

Fan Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

218
papers

18,759
citations

81
h-index

133
g-index

233
ext. papers

22,110
ext. citations

10.9
avg, IF

7.26
L-index

#	Paper	IF	Citations
218	Microwave absorption enhancement of multifunctional composite microspheres with spinel Fe ₃ O ₄ Cores and Anatase TiO ₂ shells. <i>Small</i> , 2012 , 8, 1214-21	11	621
217	Biphase stratification approach to three-dimensional dendritic biodegradable mesoporous silica nanospheres. <i>Nano Letters</i> , 2014 , 14, 923-32	11.5	503
216	Lab on upconversion nanoparticles: optical properties and applications engineering via designed nanostructure. <i>Chemical Society Reviews</i> , 2015 , 44, 1346-78	58.5	438
215	Fabrication of Ag@SiO ₂ @Y ₂ O ₃ :Er nanostructures for bioimaging: tuning of the upconversion fluorescence with silver nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2850-1	16.4	435
214	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. <i>Nature Nanotechnology</i> , 2018 , 13, 941-946	28.7	404
213	Simple and green synthesis of nitrogen-doped photoluminescent carbonaceous nanospheres for bioimaging. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8151-5	16.4	378
212	A versatile kinetics-controlled coating method to construct uniform porous TiO ₂ shells for multifunctional core-shell structures. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11864-7	16.4	357
211	An Efficient 1064 nm NIR-II Excitation Fluorescent Molecular Dye for Deep-Tissue High-Resolution Dynamic Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7483-7487	16.4	349
210	Mesoporous multifunctional upconversion luminescent and magnetic "nanorattle" materials for targeted chemotherapy. <i>Nano Letters</i> , 2012 , 12, 61-7	11.5	340
209	Fe ₃ O ₄ /TiO ₂ Core/Shell Nanotubes: Synthesis and Magnetic and Electromagnetic Wave Absorption Characteristics. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16229-16235	3.8	339
208	A Self-Template Strategy for the Synthesis of Mesoporous Carbon Nanofibers as Advanced Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , 2011 , 1, 382-386	21.8	327
207	Uniform nanostructured arrays of sodium rare-earth fluorides for highly efficient multicolor upconversion luminescence. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7976-9	16.4	323
206	A comprehensive study on KOH activation of ordered mesoporous carbons and their supercapacitor application. <i>Journal of Materials Chemistry</i> , 2012 , 22, 93-99		299
205	Anisotropic growth-induced synthesis of dual-compartment Janus mesoporous silica nanoparticles for bimodal triggered drugs delivery. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15086-92	16.4	298
204	Spatially Confined Fabrication of Core/Shell Gold Silica for Near-Infrared Controlled Photothermal Drug Release. <i>Chemistry of Materials</i> , 2013 , 25, 3030-3037	9.6	276
203	Near-Infrared Upconversion Mesoporous Cerium Oxide Hollow Biophotocatalyst for Concurrent pH-/H ₂ O ₂ -Responsive O ₂ -Evolving Synergetic Cancer Therapy. <i>Advanced Materials</i> , 2018 , 30, 1704833	24	272
202	Hydrothermal etching assisted crystallization: a facile route to functional yolk-shell titanate microspheres with ultrathin nanosheets-assembled double shells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15830-3	16.4	268

