible self-healing hydrogel: a new injectable cell therapy carrier. *Polymer Chemistry*, **2012**, 3, 3235	4.9	244
394	Self-polymerization of dopamine and polyethyleneimine: novel fluorescent organic nanoprobes for biological imaging applications. *Journal of Materials Chemistry B*, **2015**, 3, 3476-3482	7.3	240

393	Surfactant modification of aggregation-induced emission material as biocompatible nanoparticles: facile preparation and cell imaging. *Nanoscale*, **2013**, 5, 147-50	7.7	223
392	Fabrication of aggregation induced emission dye-based fluorescent organic nanoparticles via emulsion polymerization and their cell imaging applications. *Polymer Chemistry*, **2014**, 5, 399-404	4.9	217
391	Multifunctional organic fluorescent materials derived from 9,10-distyrylanthracene with alkoxyl endgroups of various lengths. *Chemical Communications*, **2012**, 48, 10895-7	5.8	212
390	Preparation of High-Performance Ionogels with Excellent Transparency, Good Mechanical Strength, and High Conductivity. *Advanced Materials*, **2017**, 29, 1704253	24	207
389	Polymerizable aggregation-induced emission dye-based fluorescent nanoparticles for cell imaging applications. *Polymer Chemistry*, **2014**, 5, 356-360	4.9	206
388	Surface functionalized SiO nanoparticles with cationic polymers via the combination of mussel inspired chemistry and surface initiated atom transfer radical polymerization: Characterization and enhanced removal of organic dye. *Journal of Colloid and Interface Science*, **2017**, 499, 170-179	9.3	205
387	New thermally stable piezofluorochromic aggregation-induced emission compounds. *Organic Letters*, **2011**, 13, 556-9	6.2	202
386	Carbon nanotube□itrimer composite for facile and efficient photo-welding of epoxy. *Chemical Science*, **2014**, 5, 3486-3492	9.4	201
385	Triphenylethylene carbazole derivatives as a new class of AIE materials with strong blue light emission and high glass transition temperature. *Journal of Materials Chemistry*, **2009**, 19, 5541		194
384	Facile incorporation of aggregation-induced emission materials into mesoporous silica nanoparticles for intracellular imaging and cancer therapy. *ACS Applied Materials & Interfaces*, **2013**, 5, 1943-7	9.5	192
383	Facile preparation of MoS2 based polymer composites via mussel inspired chemistry and their high efficiency for removal of organic dyes. *Applied Surface Science*, **2017**, 419, 35-44	6.7	190
382	Nanodiamonds as intracellular transporters of chemotherapeutic drug. *Biomaterials*, **2010**, 31, 8410-8	15.6	177
381	Recent Advances and Progress on Melanin-like Materials and Their Biomedical Applications. *Biomacromolecules*, **2018**, 19, 1858-1868	6.9	168
380	Surfactant-dispersed nanodiamond: biocompatibility evaluation and drug delivery applications. *Toxicology Research*, **2013**, 2, 335	2.6	167
379	Interaction of tannic acid with carbon nanotubes: enhancement of dispersibility and biocompatibility. *Toxicology Research*, **2015**, 4, 160-168	2.6	166
378	Recent progress and development on polymeric nanomaterials for photothermal therapy: a brief overview. *Journal of Materials Chemistry B*, **2017**, 5, 194-206	7.3	165
377	Biodistribution and toxicity of nanodiamonds in mice after intratracheal instillation. *Toxicology Letters*, **2010**, 198, 237-43	4.4	164
376	Aggregation-induced emission enhancement compounds containing triphenylamine-anthrylenevinylene and tetraphenylethene moieties. *Journal of Materials Chemistry*, **2011**, 21, 3760		163

375	Highly Conductive, Air-Stable Silver Nanowire@Iongel Composite Films toward Flexible Transparent Electrodes. *Advanced Materials*, **2016**, 28, 7167-72	24	163
374	Carbon-dots derived from nanodiamond: photoluminescence tunable nanoparticles for cell imaging. *Journal of Colloid and Interface Science*, **2013**, 397, 39-44	9.3	161
373	New thermally stable aggregation-induced emission enhancement compounds for non-doped red organic light-emitting diodes. *Chemical Communications*, **2011**, 47, 11273-5	5.8	158
