Fei He

List of Publications by Citations

225 papers	10,477 citations	59 h-index	89 g-index
242 ext. papers	12,880 ext. citations	9.1 avg, IF	6.62 L-index

#	Paper	IF	Citations
225	Recent advances in functional nanomaterials for light-triggered cancer therapy. *Nano Today*, **2018**, 19, 146-187	17.9	325
224	A yolk-like multifunctional platform for multimodal imaging and synergistic therapy triggered by a single near-infrared light. *ACS Nano*, **2015**, 9, 1630-47	16.7	295
223	Highly Emissive Dye-Sensitized Upconversion Nanostructure for Dual-Photosensitizer Photodynamic Therapy and Bioimaging. *ACS Nano*, **2017**, 11, 4133-4144	16.7	262
222	Magnetic Targeting, Tumor Microenvironment-Responsive Intelligent Nanocatalysts for Enhanced Tumor Ablation. *ACS Nano*, **2018**, 12, 11000-11012	16.7	247
221	A sandwich-type three-dimensional layered double hydroxide nanosheet array/graphene composite: fabrication and high supercapacitor performance. *Journal of Materials Chemistry A*, **2014**, 2, 1022-1031	13	212
220	Assembly of Au Plasmonic Photothermal Agent and Iron Oxide Nanoparticles on Ultrathin Black Phosphorus for Targeted Photothermal and Photodynamic Cancer Therapy. *Advanced Functional Materials*, **2017**, 27, 1700371	15.6	211
219	Poly(Acrylic Acid) Modification of Nd3+-Sensitized Upconversion Nanophosphors for Highly Efficient UCL Imaging and pH-Responsive Drug Delivery. *Advanced Functional Materials*, **2015**, 25, 4717-4729	15.6	196
218	Tumor Microenvironment-Responsive Mesoporous MnO2-Coated Upconversion Nanoplatform for Self-Enhanced Tumor Theranostics. *Advanced Functional Materials*, **2018**, 28, 1803804	15.6	182
217	An imaging-guided platform for synergistic photodynamic/photothermal/chemo-therapy with pH/temperature-responsive drug release. *Biomaterials*, **2015**, 63, 115-27	15.6	175
216	Integration of Upconversion Nanoparticles and Ultrathin Black Phosphorus for Efficient Photodynamic Theranostics under 808 nm Near-Infrared Light Irradiation. *Chemistry of Materials*, **2016**, 28, 4724-4734	9.6	174
215	Recent advances in near-infrared emitting lanthanide-doped nanoconstructs: Mechanism, design and application for bioimaging. *Coordination Chemistry Reviews*, **2019**, 381, 104-134	23.2	165
214	A New Single 808 nm NIR Light-Induced Imaging-Guided Multifunctional Cancer Therapy Platform. *Advanced Functional Materials*, **2015**, 25, 3966-3976	15.6	163
213	Tunable multicolor and bright white emission of one-dimensional NaLuF4:Yb3+,Ln3+ (Ln = Er, Tm, Ho, Er/Tm, Tm/Ho) microstructures. *Journal of Materials Chemistry*, **2012**, 22, 10889		151
212	GSH-Depleted Nanozymes with Hyperthermia-Enhanced Dual Enzyme-Mimic Activities for Tumor Nanocatalytic Therapy. *Advanced Materials*, **2020**, 32, e2002439	24	135
211	g-C3N4 Coated Upconversion Nanoparticles for 808 nm Near-Infrared Light Triggered Phototherapy and Multiple Imaging. *Chemistry of Materials*, **2016**, 28, 7935-7946	9.6	135
210	Upconversion-mediated ZnFeO nanoplatform for NIR-enhanced chemodynamic and photodynamic therapy. *Chemical Science*, **2019**, 10, 4259-4271	9.4	116
209	A Single 808 nm Near-Infrared Light-Mediated Multiple Imaging and Photodynamic Therapy Based on Titania Coupled Upconversion Nanoparticles. *Chemistry of Materials*, **2015**, 27, 7957-7968	9.6	114

