Fan Zhang

List of Publications by Year
in descending order

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223 papers	25,542 citations	3149 92 h-index	6979 154 g-index
233 all docs	233 docs citations	233 times ranked	21705 citing authors

#	Article	IF	Citations
1	Microwave Absorption Enhancement of Multifunctional Composite Microspheres with Spinel Fe₃O₄ Cores and Anatase TiO₂ Shells. Small, 2012, 8, 1214-1221.	5.2	730
2	Biphase Stratification Approach to Three-Dimensional Dendritic Biodegradable Mesoporous Silica Nanospheres. Nano Letters, 2014, 14, 923-932.	4.5	639
3	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. Nature Nanotechnology, 2018, 13, 941-946.	15.6	584
4	Lab on upconversion nanoparticles: optical properties and applications engineering via designed nanostructure. Chemical Society Reviews, 2015, 44, 1346-1378.	18.7	532
5	An Efficient 1064 nm NIRâ€II Excitation Fluorescent Molecular Dye for Deepâ€Tissue Highâ€Resolution Dynamic Bioimaging. Angewandte Chemie - International Edition, 2018, 57, 7483-7487.	7.2	511
6	Fabrication of Ag@SiO₂@Y₂O₃:Er Nanostructures for Bioimaging: Tuning of the Upconversion Fluorescence with Silver Nanoparticles. Journal of the American Chemical Society, 2010, 132, 2850-2851.	6.6	463
7	Simple and Green Synthesis of Nitrogenâ€Doped Photoluminescent Carbonaceous Nanospheres for Bioimaging. Angewandte Chemie - International Edition, 2013, 52, 8151-8155.	7.2	430
8	A Versatile Kinetics-Controlled Coating Method To Construct Uniform Porous TiO₂ Shells for Multifunctional Coreâ€“Shell Structures. Journal of the American Chemical Society, 2012, 134, 11864-11867.	6.6	403
9	J-Aggregates of Cyanine Dye for NIR-II in Vivo Dynamic Vascular Imaging beyond 1500 nm. Journal of the American Chemical Society, 2019, 141, 19221-19225.	6.6	378
10	Fe₃O₄/TiO₂ Core/Shell Nanotubes: Synthesis and Magnetic and Electromagnetic Wave Absorption Characteristics. Journal of Physical Chemistry C, 2010, 114, 16229-16235.	1.5	370
11	Anti-quenching NIR-II molecular fluorophores for in vivo high-contrast imaging and pH sensing. Nature Communications, 2019, 10, 1058.	5.8	362
12	Mesoporous Multifunctional Upconversion Luminescent and Magnetic â€œNanorattleâ€•Materials for Targeted Chemotherapy. Nano Letters, 2012, 12, 61-67.	4.5	360
13	A Selfâ€Template Strategy for the Synthesis of Mesoporous Carbon Nanofibers as Advanced Supercapacitor Electrodes. Advanced Energy Materials, 2011, 1, 382-386.	10.2	359
14	Anisotropic Growth-Induced Synthesis of Dual-Compartment Janus Mesoporous Silica Nanoparticles for Bimodal Triggered Drugs Delivery. Journal of the American Chemical Society, 2014, 136, 15086-15092.	6.6	357
15	Nearâ€Infrared Upconversion Mesoporous Cerium Oxide Hollow Biophotocatalyst for Concurrent pHâ€/H₂O₂â€Responsive O₂â€Evolving Synergetic Cancer Therapy. Advanced Materials, 2018, 30, 1704833.	11.1	350
16	Molecular Engineering of NIRâ€II Fluorophores for Improved Biomedical Detection. Angewandte Chemie - International Edition, 2021, 60, 16294-16308.	7.2	350
17	A comprehensive study on KOH activation of ordered mesoporous carbons and their supercapacitor application. Journal of Materials Chemistry, 2012, 22, 93-99.	6.7	343
18	NIR-II nanoprobes in-vivo assembly to improve image-guided surgery for metastatic ovarian cancer. Nature Communications, 2018, 9, 2898.	5.8	343

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19	Uniform Nanostructured Arrays of Sodium Rareâ€Earth Fluorides for Highly Efficient Multicolor Upconversion Luminescence. Angewandte Chemie - International Edition, 2007, 46, 7976-7979.	7.2	341
