

# Yong Zhang

## List of Publications by Year in descending order

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262  
papers

28,965  
citations

6250

80  
h-index

5384

164  
g-index

264  
all docs

264  
docs citations

264  
times ranked

30438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards translational optogenetics. <i>Nature Biomedical Engineering</i> , 2023, 7, 349-369.	11.6	54
2	Self-Assembly of Upconversion Nanoparticles Based Materials and Their Emerging Applications. <i>Small</i> , 2022, 18, e2103241.	5.2	17
3	Non-covalent interactions of graphene surface: Mechanisms and applications. <i>CheM</i> , 2022, 8, 947-979.	5.8	29
4	ZIF-8 encapsulated upconversion nanoprobe to evaluate pH variations in food spoilage. <i>Mikrochimica Acta</i> , 2022, 189, 87.	2.5	5
5	NIR-Responsive Photodynamic Nanosystem Combined with Antitumor Immune Optogenetics Bacteria for Precise Synergetic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 13094-13106.	4.0	12
6	Wirelessly Activated Nanotherapeutics for In Vivo Programmable Photodynamic Chemotherapy of Orthotopic Bladder Cancer. <i>Advanced Science</i> , 2022, 9, e2200731.	5.6	12
7	Photodynamic-based combinatorial cancer therapy strategies: Tuning the properties of nanoplatform according to oncotherapy needs. <i>Coordination Chemistry Reviews</i> , 2022, 461, 214495.	9.5	44
8	Shedding Light on Luminescent Janus Nanoparticles: From Synthesis to Photoluminescence and Applications. <i>Small</i> , 2022, 18, e2200020.	5.2	11
9	Tailoring Lanthanide Upconversion Luminescence through Material Designs and Regulation Strategies. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	11
10	ZnO/COF S-scheme heterojunction for improved photocatalytic H <sub>2</sub> O <sub>2</sub> production performance. <i>Chemical Engineering Journal</i> , 2022, 444, 136584.	6.6	94
11	A novel drug susceptibility testing AIEgen with spatiotemporal resolved progress-reporting characteristic for therapy of drug-resistant tumor. <i>Materials Today</i> , 2022, 61, 117-128.	8.3	7
12	Construction of V <sub>1.11</sub> S <sub>2</sub> flower spheres for efficient aqueous Zn-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 1002-1011.	5.0	6
13	Near-infrared-responsive functional nanomaterials: the first domino of combined tumor therapy. <i>Nano Today</i> , 2021, 36, 100963.	6.2	30
14	Spectral engineering of lanthanide-doped upconversion nanoparticles and their biosensing applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1743-1770.	3.2	36
15	Dual-light triggered metabolizable nano-micelles for selective tumor-targeted photodynamic/hyperthermia therapy. <i>Acta Biomaterialia</i> , 2021, 119, 323-336.	4.1	25
16	Thermally stable fishnet-like 1T-MoS <sub>2</sub> /CNT heterostructures with improved electrode performance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4707-4715.	5.2	21
17	NIR-excitable heterostructured upconversion perovskite nanodots with improved stability. <i>Nature Communications</i> , 2021, 12, 219.	5.8	57
18	Biodegradable manganese engineered nanocapsules for tumor-sensitive near-infrared persistent luminescence/magnetic resonance imaging and simultaneous chemotherapy. <i>Theranostics</i> , 2021, 11, 8448-8463.	4.6	25