208	Reduced graphene oxide/Ni(1-x)Co(x)Al-layered double hydroxide composites: preparation and high supercapacitor performance. *Dalton Transactions*, **2014**, 43, 11667-75	4.3	106
207	Emerging graphitic carbon nitride-based materials for biomedical applications. *Progress in Materials Science*, **2020**, 112, 100666	42.2	104
206	Multifunctional Anticancer Platform for Multimodal Imaging and Visible Light Driven Photodynamic/Photothermal Therapy. *Chemistry of Materials*, **2015**, 27, 1751-1763	9.6	104
205	All-in-One Theranostic Nanomedicine with Ultrabright Second Near-Infrared Emission for Tumor-Modulated Bioimaging and Chemodynamic/Photodynamic Therapy. *ACS Nano*, **2020**, 14, 9613-9625	16.7	97
204	Hollow Structured Y2O3:Yb/Er□uxS Nanospheres with Controllable Size for Simultaneous Chemo/Photothermal Therapy and Bioimaging. *Chemistry of Materials*, **2015**, 27, 483-496	9.6	95
203	Integration of IR-808 Sensitized Upconversion Nanostructure and MoS Nanosheet for 808 nm NIR Light Triggered Phototherapy and Bioimaging. *Small*, **2017**, 13, 1701841	11	93
202	Hyaluronic acid-targeted and pH-responsive drug delivery system based on metal-organic frameworks for efficient antitumor therapy. *Biomaterials*, **2019**, 223, 119473	15.6	90
201	Au25 cluster functionalized metal-organic nanostructures for magnetically targeted photodynamic/photothermal therapy triggered by single wavelength 808 nm near-infrared light. *Nanoscale*, **2015**, 7, 19568-78	7.7	89
200	Rapid microwave reflux process for the synthesis of pure hexagonal NaYF4:Yb3+,Ln3+,Bi3+ (Ln3+ = Er3+, Tm3+, Ho3+) and its enhanced UC luminescence. *Journal of Materials Chemistry*, **2012**, 22, 21613		88
199	Monodisperse Gd2O3:Ln (Ln = Eu3+, Tb3+, Dy3+, Sm3+, Yb3+/Er3+, Yb3+/Tm3+, and Yb3+/Ho3+) nanocrystals with tunable size and multicolor luminescent properties. *CrystEngComm*, **2011**, 13, 5480	3.3	88
198	In situ assembly of well-dispersed Ni nanoparticles on silica nanotubes and excellent catalytic activity in 4-nitrophenol reduction. *Nanoscale*, **2014**, 6, 11181-8	7.7	84
197	Yolk-Structured Upconversion Nanoparticles with Biodegradable Silica Shell for FRET Sensing of Drug Release and Imaging-Guided Chemotherapy. *Chemistry of Materials*, **2017**, 29, 7615-7628	9.6	80
196	Fusiform-Like Copper(II)-Based Metal-Organic Framework through Relief Hypoxia and GSH-Depletion Co-Enhanced Starvation and Chemodynamic Synergetic Cancer Therapy. *ACS Applied Materials & Interfaces*, **2020**, 12, 17254-17267	9.5	79
195	Glutathione Mediated Size-Tunable UCNPs-Pt(IV)-ZnFe O Nanocomposite for Multiple Bioimaging Guided Synergetic Therapy. *Small*, **2018**, 14, e1703809	11	79
194	Ultra small and highly dispersed Fe3O4 nanoparticles anchored on reduced graphene for supercapacitor application. *Electrochimica Acta*, **2016**, 190, 566-573	6.7	79
193	Hollow structured and flower-like C@MnCo2O4 composite for high electrochemical performance in a supercapacitor. *CrystEngComm*, **2014**, 16, 9873-9881	3.3	79
192	Fabrication and electrochemical performance of 3D hierarchical □Ni(OH)2 hollow microspheres wrapped in reduced graphene oxide. *Journal of Materials Chemistry A*, **2013**, 1, 9083	13	78
191	Glutathione and H2O2 consumption promoted photodynamic and chemotherapy based on biodegradable MnO2□t@Au25 nanosheets. *Chemical Engineering Journal*, **2019**, 356, 543-553	14.7	78

190	Hydrothermal synthesis and luminescent properties of YVO4:Ln(3+) (Ln = Eu, Dy, and Sm) microspheres. *Journal of Colloid and Interface Science*, **2010**, 343, 71-8	9.3	77
189	Preparation and up-conversion luminescence of hollow La2O3:Ln (Ln = Yb/Er, Yb/Ho) microspheres. *Langmuir*, **2011**, 27, 5616-23	4	76
188	Tumour microenvironment responsive nanoconstructs for cancer theranostic. *Nano Today*, **2019**, 26, 16-56	17.9	73
187	A core/shell/satellite anticancer platform for 808 NIR light-driven multimodal imaging and combined chemo-/photothermal therapy. *Nanoscale*, **2015**, 7, 13747-58	7.7	73
186	Controllable Generation of Free Radicals from Multifunctional Heat-Responsive Nanoplatform for Targeted Cancer Therapy. *Chemistry of Materials*, **2018**, 30, 526-539	9.6	73
185	Uniform Ni/SiO2@Au magnetic hollow microspheres: rational design and excellent catalytic performance in 4-nitrophenol reduction. *Nanoscale*, **2014**, 6, 7025-32	7.7	73
184	Uniformly Dispersed ZnFeO Nanoparticles on Nitrogen-Modified Graphene for High-Performance Supercapacitor as Electrode. *Scientific Reports*, **2017**, 7, 43116	4.9	72
183	Hyperthermia and Controllable Free Radical Coenhanced Synergistic Therapy in Hypoxia Enabled by Near-Infrared-II Light Irradiation. *ACS Nano*, **2019**, 13, 13144-13160	16.7	72
182	Construction of Bi/phthalocyanine manganese nanocomposite for trimodal imaging directed photodynamic and photothermal therapy mediated by 808 nm light. *Biomaterials*, **2020**, 228, 119569	15.6	70
181	Self-Assembled Single-Site Nanozyme for Tumor-Specific Amplified Cascade Enzymatic Therapy. *Angewandte Chemie - International Edition*, **2021**, 60, 3001-3007	16.4	67
180	Charge convertibility and near infrared photon co-enhanced cisplatin chemotherapy based on upconversion nanoplatform. *Biomaterials*, **2017**, 130, 42-55	15.6	65
179	Nitrogen-enriched, double-shelled carbon/layered double hydroxide hollow microspheres for excellent electrochemical performance. *Nanoscale*, **2014**, 6, 10887-95	7.7	65
178	Monodisperse lanthanide fluoride nanocrystals: synthesis and luminescent properties. *Inorganic Chemistry*, **2012**, 51, 3963-71	5.1	65
177	Self-assembled zinc phthalocyanine nanoparticles as excellent photothermal/photodynamic synergistic agent for antitumor treatment. *Chemical Engineering Journal*, **2019**, 361, 117-128	14.7	65
176	An intelligent nanoplatform for simultaneously controlled chemo-, photothermal, and photodynamic therapies mediated by a single NIR light. *Chemical Engineering Journal*, **2019**, 362, 679-691	14.7	64
175	Mesoporous cerium oxide-coated upconversion nanoparticles for tumor-responsive chemo-photodynamic therapy and bioimaging. *Chemical Science*, **2019**, 10, 8618-8633	9.4	64
174	Honeycomb-Satellite Structured pH/HO-Responsive Degradable Nanoplatform for Efficient Photodynamic Therapy and Multimodal Imaging. *ACS Applied Materials & Interfaces*, **2018**, 10, 33901-33912	9.5	63
173	Bioresponsive and near infrared photon co-enhanced cancer theranostic based on upconversion nanocapsules. *Chemical Science*, **2018**, 9, 3233-3247	9.4	62