20	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. Nature Nanotechnology, 2021, 16, 1011-1018.	15.6	335
21	Spatially Confined Fabrication of Coreâ€“Shell Gold Nanocages@Mesoporous Silica for Near-Infrared Controlled Photothermal Drug Release. Chemistry of Materials, 2013, 25, 3030-3037.	3.2	302
22	Epitaxial Seeded Growth of Rareâ€Earth Nanocrystals with Efficient 800â€…nm Nearâ€Infrared to 1525â€…nm Shortâ€Wavelength Infrared Downconversion Photoluminescence for Inâ€…Vivo Bioimaging. Angewandte Chemie - International Edition, 2014, 53, 12086-12090.	7.2	300
23	Direct Imaging the Upconversion Nanocrystal Core/Shell Structure at the Subnanometer Level: Shell Thickness Dependence in Upconverting Optical Properties. Nano Letters, 2012, 12, 2852-2858.	4.5	287
24	Design, synthesis and applications of coreâ€“shell, hollow core, and nanorattle multifunctional nanostructures. Nanoscale, 2016, 8, 2510-2531.	2.8	283
25	Nearâ€Infraredâ€Triggered Azobenzeneâ€Liposome/Upconversion Nanoparticle Hybrid Vesicles for Remotely Controlled Drug Delivery to Overcome Cancer Multidrug Resistance. Advanced Materials, 2016, 28, 9341-9348.	11.1	279
26	Hydrothermal Etching Assisted Crystallization: A Facile Route to Functional Yolk-Shell Titanate Microspheres with Ultrathin Nanosheets-Assembled Double Shells. Journal of the American Chemical Society, 2011, 133, 15830-15833.	6.6	278
27	Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth: Shell Thickness and Doping Position Dependence in Upconverting Optical Properties. Chemistry of Materials, 2013, 25, 106-112.	3.2	277
28	Er³⁺ Sensitized 1530â€…nm to 1180â€…nm Second Nearâ€Infrared Window Upconversion Nanocrystals for Inâ€…Vivo Biosensing. Angewandte Chemie - International Edition, 2018, 57, 7518-7522.	7.2	271
29	Stable, Wavelengthâ€Tunable Fluorescent Dyes in the NIRâ€II Region for Inâ€…Vivo Highâ€Contrast Bioimaging and Multiplexed Biosensing. Angewandte Chemie - International Edition, 2019, 58, 8166-8171.	7.2	270
30	Single-band upconversion nanoprobes for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. Nature Communications, 2015, 6, 6938.	5.8	269
31	Synthesis, Multi-Nonlinear Dielectric Resonance, and Excellent Electromagnetic Absorption Characteristics of Fe₃O₄/ZnO Core/Shell Nanorods. Journal of Physical Chemistry C, 2010, 114, 9239-9244.	1.5	254
32	Role of Nanoparticle Mechanical Properties in Cancer Drug Delivery. ACS Nano, 2019, 13, 7410-7424.	7.3	243
33	Bioinspired Diselenideâ€Bridged Mesoporous Silica Nanoparticles for Dualâ€Responsive Protein Delivery. Advanced Materials, 2018, 30, e1801198.	11.1	234
34	Organic NIR-II molecule with long blood half-life for in vivo dynamic vascular imaging. Nature Communications, 2020, 11, 3102.	5.8	226
35	Filtration Shell Mediated Power Density Independent Orthogonal Excitationsâ€“Emissions Upconversion Luminescence. Angewandte Chemie - International Edition, 2016, 55, 2464-2469.	7.2	219
36	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. ACS Central Science, 2017, 3, 839-846.	5.3	207

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37	Stable, Wavelengthâ€Tunable Fluorescent Dyes in the NIRâ€II Region for Inâ€…Vivo Highâ€Contrast Bioimaging and Multiplexed Biosensing. Angewandte Chemie, 2019, 131, 8250-8255.	1.6	206
38	In Vivo High-resolution Ratiometric Fluorescence Imaging of Inflammation Using NIR-II Nanoprobes with 1550 nm Emission. Nano Letters, 2019, 19, 2418-2427.	4.5	202
39	Solvent-Assisted Self-Assembly of a Metalâ€“Organic Framework Based Biocatalyst for Cascade Reaction Driven Photodynamic Therapy. Journal of the American Chemical Society, 2020, 142, 6822-6832.	6.6	201