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19	Single-Line Flow Assay Platform Based on Orthogonal Emissive Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2021, 93, 3010-3017.	3.2	25
20	Orthogonal Emissive Upconversion Nanoparticles: Material Design and Applications. <i>Small</i> , 2021, 17, e2004552.	5.2	35
21	Exploring Heterostructured Upconversion Nanoparticles: From Rational Engineering to Diverse Applications. <i>ACS Nano</i> , 2021, 15, 3709-3735.	7.3	82
22	Moving Binary-Color Heterojunction for Spatiotemporal Multilevel Encryption <i>via</i> Directional Swelling and Anion Exchange. <i>ACS Nano</i> , 2021, 15, 7628-7637.	7.3	19
23	Enhancement of upconversion luminescence intensity in NaMgF <sub>3</sub> :2.5%Yb <sup>3+</sup> , 0.5%Er <sup>3+</sup> nanocrystals with Eu <sup>3+</sup> doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 20882-20890.	1.1	2
24	Lanthanides-doped near-infrared active upconversion nanocrystals: Upconversion mechanisms and synthesis. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213870.	9.5	56
25	Engineering Near-Infrared-Excitable Metal-Organic Framework for Tumor Microenvironment Responsive Therapy. <i>ACS Applied Bio Materials</i> , 2021, 4, 6316-6325.	2.3	9
26	Glucose-Targeted Hydroxyapatite/Indocyanine Green Hybrid Nanoparticles for Collaborative Tumor Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 37665-37679.	4.0	12
27	Rationally designed upconversion nanoparticles for NIR light-controlled lysosomal escape and nucleus-based photodynamic therapy. <i>Mikrochimica Acta</i> , 2021, 188, 349.	2.5	12
28	Perovskite Nanocrystals with Tunable Fluorescent Intensity during Anion Exchange for Dynamic Optical Encryption. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47072-47080.	4.0	9
29	A Biosynthesized Near-Infrared-Responsive Nanocomposite Biomaterial for Antimicrobial and Antibiofilm Treatment. <i>ACS Applied Bio Materials</i> , 2021, 4, 7542-7553.	2.3	3
30	pH-Responsive Hybrid Nanoparticles for Imaging Spatiotemporal pH Changes in Biofilm-Dentin Microenvironments. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 46247-46259.	4.0	6
31	Elucidating the role of energy management in making brighter, and more colorful upconversion nanoparticles. <i>Materials Today Physics</i> , 2021, 20, 100451.	2.9	9
32	Synergistic upconversion photodynamic and photothermal therapy under cold near-infrared excitation. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 513-529.	5.0	25
33	Hollow upconversion nanoparticles: Synthesis and luminescence in comparison with their solid counterparts. <i>Chemical Engineering Journal</i> , 2021, 426, 131376.	6.6	1
34	Aggregation-induced room temperature phosphorescent carbonized polymer dots with wide-range tunable lifetimes for optical multiplexing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6781-6788.	2.7	27
35	H <sub>2</sub> O <sub>2</sub> self-providing synergistic chemodynamic/photothermal therapy using graphene oxide supported zero valence iron nanoparticles. <i>RSC Advances</i> , 2021, 11, 28973-28987.	1.7	3
36	Full shell coating or cation exchange enhances luminescence. <i>Nature Communications</i> , 2021, 12, 6178.	5.8	24