172	Controlled synthesis and enhanced supercapacitor performance of uniform pompon-like Ni(OH)2 hollow microspheres. *Electrochimica Acta*, **2013**, 90, 673-681	6.7	62
171	Rapid, morphologically controllable, large-scale synthesis of uniform Y(OH)3 and tunable luminescent properties of Y2O3:Yb3+/Ln3+ (Ln = Er, Tm and Ho). *Journal of Materials Chemistry*, **2012**, 22, 16136		60
170	Multifunctional Bismuth Ferrite Nanocatalysts with Optical and Magnetic Functions for Ultrasound-Enhanced Tumor Theranostics. *ACS Nano*, **2020**, 14, 7245-7258	16.7	59
169	Influence of surfactants on the morphology, upconversion emission, and magnetic properties of NaGdF4:Yb3+,Ln3+ (Ln = Er, Tm, Ho). *Dalton Transactions*, **2013**, 42, 10019-28	4.3	59
168	Solvothermal synthesis of SrMoO4:Ln (Ln=Eu3+, Tb3+, Dy3+) nanoparticles and its photoluminescence properties at room temperature. *Materials Research Bulletin*, **2011**, 46, 333-339	5.1	59
167	An Ultrasmall SnFe2O4 Nanozyme with Endogenous Oxygen Generation and Glutathione Depletion for Synergistic Cancer Therapy. *Advanced Functional Materials*, **2021**, 31, 2006216	15.6	59
166	Up-conversion nanoparticle assembled mesoporous silica composites: synthesis, plasmon-enhanced luminescence, and near-infrared light triggered drug release. *ACS Applied Materials & Interfaces*, **2014**, 6, 3250-62	9.5	58
165	Self-assembled NaGdF4 microcrystals: hydrothermal synthesis, morphology evolution, and luminescence properties. *Inorganic Chemistry*, **2011**, 50, 4116-24	5.1	58
164	Upconversion processes: versatile biological applications and biosafety. *Nanoscale*, **2017**, 9, 12248-12282	7.7	57
163	A novel 3D structured reduced graphene oxide/TiO2 composite: synthesis and photocatalytic performance. *Journal of Materials Chemistry A*, **2014**, 2, 3605-3612	13	57
162	Preparation of Carbon Dots for Cellular Imaging by the Molecular Aggregation of Cellulolytic Enzyme Lignin. *Langmuir*, **2017**, 33, 5786-5795	4	56
161	Facile fabrication and electrochemical performance of flower-like Fe3O4@C@layered double hydroxide (LDH) composite. *Journal of Materials Chemistry A*, **2014**, 2, 8758-8765	13	56
160	Hydrothermal synthesis, dimension evolution and luminescence properties of tetragonal LaVO4:Ln (Ln = Eu3+, Dy3+, Sm3+) nanocrystals. *Dalton Transactions*, **2011**, 40, 11023-30	4.3	56
159	A Versatile Near Infrared Light Triggered Dual-Photosensitizer for Synchronous Bioimaging and Photodynamic Therapy. *ACS Applied Materials & Interfaces*, **2017**, 9, 12993-13008	9.5	55
158	Combination of CuS and g-C3N4 QDs on upconversion nanoparticles for targeted photothermal and photodynamic cancer therapy. *Chemical Engineering Journal*, **2019**, 360, 866-878	14.7	55
157	O-Generating Metal-Organic Framework-Based Hydrophobic Photosensitizer Delivery System for Enhanced Photodynamic Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 36347-36358	9.5	54
156	MnO2 Nanosheets Grown on Nitrogen-Doped Hollow Carbon Shells as a High-Performance Electrode for Asymmetric Supercapacitors. *Chemistry - A European Journal*, **2015**, 21, 7119-26	4.8	54
155	Boosting Gas Involved Reactions at Nanochannel Reactor with Joint Gas-Solid-Liquid Interfaces and Controlled Wettability. *Journal of the American Chemical Society*, **2017**, 139, 10441-10446	16.4	54

154	Enhanced up/down-conversion luminescence and heat: Simultaneously achieving in one single core-shell structure for multimodal imaging guided therapy. *Biomaterials*, **2016**, 105, 77-88	15.6	54
153	Multifunctional Theranostics for Dual-Modal Photodynamic Synergistic Therapy via Stepwise Water Splitting. *ACS Applied Materials & Interfaces*, **2017**, 9, 6829-6838	9.5	53
152	Controllable synthesis of Ni/SiO hollow spheres and their excellent catalytic performance in 4-nitrophenol reduction. *Dalton Transactions*, **2014**, 43, 16911-8	4.3	53
151	Y2O3:Yb,Er@mSiO2-Cu(x)S double-shelled hollow spheres for enhanced chemo-/photothermal anti-cancer therapy and dual-modal imaging. *Nanoscale*, **2015**, 7, 12180-91	7.7	52
150	Nano-graphene oxide-UCNP-Ce6 covalently constructed nanocomposites for NIR-mediated bioimaging and PTT/PDT combinatorial therapy. *Dalton Transactions*, **2018**, 47, 3931-3939	4.3	52
149	Highly uniform hollow GdF3 spheres: controllable synthesis, tuned luminescence, and drug-release properties. *ACS Applied Materials & Interfaces*, **2013**, 5, 10806-18	9.5	52
148	808 nm near-infrared light controlled dual-drug release and cancer therapy in vivo by upconversion mesoporous silica nanostructures. *Journal of Materials Chemistry B*, **2017**, 5, 2086-2095	7.3	48
147	Multifunctional UCNPs@MnSiO@g-CN nanoplatform: improved ROS generation and reduced glutathione levels for highly efficient photodynamic therapy. *Biomaterials Science*, **2017**, 5, 2456-2467	7.4	48
146	Bismuth Nanoparticles with Light Property Served as a Multifunctional Probe for X-ray Computed Tomography and Fluorescence Imaging. *Chemistry of Materials*, **2018**, 30, 3301-3307	9.6	48
145	A Novel double-shelled C@NiO hollow microsphere: Synthesis and application for electrochemical capacitor. *Electrochimica Acta*, **2014**, 148, 211-219	6.7	48
144	Controlling Selective Doping and Energy Transfer between Transition Metal and Rare Earth Ions in Nanostructured Glassy Solids. *Advanced Optical Materials*, **2018**, 6, 1701407	8.1	47
143	Fe3O4@MIL-100(Fe)-UCNPs heterojunction photosensitizer: Rational design and application in near infrared light mediated hypoxic tumor therapy. *Chemical Engineering Journal*, **2018**, 354, 1141-1152	14.7	47
142	Au Nanoclusters Sensitized Black TiO Nanotubes for Enhanced Photodynamic Therapy Driven by Near-Infrared Light. *Small*, **2017**, 13, 1703007	11	46
141	Magnetically targeted delivery of DOX loaded Cu9S5@mSiO2@Fe3O4-PEG nanocomposites for combined MR imaging and chemo/photothermal synergistic therapy. *Nanoscale*, **2016**, 8, 12560-9	7.7	46
140	Ni(OH) nanosheets grown on porous hybrid g-CN/RGO network as high performance supercapacitor electrode. *Scientific Reports*, **2017**, 7, 43413	4.9	44
139	Linkage Engineering by Harnessing Supramolecular Interactions to Fabricate 2D Hydrazone-Linked Covalent Organic Framework Platforms toward Advanced Catalysis. *Journal of the American Chemical Society*, **2020**, 142, 18138-18149	16.4	44
138	NIR-driven graphitic-phase carbon nitride nanosheets for efficient bioimaging and photodynamic therapy. *Journal of Materials Chemistry B*, **2016**, 4, 8000-8008	7.3	43
137	Facile synthesis and up-conversion properties of monodisperse rare earth fluoride nanocrystals. *Dalton Transactions*, **2012**, 41, 11716-24	4.3	43