40	In vivo gastrointestinal drug-release monitoring through second near-infrared window fluorescent bioimaging with orally delivered microcarriers. Nature Communications, 2017, 8, 14702.	5.8	200
41	Tm³⁺â€Sensitized NIRâ€II Fluorescent Nanocrystals for Inâ€…Vivo Information Storage and Decoding. Angewandte Chemie - International Edition, 2019, 58, 10153-10157.	7.2	196
42	Shape, Size, and Phaseâ€Controlled Rareâ€Earth Fluoride Nanocrystals with Optical Upâ€Conversion Properties. Chemistry - A European Journal, 2009, 15, 11010-11019.	1.7	195
43	Nd3+ Sensitized Up/Down Converting Dual-Mode Nanomaterials for Efficient In-vitro and In-vivo Bioimaging Excited at 800â€…nm. Scientific Reports, 2013, 3, 3536.	1.6	188
44	Highly efficient lanthanide upconverting nanomaterials: Progresses and challenges. Nano Today, 2013, 8, 643-676.	6.2	177
45	Engineering Homogeneous Doping in Single Nanoparticle To Enhance Upconversion Efficiency. Nano Letters, 2014, 14, 3634-3639.	4.5	176
46	Controlled Synthesis of Ordered Mesoporous Câ^'TiO₂ Nanocomposites with Crystalline Titania Frameworks from Organicâ^'Inorganicâ^'Amphiphilic Coassembly. Chemistry of Materials, 2008, 20, 1140-1146.	3.2	173
47	A New Generation of NIRâ€II Probes: Lanthanideâ€Based Nanocrystals for Bioimaging and Biosensing. Advanced Optical Materials, 2019, 7, 1801417.	3.6	172
48	Dualâ€Pore Mesoporous Carbon@Silica Composite Coreâ€“Shell Nanospheres for Multidrug Delivery. Angewandte Chemie - International Edition, 2014, 53, 5366-5370.	7.2	170
49	Neutrophil-like Cell-Membrane-Coated Nanozyme Therapy for Ischemic Brain Damage and Long-Term Neurological Functional Recovery. ACS Nano, 2021, 15, 2263-2280.	7.3	170
50	Fluorescence Upconversion Microbarcodes for Multiplexed Biological Detection: Nucleic Acid Encoding. Advanced Materials, 2011, 23, 3775-3779.	11.1	169
51	NIRâ€Triggered Release of Caged Nitric Oxide using Upconverting Nanostructured Materials. Small, 2012, 8, 3800-3805.	5.2	168
52	Deformable Hollow Periodic Mesoporous Organosilica Nanocapsules for Significantly Improved Cellular Uptake. Journal of the American Chemical Society, 2018, 140, 1385-1393.	6.6	168
53	Container Effect in Nanocasting Synthesis of Mesoporous Metal Oxides. Journal of the American Chemical Society, 2011, 133, 14542-14545.	6.6	167
54	A Tumorâ€Microenvironmentâ€Responsive Lanthanideâ€“Cyanine FRET Sensor for NIRâ€II Luminescenceâ€Lifetime In Situ Imaging of Hepatocellular Carcinoma. Advanced Materials, 2020, 32, e2001172.	11.1	166

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55	Core-shell Ag@SiO2@mSiO2 mesoporous nanocarriers for metal-enhanced fluorescence. Chemical Communications, 2011, 47, 11618.	2.2	164
56	Anisotropic Encapsulation-Induced Synthesis of Asymmetric Single-Hole Mesoporous Nanocages. Journal of the American Chemical Society, 2015, 137, 5903-5906.	6.6	164
57	NIR-II bioluminescence for in vivo high contrast imaging and in situ ATP-mediated metastases tracing. Nature Communications, 2020, 11, 4192.	5.8	163
58	Highly reversible and ultra-fast lithium storage in mesoporous graphene-based TiO2/SnO2 hybrid nanosheets. Energy and Environmental Science, 2013, 6, 2447.	15.6	161
59	Exploiting lanthanide-doped upconversion nanoparticles with core/shell structures. Nano Today, 2019, 25, 68-84.	6.2	158
60	Molecular Fluorophores for Deep-Tissue Bioimaging. ACS Central Science, 2020, 6, 1302-1316.	5.3	149
61	Supramolecularly Engineered NIRâ€II and Upconversion Nanoparticles In Vivo Assembly and Disassembly to Improve Bioimaging. Advanced Materials, 2018, 30, e1804982.	11.1	146
62	Intense near-infrared-II luminescence from NaCeF₄:Er/Yb nanoprobes for in vitro bioassay and in vivo bioimaging. Chemical Science, 2018, 9, 4682-4688.	3.7	145