201	Direct imaging the upconversion nanocrystal core/shell structure at the subnanometer level: shell thickness dependence in upconverting optical properties. <i>Nano Letters</i> , 2012 , 12, 2852-8	11.5	265
200	Epitaxial seeded growth of rare-earth nanocrystals with efficient 800 nm near-infrared to 1525 nm short-wavelength infrared downconversion photoluminescence for in vivo bioimaging. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12086-90	16.4	247
199	NIR-II nanoprobe in-vivo assembly to improve image-guided surgery for metastatic ovarian cancer. <i>Nature Communications</i> , 2018 , 9, 2898	17.4	243
198	Single-band upconversion nanoprobe for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. <i>Nature Communications</i> , 2015 , 6, 6938	17.4	241
197	Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth: Shell Thickness and Doping Position Dependence in Upconverting Optical Properties. <i>Chemistry of Materials</i> , 2013 , 25, 106-112	9.6	240
196	Synthesis, Multi-Nonlinear Dielectric Resonance, and Excellent Electromagnetic Absorption Characteristics of Fe ₃ O ₄ /ZnO Core/Shell Nanorods. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9239-9244	12.8	235
195	Near-Infrared-Triggered Azobenzene-Liposome/Upconversion Nanoparticle Hybrid Vesicles for Remotely Controlled Drug Delivery to Overcome Cancer Multidrug Resistance. <i>Advanced Materials</i> , 2016 , 28, 9341-9348	24	229
194	Anti-quenching NIR-II molecular fluorophores for in vivo high-contrast imaging and pH sensing. <i>Nature Communications</i> , 2019 , 10, 1058	17.4	227
193	Design, synthesis and applications of core-shell, hollow core, and nanorattle multifunctional nanostructures. <i>Nanoscale</i> , 2016 , 8, 2510-31	7.7	216
192	-Aggregates of Cyanine Dye for NIR-II Dynamic Vascular Imaging beyond 1500 nm. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19221-19225	16.4	208
191	Er Sensitized 1530 nm to 1180 nm Second Near-Infrared Window Upconversion Nanocrystals for In Vivo Biosensing. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7518-7522	16.4	193
190	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2464-9	16.4	186
189	Bioinspired Diselenide-Bridged Mesoporous Silica Nanoparticles for Dual-Responsive Protein Delivery. <i>Advanced Materials</i> , 2018 , 30, e1801198	24	184
188	Stable, Wavelength-Tunable Fluorescent Dyes in the NIR-II Region for In Vivo High-Contrast Bioimaging and Multiplexed Biosensing. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8166-8171	16.4	179
187	Shape, size, and phase-controlled rare-Earth fluoride nanocrystals with optical up-conversion properties. <i>Chemistry - A European Journal</i> , 2009 , 15, 11010-9	4.8	175
186	Nd ³⁺ sensitized up/down converting dual-mode nanomaterials for efficient in-vitro and in-vivo bioimaging excited at 800 nm. <i>Scientific Reports</i> , 2013 , 3, 3536	4.9	171
185	Controlled Synthesis of Ordered Mesoporous TiO ₂ Nanocomposites with Crystalline Titania Frameworks from Organic-Inorganic Amphiphilic Coassembly. <i>Chemistry of Materials</i> , 2008 , 20, 1140-1148	9.6	163
184	Highly efficient lanthanide upconverting nanomaterials: Progresses and challenges. <i>Nano Today</i> , 2013 , 8, 643-676	17.9	162

183	In vivo gastrointestinal drug-release monitoring through second near-infrared window fluorescent bioimaging with orally delivered microcarriers. <i>Nature Communications</i> , 2017 , 8, 14702	17.4	154
182	NIR-triggered release of caged nitric oxide using upconverting nanostructured materials. <i>Small</i> , 2012 , 8, 3800-5	11	154
181	Fluorescence upconversion microbarcodes for multiplexed biological detection: nucleic acid encoding. <i>Advanced Materials</i> , 2011 , 23, 3775-9	24	154
180	Dual-pore mesoporous carbon@silica composite core-shell nanospheres for multidrug delivery. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5366-70	16.4	153
179	Highly reversible and ultra-fast lithium storage in mesoporous graphene-based TiO ₂ /SnO ₂ hybrid nanosheets. <i>Energy and Environmental Science</i> , 2013 , 6, 2447	35.4	153
178	Core-shell Ag@SiO ₂ @mSiO ₂ mesoporous nanocarriers for metal-enhanced fluorescence. <i>Chemical Communications</i> , 2011 , 47, 11618-20	5.8	153
177	Container effect in nanocasting synthesis of mesoporous metal oxides. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14542-5	16.4	150
176	Engineering homogeneous doping in single nanoparticle to enhance upconversion efficiency. <i>Nano Letters</i> , 2014 , 14, 3634-9	11.5	148
175	Anisotropic encapsulation-induced synthesis of asymmetric single-hole mesoporous nanocages. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5903-6	16.4	142
174	In Vivo High-resolution Ratiometric Fluorescence Imaging of Inflammation Using NIR-II Nanoprobes with 1550 nm Emission. <i>Nano Letters</i> , 2019 , 19, 2418-2427	11.5	140
173	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. <i>ACS Central Science</i> , 2017 , 3, 839-846	16.8	140
172	Synthesis of uniform rare earth fluoride (NaMF ₄) nanotubes by in situ ion exchange from their hydroxide [M(OH) ₃] parents. <i>ACS Nano</i> , 2009 , 3, 159-64	16.7	132
171	Role of Nanoparticle Mechanical Properties in Cancer Drug Delivery. <i>ACS Nano</i> , 2019 , 13, 7410-7424	16.7	131
170	Formation of Hollow Upconversion Rare-Earth Fluoride Nanospheres: Nanoscale Kirkendall Effect During Ion Exchange. <i>Chemistry of Materials</i> , 2009 , 21, 5237-5243	9.6	128
169	NIR luminescent nanomaterials for biomedical imaging. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2422-2443	14.3	123
168	Tm -Sensitized NIR-II Fluorescent Nanocrystals for In Vivo Information Storage and Decoding. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10153-10157	16.4	117
167	Organic NIR-II molecule with long blood half-life for in vivo dynamic vascular imaging. <i>Nature Communications</i> , 2020 , 11, 3102	17.4	112
166	Formation of mesoporous carbon with a face-centered-cubic Fd3̄m structure and bimodal architectural pores from the reverse amphiphilic triblock copolymer PPO-PEO-PPO. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1089-93	16.4	112