136	Recent Advances in Covalent Organic Framework-Based Nanosystems for Bioimaging and Therapeutic Applications **2020**, 2, 1074-1092		42
135	Multifunctional mesoporous ZrO encapsulated upconversion nanoparticles for mild NIR light activated synergistic cancer therapy. *Biomaterials*, **2017**, 147, 39-52	15.6	41
134	Imaging-Guided and Light-Triggered Chemo-/Photodynamic/Photothermal Therapy Based on Gd (III) Chelated Mesoporous Silica Hybrid Spheres. *ACS Biomaterials Science and Engineering*, **2016**, 2, 2058-2071	5.5	41
133	Intelligent Fe-Mn Layered Double Hydroxides Nanosheets Anchored with Upconversion Nanoparticles for Oxygen-Elevated Synergetic Therapy and Bioimaging. *Small*, **2020**, 16, e2001343	11	40
132	A Core-Shell-Satellite Structured Fe O @g-C N -UCNPs-PEG for T /T -Weighted Dual-Modal MRI-Guided Photodynamic Therapy. *Advanced Healthcare Materials*, **2017**, 6, 1700502	10.1	39
131	Carbon-Dot-Decorated TiO Nanotubes toward Photodynamic Therapy Based on Water-Splitting Mechanism. *Advanced Healthcare Materials*, **2018**, 7, e1800042	10.1	39
130	Synthesis of NaYF4 microcrystals with different morphologies and enhanced up-conversion luminescence properties. *Physical Chemistry Chemical Physics*, **2013**, 15, 16795-805	3.6	39
129	Core-shell structured GdO:Ln@mSiO hollow nanospheres: synthesis, photoluminescence and drug release properties. *Journal of Materials Chemistry B*, **2014**, 2, 2127-2135	7.3	38
128	Lutecium fluoride hollow mesoporous spheres with enhanced up-conversion luminescent bioimaging and light-triggered drug release by gold nanocrystals. *ACS Applied Materials & Interfaces*, **2014**, 6, 15550-63	9.5	38
127	Fabrication and luminescent properties of CaWO4:Ln3+ (Ln = Eu, Sm, Dy) nanocrystals. *Journal of Nanoparticle Research*, **2010**, 12, 2295-2305	2.3	38
126	Metal-organic frameworks join hands to create an anti-cancer nanoplatform based on 808 nm light driving up-conversion nanoparticles. *Chemical Engineering Journal*, **2018**, 344, 363-374	14.7	37
125	Multifunctional SiO2@Gd2O3:Yb/Tm hollow capsules: controllable synthesis and drug release properties. *Inorganic Chemistry*, **2014**, 53, 10917-27	5.1	37
124	Controlled synthesis of luminescent F-substituted strontium hydroxyapatite with hierarchical structures for drug delivery. *CrystEngComm*, **2012**, 14, 1744	3.3	37
123	Uniform fibrous-structured hollow mesoporous carbon spheres for high-performance supercapacitor electrodes. *Electrochimica Acta*, **2015**, 176, 542-547	6.7	36
122	Hollow structured SrMoO:Yb, Ln (Ln = Tm, Ho, Tm/Ho) microspheres: tunable up-conversion emissions and application as drug carriers. *Journal of Materials Chemistry B*, **2013**, 1, 2056-2065	7.3	36
121	Optimization of upconversion luminescence of Nd(3+)-sensitized BaGdF5-based nanostructures and their application in dual-modality imaging and drug delivery. *Dalton Transactions*, **2016**, 45, 1708-16	4.3	35
120	Hierarchical porous CNTs@NCS@MnO2 composites: rational design and high asymmetric supercapacitor performance. *Journal of Materials Chemistry A*, **2015**, 3, 15642-15649	13	34
119	A novel core-shell structured upconversion nanorod as a multimodal bioimaging and photothermal ablation agent for cancer theranostics. *Journal of Materials Chemistry B*, **2018**, 6, 2597-2607	7.3	34