63	Precise Inâ€…Vivo Inflammation Imaging Using Inâ€…Situ Responsive Crossâ€linking of Glutathioneâ€Modified Ultraâ€Small NIRâ€II Lanthanide Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 2050-2054.	7.2	144
64	Synthesis of Uniform Rare Earth Fluoride (NaMF₄) Nanotubes by In Situ Ion Exchange from Their Hydroxide [M(OH)₃] Parents. ACS Nano, 2009, 3, 159-164.	7.3	142
65	Peroxynitrite Activatable NIR-II Fluorescent Molecular Probe for Drug-Induced Hepatotoxicity Monitoring. Analytical Chemistry, 2019, 91, 4771-4779.	3.2	141
66	NIR luminescent nanomaterials for biomedical imaging. Journal of Materials Chemistry B, 2014, 2, 2422.	2.9	139
67	Orthogonal near-infrared upconversion co-regulated site-specific O 2 delivery and photodynamic therapy for hypoxia tumor by using red blood cell microcarriers. Biomaterials, 2017, 125, 90-100.	5.7	138
68	A hybrid erbium(III)â€“bacteriochlorin near-infrared probe for multiplexed biomedical imaging. Nature Materials, 2021, 20, 1571-1578.	13.3	138
69	Formation of Hollow Upconversion Rare-Earth Fluoride Nanospheres: Nanoscale Kirkendall Effect During Ion Exchange. Chemistry of Materials, 2009, 21, 5237-5243.	3.2	135
70	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. Angewandte Chemie - International Edition, 2019, 58, 13208-13219.	7.2	134
71	Bright and Stable NIRâ€II Jâ€Aggregated AIE Dibodipyâ€Based Fluorescent Probe for Dynamic Inâ€…Vivo Bioimaging. Angewandte Chemie - International Edition, 2021, 60, 3967-3973.	7.2	128
72	Beyond 1000 nm Emission Wavelength: Recent Advances in Organic and Inorganic Emitters for Deepâ€Tissue Molecular Imaging. Advanced Healthcare Materials, 2019, 8, e1900260.	3.9	125

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73	Nitric Oxide Releasing Materials Triggered by Near-Infrared Excitation Through Tissue Filters. Journal of the American Chemical Society, 2013, 135, 18145-18152.	6.6	124
74	Carbon dots modified mesoporous organosilica as an adsorbent for the removal of 2,4-dichlorophenol and heavy metal ions. Journal of Materials Chemistry A, 2015, 3, 13357-13364.	5.2	124
75	Low-Temperature Pseudomorphic Transformation of Ordered Hierarchical Macro-mesoporous SiO₂/C Nanocomposite to SiC via Magnesiothermic Reduction. Journal of the American Chemical Society, 2010, 132, 5552-5553.	6.6	123
76	Rational Design of Near-Infrared-II Organic Molecular Dyes for Bioimaging and Biosensing. , 2020, 2, 905-917.		123
77	Spatial Isolation of Carbon and Silica in a Single Janus Mesoporous Nanoparticle with Tunable Amphiphilicity. Journal of the American Chemical Society, 2018, 140, 10009-10015.	6.6	120
78	Highâ€Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. Angewandte Chemie - International Edition, 2018, 57, 12824-12829.	7.2	119
79	Formation of Mesoporous Carbon With a Face-Centered-CubicFdm Structure and Bimodal Architectural Pores From the Reverse Amphiphilic Triblock Copolymer PPO-PEO-PPO. Angewandte Chemie - International Edition, 2007, 46, 1089-1093.	7.2	117
80	Magnetic-mesoporous Janus nanoparticles. Chemical Communications, 2011, 47, 1225-1227.	2.2	115
81	Interface Tension-Induced Synthesis of Monodispersed Mesoporous Carbon Hemispheres. Journal of the American Chemical Society, 2015, 137, 2808-2811.	6.6	113
82	NIRâ€Ⅱ Chemiluminescence Molecular Sensor for Inâ€…Vivo Highâ€Contrast Inflammation Imaging. Angewandte Chemie - International Edition, 2020, 59, 18380-18385.	7.2	112
83	Nearâ€Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. Angewandte Chemie - International Edition, 2018, 57, 2611-2615.	7.2	111