372	Cellular responses of aniline oligomers: a preliminary study. *Toxicology Research*, **2012**, 1, 201	2.6	157
371	Synthesis and properties of novel aggregation-induced emission compounds with combined tetraphenylethylene and dicarbazolyl triphenylethylene moieties. *Journal of Materials Chemistry*, **2011**, 21, 1788-1796		157
370	A new ligand and its complex with multi-stimuli-responsive and aggregation-induced emission effects. *Chemical Communications*, **2011**, 47, 11080-2	5.8	156
369	Effects of serum proteins on intracellular uptake and cytotoxicity of carbon nanoparticles. *Carbon*, **2009**, 47, 1351-1358	10.4	148
368	A facile one-pot Mannich reaction for the construction of fluorescent polymeric nanoparticles with aggregation-induced emission feature and their biological imaging. *Materials Science and Engineering C*, **2017**, 81, 416-421	8.3	144
367	Facile synthesis of polymeric fluorescent organic nanoparticles based on the self-polymerization of dopamine for biological imaging. *Materials Science and Engineering C*, **2017**, 77, 972-977	8.3	139
366	Metal-free organic dyes derived from triphenylethylene for dye-sensitized solar cells: tuning of the performance by phenothiazine and carbazole. *Journal of Materials Chemistry*, **2012**, 22, 8994		138
365	Fluoridated HAp:Ln3+ (Ln = Eu or Tb) nanoparticles for cell-imaging. *Nanoscale*, **2012**, 4, 6967-70	7.7	137
364	Piezofluorochromic and aggregation-induced-emission compounds containing triphenylethylene and tetraphenylethylene moieties. *Chemistry - an Asian Journal*, **2011**, 6, 1470-8	4.5	136
363	Aggregation-induced emission active luminescent polymeric nanoparticles: Non-covalent fabrication methodologies and biomedical applications. *Applied Materials Today*, **2017**, 9, 145-160	6.6	135
362	Microwave-assisted multicomponent reactions for rapid synthesis of AIE-active fluorescent polymeric nanoparticles by post-polymerization method. *Materials Science and Engineering C*, **2017**, 80, 578-583	8.3	133
361	Recent advances and progress of fluorescent bio-/chemosensors based on aggregation-induced emission molecules. *Dyes and Pigments*, **2019**, 162, 611-623	4.6	128
360	Influence of Carbazolyl Groups on Properties of Piezofluorochromic Aggregation-Enhanced Emission Compounds Containing Distyrylanthracene. *Journal of Physical Chemistry C*, **2012**, 116, 23629-23638	3.8	126
359	Mercury ion responsive wettability and oil/water separation. *ACS Applied Materials & Interfaces* , **2014**, 6, 13324-9	9.5	124
358	Facile fabrication of luminescent polymeric nanoparticles containing dynamic linkages via a one-pot multicomponent reaction: Synthesis, aggregation-induced emission and biological imaging. *Materials Science and Engineering C*, **2017**, 80, 708-714	8.3	124

357	PEGylation and polyPEGylation of nanodiamond. *Polymer*, **2012**, 53, 3178-3184	3.9	124
356	Preparation of AIE-active fluorescent polymeric nanoparticles through a catalyst-free thiol-yne click reaction for bioimaging applications. *Materials Science and Engineering C*, **2017**, 80, 411-416	8.3	120
355	Cross-linkable aggregation induced emission dye based red fluorescent organic nanoparticles and their cell imaging applications. *Polymer Chemistry*, **2013**, 4, 5060	4.9	119
354	Facile preparation and cell imaging applications of fluorescent organic nanoparticles that combine AIE dye and ring-opening polymerization. *Polymer Chemistry*, **2014**, 5, 318-322	4.9	111
353	Facile fabrication and cell imaging applications of aggregation-induced emission dye-based fluorescent organic nanoparticles. *Polymer Chemistry*, **2013**, 4, 4317	4.9	110
352	Tetraphenylethene-based aggregation-induced emission fluorescent organic nanoparticles: facile preparation and cell imaging application. *Colloids and Surfaces B: Biointerfaces*, **2013**, 112, 81-6	6	107
351	Surface modification and drug delivery applications of MoS2 nanosheets with polymers through the combination of mussel inspired chemistry and SET-LRP. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 82, 205-213	5.3	105
