

Fan Zhang

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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	NIR-II Ratiometric Lanthanide-Dye Hybrid Nanoprobes Doped Bioscaffolds for In Situ Bone Repair Monitoring.. <i>Nano Letters</i> , 2022 ,	11.5	6
217	Molecular fluorophores for in vivo bioimaging in the second near-infrared window.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022 , 1	8.8	0
216	A light-driven dual-nanotransformer with deep tumor penetration for efficient chemo-immunotherapy.. <i>Theranostics</i> , 2022 , 12, 1756-1768	12.1	7
215	A Bright, Renal-Clearable NIR-II Brush Macromolecular Probe with Long Blood Circulation Time for Kidney Disease Bioimaging. <i>Angewandte Chemie</i> , 2022 , 134, e202114273	3.6	
214	Activity-based fluorescence probes for pathophysiological peroxynitrite fluxes. <i>Coordination Chemistry Reviews</i> , 2022 , 454, 214356	23.2	8
213	Orthogonal Multiplexed NIR-II Imaging with Excitation-Selective Lanthanide-Based Nanoparticles.. <i>Analytical Chemistry</i> , 2022 ,	7.8	4
212	A Bright, Renal-Clearable NIR-II Brush Macromolecular Probe with Long Blood Circulation Time for Kidney Disease Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	6
211	ROS/RNS and Base Dual Activatable Merocyanine-Based NIR-II Fluorescent Molecular Probe for in vivo Biosensing. <i>Angewandte Chemie</i> , 2021 , 133, 26541	3.6	2
210	ROS/RNS and Base Dual Activatable Merocyanine-Based NIR-II Fluorescent Molecular Probe for in vivo Biosensing. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26337-26341	16.4	15
209	NIR-II J-Aggregates Labelled Mesoporous Implant for Imaging-Guided Osteosynthesis with Minimal Invasion. <i>Advanced Functional Materials</i> , 2021 , 31, 2100656	15.6	4
208	A Promising NIR-II Fluorescent Sensor for Peptide-Mediated Long-Term Monitoring of Kidney Dysfunction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15809-15815	16.4	20
207	A Promising NIR-II Fluorescent Sensor for Peptide-Mediated Long-Term Monitoring of Kidney Dysfunction. <i>Angewandte Chemie</i> , 2021 , 133, 15943-15949	3.6	2
206	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. <i>Nature Nanotechnology</i> , 2021 , 16, 1011-1018	28.7	83
205	Imparting multi-functionality to covalent organic framework nanoparticles by the dual-ligand assistant encapsulation strategy. <i>Nature Communications</i> , 2021 , 12, 4556	17.4	14
204	Molecular Engineering of NIR-II Fluorophores for Improved Biomedical Detection. <i>Angewandte Chemie</i> , 2021 , 133, 16430-16444	3.6	15
203	Molecular Engineering of NIR-II Fluorophores for Improved Biomedical Detection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16294-16308	16.4	92
202	Bright and Stable NIR-II J-Aggregated AIE Dibodipy-Based Fluorescent Probe for Dynamic In Vivo Bioimaging. <i>Angewandte Chemie</i> , 2021 , 133, 4013-4019	3.6	12