84	Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. ACS Applied Materials & Interfaces, 2015, 7, 17450-17459.	4.0	110
85	Janus Silver-Mesoporous Silica Nanocarriers for SERS Traceable and pH-Sensitive Drug Delivery in Cancer Therapy. ACS Applied Materials & Interfaces, 2016, 8, 4303-4308.	4.0	106
86	Mesoporous Carbon Single-Crystals from Organicâˆ'Organic Self-Assembly. Journal of the American Chemical Society, 2007, 129, 7746-7747.	6.6	105
87	Mesoporous Silica Encapsulating Upconversion Luminescence Rare-Earth Fluoride Nanorods for Secondary Excitation. Langmuir, 2010, 26, 8850-8856.	1.6	105
88	Surfactant-Free Synthesis of Bi₂Te₃âˆ'Te Microâˆ'Nano Heterostructure with Enhanced Thermoelectric Figure of Merit. ACS Nano, 2011, 5, 3158-3165.	7.3	104
89	An Efficient 1064 nm NIRâ€Ⅱ Excitation Fluorescent Molecular Dye for Deepâ€Tissue Highâ€Resolution Dynamic Bioimaging. Angewandte Chemie, 2018, 130, 7605-7609.	1.6	104
90	Surfactant-templating strategy for ultrathin mesoporous TiO2 coating on flexible graphitized carbon supports for high-performance lithium-ion battery. Nano Energy, 2016, 25, 80-90.	8.2	103

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91	Highâ€Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. Angewandte Chemie, 2018, 130, 13006-13011.	1.6	102
92	Activatable fluorescence sensors for in vivo bio-detection in the second near-infrared window. Chemical Science, 2021, 12, 3448-3459.	3.7	101
93	Synthesis of ordered mesoporous alumina with large pore sizes and hierarchical structure. Microporous and Mesoporous Materials, 2011, 143, 406-412.	2.2	100
94	NIRâ€II pH Sensor with a FRET Adjustable Transition Point for In Situ Dynamic Tumor Microenvironment Visualization. Angewandte Chemie - International Edition, 2021, 60, 5091-5095.	7.2	100
95	Rareâ€Earth Upconverting Nanobarcodes for Multiplexed Biological Detection. Small, 2011, 7, 1972-1976.	5.2	96
96	ROS/RNS and Base Dual Activatable Merocyanineâ€Based NIRâ€II Fluorescent Molecular Probe for in vivo Biosensing. Angewandte Chemie - International Edition, 2021, 60, 26337-26341.	7.2	92
97	A mini-review on recent progress of new sensitizers for luminescence of lanthanide doped nanomaterials. Nano Research, 2020, 13, 1795-1809.	5.8	89
98	Kilogram-scale synthesis of ordered mesoporous carbons and their electrochemical performance. Carbon, 2011, 49, 4580-4588.	5.4	88
99	Monodisperse core-shell structured magnetic mesoporous aluminosilicate nanospheres with large dendritic mesochannels. Nano Research, 2015, 8, 2503-2514.	5.8	84
100	Near-infrared rechargeable â€œoptical batteryâ€•implant for irradiation-free photodynamic therapy. Biomaterials, 2018, 163, 154-162.	5.7	83
101	ZnO supported on high silica HZSM-5 as new catalysts for dehydrogenation of propane to propene in the presence of CO2. Catalysis Today, 2009, 148, 316-322.	2.2	82
102	Chromium oxide supported on ZSM-5 as a novel efficient catalyst for dehydrogenation of propane with CO2. Microporous and Mesoporous Materials, 2011, 145, 194-199.	2.2	79
103	Photoluminescence modification in upconversion rare-earth fluoride nanocrystal array constructed photonic crystals. Journal of Materials Chemistry, 2010, 20, 3895.	6.7	78
104	Bioapplications and biotechnologies of upconversion nanoparticle-based nanosensors. Analyst, The, 2016, 141, 3601-3620.	1.7	75
105	Activity-based fluorescence probes for pathophysiological peroxynitrite fluxes. Coordination Chemistry Reviews, 2022, 454, 214356.	9.5	72
106	Hydrothermal synthesis of hydroxyapatite nanorods in the presence of anionic starburst dendrimer. Materials Letters, 2005, 59, 1422-1425.	1.3	71
107	Activatable Two-Photon Near-Infrared Fluorescent Probe Tailored toward Peroxynitrite In Vivo Imaging in Tumors. Analytical Chemistry, 2020, 92, 13305-13312.	3.2	71