118	Doxorubicin-conjugated CuS nanoparticles for efficient synergistic therapy triggered by near-infrared light. *Dalton Transactions*, **2016**, 45, 5101-10	4.3	34
117	Single bismuth tungstate nanosheets for simultaneous chemo-, photothermal, and photodynamic therapies mediated by near-infrared light. *Chemical Engineering Journal*, **2018**, 351, 1147-1158	14.7	34
116	Surfactant-free synthesis, luminescent properties, and drug-release properties of LaF3 and LaCO3F hollow microspheres. *Inorganic Chemistry*, **2014**, 53, 998-1008	5.1	33
115	Bioapplications of graphene constructed functional nanomaterials. *Chemico-Biological Interactions*, **2017**, 262, 69-89	5	33
114	Upconverted Metal-Organic Framework Janus Architecture for Near-Infrared and Ultrasound Co-Enhanced High Performance Tumor Therapy. *ACS Nano*, **2021**,	16.7	33
113	NIR-driven water splitting by layered bismuth oxyhalide sheets for effective photodynamic therapy. *Journal of Materials Chemistry B*, **2017**, 5, 4152-4161	7.3	32
112	Gadolinium fluoride mesoporous microspheres: controllable synthesis, materials and biological properties. *Journal of Materials Chemistry B*, **2014**, 2, 1791-1801	7.3	31
111	Biomimetic Bone-like Hydroxyapatite by Mineralization on Supramolecular Porous Fiber Networks. *Langmuir*, **2017**, 33, 8493-8502	4	31
110	LaPO4:Eu3+, LaPO4:Ce3+, and LaPO4:Ce3+,Tb3+ nanocrystals: Oleic acid assisted solvothermal synthesis, characterization, and luminescent properties. *Journal of Alloys and Compounds*, **2011**, 509, 3096-3102	5.7	31
109	Design, fabrication, luminescence and biomedical applications of UCNPs@mSiO-ZnPc-CDs-P(NIPAm-MAA) nanocomposites. *Journal of Materials Chemistry B*, **2016**, 4, 5883-5894	7.3	30
108	Manipulating Intratumoral Fenton Chemistry for Enhanced Chemodynamic and Chemodynamic-Synergized Multimodal Therapy. *Advanced Materials*, **2021**, 33, e2104223	24	30
107	Controllable synthesis and up-conversion properties of tetragonal BaYF5:Yb/Ln (Ln=Er, Tm, and Ho) nanocrystals. *Journal of Colloid and Interface Science*, **2011**, 362, 389-96	9.3	29
106	Quad-Model Imaging-Guided High-Efficiency Phototherapy Based on Upconversion Nanoparticles and ZnFeO Integrated Graphene Oxide. *Inorganic Chemistry*, **2018**, 57, 9988-9998	5.1	28
105	Targeted and imaging-guided chemo-photothermal ablation achieved by combining upconversion nanoparticles and protein-capped gold nanodots. *Chemical Engineering Journal*, **2019**, 370, 1239-1250	14.7	27
104	Redox-responsive UCNPs-DPA conjugated NGO-PEG-BPEI-DOX for imaging-guided PTT and chemotherapy for cancer treatment. *Dalton Transactions*, **2018**, 47, 3921-3930	4.3	27
103	Recent advances in porphyrin-based MOFs for cancer therapy and diagnosis therapy. *Coordination Chemistry Reviews*, **2021**, 439, 213945	23.2	27
102	CuS-Pt(iv)-PEG-FA nanoparticles for targeted photothermal and chemotherapy. *Journal of Materials Chemistry B*, **2016**, 4, 5938-5946	7.3	27
101	A novel P-N heterojunction with staggered energy level based on ZnFe2O4 decorating SnS2 nanosheet for efficient photocatalytic degradation. *Applied Surface Science*, **2020**, 510, 145442	6.7	26

100	Multifunctional Theranostic Nanoplatform Based on Fe-mTaO@CuS-ZnPc/PCM for Bimodal Imaging and Synergistically Enhanced Phototherapy. *Inorganic Chemistry*, **2018**, 57, 4864-4876	5.1	26
99	Synthesis of three-dimensional reduced graphene oxide layer supported cobalt nanocrystals and their high catalytic activity in F-T CO2 hydrogenation. *Nanoscale*, **2013**, 5, 8507-16	7.7	26
98	Lanthanide-doped bismuth oxobromide nanosheets for self-activated photodynamic therapy. *Journal of Materials Chemistry B*, **2017**, 5, 7939-7948	7.3	26
97	An all-in-one theranostic nanoplatform based on upconversion dendritic mesoporous silica nanocomposites for synergistic chemodynamic/photodynamic/gas therapy. *Nanoscale*, **2020**, 12, 24146-24161	7.7	25
96	Renal-Clearable Nickel-Doped Carbon Dots with Boosted Photothermal Conversion Efficiency for Multimodal Imaging-Guided Cancer Therapy in the Second Near-Infrared Biowindow. *Advanced Functional Materials*, **2021**, 31, 2100549	15.6	25
95	An intelligent nanoplatform for imaging-guided photodynamic/photothermal/chemo-therapy based on upconversion nanoparticles and CuS integrated black phosphorus. *Chemical Engineering Journal*, **2020**, 382, 122822	14.7	25
94	Morphology-controllable synthesis and enhanced luminescence properties of NaLuF4:Ln (Ln = Eu, Tb and Ce/Tb) microcrystals by solvothermal process. *RSC Advances*, **2012**, 2, 7569	3.7	24
93	A smart tumor microenvironment responsive nanoplatform based on upconversion nanoparticles for efficient multimodal imaging guided therapy. *Biomaterials Science*, **2019**, 7, 951-962	7.4	23
92	Polyaniline electrospinning composite fibers for orthotopic photothermal treatment of tumors in vivo. *New Journal of Chemistry*, **2015**, 39, 4987-4993	3.6	23
91	Polypyrrole-coated UCNPs@mSiO@ZnO nanocomposite for combined photodynamic and photothermal therapy. *Journal of Materials Chemistry B*, **2018**, 6, 8148-8162	7.3	23
90	Self-generation of oxygen and simultaneously enhancing photodynamic therapy and MRI effect: An intelligent nanoplatform to conquer tumor hypoxia for enhanced phototherapy. *Chemical Engineering Journal*, **2020**, 390, 124624	14.7	22
89	Color-tunable and enhanced luminescence of well-defined sodium scandium fluoride nanocrystals. *Dalton Transactions*, **2013**, 42, 7863-70	4.3	22
88	Fabrication of luminescent and mesoporous coreshell structured nanocomposites and their application as drug carrier. *Microporous and Mesoporous Materials*, **2010**, 131, 128-135	5.3	22
87	Pt Decorated TiCT MXene with NIR-II Light Amplified Nanozyme Catalytic Activity for Efficient Phototheranostics.. *ACS Nano*, **2022**,	16.7	22
86	Carbon dioxide utilization: A paradigm shift with CO2 economy. *Chemical Engineering Journal Advances*, **2020**, 3, 100013	3.6	22
85	X-ray-triggered NO-released Bi-SNO nanoparticles: all-in-one nano-radiosensitizer with photothermal/gas therapy for enhanced radiotherapy. *Nanoscale*, **2020**, 12, 19293-19307	7.7	22
84	A Tumor-Microenvironment-Responsive Nanocomposite for Hydrogen Sulfide Gas and Trimodal-Enhanced Enzyme Dynamic Therapy. *Advanced Materials*, **2021**, 33, e2101223	24	22
83	Tumor self-responsive upconversion nanomedicines for theranostic applications. *Nanoscale*, **2019**, 11, 17535-17556	7.7	21