350	Preparation of water soluble and biocompatible AIE-active fluorescent organic nanoparticles via multicomponent reaction and their biological imaging capability. *Chemical Engineering Journal*, **2017**, 308, 527-534	14.7	100
349	Functionalization of carbon nanotubes with chitosan based on MALI multicomponent reaction for Cu removal. *International Journal of Biological Macromolecules*, **2019**, 136, 476-485	7.9	98
348	PolyPEGylated nanodiamond for intracellular delivery of a chemotherapeutic drug. *Polymer Chemistry*, **2012**, 3, 2716	4.9	98
347	Direct encapsulation of AIE-active dye with □-cyclodextrin terminated polymers: Self-assembly and biological imaging. *Materials Science and Engineering C*, **2017**, 78, 862-867	8.3	97
346	A multi-sensing fluorescent compound derived from cyanoacrylic acid. *Journal of Materials Chemistry*, **2010**, 20, 292-298		97
345	PEGylation and cell imaging applications of AIE based fluorescent organic nanoparticles via ring-opening reaction. *Polymer Chemistry*, **2014**, 5, 689-693	4.9	96
344	Synthesis and cell imaging applications of amphiphilic AIE-active poly(amino acid)s. *Materials Science and Engineering C*, **2017**, 79, 563-569	8.3	94
343	Piezofluorochromism and morphology of a new aggregation-induced emission compound derived from tetraphenylethylene and carbazole. *New Journal of Chemistry*, **2012**, 36, 685-693	3.6	94
342	Polydopamine coated shape memory polymer: enabling light triggered shape recovery, light controlled shape reprogramming and surface functionalization. *Chemical Science*, **2016**, 7, 4741-4747	9.4	94
341	Recent progress and advances in redox-responsive polymers as controlled delivery nanoplatforms. *Materials Chemistry Frontiers*, **2017**, 1, 807-822	7.8	93
340	PEGylation of fluoridated hydroxyapatite (FAp):Ln3+ nanorods for cell imaging. *Polymer Chemistry*, **2013**, 4, 4120	4.9	93

339	Facile preparation of fluorescent nanodiamond-based polymer composites through a metal-free photo-initiated RAFT process and their cellular imaging. *Chemical Engineering Journal*, **2018**, 337, 82-90	14.7	92
338	Facile construction and biological imaging of cross-linked fluorescent organic nanoparticles with aggregation-induced emission feature through a catalyst-free azide-alkyne click reaction. *Dyes and Pigments*, **2018**, 148, 52-60	4.6	92
337	Facile synthesis of AIE-active amphiphilic polymers: Self-assembly and biological imaging applications. *Materials Science and Engineering C*, **2016**, 66, 215-220	8.3	90
336	A new class of red fluorescent organic nanoparticles: noncovalent fabrication and cell imaging applications. *ACS Applied Materials & Interfaces*, **2014**, 6, 3600-6	9.5	88
335	New aggregation-induced emission enhancement materials combined triarylamine and dicarbazolyl triphenylethylene moieties. *Journal of Materials Chemistry*, **2010**, 20, 6103		88
334	Recent progress and advances in the environmental applications of MXene related materials. *Nanoscale*, **2020**, 12, 3574-3592	7.7	88
333	Facile preparation of carbon nanotubes based carboxymethyl chitosan nanocomposites through combination of mussel inspired chemistry and Michael addition reaction: Characterization and improved Cu2+ removal capability. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 68, 446-454	5.3	86
332	A novel method for preparing AIE dye based cross-linked fluorescent polymeric nanoparticles for cell imaging. *Polymer Chemistry*, **2014**, 5, 683-688	4.9	85
331	Recent development and prospects of surface modification and biomedical applications of MXenes. *Nanoscale*, **2020**, 12, 1325-1338	7.7	85
330	High-Tg carbazole derivatives as a new class of aggregation-induced emission enhancement materials. *Journal of Materials Chemistry*, **2010**, 20, 7352		83
329	Synthesis and Properties of Aggregation-Induced Emission Compounds Containing Triphenylethene and Tetraphenylethene Moieties. *Journal of Physical Chemistry C*, **2011**, 115, 17574-17581	3.8	81