108	Near-infrared manipulation of multiple neuronal populations via trichromatic upconversion. Nature Communications, 2021, 12, 5662.	5.8	70

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109	Highly Biocompatible Zwitterionic Phospholipids Coated Upconversion Nanoparticles for Efficient Bioimaging. Analytical Chemistry, 2014, 86, 9749-9757.	3.2	66
110	Size and charge dual-transformable mesoporous nanoassemblies for enhanced drug delivery and tumor penetration. Chemical Science, 2020, 11, 2819-2827.	3.7	66
111	A Promising NIRâ€II Fluorescent Sensor for Peptideâ€Mediated Longâ€Term Monitoring of Kidney Dysfunction. Angewandte Chemie - International Edition, 2021, 60, 15809-15815.	7.2	66
112	Multifunctional Upconversion-Magnetic Hybrid Nanostructured Materials: Synthesis and Bioapplications. Theranostics, 2013, 3, 292-305.	4.6	65
113	Mesoporous Silicaâ€Coated Plasmonic Nanostructures for Surfaceâ€Enhanced Raman Scattering Detection and Photothermal Therapy. Advanced Healthcare Materials, 2014, 3, 1620-1628.	3.9	65
114	Surface-kinetics mediated mesoporous multipods for enhanced bacterial adhesion and inhibition. Nature Communications, 2019, 10, 4387.	5.8	65
115	Oxidative dehydrogenation of ethane with CO2 over Cr supported on submicron ZSM-5 zeolite. Chinese Journal of Catalysis, 2015, 36, 1242-1248.	6.9	64
116	Independent Luminescent Lifetime and Intensity Tuning of Upconversion Nanoparticles by Gradient Doping for Multiplexed Encoding. Angewandte Chemie - International Edition, 2021, 60, 7041-7045.	7.2	64
117	Imparting multi-functionality to covalent organic framework nanoparticles by the dual-ligand assistant encapsulation strategy. Nature Communications, 2021, 12, 4556.	5.8	62
118	Oneâ€Step Hydrothermal Synthesis of Carboxylâ€Functionalized Upconversion Phosphors for Bioapplications. Chemistry - A European Journal, 2012, 18, 13642-13650.	1.7	61
119	Small-Molecule Lanthanide Complexes Probe for Second Near-Infrared Window Bioimaging. Analytical Chemistry, 2018, 90, 7946-7952.	3.2	61
120	A Bright, Renalâ€Clearable NIRâ€II Brush Macromolecular Probe with Long Blood Circulation Time for Kidney Disease Bioimaging. Angewandte Chemie - International Edition, 2022, 61, .	7.2	59
121	Highâ€Fidelity NIRâ€II Multiplexed Lifetime Bioimaging with Bright Double Interfaced Lanthanide Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 23545-23551.	7.2	58
122	In situ-prepared homogeneous supramolecular organic framework drug delivery systems (sof-DDSs): Overcoming cancer multidrug resistance and controlled release. Chinese Chemical Letters, 2017, 28, 798-806.	4.8	57
123	Mesoporous TiO₂@N-doped carbon composite nanospheres synthesized by the direct carbonization of surfactants after solâ€“gel process for superior lithium storage. Nanoscale, 2017, 9, 1539-1546.	2.8	57
124	Recent progress in NIR-II emitting lanthanide-based nanoparticles and their biological applications. Journal of Rare Earths, 2020, 38, 451-463.	2.5	56
125	Engine-Trailer-Structured Nanotrucks for Efficient Nano-Bio Interactions and Bioimaging-Guided Drug Delivery. CheM, 2020, 6, 1097-1112.	5.8	55
126	Magnetic/upconversion luminescent mesoparticles of Fe3O4@LaF3:Yb3+, Er3+ for dual-modal bioimaging. Chemical Communications, 2012, 48, 11238.	2.2	54

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127	Degradationâ€Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. Advanced Materials, 2017, 29, 1701652.	11.1	53
128	Orthogonal Multiplexed Luminescence Encoding with Nearâ€Infrared Rechargeable Upconverting Persistent Luminescence Composites. Advanced Optical Materials, 2017, 5, 1700680.	3.6	52