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37	Upconversion Perovskite Nanocrystal Heterostructures with Enhanced Luminescence and Stability by Lattice Matching. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 51362-51372.	4.0	6
38	Recent advances in radiation therapy and photodynamic therapy. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	29
39	Surface lanthanide activator doping for constructing highly efficient energy transfer-based nanoprobes for the on-site monitoring of atmospheric sulfur dioxide. <i>Analyst</i> , 2020, 145, 537-543.	1.7	12
40	Combination of tumor fragments and nanotechnology as a therapeutic approach: Treating a tumor with tumor. <i>Nano Today</i> , 2020, 35, 100993.	6.2	21
41	Phase-Change Nanotherapeutic Agents Based on Mesoporous Carbon for Multimodal Imaging and Tumor Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 8705-8713.	2.3	9
42	Controllable Assembly of Upconversion Nanoparticles Enhanced Tumor Cell Penetration and Killing Efficiency. <i>Advanced Science</i> , 2020, 7, 2001831.	5.6	20
43	A Flexible PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. <i>Advanced Materials</i> , 2020, 32, 2001459.	11.1	44
44	Modularly Assembled Upconversion Nanoparticles for Orthogonally Controlled Cell Imaging and Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12549-12556.	4.0	40
45	Programmable starving-photodynamic synergistic cancer therapy. <i>Science China Materials</i> , 2020, 63, 611-619.	3.5	23
46	Nanoelectrode design from microminiaturized honeycomb monolith with ultrathin and stiff nanoscaffold for high-energy micro-supercapacitors. <i>Nature Communications</i> , 2020, 11, 299.	5.8	55
47	An Excitation Navigating Energy Migration of Lanthanide Ions in Upconversion Nanoparticles. <i>Advanced Materials</i> , 2020, 32, e1906225.	11.1	75
48	Construction of a near-infrared responsive upconversion nanoplatform against hypoxic tumors via NO-enhanced photodynamic therapy. <i>Nanoscale</i> , 2020, 12, 7875-7887.	2.8	31
49	Tumor Targeting Strategies of Smart Fluorescent Nanoparticles and Their Applications in Cancer Diagnosis and Treatment. <i>Advanced Materials</i> , 2019, 31, e1902409.	11.1	173
50	Upconversion superballs for programmable photoactivation of therapeutics. <i>Nature Communications</i> , 2019, 10, 4586.	5.8	100
51	A Review on Deterministic Lateral Displacement for Particle Separation and Detection. <i>Nano-Micro Letters</i> , 2019, 11, 77.	14.4	119
52	Upconversion Nanoprobes with Highly Efficient Energy Transfer for Ultrasensitive Detection of Alkaline Phosphatase. <i>ACS Sensors</i> , 2019, 4, 2864-2868.	4.0	35
53	Recent Progress of Rare Earth Doped Upconversion Nanoparticles: Synthesis, Optimization, and Applications. <i>Advanced Science</i> , 2019, 6, 1901358.	5.6	228
54	Near-Infrared Excited Orthogonal Emissive Upconversion Nanoparticles for Imaging-Guided On-Demand Therapy. <i>ACS Nano</i> , 2019, 13, 10405-10418.	7.3	108

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55	Manipulating energy migration within single lanthanide activator for switchable upconversion emissions towards bidirectional photoactivation. <i>Nature Communications</i> , 2019, 10, 4416.	5.8	85
56	Microfluidic-Based Immunomodulation of Immune Cells Using Upconversion Nanoparticles in Simulated Blood Vessel-Tumor System. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37513-37523.	4.0	24
57	Photoexcitation of self-n-doped fullerene ammonium halides: The role of halide ion and a possible synergistic dual-redox cycle mechanism within their aggregate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 373, 131-138.	2.0	2
58	Heavy-atom-free charge transfer photosensitizers: Tuning the efficiency of BODIPY in singlet oxygen generation via intramolecular electron donor-acceptor interaction. <i>Dyes and Pigments</i> , 2019, 164, 139-147.	2.0	38
59	Fluorescent microbeads for point-of-care testing: a review. <i>Mikrochimica Acta</i> , 2019, 186, 361.	2.5	46
60	Comparative investigation of the optical spectroscopic and thermal effect in Nd <sup>3+</sup> -doped nanoparticles. <i>Nanoscale</i> , 2019, 11, 10220-10228.	2.8	25
61	G-Quadruplex/Porphyrim Composite Photosensitizer: A Facile Way to Promote Absorption Redshift and Photodynamic Therapy Efficacy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13158-13167.	4.0	44
62	pH-responsive and self-targeting assembly from hyaluronic acid-based conjugate toward all-in-one chemo-photodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 30-39.	5.0	32
63	Light-activated drug release from prodrug nanoassemblies by structure destruction. <i>Chemical Communications</i> , 2019, 55, 13128-13131.	2.2	9
64	Engineering Efficient Photon Upconversion in Semiconductor Heterostructures. <i>ACS Nano</i> , 2019, 13, 489-497.	7.3	23
65	Portable Smartphone-Based Platform for Real-Time Particle Detection in Microfluidics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800359.	3.0	10
66	White-light emissive upconversion nanoparticles for visual and colorimetric determination of the pesticide thiram. <i>Mikrochimica Acta</i> , 2019, 186, 106.	2.5	21
67	Exfoliated Triazine-Based Covalent Organic Nanosheets with Multielectron Redox for High-Performance Lithium Organic Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1801010.	10.2	174
68	Upconversion Nanoprobes: Recent Advances in Sensing Applications. <i>Analytical Chemistry</i> , 2019, 91, 548-568.	3.2	196
69	Fluorescent label-free quantitative detection of nano-sized bioparticles using a pillar array. <i>Nature Communications</i> , 2018, 9, 1254.	5.8	41
70	Boosting lithium storage in covalent organic framework via activation of 14-electron redox chemistry. <i>Nature Communications</i> , 2018, 9, 576.	5.8	497
71	In vivo wireless photonic photodynamic therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1469-1474.	3.3	152
72	Real-Time Visualization of Cysteine Metabolism in Living Cells with Ratiometric Fluorescence Probes. <i>Analytical Chemistry</i> , 2018, 90, 2686-2691.	3.2	38