201	Investigations of drug-induced liver injury by a peroxyxynitrite activatable two-photon fluorescence probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 118960	4.4	6
200	Overcoming immune resistance by sequential prodrug nanovesicles for promoting chemoimmunotherapy of cancer. <i>Nano Today</i> , 2021 , 36, 101025	17.9	16
199	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
198	NIR-II pH Sensor with a FRET Adjustable Transition Point for In Situ Dynamic Tumor Microenvironment Visualization. <i>Angewandte Chemie</i> , 2021 , 133, 5151-5155	3.6	6
197	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
196	Activatable Chemiluminescent Molecular Probes for Bioimaging and Biosensing. <i>Analysis & Sensing</i> , 2021 , 1, 75-89		3
195	Spatial topological analysis of sympathetic neurovascular characteristic of acupoints in Ren meridian using advanced tissue-clearing and near infrared II imaging. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 2236-2245	6.8	3
194	Independent Luminescent Lifetime and Intensity Tuning of Upconversion Nanoparticles by Gradient Doping for Multiplexed Encoding. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7041-7045	16.4	23
193	Independent Luminescent Lifetime and Intensity Tuning of Upconversion Nanoparticles by Gradient Doping for Multiplexed Encoding. <i>Angewandte Chemie</i> , 2021 , 133, 7117-7121	3.6	6
192	A hybrid erbium(III)-bacteriochlorin near-infrared probe for multiplexed biomedical imaging. <i>Nature Materials</i> , 2021 , 20, 1571-1578	27	29
191	Electrocaloric Effect of Structural Configured Ferroelectric Polymer Nanocomposites for Solid-State Refrigeration. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46681-46693	9.5	1
190	Near-infrared manipulation of multiple neuronal populations via trichromatic upconversion. <i>Nature Communications</i> , 2021 , 12, 5662	17.4	18
189	High-Fidelity NIR-II Multiplexed Lifetime Bioimaging with Bright Double Interfaced Lanthanide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23545-23551	16.4	15
188	High-Fidelity NIR-II Multiplexed Lifetime Bioimaging with Bright Double Interfaced Lanthanide Nanoparticles. <i>Angewandte Chemie</i> , 2021 , 133, 23737	3.6	0
187	Super-Resolution Imaging With Lanthanide Luminescent Nanocrystals: Progress and Prospect. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 692075	5.8	3
186	NIR-II cell endocytosis-activated fluorescent probes for high-contrast bioimaging diagnostics. <i>Chemical Science</i> , 2021 , 12, 10474-10482	9.4	7
185	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
184	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	24	92

183	Rational Design of Near-Infrared-II Organic Molecular Dyes for Bioimaging and Biosensing 2020 , 2, 905-917	52
182	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
181	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
180	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
179	NIR-II Chemiluminescence Molecular Sensor for In Vivo High-Contrast Inflammation Imaging. <i>Angewandte Chemie</i> , 2020 , 132, 18538-18543	3.6 11
178	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
177	Targeted delivery of mitomycin C-loaded and LDL-conjugated mesoporous silica nanoparticles for inhibiting the proliferation of pterygium subconjunctival fibroblasts. <i>Experimental Eye Research</i> , 2020 , 197, 108124	3.7 2
176	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
175	Engine-Trailer-Structured Nanotrucks for Efficient Nano-Bio Interactions and Bioimaging-Guided Drug Delivery. <i>CheM</i> , 2020 , 6, 1097-1112	16.2 33
174	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
173	Constructing MnO ₂ hollow spheres with tunable microwave absorption properties. <i>Advanced Powder Technology</i> , 2020 , 31, 4642-4647	4.6 3
172	Exploiting molecular probes to perform near-infrared fluorescence-guided surgery. <i>View</i> , 2020 , 1, 20200068	12
171	Molecular Fluorophores for Deep-Tissue Bioimaging. <i>ACS Central Science</i> , 2020 , 6, 1302-1316	16.8 56
170	Recent Advances in Intraoperative Nerve Bioimaging: Fluorescence-Guided Surgery for Nerve Preservation. <i>Small Structures</i> , 2020 , 1, 2000036	8.7 12
169	Surface-Confined Winding Assembly of Mesoporous Nanorods. <i>Journal of the American Chemical Society</i> , 2020 ,	16.4 7
168	Synthesis of NaLn(WO ₄) ₂ phosphors via a new phase-conversion protocol and investigation of up/down conversion photoluminescence. <i>Advanced Powder Technology</i> , 2020 , 31, 4231-4240	4.6 3
167	Enhancement of Nanozyme Permeation by Endovascular Interventional Treatment to Prevent Vascular Restenosis via Macrophage Polarization Modulation. <i>Advanced Functional Materials</i> , 2020 , 30, 2006581	15.6 12
166	Activatable Two-Photon Near-Infrared Fluorescent Probe Tailored toward Peroxynitrite Imaging in Tumors. <i>Analytical Chemistry</i> , 2020 , 92, 13305-13312	7.8 30