82	Markedly enhanced up-conversion luminescence by combining IR-808 dye sensitization and core-shell-shell structures. *Dalton Transactions*, **2017**, 46, 1495-1501	4.3	20
81	Degradable Calcium Phosphate-Coated Upconversion Nanoparticles for Highly Efficient Chemo-Photodynamic Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 47659-47670	9.5	20
80	LaF3:Ln mesoporous spheres: controllable synthesis, tunable luminescence and application for dual-modal chemo-/photo-thermal therapy. *Nanoscale*, **2014**, 6, 14799-809	7.7	20
79	Multimode Imaging-Guided Photothermal/Chemodynamic Synergistic Therapy Nanoagent with a Tumor Microenvironment Responded Effect. *ACS Applied Materials & Interfaces*, **2020**, 12, 52479-52491	9.5	20
78	Construction of thiol-capped ultrasmall Au-Bi bimetallic nanoparticles for X-ray CT imaging and enhanced antitumor therapy efficiency. *Biomaterials*, **2021**, 264, 120453	15.6	20
77	A cheap and efficient catalyst with ultra-high activity for reduction of 4-nitrophenol. *CrystEngComm* , **2015**, 17, 5744-5750	3.3	19
76	Self-healing system adapted to different pH environments for active corrosion protection of magnesium alloy. *Journal of Alloys and Compounds*, **2020**, 824, 153918	5.7	19
75	A novel strategy for markedly enhancing the red upconversion emission in Er3+/Tm3+ cooperated nanoparticles. *Journal of Materials Chemistry C*, **2018**, 6, 7533-7540	7.1	19
74	Guiding Transition Metal-Doped Hollow Cerium Tandem Nanozymes with Elaborately Regulated Multi-Enzymatic Activities for Intensive Chemodynamic Therapy. *Advanced Materials*, **2021**, e2107054	24	19
73	An 808 nm Light-Sensitized Upconversion Nanoplatform for Multimodal Imaging and Efficient Cancer Therapy. *Inorganic Chemistry*, **2020**, 59, 4909-4923	5.1	18
72	Carbon microspheres work as an electron bridge for degrading high concentration MB in CoFe2O4@carbon microsphere/g-C3N4 with a hierarchical sandwich-structure. *Applied Surface Science*, **2020**, 507, 145167	6.7	18
71	Sequential Catalytic, Magnetic Targeting Nanoplatform for Synergistic Photothermal and NIR-Enhanced Chemodynamic Therapy. *Chemistry of Materials*, **2020**, 32, 9868-9881	9.6	18
70	Fine-Tuning Ho-Based Red-Upconversion Luminescence by Altering NaHoF4 Core Size and NaYbF4 Shell Thickness. *Chemistry of Materials*, **2019**, 31, 7898-7909	9.6	17
69	Luminescence functionalization of MCM-48 by YVO4:Eu3+ for controlled drug delivery. *RSC Advances*, **2012**, 2, 3281	3.7	17
68	One-Step Integration of Tumor Microenvironment-Responsive Calcium and Copper Peroxides Nanocomposite for Enhanced Chemodynamic/Ion-Interference Therapy.. *ACS Nano*, **2021**,	16.7	17
67	Bioresponsive upconversion nanostructure for combinatorial bioimaging and chemo-photothermal synergistic therapy. *Chemical Engineering Journal*, **2018**, 342, 446-457	14.7	16
66	Hierarchical bundles structure of NaLuF4: facile synthesis, shape evolution, and luminescent properties. *RSC Advances*, **2012**, 2, 10337	3.7	16
65	Bane to boon: intrinsic defect sensitized photoluminescence from Mn2+ or rare-earth ion doped fluorosilicate photonic glasses. *Journal of Materials Chemistry C*, **2017**, 5, 11806-11814	7.1	15