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73	Upconversion Nanoparticles-Encoded Hydrogel Microbeads-Based Multiplexed Protein Detection. Nano-Micro Letters, 2018, 10, 31.	14.4	44
74	A protected excitation-energy reservoir for efficient upconversion luminescence. Nanoscale, 2018, 10, 250-259.	2.8	41
75	Photon Upconversion Kinetic Nanosystems and Their Optical Response. Laser and Photonics Reviews, 2018, 12, 1700144.	4.4	42
76	Phase controllable synthesis of NaMgF <sub>3</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> nanocrystals with effective red upconversion luminescence. Journal of Materials Science: Materials in Electronics, 2018, 29, 18320-18330.	1.1	6
77	Strong Coupling of MoS <sub>2</sub> Nanosheets and Nitrogen-Doped Graphene for High-Performance Pseudocapacitance Lithium Storage. Small, 2018, 14, e1704410.	5.2	89
78	Nanotechnology: a promising method for oral cancer detection and diagnosis. Journal of Nanobiotechnology, 2018, 16, 52.	4.2	98
79	Elimination of concentration dependent luminescence quenching in surface protected upconversion nanoparticles. Nanoscale, 2018, 10, 16447-16454.	2.8	31
80	Recent Development of Metallic (1T) Phase of Molybdenum Disulfide for Energy Conversion and Storage. Advanced Energy Materials, 2018, 8, 1703482.	10.2	317
81	Phase angle encoded upconversion luminescent nanocrystals for multiplexing applications. Nanoscale, 2017, 9, 1676-1686.	2.8	66
82	Metal-enhanced upconversion luminescence of NaYF <sub>4</sub> :Yb/Er with Ag nanoparticles. Materials Research Bulletin, 2017, 88, 182-187.	2.7	28
83	Versatile design and synthesis of nano-barcodes. Chemical Society Reviews, 2017, 46, 7054-7093.	18.7	193
84	Targeting ligand-functionalized photothermal scaffolds for cancer cell capture and in situ ablation. Biomaterials Science, 2017, 5, 2276-2284.	2.6	12
85	Yolk shell nanocomposite particles as bioactive bone fillers and growth factor carriers. Nanoscale, 2017, 9, 14520-14532.	2.8	6
86	Huge enhancement of upconversion luminescence by dye/Nd <sup>3+</sup> sensitization of quenching-shield sandwich structured upconversion nanocrystals under 808 nm excitation. Dalton Transactions, 2017, 46, 16180-16189.	1.6	19
87	Advancements in microfluidics for nanoparticle separation. Lab on A Chip, 2017, 17, 11-33.	3.1	185
88	Size-selective QD@MOF core-shell nanocomposites for the highly sensitive monitoring of oxidase activities. Biosensors and Bioelectronics, 2017, 87, 339-344.	5.3	75
89	<i>In vivo</i> Biocompatibility, Biodistribution and Therapeutic Efficiency of Titania Coated Upconversion Nanoparticles for Photodynamic Therapy of Solid Oral Cancers. Theranostics, 2016, 6, 1844-1865.	4.6	92
90	Small Upconverting Fluorescent Nanoparticles for Biosensing and Bioimaging. Advanced Optical Materials, 2016, 4, 984-997.	3.6	86