165	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
164	Activatable fluorescence sensors for bio-detection in the second near-infrared window. <i>Chemical Science</i> , 2020 , 12, 3448-3459	9.4	33
163	Surface-kinetics mediated mesoporous multipods for enhanced bacterial adhesion and inhibition. <i>Nature Communications</i> , 2019 , 10, 4387	17.4	40
162	Ultrasonication-Triggered Ubiquitous Assembly of Magnetic Janus Amphiphilic Nanoparticles in Cancer Theranostic Applications. <i>Nano Letters</i> , 2019 , 19, 4118-4125	11.5	38
161	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
160	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
159	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. <i>Angewandte Chemie</i> , 2019 , 131, 13342-13353	3.6	18
158	In Vivo Assembly and Disassembly of Probes to Improve Near-Infrared Optical Bioimaging. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801650	10.1	17
157	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
156	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
155	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13208-13219	16.4	87
154	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
153	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
152	Exploiting lanthanide-doped upconversion nanoparticles with core/shell structures. <i>Nano Today</i> , 2019 , 25, 68-84	17.9	74
151	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
150	Manganese Oxide Nanoclusters for Skin Photoprotection.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3974-3982	4.1	0
149	Elemental Migration in Core/Shell Structured Lanthanide Doped Nanoparticles. <i>Chemistry of Materials</i> , 2019 , 31, 5608-5615	9.6	31
148	Role of Nanoparticle Mechanical Properties in Cancer Drug Delivery. <i>ACS Nano</i> , 2019 , 13, 7410-7424	16.7	131

147	Peroxynitrite Activatable NIR-II Fluorescent Molecular Probe for Drug-Induced Hepatotoxicity Monitoring. <i>Analytical Chemistry</i> , 2019 , 91, 4771-4779	7.8	95
146	-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
145	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
144	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
143	Au/Ag Nanobox-Based Near-Infrared Surface-Enhanced Raman Scattering for Hydrogen Sulfide Sensing.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 417-423	4.1	11
142	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
141	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
140	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
139	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
138	Near-infrared rechargeable "optical battery" implant for irradiation-free photodynamic therapy. <i>Biomaterials</i> , 2018 , 163, 154-162	15.6	62
137	Near-Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. <i>Angewandte Chemie</i> , 2018 , 130, 2641-2645	3.6	22
136	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
135	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
134	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
133	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. <i>Nature Nanotechnology</i> , 2018 , 13, 941-946	28.7	404
132	NIR-II nanoprobes in-vivo assembly to improve image-guided surgery for metastatic ovarian cancer. <i>Nature Communications</i> , 2018 , 9, 2898	17.4	243
131	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
130	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

129	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
128	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12824-12829	16.4	89
127	Small-Molecule Lanthanide Complexes Probe for Second Near-Infrared Window Bioimaging. <i>Analytical Chemistry</i> , 2018 , 90, 7946-7952	7.8	48
126	Supramolecularly Engineered NIR-II and Upconversion Nanoparticles In Vivo Assembly and Disassembly to Improve Bioimaging. <i>Advanced Materials</i> , 2018 , 30, e1804982	24	105
125	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie</i> , 2018 , 130, 13006-13011	3.6	24
124	Bioinspired Diselenide-Bridged Mesoporous Silica Nanoparticles for Dual-Responsive Protein Delivery. <i>Advanced Materials</i> , 2018 , 30, e1801198	24	184
123	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
122	Single Molecular Wells Dawson-Like Heterometallic Cluster for the In Situ Functionalization of Ordered Mesoporous Carbon: A T ₁ - and T ₂ -Weighted Dual-Mode Magnetic Resonance Imaging Agent and Drug Delivery System. <i>Advanced Functional Materials</i> , 2017 , 27, 1605313	15.6	16
121	Loading-free supramolecular organic framework drug delivery systems (sof-DDSs) for doxorubicin: normal plasma and multidrug resistant cancer cell-adaptive delivery and release. <i>Chinese Chemical Letters</i> , 2017 , 28, 893-899	8.1	34
120	Intracellular and in Vivo Cyanide Mapping via Surface Plasmon Spectroscopy of Single Au-Ag Nanoboxes. <i>Analytical Chemistry</i> , 2017 , 89, 2583-2591	7.8	16
119	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
118	Orthogonal near-infrared upconversion co-regulated site-specific O ₂ delivery and photodynamic therapy for hypoxia tumor by using red blood cell microcarriers. <i>Biomaterials</i> , 2017 , 125, 90-100	15.6	110
117	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
116	Degradation-Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. <i>Advanced Materials</i> , 2017 , 29, 1701652	24	39
115	Mesoporous TiO ₂ @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
114	Orthogonal Multiplexed Luminescence Encoding with Near-Infrared Rechargeable Upconverting Persistent Luminescence Composites. <i>Advanced Optical Materials</i> , 2017 , 5, 1700680	8.1	38
113	Kinetics-mediated fabrication of multi-modal bioimaging lanthanide nanoplates with controllable surface roughness for blood brain barrier transportation. <i>Biomaterials</i> , 2017 , 141, 223-232	15.6	24
112	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

