

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	Nanoparticles in Photodynamic Therapy. <i>Chemical Reviews</i> , 2015, 115, 1990-2042.	23.0	2,342
2	Independent optical excitation of distinct neural populations. <i>Nature Methods</i> , 2014, 11, 338-346.	9.0	1,879
3	In vivo photodynamic therapy using upconversion nanoparticles as remote-controlled nanotransducers. <i>Nature Medicine</i> , 2012, 18, 1580-1585.	15.2	1,299
4	Surface modification of superparamagnetic magnetite nanoparticles and their intracellular uptake. <i>Biomaterials</i> , 2002, 23, 1553-1561.	5.7	1,185
5	Nanoparticles in photodynamic therapy: An emerging paradigm. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 1627-1637.	6.6	1,063
6	Upconversion fluorescence imaging of cells and small animals using lanthanide doped nanocrystals. <i>Biomaterials</i> , 2008, 29, 937-943.	5.7	942
7	Multicolor Core/Shell-Structured Upconversion Fluorescent Nanoparticles. <i>Advanced Materials</i> , 2008, 20, 4765-4769.	11.1	847
8	An efficient and user-friendly method for the synthesis of hexagonal-phase NaYF ₄ :Yb, Er/Tm nanocrystals with controllable shape and upconversion fluorescence. <i>Nanotechnology</i> , 2008, 19, 345606.	1.3	674
9	Mesoporous Silica-Coated Upconversion Fluorescent Nanoparticles for Photodynamic Therapy. <i>Small</i> , 2009, 5, 2285-2290.	5.2	582
10	Luminescent nanomaterials for biological labelling. <i>Nanotechnology</i> , 2006, 17, R1-R13.	1.3	514
11	Small Upconverting Fluorescent Nanoparticles for Biomedical Applications. <i>Small</i> , 2010, 6, 2781-2795.	5.2	502
12	Boosting lithium storage in covalent organic framework via activation of 14-electron redox chemistry. <i>Nature Communications</i> , 2018, 9, 576.	5.8	497
13	Biocompatibility of silica coated NaYF ₄ upconversion fluorescent nanocrystals. <i>Biomaterials</i> , 2008, 29, 4122-4128.	5.7	467
14	Monodisperse Silica-Coated Polyvinylpyrrolidone/NaYF ₄ Nanocrystals with Multicolor Upconversion Fluorescence Emission. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7732-7735.	7.2	447
15	Synthesis of Hexagonal-Phase Core-Shell NaYF ₄ Nanocrystals with Tunable Upconversion Fluorescence. <i>Langmuir</i> , 2008, 24, 12123-12125.	1.6	375
16	Synthesis and characterization of macroporous chitosan/calcium phosphate composite scaffolds for tissue engineering. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 55, 304-312.	3.0	372
17	Remote activation of biomolecules in deep tissues using near-infrared-to-UV upconversion nanotransducers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8483-8488.	3.3	346
18	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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19	Upconversion nanoparticles as versatile light nanotransducers for photoactivation applications. <i>Chemical Society Reviews</i> , 2015, 44, 1449-1478.	18.7	331
20	Recent Development of Metallic (1T) Phase of Molybdenum Disulfide for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1703482.	10.2	317
21	Quantum-dot based nanoparticles for targeted silencing of HER2/neu gene via RNA interference. <i>Biomaterials</i> , 2007, 28, 1565-1571.	5.7	288
22	Synthesis of polyethylenimine/NaYF ₄ nanoparticles with upconversion fluorescence. <i>Nanotechnology</i> , 2006, 17, 5786-5791.	1.3	280
23	Bead-based microfluidic immunoassays: The next generation. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1197-1204.	5.3	251
24	Plasmon enhanced upconversion luminescence of NaYF ₄ :Yb,Er@SiO ₂ @Ag core-shell nanocomposites for cell imaging. <i>Nanoscale</i> , 2012, 4, 5132.	2.8	250
25	Tracking transplanted cells in live animal using upconversion fluorescent nanoparticles. <i>Biomaterials</i> , 2009, 30, 5104-5113.	5.7	248
26	Highly Sensitive Multiple microRNA Detection Based on Fluorescence Quenching of Graphene Oxide and Isothermal Strand-Displacement Polymerase Reaction. <i>Analytical Chemistry</i> , 2012, 84, 4587-4593.	3.2	247