328	Aggregation-induced emission material based fluorescent organic nanoparticles: facile PEGylation and cell imaging applications. *RSC Advances*, **2013**, 3, 9633	3.7	80
327	Synthesis of blue light emitting bis(triphenylethylene) derivatives: A case of aggregation-induced emission enhancement. *Dyes and Pigments*, **2011**, 89, 56-62	4.6	80
326	Surface modification of carbon nanotubes by combination of mussel inspired chemistry and SET-LRP. *Polymer Chemistry*, **2015**, 6, 1786-1792	4.9	79
325	Wettability and Applications of Nanochannels. *Advanced Materials*, **2019**, 31, e1804508	24	79
324	Amphiphilic fluorescent copolymers via one-pot combination of chemoenzymatic transesterification and RAFT polymerization: synthesis, self-assembly and cell imaging. *Polymer Chemistry*, **2015**, 6, 607-612	4.9	77
323	Combining mussel-inspired chemistry and the Michael addition reaction to disperse carbon nanotubes. *RSC Advances*, **2012**, 2, 12153	3.7	77
322	Bioinspired functionalization of MXenes (Ti3C2TX) with amino acids for efficient removal of heavy metal ions. *Applied Surface Science*, **2020**, 504, 144603	6.7	77

321	A facile surface modification strategy for fabrication of fluorescent silica nanoparticles with the aggregation-induced emission dye through surface-initiated cationic ring opening polymerization. *Materials Science and Engineering C*, **2019**, 94, 270-278	8.3	77
320	Size tunable fluorescent nano-graphite oxides: preparation and cell imaging applications. *Physical Chemistry Chemical Physics*, **2013**, 15, 19013-8	3.6	76
319	Facile modification of nanodiamonds with hyperbranched polymers based on supramolecular chemistry and their potential for drug delivery. *Journal of Colloid and Interface Science*, **2018**, 513, 198-204	9.3	76
318	Influence of polyethylene glycol coating on biodistribution and toxicity of nanoscale graphene oxide in mice after intravenous injection. *International Journal of Nanomedicine*, **2014**, 9, 4697-707	7.3	74
317	Marrying multicomponent reactions and aggregation-induced emission (AIE): new directions for fluorescent nanoprobes. *Polymer Chemistry*, **2017**, 8, 5644-5654	4.9	73
316	Polydopamine nanoparticles doped in liquid crystal elastomers for producing dynamic 3D structures. *Journal of Materials Chemistry A*, **2017**, 5, 6740-6746	13	67
315	Mussel inspired modification of carbon nanotubes using RAFT derived stimuli-responsive polymers. *RSC Advances*, **2013**, 3, 21817	3.7	67
314	PEGylation of carbon nanotubes via mussel inspired chemistry: Preparation, characterization and biocompatibility evaluation. *Applied Surface Science*, **2015**, 351, 425-432	6.7	65
313	The polyhydroxylated fullerene derivative C60(OH)24 protects mice from ionizing-radiation-induced immune and mitochondrial dysfunction. *Toxicology and Applied Pharmacology*, **2010**, 243, 27-34	4.6	64
312	Detecting topology freezing transition temperature of vitrimers by AIE luminogens. *Nature Communications*, **2019**, 10, 3165	17.4	63
311	Fine-tuning the mechanofluorochromic properties of benzothiadiazole-cored cyano-substituted diphenylethene derivatives through D–A effect. *Journal of Materials Chemistry C*, **2014**, 2, 8932-8938	7.1	62
310	Aggregation-induced emission dye based luminescent silica nanoparticles: facile preparation, biocompatibility evaluation and cell imaging applications. *RSC Advances*, **2014**, 4, 10060	3.7	60
309	Stimulus responsive cross-linked AIE-active polymeric nanoprobes: fabrication and biological imaging application. *Polymer Chemistry*, **2015**, 6, 8214-8221	4.9	59
308	Damaging effects of multi-walled carbon nanotubes on pregnant mice with different pregnancy times. *Scientific Reports*, **2014**, 4, 4352	4.9	59
307	Bioinspired preparation of thermo-responsive graphene oxide nanocomposites in an aqueous solution. *Polymer Chemistry*, **2015**, 6, 5876-5883	4.9	58