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91	Quasi-Continuous Wave Near-Infrared Excitation of Upconversion Nanoparticles for Optogenetic Manipulation of <i>C. elegans</i> . <i>Small</i> , 2016, 12, 1732-1743.	5.2	93
92	Influence of SiO <sub>2</sub> layer on the plasmon quenched upconversion luminescence emission of core-shell NaYF <sub>4</sub> :Yb,Er@SiO <sub>2</sub> @Ag nanocomposites. <i>Materials Research Bulletin</i> , 2016, 83, 515-521.	2.7	26
93	Engineering of Lanthanide-Doped Upconversion Nanoparticles for Optical Encoding. <i>Small</i> , 2016, 12, 836-852.	5.2	110
94	Ag-decorated Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> core-shell nanospheres: Seed-mediated growth preparation and their antibacterial activity during the consecutive recycling. <i>Journal of Alloys and Compounds</i> , 2016, 676, 113-119.	2.8	19
95	A two-photon fluorescent turn-on probe for imaging of SO <sub>2</sub> derivatives in living cells and tissues. <i>Analytica Chimica Acta</i> , 2016, 937, 136-142.	2.6	47
96	Novel nanostructures for efficient photon upconversion and high-efficiency photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2016, 155, 446-453.	3.0	32
97	Asymmetrical Deterministic Lateral Displacement Gaps for Dual Functions of Enhanced Separation and Throughput of Red Blood Cells. <i>Scientific Reports</i> , 2016, 6, 22934.	1.6	87
98	Designing idiosyncratic hmPCL-siRNA nanoformulated capsules for silencing and cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 579-588.	1.7	23
99	Near-IR photoactivation using mesoporous silica-coated NaYF <sub>4</sub> :Yb,Er/Tm upconversion nanoparticles. <i>Nature Protocols</i> , 2016, 11, 688-713.	5.5	164
100	Depositing CdS nanoclusters on carbon-modified NaYF <sub>4</sub> :Yb,Tm upconversion nanocrystals for NIR-light enhanced photocatalysis. <i>Nanoscale</i> , 2016, 8, 553-562.	2.8	86
101	Real-time modulated nanoparticle separation with an ultra-large dynamic range. <i>Lab on A Chip</i> , 2016, 16, 75-85.	3.1	75
102	Smartphone based visual and quantitative assays on upconversional paper sensor. <i>Biosensors and Bioelectronics</i> , 2016, 75, 427-432.	5.3	152
103	Zinc-Dithizone Complex Engineered Upconverting Nanosensors for the Detection of Hypochlorite in Living Cells. <i>Small</i> , 2015, 11, 4568-4575.	5.2	39
104	Luminescent lanthanide nanomaterials: an emerging tool for theranostic applications. <i>Nanomedicine</i> , 2015, 10, 1477-1491.	1.7	33
105	Core-shell upconversion nanoparticle semiconductor heterostructures for photodynamic therapy. <i>Scientific Reports</i> , 2015, 5, 8252.	1.6	65
106	pH- and redox-responsive self-assembly of amphiphilic hyperbranched poly(amido amine)s for controlled doxorubicin delivery. <i>Biomaterials Science</i> , 2015, 3, 597-607.	2.6	21
107	Nanoparticles in Photodynamic Therapy. <i>Chemical Reviews</i> , 2015, 115, 1990-2042.	23.0	2,342
108	Titania Coated Upconversion Nanoparticles for Near-Infrared Light Triggered Photodynamic Therapy. <i>ACS Nano</i> , 2015, 9, 191-205.	7.3	331