27	Recent Progress of Rare-Earth Doped Upconversion Nanoparticles: Synthesis, Optimization, and Applications. <i>Advanced Science</i> , 2019, 6, 1901358.	5.6	228
28	Calcium phosphate/chitosan composite scaffolds for controlled in vitro antibiotic drug release. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 62, 378-386.	3.0	218
29	Singlet oxygen-induced apoptosis of cancer cells using upconversion fluorescent nanoparticles as a carrier of photosensitizer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 486-495.	1.7	211
30	Three-dimensional macroporous calcium phosphate bioceramics with nested chitosan sponges for load-bearing bone implants. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 61, 1-8.	3.0	205
31	Photocontrolled Nanoparticle Delivery Systems for Biomedical Applications. <i>Accounts of Chemical Research</i> , 2014, 47, 3052-3060.	7.6	197
32	Upconversion Nanoprobes: Recent Advances in Sensing Applications. <i>Analytical Chemistry</i> , 2019, 91, 548-568.	3.2	196
33	Versatile design and synthesis of nano-barcodes. <i>Chemical Society Reviews</i> , 2017, 46, 7054-7093.	18.7	193
34	Optical imaging-guided cancer therapy with fluorescent nanoparticles. <i>Journal of the Royal Society Interface</i> , 2010, 7, 3-18.	1.5	189
35	Advancements in microfluidics for nanoparticle separation. <i>Lab on A Chip</i> , 2017, 17, 11-33.	3.1	185
36	Calcium Phosphate-Chitosan Composite Scaffolds for Bone Tissue Engineering. <i>Tissue Engineering</i> , 2003, 9, 337-345.	4.9	180

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37	Upconversion Nanoparticle-Based FRET System for Study of siRNA in Live Cells. <i>Langmuir</i> , 2010, 26, 6689-6694.	1.6	175
38	Gold nanoshell coated NaYF ₄ nanoparticles for simultaneously enhanced upconversion fluorescence and darkfield imaging. <i>Journal of Materials Chemistry</i> , 2012, 22, 960-965.	6.7	175
39	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
40	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
41	Photodynamic inactivation of viruses using upconversion nanoparticles. <i>Biomaterials</i> , 2012, 33, 1912-1920.	5.7	167
42	Tuning of the Structure and Emission Spectra of Upconversion Nanocrystals by Alkali Ion Doping. <i>Langmuir</i> , 2011, 27, 13236-13241.	1.6	166
43	Near-IR photoactivation using mesoporous silica-coated NaYF ₄ :Yb,Er/Tm upconversion nanoparticles. <i>Nature Protocols</i> , 2016, 11, 688-713.	5.5	164
44	Tuning the autophagy-inducing activity of lanthanide-based nanocrystals through specific surface-coating peptides. <i>Nature Materials</i> , 2012, 11, 817-826.	13.3	158
45	Smartphone based visual and quantitative assays on upconversion paper sensor. <i>Biosensors and Bioelectronics</i> , 2016, 75, 427-432.	5.3	152
46	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
47	Preparation of porous materials with ordered hole structure. <i>Advances in Colloid and Interface Science</i> , 2006, 121, 9-23.	7.0	149
48	Natural-Synthetic Polyblend Nanofibers for Biomedical Applications. <i>Advanced Materials</i> , 2009, 21, 2792-2797.	11.1	145
49	Protein and cell micropatterning and its integration with micro/nanoparticles assembly. <i>Biosensors and Bioelectronics</i> , 2007, 22, 775-788.	5.3	144
50	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
51	NIR-to-visible upconversion nanoparticles for fluorescent labeling and targeted delivery of siRNA. <i>Nanotechnology</i> , 2009, 20, 155101.	1.3	143
52	One-pot synthesis of chitosan/LaF ₃ :Eu ³⁺ nanocrystals for bio-applications. <i>Nanotechnology</i> , 2006, 17, 1527-1532.	1.3	135
53	Surface modification of monodisperse magnetite nanoparticles for improved intracellular uptake to breast cancer cells. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 352-357.	5.0	134
54	Facile synthesis of water-soluble LaF ₃ :Ln ³⁺ nanocrystals. <i>Journal of Materials Chemistry</i> , 2006, 16, 1031.	6.7	129