306	Facile fabrication of organic dyed polymer nanoparticles with aggregation-induced emission using an ultrasound-assisted multicomponent reaction and their biological imaging. *Journal of Colloid and Interface Science*, **2018**, 519, 137-144	9.3	58
305	Highly-sensitive optical organic vapor sensor through polymeric swelling induced variation of fluorescent intensity. *Nature Communications*, **2018**, 9, 3799	17.4	58
304	A facile strategy for fabrication of aggregation-induced emission (AIE) active fluorescent polymeric nanoparticles (FPNs) via post modification of synthetic polymers and their cell imaging. *Materials Science and Engineering C*, **2017**, 79, 590-595	8.3	55

303	Mussel inspired functionalization of carbon nanotubes for heavy metal ion removal. *RSC Advances*, **2015**, 5, 68430-68438	3.7	55
302	Surface modification of carbon nanotubes via combination of mussel inspired chemistry and chain transfer free radical polymerization. *Applied Surface Science*, **2015**, 346, 335-341	6.7	55
301	Novel biocompatible cross-linked fluorescent polymeric nanoparticles based on an AIE monomer. *Journal of Materials Chemistry C*, **2014**, 2, 816-820	7.1	55
300	Fluorescent nanoparticles from starch: facile preparation, tunable luminescence and bioimaging. *Carbohydrate Polymers*, **2015**, 121, 49-55	10.3	54
299	Facile fabrication of luminescent hyaluronic acid with aggregation-induced emission through formation of dynamic bonds and their theranostic applications. *Materials Science and Engineering C*, **2018**, 91, 201-207	8.3	54
298	A rather facile strategy for the fabrication of PEGylated AIE nanoprobes. *Polymer Chemistry*, **2015**, 6, 5288-5294	4.9	53
297	Carbon nanotube based polymer nanocomposites: biomimic preparation and organic dye adsorption applications. *RSC Advances*, **2015**, 5, 82503-82512	3.7	52
296	Fabrication and biological imaging application of AIE-active luminescent starch based nanoprobes. *Carbohydrate Polymers*, **2016**, 142, 38-44	10.3	52
295	Ultra-stable biocompatible cross-linked fluorescent polymeric nanoparticles using AIE chain transfer agent. *Polymer Chemistry*, **2014**, 5, 3758	4.9	52
294	Tuning the cellular uptake and cytotoxicity of carbon nanotubes by surface hydroxylation. *Journal of Nanoparticle Research*, **2011**, 13, 6941-6952	2.3	52
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292	Influence of alkyl length on properties of piezofluorochromic aggregation induced emission compounds derived from 9,10-bis[(N-alkylphenothiazin-3-yl)vinyl]anthracene. *Tetrahedron*, **2014**, 70, 924-929	2.4	51
291	Comparison of responsive behaviors of two cinnamic acid derivatives containing carbazolyl triphenylethylene. *Journal of Fluorescence*, **2011**, 21, 133-40	2.4	51
290	Synthesis and characterization of triphenylethylene derivatives with aggregation-induced emission characteristics. *Journal of Fluorescence*, **2011**, 21, 1969-77	2.4	51
289	Towards development of a versatile and efficient strategy for fabrication of GO based polymer nanocomposites. *Polymer Chemistry*, **2015**, 6, 7211-7218	4.9	50
288	Synthesis of functionalized MgAl-layered double hydroxides via modified mussel inspired chemistry and their application in organic dye adsorption. *Journal of Colloid and Interface Science*, **2017**, 505, 168-177	8.3	49
287	AIE-based superwettable microchips for evaporation and aggregation induced fluorescence enhancement biosensing. *Biosensors and Bioelectronics*, **2018**, 111, 124-130	11.8	49
286	Fabrication of water-dispersible and biocompatible red fluorescent organic nanoparticles via PEGylation of aggregate induced emission enhancement dye and their cell imaging applications. *Colloids and Surfaces B: Biointerfaces*, **2014**, 113, 435-41	6	49

285	Biocompatibility evaluation of aniline oligomers with different end-functional groups. *Toxicology Research*, **2013**, 2, 427	2.6	49
284	Simple fluorescent probe derived from tetraphenylethylene and benzoquinone for instantaneous biothiol detection. *Analytical Methods*, **2012**, 4, 3338	3.2	49