129	Independent Luminescent Lifetime and Intensity Tuning of Upconversion Nanoparticles by Gradient Doping for Multiplexed Encoding. Angewandte Chemie, 2021, 133, 7117-7121.	1.6	50
130	Elemental Migration in Core/Shell Structured Lanthanide Doped Nanoparticles. Chemistry of Materials, 2019, 31, 5608-5615.	3.2	49
131	Counterionâ€Paired Bright Heptamethine Fluorophores with NIRâ€II Excitation and Emission Enable Multiplexed Biomedical Imaging. Angewandte Chemie - International Edition, 2022, 61, .	7.2	49
132	NIR-II Ratiometric Lanthanide-Dye Hybrid Nanoprobes Doped Bioscaffolds for In Situ Bone Repair Monitoring. Nano Letters, 2022, 22, 783-791.	4.5	48
133	Loading-free supramolecular organic framework drug delivery systems (sof-DDSs) for doxorubicin: normal plasm and multidrug resistant cancer cell-adaptive delivery and release. Chinese Chemical Letters, 2017, 28, 893-899.	4.8	45
134	Overcoming immune resistance by sequential prodrug nanovesicles for promoting chemoimmunotherapy of cancer. Nano Today, 2021, 36, 101025.	6.2	45
135	Ultrasonication-Triggered Ubiquitous Assembly of Magnetic Janus Amphiphilic Nanoparticles in Cancer Theranostic Applications. Nano Letters, 2019, 19, 4118-4125.	4.5	44
136	Effect of anionic PAMAM with amido groups starburst dendrimers on the crystallization of Ca10(PO4)6(OH)2 by hydrothermal method. Materials Chemistry and Physics, 2006, 99, 164-169.	2.0	43
137	Near-Infrared-Activated Upconversion Nanoprobes for Sensitive Endogenous Zn²⁺ Detection and Selective On-Demand Photodynamic Therapy. Analytical Chemistry, 2017, 89, 3492-3500.	3.2	43
138	Er³⁺ Sensitized 1530â€…nm to 1180â€…nm Second Nearâ€Infrared Window Upconversion Nanocrystals for Inâ€…Vivo Biosensing. Angewandte Chemie, 2018, 130, 7640-7644.	1.6	41
139	Fabrication of ordered magnetite-doped rare earth fluoride nanotube arrays by nanocrystal self-assembly. Nano Research, 2009, 2, 292-305.	5.8	40
140	Polymer-directed synthesis of metal oxide-containing nanomaterials for electrochemical energy storage. Nanoscale, 2014, 6, 106-121.	2.8	40
141	Large pore mesostructured cellular silica foam coated magnetic oxide composites with multilamellar vesicle shells for adsorption. Chemical Communications, 2014, 50, 713-715.	2.2	40
142	Tm³⁺â€Sensitized NIRâ€II Fluorescent Nanocrystals for Inâ€…Vivo Information Storage and Decoding. Angewandte Chemie, 2019, 131, 10259-10263.	1.6	40
143	Synthesis of Mesoporous Silica/Reduced Graphene Oxide Sandwich-Like Sheets with Enlarged and â€œFunnelingâ€•Mesochannels. Chemistry of Materials, 2015, 27, 5577-5586.	3.2	39
144	Ordered Mesostructured Rare-Earth Fluoride Nanowire Arrays with Upconversion Fluorescence. Chemistry of Materials, 2008, 20, 3778-3784.	3.2	38

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145	Carbonâ€Dotâ€Sensitized, Nitrogenâ€Doped TiO₂ in Mesoporous Silica for Water Decontamination through Nonhydrophobic Enrichmentâ€“Degradation Mode. Chemistry - A European Journal, 2015, 21, 17944-17950.	1.7	38
146	Precise Inâ€…Vivo Inflammation Imaging Using Inâ€…Situ Responsive Crossâ€linking of Glutathioneâ€Modified Ultraâ€Small NIRâ€II Lanthanide Nanoparticles. Angewandte Chemie, 2019, 131, 2072-2076.	1.6	38
147	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. Angewandte Chemie, 2019, 131, 13342-13353.	1.6	37
148	Molecular Engineering of NIRâ€II Fluorophores for Improved Biomedical Detection. Angewandte Chemie, 2021, 133, 16430-16444.	1.6	37
149	Preparation of discrete nanosize ceria powder. Ceramics International, 2004, 30, 997-1002.	2.3	36
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