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109	Synthesis of Nd <sup>3+</sup> /Yb <sup>3+</sup> sensitized upconversion core-shell nanocrystals with optimized hosts and doping concentrations. <i>RSC Advances</i> , 2015, 5, 62899-62904.	1.7	14
110	Sustained release of hydrophobic drugs by the microfluidic assembly of multistage microgel/poly (lactic-co-glycolic acid) nanoparticle composites. <i>Biomicrofluidics</i> , 2015, 9, 052601.	1.2	35
111	Mesoporous silica-coated upconversion nanocrystals for near infrared light-triggered control of gene expression in zebrafish. <i>Nanomedicine</i> , 2015, 10, 1051-1061.	1.7	21
112	Synthesis of dye-loaded NaYF <sub>4</sub> :Yb, Er superparticles for tunable upconversion emissions. <i>Micro and Nano Letters</i> , 2015, 10, 144-146.	0.6	2
113	Numerical Study of Pillar Shapes in Deterministic Lateral Displacement Microfluidic Arrays for Spherical Particle Separation. <i>IEEE Transactions on Nanobioscience</i> , 2015, 14, 660-667.	2.2	17
114	Lutetium doping for making big core and core-shell upconversion nanoparticles. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10267-10272.	2.7	21
115	A Moldable Putty Containing Silk Fibroin Yolk Shell Particles for Improved Hemostasis and Bone Repair. <i>Advanced Healthcare Materials</i> , 2015, 4, 432-445.	3.9	11
116	Oxidative cleavage-based upconversion nanosensor for visual evaluation of antioxidant activity of drugs. <i>Biosensors and Bioelectronics</i> , 2015, 64, 88-93.	5.3	25
117	Upconversion nanoparticles as versatile light nanotransducers for photoactivation applications. <i>Chemical Society Reviews</i> , 2015, 44, 1449-1478.	18.7	331
118	Encapsulation of Photosensitizers and Upconversion Nanocrystals in Lipid Micelles for Photodynamic Therapy. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 228-235.	1.2	37
119	Redox-Responsive Nanoparticles with Aggregation-Induced Emission (AIE) Characteristic for Fluorescence Imaging. <i>Macromolecular Bioscience</i> , 2014, 14, 1059-1066.	2.1	15
120	pH- and Redox-Responsive Poly(ethylene glycol) and Cholesterol-conjugated Poly(amido amine)s Based Micelles for Controlled Drug Delivery. <i>Macromolecular Bioscience</i> , 2014, 14, 347-358.	2.1	28
121	Effect of membrane wettability on membrane fouling and chemical durability of SPG membranes used in a microbubble-aerated biofilm reactor. <i>Separation and Purification Technology</i> , 2014, 127, 157-164.	3.9	12
122	Independent optical excitation of distinct neural populations. <i>Nature Methods</i> , 2014, 11, 338-346.	9.0	1,879
123	Self-assembly of LaF <sub>3</sub> :Yb,Er/Tm nanoplates into colloidal spheres and tailoring their upconversion emissions with fluorescent dyes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8949-8955.	2.7	14
124	Photoactivation of core-shell titania coated upconversion nanoparticles and their effect on cell death. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7017-7026.	2.9	79
125	A facile synthetic approach to a biodegradable polydisulfide MRI contrast agent. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5295-5301.	2.9	12
126	Near-Infrared-Light-Based Nano-Platform Boosts Endosomal Escape and Controls Gene Knockdown <i>in Vivo</i> . <i>ACS Nano</i> , 2014, 8, 4848-4858.	7.3	80