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55	Micropatterning of Proteins on 3D Porous Polymer Film Fabricated by Using the Breath-Figure Method. <i>Advanced Materials</i> , 2007, 19, 913-916.	11.1	128
56	Upconversion nanoparticles for sensitive and in-depth detection of Cu ²⁺ ions. <i>Nanoscale</i> , 2012, 4, 6065.	2.8	125
57	A Review on Deterministic Lateral Displacement for Particle Separation and Detection. <i>Nano-Micro Letters</i> , 2019, 11, 77.	14.4	119
58	Sandwich-structured upconversion nanoparticles with tunable color for multiplexed cell labeling. <i>Biomaterials</i> , 2013, 34, 1722-1731.	5.7	113
59	Applications of upconversion nanoparticles in imaging, detection and therapy. <i>Nanomedicine</i> , 2011, 6, 1273-1288.	1.7	112
60	Engineering of Lanthanide-Doped Upconversion Nanoparticles for Optical Encoding. <i>Small</i> , 2016, 12, 836-852.	5.2	110
61	Near-Infrared Excited Orthogonal Emissive Upconversion Nanoparticles for Imaging-Guided On-Demand Therapy. <i>ACS Nano</i> , 2019, 13, 10405-10418.	7.3	108
62	Multicolour PEI/NaGdF ₄ :Ce ³⁺ ,Ln ³⁺ +nanocrystals by single-wavelength excitation. <i>Nanotechnology</i> , 2007, 18, 025701.	1.3	106
63	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
64	Upconversion superballs for programmable photoactivation of therapeutics. <i>Nature Communications</i> , 2019, 10, 4586.	5.8	100
65	Design and Synthesis of Polymer-Functionalized NIR Fluorescent Dyes—Magnetic Nanoparticles for Bioimaging. <i>ACS Nano</i> , 2013, 7, 6796-6805.	7.3	98
66	Nanotechnology: a promising method for oral cancer detection and diagnosis. <i>Journal of Nanobiotechnology</i> , 2018, 16, 52.	4.2	98
67	Surface modification of gold and quantum dot nanoparticles with chitosan for bioapplications. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 56-62.	2.1	97
68	Encapsulation of Quantum Nanodots in Polystyrene and Silica Micro-/Nanoparticles. <i>Langmuir</i> , 2004, 20, 6071-6073.	1.6	94
69	ZnO/COF S-scheme heterojunction for improved photocatalytic H ₂ O ₂ production performance. <i>Chemical Engineering Journal</i> , 2022, 444, 136584.	6.6	94
70	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
71	<i>In vivo</i> Biocompatibility, Biodistribution and Therapeutic Efficiency of Titania Coated Upconversion Nanoparticles for Photodynamic Therapy of Solid Oral Cancers. <i>Theranostics</i> , 2016, 6, 1844-1865.	4.6	92
72	Self-Assembled Coatings on Individual Monodisperse Magnetite Nanoparticles for Efficient Intracellular Uptake. <i>Biomedical Microdevices</i> , 2004, 6, 33-40.	1.4	89

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73	Strong Coupling of MoS ₂ Nanosheets and Nitrogen-Doped Graphene for High-Performance Pseudocapacitance Lithium Storage. <i>Small</i> , 2018, 14, e1704410.	5.2	89
74	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
75	Hybrid Lanthanide Nanoparticles with Paramagnetic Shell Coated on Upconversion Fluorescent Nanocrystals. <i>Langmuir</i> , 2009, 25, 12015-12018.	1.6	86
76	Small Upconverting Fluorescent Nanoparticles for Biosensing and Bioimaging. <i>Advanced Optical Materials</i> , 2016, 4, 984-997.	3.6	86
77	Depositing CdS nanoclusters on carbon-modified NaYF ₄ :Yb,Tm upconversion nanocrystals for NIR-light enhanced photocatalysis. <i>Nanoscale</i> , 2016, 8, 553-562.	2.8	86
78	Manipulating energy migration within single lanthanide activator for switchable upconversion emissions towards bidirectional photoactivation. <i>Nature Communications</i> , 2019, 10, 4416.	5.8	85
79	Multifunctional Quantum-Dot-Based Magnetic Chitosan Nanobeads. <i>Advanced Materials</i> , 2005, 17, 2375-2380.	11.1	84
80	Exploring Heterostructured Upconversion Nanoparticles: From Rational Engineering to Diverse Applications. <i>ACS Nano</i> , 2021, 15, 3709-3735.	7.3	82
81	Ultrafine biocompatible chitosan nanoparticles encapsulating multi-coloured quantum dots for bioapplications. <i>Journal of Colloid and Interface Science</i> , 2007, 310, 464-470.	5.0	81