165	Precise In Vivo Inflammation Imaging Using In Situ Responsive Cross-linking of Glutathione-Modified Ultra-Small NIR-II Lanthanide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2050-2054	16.4	112
164	Orthogonal near-infrared upconversion co-regulated site-specific O delivery and photodynamic therapy for hypoxia tumor by using red blood cell microcarriers. <i>Biomaterials</i> , 2017 , 125, 90-100	15.6	110
163	Solvent-Assisted Self-Assembly of a Metal-Organic Framework Based Biocatalyst for Cascade Reaction Driven Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6822-6832	16.4	109
162	Nitric oxide releasing materials triggered by near-infrared excitation through tissue filters. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18145-52	16.4	108
161	Deformable Hollow Periodic Mesoporous Organosilica Nanocapsules for Significantly Improved Cellular Uptake. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1385-1393	16.4	107
160	Carbon dots modified mesoporous organosilica as an adsorbent for the removal of 2,4-dichlorophenol and heavy metal ions. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13357-13364	13	106
159	A New Generation of NIR-II Probes: Lanthanide-Based Nanocrystals for Bioimaging and Biosensing. <i>Advanced Optical Materials</i> , 2019 , 7, 1801417	8.1	106
158	Supramolecularly Engineered NIR-II and Upconversion Nanoparticles In Vivo Assembly and Disassembly to Improve Bioimaging. <i>Advanced Materials</i> , 2018 , 30, e1804982	24	105
157	Intense near-infrared-II luminescence from NaCeF:Er/Yb nanoprobe for bioassay and bioimaging. <i>Chemical Science</i> , 2018 , 9, 4682-4688	9.4	103
156	Low-temperature pseudomorphic transformation of ordered hierarchical macro-mesoporous SiO ₂ /C nanocomposite to SiC via magnesiothermic reduction. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5552-3	16.4	101
155	Mesoporous carbon single-crystals from organic-organic self-assembly. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7746-7	16.4	101
154	Beyond 1000 nm Emission Wavelength: Recent Advances in Organic and Inorganic Emitters for Deep-Tissue Molecular Imaging. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900260	10.1	99
153	Magnetic-mesoporous Janus nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 1225-7	5.8	99
152	Mesoporous silica encapsulating upconversion luminescence rare-earth fluoride nanorods for secondary excitation. <i>Langmuir</i> , 2010 , 26, 8850-6	4	99
151	Interface tension-induced synthesis of monodispersed mesoporous carbon hemispheres. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2808-11	16.4	98
150	Surfactant-free synthesis of Bi ₂ Te ₃ -Te micro-nano heterostructure with enhanced thermoelectric figure of merit. <i>ACS Nano</i> , 2011 , 5, 3158-65	16.7	96
149	Peroxyinitrite Activatable NIR-II Fluorescent Molecular Probe for Drug-Induced Hepatotoxicity Monitoring. <i>Analytical Chemistry</i> , 2019 , 91, 4771-4779	7.8	95
148	Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17450-9	9.5	92