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127	Photocontrolled Nanoparticle Delivery Systems for Biomedical Applications. <i>Accounts of Chemical Research</i> , 2014, 47, 3052-3060.	7.6	197
128	Tuning the energy migration and new insights into the mechanism of upconversion. <i>Nanoscale</i> , 2014, 6, 8439.	2.8	10
129	DLD pillar shape design for efficient separation of spherical and non-spherical bioparticles. <i>Lab on A Chip</i> , 2014, 14, 4250-4262.	3.1	100
130	A paradigm shift in the excitation wavelength of upconversion nanoparticles. <i>Nanoscale</i> , 2014, 6, 8441-8443.	2.8	32
131	Bacterial imaging with photostable upconversion fluorescent nanoparticles. <i>Biomaterials</i> , 2014, 35, 2987-2998.	5.7	64
132	Non-viral nanocarriers for siRNA delivery in breast cancer. <i>Journal of Controlled Release</i> , 2014, 190, 440-450.	4.8	75
133	Water-Soluble Upconversion Nanoparticles by Micellar Route. <i>BioNanoScience</i> , 2013, 3, 208-215.	1.5	1
134	Design and Synthesis of Polymer-Functionalized NIR Fluorescent Dyes—Magnetic Nanoparticles for Bioimaging. <i>ACS Nano</i> , 2013, 7, 6796-6805.	7.3	98
135	Light-activated endosomal escape using upconversion nanoparticles for enhanced delivery of drugs. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
136	Upconversion nanoparticle based LRET system for sensitive detection of MRSA DNA sequence. <i>Biosensors and Bioelectronics</i> , 2013, 43, 252-256.	5.3	64
137	Near-infrared photothermal activation of microgels incorporating polypyrrole nanotransducers through droplet microfluidics. <i>Chemical Communications</i> , 2013, 49, 7887.	2.2	32
138	Plasmonic nanohole arrays for monitoring growth of bacteria and antibiotic susceptibility test. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 576-583.	4.0	36
139	A facile synthesis of strong near infrared fluorescent layered double hydroxide nanovehicles with an anticancer drug for tumor optical imaging and therapy. <i>Nanoscale</i> , 2013, 5, 4314.	2.8	57
140	Rotational separation of non-spherical bioparticles using I-shaped pillar arrays in a microfluidic device. <i>Nature Communications</i> , 2013, 4, 1625.	5.8	144
141	Targeting CCL21—folic acid—upconversion nanoparticles conjugates to folate receptor-1± expressing tumor cells in an endothelial-tumor cell bilayer model. <i>Biomaterials</i> , 2013, 34, 4860-4871.	5.7	47
142	Sandwich-structured upconversion nanoparticles with tunable color for multiplexed cell labeling. <i>Biomaterials</i> , 2013, 34, 1722-1731.	5.7	113
143	Silk Fibroin-Based Complex Particles with Bioactive Encrustation for Bone Morphogenetic Protein 2 Delivery. <i>Biomacromolecules</i> , 2013, 14, 4465-4474.	2.6	43
144	Lanthanide-Based Upconversion Nanoparticles for Connexin-Targeted Imaging in Co-cultures. <i>Methods in Molecular Biology</i> , 2013, 1058, 97-107.	0.4	2

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145	Upconverting fluorescent nanoparticles for biodetection and photoactivation. , 2013, , .		0
146	Magnetic Resonance Imaging (MRI) Contrast Agents for Tumor Diagnosis. Journal of Healthcare Engineering, 2013, 4, 23-46.	1.1	51
147	Life Cycle-Dependent Cytoskeletal Modifications in Plasmodium falciparum Infected Erythrocytes. PLoS ONE, 2013, 8, e61170.	1.1	59
148	An Anti-clogging 3D Porous Membrane for Sorting and Patterning of Micro-Entities. Advanced Healthcare Materials, 2012, 1, 354-359.	3.9	3
149	Small NIR-to-VIS upconverting nanoparticles for photodynamic therapy. , 2012, , .		1
150	Use of upconverting fluorescent nanoparticles for bioimaging. Proceedings of SPIE, 2012, , .	0.8	1
151	Facile preparation of hydrophilic sodium yttrium fluoride nanorods using hydrophobic nanospheres as precursor. Journal of Materials Research, 2012, 27, 2101-2105.	1.2	3
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153	Tuning the autophagy-inducing activity of lanthanide-based nanocrystals through specific surface-coating peptides. Nature Materials, 2012, 11, 817-826.	13.3	158
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