111	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
110	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2464-9	16.4	186
109	Design, synthesis and applications of core-shell, hollow core, and nanorattle multifunctional nanostructures. <i>Nanoscale</i> , 2016 , 8, 2510-31	7.7	216
108	Facile Peptides Functionalization of Lanthanide-Based Nanocrystals through Phosphorylation Tethering for Efficient in Vivo NIR-to-NIR Bioimaging. <i>Analytical Chemistry</i> , 2016 , 88, 1930-6	7.8	23
107	Yolk-Shell-Structured Aluminum Phenylphosphonate Microspheres with Anionic Core and Cationic Shell. <i>Advanced Science</i> , 2016 , 3, 1500363	13.6	19
106	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
105	Bioapplications and biotechnologies of upconversion nanoparticle-based nanosensors. <i>Analyst, The</i> , 2016 , 141, 3601-20	5	55
104	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie</i> , 2016 , 128, 2510-2515	3.6	33
103	Phosphorylated Peptide Functionalization of Lanthanide Upconversion Nanoparticles for Tuning Nanomaterial-Cell Interactions. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6935-43	9.5	21
102	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
101	Synthesis of Monodisperse Mesoporous TiO ₂ Nanospheres from a Simple Double-Surfactant Assembly-Directed Method for Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25586-94	9.5	22
100	Chelating-Template-Assisted in Situ Encapsulation of Zinc Ferrite Inside Silica Mesopores for Enhanced Gas-Sensing Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24682-91	9.5	11
99	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
98	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
97	Upconversion Nanoparticle-Based Nanocomposites. <i>Nanostructure Science and Technology</i> , 2015 , 121-157.9	1	
96	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
95	Single-band upconversion nanoprobe for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. <i>Nature Communications</i> , 2015 , 6, 6938	17.4	241
94	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

93	Rare Earth core/shell nanobarcodes for multiplexed trace biodetection. <i>Analytical Chemistry</i> , 2015 , 87, 5745-52	7.8	13
92	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
91	Wet-Chemical Synthesis and Manipulation of Upconversion Nanoparticles. <i>Nanostructure Science and Technology</i> , 2015 , 21-71	0.9	
90	Upconversion Nanoparticles for Other Applications. <i>Nanostructure Science and Technology</i> , 2015 , 375-408.	0.9	0
89	General Introduction to Upconversion Luminescence Materials. <i>Nanostructure Science and Technology</i> , 2015 , 1-20	0.9	3
88	Lab on upconversion nanoparticles: optical properties and applications engineering via designed nanostructure. <i>Chemical Society Reviews</i> , 2015 , 44, 1346-78	58.5	438
87	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, 17944-50	4.8	34
86	Surface Modification and Bioconjugation of Upconversion Nanoparticles. <i>Nanostructure Science and Technology</i> , 2015 , 159-185	0.9	
85	Upconversion Nanoparticles for Light-Activated Therapy. <i>Nanostructure Science and Technology</i> , 2015 , 285-341	0.9	1
84	Monodisperse core-shell structured magnetic mesoporous aluminosilicate nanospheres with large dendritic mesochannels. <i>Nano Research</i> , 2015 , 8, 2503-2514	10	70
83	Upconversion Luminescence of Lanthanide Ion-Doped Nanocrystals. <i>Nanostructure Science and Technology</i> , 2015 , 73-119	0.9	3
82	Upconversion Nanoparticles for Biomedical Imaging. <i>Nanostructure Science and Technology</i> , 2015 , 187-232.	0.9	3
81	Interface tension-induced synthesis of monodispersed mesoporous carbon hemispheres. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2808-11	16.4	98
80	The Applications of Upconversion Nanoparticles in Bioassay. <i>Nanostructure Science and Technology</i> , 2015 , 233-253	0.9	2
79	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
78	NIR luminescent nanomaterials for biomedical imaging. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2422-2443	4.3	123
77	Polymer-directed synthesis of metal oxide-containing nanomaterials for electrochemical energy storage. <i>Nanoscale</i> , 2014 , 6, 106-21	7.7	36
76	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

75	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
74	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
73	Highly biocompatible zwitterionic phospholipids coated upconversion nanoparticles for efficient bioimaging. <i>Analytical Chemistry</i> , 2014 , 86, 9749-57	7.8	50
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