147	A Tumor-Microenvironment-Responsive Lanthanide-Cyanine FRET Sensor for NIR-II Luminescence-Lifetime In Situ Imaging of Hepatocellular Carcinoma. <i>Advanced Materials</i> , 2020 , 32, e2001172	11.72	92
146	Molecular Engineering of NIR-II Fluorophores for Improved Biomedical Detection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16294-16308	16.4	92
145	Surfactant-templating strategy for ultrathin mesoporous TiO ₂ coating on flexible graphitized carbon supports for high-performance lithium-ion battery. <i>Nano Energy</i> , 2016 , 25, 80-90	17.1	90
144	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12824-12829	16.4	89
143	Synthesis of ordered mesoporous alumina with large pore sizes and hierarchical structure. <i>Microporous and Mesoporous Materials</i> , 2011 , 143, 406-412	5.3	89
142	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13208-13219	16.4	87
141	Rare-earth upconverting nanobarcodes for multiplexed biological detection. <i>Small</i> , 2011 , 7, 1972-6	11	87
140	Near-Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2611-2615	16.4	85
139	Janus Silver-Mesoporous Silica Nanocarriers for SERS Traceable and pH-Sensitive Drug Delivery in Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4303-8	9.5	83
138	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. <i>Nature Nanotechnology</i> , 2021 , 16, 1011-1018	28.7	83
137	Spatial Isolation of Carbon and Silica in a Single Janus Mesoporous Nanoparticle with Tunable Amphiphilicity. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10009-10015	16.4	80
136	Kilogram-scale synthesis of ordered mesoporous carbons and their electrochemical performance. <i>Carbon</i> , 2011 , 49, 4580-4588	10.4	79
135	An Efficient 1064 nm NIR-II Excitation Fluorescent Molecular Dye for Deep-Tissue High-Resolution Dynamic Bioimaging. <i>Angewandte Chemie</i> , 2018 , 130, 7605-7609	3.6	75
134	Exploiting lanthanide-doped upconversion nanoparticles with core/shell structures. <i>Nano Today</i> , 2019 , 25, 68-84	17.9	74
133	NIR-II bioluminescence for in vivo high contrast imaging and in situ ATP-mediated metastases tracing. <i>Nature Communications</i> , 2020 , 11, 4192	17.4	72
132	Monodisperse core-shell structured magnetic mesoporous aluminosilicate nanospheres with large dendritic mesochannels. <i>Nano Research</i> , 2015 , 8, 2503-2514	10	70
131	Photoluminescence modification in upconversion rare-earth fluoride nanocrystal array constructed photonic crystals. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3895		70
130	Hydrothermal synthesis of hydroxyapatite nanorods in the presence of anionic starburst dendrimer. <i>Materials Letters</i> , 2005 , 59, 1422-1425	3.3	68

129	Near-infrared rechargeable "optical battery" implant for irradiation-free photodynamic therapy. <i>Biomaterials</i> , 2018 , 163, 154-162	15.6	62
128	ZnO supported on high silica HZSM-5 as new catalysts for dehydrogenation of propane to propene in the presence of CO ₂ . <i>Catalysis Today</i> , 2009 , 148, 316-322	5.3	62
127	Mesoporous silica-coated plasmonic nanostructures for surface-enhanced Raman scattering detection and photothermal therapy. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1620-8	10.1	61
126	Chromium oxide supported on ZSM-5 as a novel efficient catalyst for dehydrogenation of propane with CO ₂ . <i>Microporous and Mesoporous Materials</i> , 2011 , 145, 194-199	5.3	59
125	One-step hydrothermal synthesis of carboxyl-functionalized upconversion phosphors for bioapplications. <i>Chemistry - A European Journal</i> , 2012 , 18, 13642-50	4.8	58
124	Epitaxial Seeded Growth of Rare-Earth Nanocrystals with Efficient 800 nm Near-Infrared to 1525 nm Short-Wavelength Infrared Downconversion Photoluminescence for In Vivo Bioimaging. <i>Angewandte Chemie</i> , 2014 , 126, 12282-12286	3.6	56
123	Multifunctional upconversion-magnetic hybrid nanostructured materials: synthesis and bioapplications. <i>Theranostics</i> , 2013 , 3, 292-305	12.1	56
122	Molecular Fluorophores for Deep-Tissue Bioimaging. <i>ACS Central Science</i> , 2020 , 6, 1302-1316	16.8	56
121	Bioapplications and biotechnologies of upconversion nanoparticle-based nanosensors. <i>Analyst, The</i> , 2016 , 141, 3601-20	5	55
120	Stable, Wavelength-Tunable Fluorescent Dyes in the NIR-II Region for In Vivo High-Contrast Bioimaging and Multiplexed Biosensing. <i>Angewandte Chemie</i> , 2019 , 131, 8250-8255	3.6	52
119	Rational Design of Near-Infrared-II Organic Molecular Dyes for Bioimaging and Biosensing 2020 , 2, 905-917		52
118	Mesoporous TiO@N-doped carbon composite nanospheres synthesized by the direct carbonization of surfactants after sol-gel process for superior lithium storage. <i>Nanoscale</i> , 2017 , 9, 1539-1546	7.7	50
117	Highly biocompatible zwitterionic phospholipids coated upconversion nanoparticles for efficient bioimaging. <i>Analytical Chemistry</i> , 2014 , 86, 9749-57	7.8	50
116	Bright and Stable NIR-II J-Aggregated AIE Dibodipy-Based Fluorescent Probe for Dynamic In Vivo Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3967-3973	16.4	50
115	Oxidative dehydrogenation of ethane with CO ₂ over Cr supported on submicron ZSM-5 zeolite. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1242-1248	11.3	49
114	Small-Molecule Lanthanide Complexes Probe for Second Near-Infrared Window Bioimaging. <i>Analytical Chemistry</i> , 2018 , 90, 7946-7952	7.8	48
113	Magnetic/upconversion luminescent mesoparticles of Fe ₃ O ₄ @LaF ₃ :Yb ³⁺ , Er ³⁺ for dual-modal bioimaging. <i>Chemical Communications</i> , 2012 , 48, 11238-40	5.8	48
112	NIR-II Chemiluminescence Molecular Sensor for In Vivo High-Contrast Inflammation Imaging. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18380-18385	16.4	47