283	A bioinspired strategy for surface modification of silica nanoparticles. *Applied Surface Science*, **2015**, 357, 1996-2003	6.7	48
282	The power of one-pot: a hexa-component system containing π-stacking, Ugi reaction and RAFT polymerization for simple polymer conjugation on carbon nanotubes. *Polymer Chemistry*, **2015**, 6, 509-513	4.9	48
281	Bottom-up preparation of nitrogen doped carbon quantum dots with green emission under microwave-assisted hydrothermal treatment and their biological imaging. *Materials Science and Engineering C*, **2018**, 84, 60-66	8.3	47
280	Aggregation Induced Emission Fluorogens Based Nanotheranostics for Targeted and Imaging-Guided Chemo-Photothermal Combination Therapy. *Small*, **2016**, 12, 6568-6575	11	46
279	Random Organic Nanolaser Arrays for Cryptographic Primitives. *Advanced Materials*, **2019**, 31, e1807880	24	45
278	One-step preparation of AIE-active dextran via formation of phenyl borate and their bioimaging application. *Chemical Engineering Journal*, **2016**, 304, 149-155	14.7	45
277	Underwater Thermoresponsive Surface with Switchable Oil-Wettability between Superoleophobicity and Superoleophilicity. *Small*, **2015**, 11, 3338-42	11	44
276	Increasing the Efficiency of Photocatalytic Reactions via Surface Microenvironment Engineering. *Journal of the American Chemical Society*, **2020**, 142, 2738-2743	16.4	43
275	Mussel inspired preparation of functional silica nanocomposites for environmental adsorption applications. *Applied Surface Science*, **2016**, 387, 285-293	6.7	43
274	Ultrabright and biocompatible AIE dye based zwitterionic polymeric nanoparticles for biological imaging. *RSC Advances*, **2014**, 4, 35137-35143	3.7	42
273	Quantum-confined superfluid: From nature to artificial. *Science China Materials*, **2018**, 61, 1027-1032	7.1	41
272	One-pot synthesis and biological imaging application of an amphiphilic fluorescent copolymer via a combination of RAFT polymerization and Schiff base reaction. *Polymer Chemistry*, **2015**, 6, 2133-2138	4.9	41
271	Polylysine crosslinked AIE dye based fluorescent organic nanoparticles for biological imaging applications. *Macromolecular Bioscience*, **2014**, 14, 1260-7	5.5	41
270	Fabrication of aggregation-induced emission based fluorescent nanoparticles and their biological imaging application: recent progress and perspectives. *Materials Today*, **2016**, 19, 284-291	21.8	40
269	Ultrafast Preparation of AIE-Active Fluorescent Organic Nanoparticles via a "One-Pot" Microwave-Assisted Kabachnik-Fields Reaction. *Macromolecular Rapid Communications*, **2016**, 37, 1754-1759	4.8	40
268	A new organic far-red mechanofluorochromic compound derived from cyano-substituted diarylethene. *Tetrahedron*, **2013**, 69, 10552-10557	2.4	39

267	Marrying mussel inspired chemistry with SET-LRP: A novel strategy for surface functionalization of carbon nanotubes. *Journal of Polymer Science Part A*, **2015**, 53, 1872-1879	2.5	38
266	Preparation of PEGylated polymeric nanoprobes with aggregation-induced emission feature through the combination of chain transfer free radical polymerization and multicomponent reaction: Self-assembly, characterization and biological imaging applications. *Materials Science and Engineering C*, **2017**, 72, 352-358	8.3	38
265	Effect of polyphenyl-substituted ethylene end-capped groups in metal-free organic dyes on performance of dye-sensitized solar cells. *RSC Advances*, **2012**, 2, 7788	3.7	38
264	A powerful one-pot tool for fabrication of AIE-active luminescent organic nanoparticles through the combination of RAFT polymerization and multicomponent reactions. *Materials Chemistry Frontiers*, **2017**, 1, 1051-1058	7.8	37
263	Fabrication of cross-linked fluorescent polymer nanoparticles and their cell imaging applications. *Journal of Materials Chemistry C*, **2015**, 3, 1854-1860	7.1	37
262	Direct surface PEGylation of nanodiamond via RAFT polymerization. *Applied Surface Science*, **2015**, 357, 2147-2153	6.7	37