64	A Closed-Loop Therapeutic Strategy Based on Mutually Reinforced Ferroptosis and Immunotherapy. *Advanced Functional Materials*,2111784	15.6	15
63	Multimodal imaging and photothermal therapy were simultaneously achieved in the core-shell UCNR structure by using single near-infrared light. *Dalton Transactions*, **2017**, 46, 12147-12157	4.3	14
62	Efficient green upconversion luminescence in highly crystallized ultratransparent nano-glass ceramics containing isotropic KYF nanocrystals. *Optics Letters*, **2019**, 44, 4674-4677	3	14
61	Highly Erbium-Doped Nanoplatform with Enhanced Red Emission for Dual-Modal Optical-Imaging-Guided Photodynamic Therapy. *Inorganic Chemistry*, **2018**, 57, 14594-14602	5.1	14
60	Dual-functional graphene oxide-based nanomaterial for enhancing the passive and active corrosion protection of epoxy coating. *Composites Part B: Engineering*, **2021**, 222, 109075	10	14
59	Surface Charge Convertible and Biodegradable Synthetic Zwitterionic Nanoparticles for Enhancing Cellular Drug Uptake. *Macromolecular Bioscience*, **2016**, 16, 308-13	5.5	13
58	Recent advances on endogenous/exogenous stimuli-triggered nanoplatforms for enhanced chemodynamic therapy. *Coordination Chemistry Reviews*, **2022**, 451, 214267	23.2	13
57	Rapid Decomposition and Catalytic Cascade Nanoplatforms Based on Enzymes and Mn-Etched Dendritic Mesoporous Silicon for MRI-Guided Synergistic Therapy. *ACS Applied Materials & Interfaces*, **2020**, 12, 45772-45788	9.5	13
56	UCNPs@gelatin-ZnPc nanocomposite: synthesis, imaging and anticancer properties. *Journal of Materials Chemistry B*, **2016**, 4, 4138-4146	7.3	13
55	Self-produced bubble-template synthesis of La2O3:Yb/Er@Au hollow spheres with markedly enhanced luminescence and release properties. *CrystEngComm*, **2014**, 16, 9612-9621	3.3	12
54	Near-Infrared Upconversion Mesoporous Tin Oxide Bio-Photocatalyst for HO-Activatable O-Generating Magnetic Targeting Synergetic Treatment. *ACS Applied Materials & Interfaces*, **2020**, 12, 41047-41061	9.5	12
53	GPC3-targeted and curcumin-loaded phospholipid microbubbles for sono-photodynamic therapy in liver cancer cells. *Colloids and Surfaces B: Biointerfaces*, **2021**, 197, 111358	6	12
52	Self-Assembled Single-Site Nanozyme for Tumor-Specific Amplified Cascade Enzymatic Therapy. *Angewandte Chemie*, **2021**, 133, 3038-3044	3.6	12
51	Stimuli-responsive nanocomposites for magnetic targeting synergistic multimodal therapy and T/T-weighted dual-mode imaging. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2017**, 13, 875-883	6	11
50	AgBiS-TPP nanocomposite for mitochondrial targeting photodynamic therapy, photothermal therapy and bio-imaging under 808 nm NIR laser irradiation. *Biomaterials Science*, **2019**, 7, 4769-4781	7.4	11
49	Fabricating sub-100nm conducting polymer nanowires by edge nanoimprint lithography. *Journal of Colloid and Interface Science*, **2015**, 458, 300-4	9.3	11
48	Multifunctional LaPO4:Ce/Tb@Au mesoporous microspheres: synthesis, luminescence and controllable light triggered drug release. *RSC Advances*, **2014**, 4, 63425-63435	3.7	11
47	Integrating Evolutionary Computation with Abstraction Refinement for Model Checking. *IEEE Transactions on Computers*, **2010**, 59, 116-126	2.5	11

46	Microwave Dielectric Properties and Reduction Behavior of Low-Grade Pyrolusite. *Jom*, **2019**, 71, 3909-3914	2.1	10
45	Research progress in endogenous H2S-activatable nanoplatforms for cancer theranostics. *View*, **2020**, 1, e15	7.8	10
44	Chiral N,N'-dioxide-iron(iii)-catalyzed asymmetric sulfoxidation with hydrogen peroxide. *Chemical Communications*, **2020**, 56, 3233-3236	5.8	10
43	Mesoporous core-shell TiO(2) walnuts for photocatalysts and photodetectors with improved performances. *Dalton Transactions*, **2014**, 43, 7599-607	4.3	10
42	Insight into the Luminescence Alternation of Sub-30 nm Upconversion Nanoparticles with a Small NaHoF Core and Multi-Gd /Yb Coexisting Shells. *Small*, **2020**, 16, e2003799	11	10
41	The cutting-edge phosphorus-rich metal phosphides for energy storage and conversion. *Nano Today*, **2021**, 40, 101245	17.9	10
40	Synthesis of FeOCl in Hollow Dendritic Mesoporous Organosilicon for Ascorbic Acid-Enhanced and MR Imaging-Guided Chemodynamic Therapy in Neutral pH Conditions. *ACS Applied Materials & Interfaces*, **2020**, 12, 56886-56897	9.5	9
39	Transmission electron microscopic and optical spectroscopic studies of Ni2+/Yb3+/Er3+/Tm3+ doped dual-phase glass-ceramics. *Journal of the American Ceramic Society*, **2018**, 101, 2868-2876	3.8	9
38	A cheap and facile route to synthesize monodisperse magnetic nanocrystals and their application as MRI agents. *Dalton Transactions*, **2015**, 44, 247-53	4.3	9
37	Ultrabright single-band red upconversion luminescence in highly transparent fluorosilicate glass ceramics containing KMnF perovskite nanocrystals. *Optics Letters*, **2019**, 44, 2959-2961	3	9
36	Drug release behavior of poly (lactic-glycolic acid) grafting from sodium alginate (ALG-g-PLGA) prepared by direct polycondensation. *Journal of Biomaterials Science, Polymer Edition*, **2015**, 26, 1152-62	3.5	8
35	Controlled synthesis and luminescent properties of uniform SrMoO4 hollow microstructures and application as drug carrier. *RSC Advances*, **2013**, 3, 5945	3.7	8
34	A porous material excited by near-infrared light for photo/chemodynamic and photothermal dual-mode combination therapy. *Journal of Materials Chemistry B*, **2020**, 8, 10559-10576	7.3	8
33	Ball-milling fabrication of BiAgOS nanoparticles for 808 nm light mediated photodynamic/photothermal treatment. *Chemical Engineering Journal*, **2021**, 411, 128568	14.7	8
32	A smart nanoplatform for synergistic starvation, hypoxia-active prodrug treatment and photothermal therapy mediated by near-infrared-II light. *Chemical Engineering Journal*, **2021**, 405, 127027	14.7	8
31	Calcium Peroxide-Based Nanosystem with Cancer Microenvironment-Activated Capabilities for Imaging Guided Combination Therapy Mitochondrial Ca Overload and Chemotherapy. *ACS Applied Materials & Interfaces*, **2021**, 13, 44096-44107	9.5	8
30	Synthesis and luminescence properties of NaGdF4: Yb3+, Ce3+, and Ho3+ upconversion nanoparticles doped with Zn2+. *CrystEngComm*, **2018**, 20, 2663-2668	3.3	7
29	Tuning upconversion luminescence of LiYF4:Yb3+,Er3+/Tm3+/Ho3+ microcrystals synthesized through a molten salt process. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 3509-14	1.3	7