111	Neutrophil-like Cell-Membrane-Coated Nanozyme Therapy for Ischemic Brain Damage and Long-Term Neurological Functional Recovery. <i>ACS Nano</i> , 2021 , 15, 2263-2280	16.7	47
110	A mini-review on recent progress of new sensitizers for luminescence of lanthanide doped nanomaterials. <i>Nano Research</i> , 2020 , 13, 1795-1809	10	44
109	Dual-Pore Mesoporous Carbon@Silica Composite Core-Shell Nanospheres for Multidrug Delivery. <i>Angewandte Chemie</i> , 2014 , 126, 5470-5474	3.6	44
108	In situ-prepared homogeneous supramolecular organic framework drug delivery systems (sof-DDSs): Overcoming cancer multidrug resistance and controlled release. <i>Chinese Chemical Letters</i> , 2017 , 28, 798-806	8.1	43
107	Effect of anionic PAMAM with amido groups starburst dendrimers on the crystallization of Ca ₁₀ (PO ₄) ₆ (OH) ₂ by hydrothermal method. <i>Materials Chemistry and Physics</i> , 2006 , 99, 164-169	4.4	42
106	Simple and Green Synthesis of Nitrogen-Doped Photoluminescent Carbonaceous Nanospheres for Bioimaging. <i>Angewandte Chemie</i> , 2013 , 125, 8309-8313	3.6	41
105	Uniform Nanostructured Arrays of Sodium Rare-Earth Fluorides for Highly Efficient Multicolor Upconversion Luminescence. <i>Angewandte Chemie</i> , 2007 , 119, 8122-8125	3.6	41
104	Surface-kinetics mediated mesoporous multipods for enhanced bacterial adhesion and inhibition. <i>Nature Communications</i> , 2019 , 10, 4387	17.4	40
103	Degradation-Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. <i>Advanced Materials</i> , 2017 , 29, 1701652	24	39
102	Large pore mesostructured cellular silica foam coated magnetic oxide composites with multilamellar vesicle shells for adsorption. <i>Chemical Communications</i> , 2014 , 50, 713-5	5.8	39
101	Ultrasonication-Triggered Ubiquitous Assembly of Magnetic Janus Amphiphilic Nanoparticles in Cancer Theranostic Applications. <i>Nano Letters</i> , 2019 , 19, 4118-4125	11.5	38
100	Orthogonal Multiplexed Luminescence Encoding with Near-Infrared Rechargeable Upconverting Persistent Luminescence Composites. <i>Advanced Optical Materials</i> , 2017 , 5, 1700680	8.1	38
99	Ordered Mesostructured Rare-Earth Fluoride Nanowire Arrays with Upconversion Fluorescence. <i>Chemistry of Materials</i> , 2008 , 20, 3778-3784	9.6	38
98	Fabrication of ordered magnetite-doped rare earth fluoride nanotube arrays by nanocrystal self-assembly. <i>Nano Research</i> , 2009 , 2, 292-305	10	37
97	NIR-II pH Sensor with a FRET Adjustable Transition Point for In Situ Dynamic Tumor Microenvironment Visualization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5091-5095	16.4	37
96	Near-Infrared-Activated Upconversion Nanoprobes for Sensitive Endogenous Zn Detection and Selective On-Demand Photodynamic Therapy. <i>Analytical Chemistry</i> , 2017 , 89, 3492-3500	7.8	36
95	Synthesis of Mesoporous Silica/Reduced Graphene Oxide Sandwich-Like Sheets with Enlarged and Tunneling Mesochannels. <i>Chemistry of Materials</i> , 2015 , 27, 5577-5586	9.6	36
94	Polymer-directed synthesis of metal oxide-containing nanomaterials for electrochemical energy storage. <i>Nanoscale</i> , 2014 , 6, 106-21	7.7	36