261	Red fluorescent cross-linked glycopolymer nanoparticles based on aggregation induced emission dyes for cell imaging. *Polymer Chemistry*, **2015**, 6, 1360-1366	4.9	37
260	Novel Strategy toward AIE-Active Fluorescent Polymeric Nanoparticles from Polysaccharides: Preparation and Cell Imaging. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 9955-9964	8.3	36
259	A one-step ultrasonic irradiation assisted strategy for the preparation of polymer-functionalized carbon quantum dots and their biological imaging. *Journal of Colloid and Interface Science*, **2018**, 532, 767-773	9.3	36
258	Facile and highly efficient fabrication of graphene oxide-based polymer nanocomposites through mussel-inspired chemistry and their environmental pollutant removal application. *Journal of Materials Science*, **2017**, 52, 504-518	4.3	36
257	Chitosan-based cross-linked fluorescent polymer containing aggregation-induced emission fluorogen for cell imaging. *Dyes and Pigments*, **2017**, 143, 276-283	4.6	35
256	Fabrication of luminescent hydroxyapatite nanorods through surface-initiated RAFT polymerization: Characterization, biological imaging and drug delivery applications. *Applied Surface Science*, **2016**, 386, 269-275	6.7	35
255	Renewable itaconic acid based cross-linked fluorescent polymeric nanoparticles for cell imaging. *Polymer Chemistry*, **2014**, 5, 5885-5889	4.9	35
254	Nanoclay cross-linked semi-IPN silk sericin/poly(NIPAm/LMSH) nanocomposite hydrogel: An outstanding antibacterial wound dressing. *Materials Science and Engineering C*, **2017**, 81, 303-313	8.3	35
253	A new strategy for fabrication of water dispersible and biodegradable fluorescent organic nanoparticles with AIE and ESIPT characteristics and their utilization for bioimaging. *Talanta*, **2017**, 174, 803-808	6.2	35
252	Effect of alkyl length dependent crystallinity for the mechanofluorochromic feature of alkyl phenothiazinyl tetraphenylethenyl acrylonitrile derivatives. *Journal of Materials Chemistry C*, **2016**, 4, 4786-4791	7.1	35
251	One-pot polymer conjugation on carbon nanotubes through simultaneous stacking and the Biginelli reaction. *Polymer*, **2015**, 64, 210-215	3.9	34
250	Fabrication of aggregation induced emission active luminescent chitosan nanoparticles via a "one-pot" multicomponent reaction. *Carbohydrate Polymers*, **2016**, 152, 189-195	10.3	34

249	Fabrication and biomedical applications of AIE active nanotheranostics through the combination of a ring-opening reaction and formation of dynamic hydrazones. *Journal of Materials Chemistry B*, **2016**, 4, 5692-5699	7.3	34
248	Mussel inspired preparation of highly dispersible and biocompatible carbon nanotubes. *RSC Advances*, **2015**, 5, 25329-25336	3.7	33
247	Ultrafast construction and biological imaging applications of AIE-active sodium alginate-based fluorescent polymeric nanoparticles through a one-pot microwave-assisted DBner reaction. *Dyes and Pigments*, **2018**, 153, 99-105	4.6	32
246	Mussel inspired preparation of amine-functionalized Kaolin for effective removal of heavy metal ions. *Materials Chemistry and Physics*, **2016**, 181, 116-125	4.4	32
245	Mussel-inspired preparation of layered double hydroxides based polymer composites for removal of copper ions. *Journal of Colloid and Interface Science*, **2019**, 533, 416-427	9.3	32
244	Fluorescent Glycopolymer Nanoparticles Based on Aggregation-Induced Emission Dyes: Preparation and Bioimaging Applications. *Macromolecular Chemistry and Physics*, **2015**, 216, 678-684	2.6	30
243	Facile fabrication of AIE-based stable cross-linked fluorescent organic nanoparticles for cell imaging. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 739-44	6	30
242	Luminescence tunable fluorescent organic nanoparticles from polyethyleneimine and maltose: facile preparation and bioimaging applications. *RSC Advances*, **2014**, 4, 22294	3.7	30
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