28	808 nm Near-Infrared Light-Excited UCNPs@mSiO-Ce6-GPC3 Nanocomposites For Photodynamic Therapy In Liver Cancer. *International Journal of Nanomedicine*, **2019**, 14, 10009-10021	7.3	7
27	Layer structured LDH_ZnPcG4-FA nanoplatform for targeted and imaging guided chemo-photodynamic therapy mediated by 650 nm light. *Chemical Engineering Journal*, **2020**, 382, 122847	14.7	7
26	Integration of IR-808 and thiol-capped Au-Bi bimetallic nanoparticles for NIR light mediated photothermal/photodynamic therapy and imaging. *Journal of Materials Chemistry B*, **2021**, 9, 101-111	7.3	7
25	Oxymatrine ameliorates agomelatine-induced hepatocyte injury through promoting proteasome-mediated CHOP degradation. *Biomedicine and Pharmacotherapy*, **2019**, 114, 108784	7.5	6
24	Switchable up-conversion luminescence bioimaging and targeted photothermal ablation in one core-shell-structured nanohybrid by alternating near-infrared light. *Dalton Transactions*, **2019**, 48, 5817-5830	4.3	6
23	Synthesis of magnetic and upconversion nanocapsules as multifunctional drug delivery system. *Journal of Solid State Chemistry*, **2015**, 229, 322-329	3.3	6
22	Effect and Mechanism of ShiZhiFang on Uric Acid Metabolism in Hyperuricemic Rats. *Evidence-based Complementary and Alternative Medicine*, **2018**, 2018, 6821387	2.3	6
21	Maxterm Covering for Satisfiability. *IEEE Transactions on Computers*, **2012**, 61, 420-426	2.5	6
20	Iridium-catalyzed cascade dehydrogenation, ring-closure reaction leading to 2,4,6-triaryl-1,3,5-triazines. *Russian Journal of General Chemistry*, **2016**, 86, 380-386	0.7	6
19	Mesoporous NaYF4:Yb,Er@AuPt(IV)-FA nanospheres for dual-modal imaging and synergistic photothermal/chemo-anti-cancer therapy. *RSC Advances*, **2015**, 5, 43391-43401	3.7	5
18	Synthesis, luminescence, and anti-tumor properties of MgSiO3:Eu-DOX-DPP-RGD hollow microspheres. *Dalton Transactions*, **2015**, 44, 18585-95	4.3	5
17	Solvothermal synthesis and upconversion properties of YF3:Ln (Ln = Yb/Er,Yb/Tm,Yb/Ho) nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 3503-8	1.3	5
16	Hydrogen Sulfide: An Emerging Precision Strategy for Gas Therapy. *Advanced Healthcare Materials*, **2021**, e2101984	10.1	5
15	In situ oxygenating and 808 nm light-sensitized nanocomposite for multimodal imaging and mitochondria-assisted cancer therapy. *Journal of Materials Chemistry B*, **2021**, 9, 131-146	7.3	5
14	GRPr-mediated photothermal and thermodynamic dual-therapy for prostate cancer with synergistic anti-apoptosis mechanism. *Nanoscale*, **2021**, 13, 4249-4261	7.7	5
13	Europium Doped Silicon Quantum Dot As a Novel FRET Based Dual Detection Probe: Sensitive Detection of Tetracycline, Zinc, and Cadmium.. *Small Methods*, **2021**, 5, e2100812	12.8	5
12	A Si-CdTe Composite Quantum Dots Probe with Dual-Wavelength Emission for Sensitively Monitoring Intracellular H 2 O 2. *Advanced Functional Materials*,2112083	15.6	4
11	Controllable drug release system based on phase change molecules as gatekeepers for bimodal tumor therapy with enhanced efficacy. *RSC Advances*, **2016**, 6, 65600-65606	3.7	3

10	Near-infrared light-induced imaging and targeted anti-cancer therapy based on a yolk/shell structure. *RSC Advances*, **2016**, 6, 21590-21599	3.7	3
9	Optimizing the SAT Decision Ordering of Bounded Model Checking by Structural Information **2013**,		3
8	VeRV: A temporal and data-concerned verification framework for the vehicle bus systems **2015**,		3
7	A novel □off-on-off□fluorescent sensor based on inner filter effect for ultrasensitive detection of protamine/trypsin and subcellular colocalization. *Sensors and Actuators B: Chemical*, **2021**, 340, 129930	8.5	3
6	Kinetic Resolution of Propargylic Ethers via [2,3]-Wittig Rearrangement to Synthesize Chiral □-Hydroxyallenes. *Organic Letters*, **2020**, 22, 2692-2696	6.2	2
5	Engineering oxygen vacancy of MoO nanoenzyme by Mn doping for dual-route cascaded catalysis mediated high tumor eradication.. *Journal of Colloid and Interface Science*, **2022**, 623, 155-167	9.3	2
4	Mn 2+ /Fe 3+ /Co 2+ and Tetrasulfide Bond Co-Incorporated Dendritic Mesoporous Organosilica as Multifunctional Nanocarriers: One-Step Synthesis and Applications for Cancer Therapy. *Advanced Healthcare Materials*,2200665	10.1	2
3	Near-Infrared Upconversion Mesoporous Tin Dioxide Theranostic Nanocapsules for Synergetic Cancer Chemophototherapy.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	1
2	Nontraditional Luminescent Molecular Aggregates Encapsulated by Wormlike Silica Nanoparticles for Latent Fingerprint Detection. *ACS Applied Materials & Interfaces*, **2021**, 13, 51695-51707	9.5	1
1	Siwu Granules and Erythropoietin Synergistically Ameliorated Anemia in Adenine-Induced Chronic Renal Failure Rats. *Evidence-based Complementary and Alternative Medicine*, **2019**, 2019, 5832105	2.3	1