93	Preparation of discrete nanosize ceria powder. <i>Ceramics International</i> , 2004 , 30, 997-1002	5.1	35
92	Loading-free supramolecular organic framework drug delivery systems (sof-DDSs) for doxorubicin: normal plasm and multidrug resistant cancer cell-adaptive delivery and release. <i>Chinese Chemical Letters</i> , 2017 , 28, 893-899	8.1	34
91	Size and charge dual-transformable mesoporous nanoassemblies for enhanced drug delivery and tumor penetration. <i>Chemical Science</i> , 2020 , 11, 2819-2827	9.4	34
90	Carbon-Dot-Sensitized, Nitrogen-Doped TiO ₂ in Mesoporous Silica for Water Decontamination through Nonhydrophobic Enrichment-Degradation Mode. <i>Chemistry - A European Journal</i> , 2015 , 21, 17944-17945	4.8	34
89	Tm ³⁺ -Sensitized NIR-II Fluorescent Nanocrystals for In Vivo Information Storage and Decoding. <i>Angewandte Chemie</i> , 2019 , 131, 10259-10263	3.6	33
88	Engine-Trailer-Structured Nanotrucks for Efficient Nano-Bio Interactions and Bioimaging-Guided Drug Delivery. <i>CheM</i> , 2020 , 6, 1097-1112	16.2	33
87	Filtration Shell Mediated Power Density Independent Orthogonal Excitations Emissions Upconversion Luminescence. <i>Angewandte Chemie</i> , 2016 , 128, 2510-2515	3.6	33
86	Activatable fluorescence sensors for bio-detection in the second near-infrared window. <i>Chemical Science</i> , 2020 , 12, 3448-3459	9.4	33
85	Elemental Migration in Core/Shell Structured Lanthanide Doped Nanoparticles. <i>Chemistry of Materials</i> , 2019 , 31, 5608-5615	9.6	31
84	Precise In Vivo Inflammation Imaging Using In Situ Responsive Cross-linking of Glutathione-Modified Ultra-Small NIR-II Lanthanide Nanoparticles. <i>Angewandte Chemie</i> , 2019 , 131, 2072-2076	3.6	31
83	Activatable Two-Photon Near-Infrared Fluorescent Probe Tailored toward Peroxynitrite Imaging in Tumors. <i>Analytical Chemistry</i> , 2020 , 92, 13305-13312	7.8	30
82	A hybrid erbium(III)-bacteriochlorin near-infrared probe for multiplexed biomedical imaging. <i>Nature Materials</i> , 2021 , 20, 1571-1578	27	29
81	Er ³⁺ Sensitized 1530 nm to 1180 nm Second Near-Infrared Window Upconversion Nanocrystals for In Vivo Biosensing. <i>Angewandte Chemie</i> , 2018 , 130, 7640-7644	3.6	27
80	Ligand exchange triggered controlled-release targeted drug delivery system based on core/shell superparamagnetic mesoporous microspheres capped with nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17677		27
79	The synthesis of ZnS:Mn ²⁺ nano-particles by solid-state method at low temperature and their photoluminescence characteristics. <i>Materials Letters</i> , 2004 , 58, 3661-3664	3.3	27
78	Recent progress in NIR-II emitting lanthanide-based nanoparticles and their biological applications. <i>Journal of Rare Earths</i> , 2020 , 38, 451-463	3.7	26
77	Highly crystalline manganese selenide nanorods: Synthesis, characterization, and microwave absorption properties. <i>Journal of Alloys and Compounds</i> , 2013 , 548, 13-17	5.7	25
76	Dehydrogenation of propane over MWW-type zeolites supported gallium oxide. <i>Catalysis Communications</i> , 2012 , 18, 63-67	3.2	25

75	Kinetics-mediate fabrication of multi-model bioimaging lanthanide nanoplates with controllable surface roughness for blood brain barrier transportation. <i>Biomaterials</i> , 2017 , 141, 223-232	15.6	24
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