82	Cell growth and function on calcium phosphate reinforced chitosan scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 255-260.	1.7	80
83	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
84	Transplantation of Nanoparticle Transfected Skeletal Myoblasts Overexpressing Vascular Endothelial Growth Factor-165 for Cardiac Repair. <i>Circulation</i> , 2007, 116, 1113-20.	1.6	79
85	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
86	Luminescence behavior of Eu ³⁺ doped LaF ₃ nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2455-2459.	2.0	75
87	Non-viral nanocarriers for siRNA delivery in breast cancer. <i>Journal of Controlled Release</i> , 2014, 190, 440-450.	4.8	75
88	Real-time modulated nanoparticle separation with an ultra-large dynamic range. <i>Lab on A Chip</i> , 2016, 16, 75-85.	3.1	75
89	Size-selective QD@MOF core-shell nanocomposites for the highly sensitive monitoring of oxidase activities. <i>Biosensors and Bioelectronics</i> , 2017, 87, 339-344.	5.3	75
90	An Excitation Navigating Energy Migration of Lanthanide Ions in Upconversion Nanoparticles. <i>Advanced Materials</i> , 2020, 32, e1906225.	11.1	75

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91	Synthesis and characterization of monodisperse chitosan nanoparticles with embedded quantum dots. <i>Nanotechnology</i> , 2006, 17, 140-144.	1.3	69
92	Phase angle encoded upconversion luminescent nanocrystals for multiplexing applications. <i>Nanoscale</i> , 2017, 9, 1676-1686.	2.8	66
93	Core-shell upconversion nanoparticle semiconductor heterostructures for photodynamic therapy. <i>Scientific Reports</i> , 2015, 5, 8252.	1.6	65
94	Crystallization and microstructure analysis of calcium phosphate-based glass ceramics for biomedical applications. <i>Journal of Non-Crystalline Solids</i> , 2000, 272, 14-21.	1.5	64
95	Upconversion nanoparticle based LRET system for sensitive detection of MRSA DNA sequence. <i>Biosensors and Bioelectronics</i> , 2013, 43, 252-256.	5.3	64
96	Bacterial imaging with photostable upconversion fluorescent nanoparticles. <i>Biomaterials</i> , 2014, 35, 2987-2998.	5.7	64
97	LRET-Based Biodetection of DNA Release in Live Cells Using Surface-Modified Upconverting Fluorescent Nanoparticles. <i>Langmuir</i> , 2011, 27, 2854-2860.	1.6	61
98	Microstructural and mechanical characterization of chitosan scaffolds reinforced by calcium phosphates. <i>Journal of Non-Crystalline Solids</i> , 2001, 282, 159-164.	1.5	60
99	Life Cycle-Dependent Cytoskeletal Modifications in Plasmodium falciparum Infected Erythrocytes. <i>PLoS ONE</i> , 2013, 8, e61170.	1.1	59
100	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
101	NIR-excitable heterostructured upconversion perovskite nanodots with improved stability. <i>Nature Communications</i> , 2021, 12, 219.	5.8	57
102	Lanthanides-doped near-infrared active upconversion nanocrystals: Upconversion mechanisms and synthesis. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213870.	9.5	56
103	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
104	Towards translational optogenetics. <i>Nature Biomedical Engineering</i> , 2023, 7, 349-369.	11.6	54
105	Magnetic Resonance Imaging (MRI) Contrast Agents for Tumor Diagnosis. <i>Journal of Healthcare Engineering</i> , 2013, 4, 23-46.	1.1	51
106	Porous Polymer Films with Size-Tunable Surface Pores. <i>Chemistry of Materials</i> , 2007, 19, 2581-2584.	3.2	49
107	Microbead Patterning on Porous Films with Ordered Arrays of Pores. <i>Advanced Materials</i> , 2006, 18, 3094-3098.	11.1	47
108	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

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109	A two-photon fluorescent turn-on probe for imaging of SO ₂ derivatives in living cells and tissues. <i>Analytica Chimica Acta</i> , 2016, 937, 136-142.	2.6	47
110	Fluorescent microbeads for point-of-care testing: a review. <i>Mikrochimica Acta</i> , 2019, 186, 361.	2.5	46
111	Assembly of polystyrene microspheres and its application in cell micropatterning. <i>Biomaterials</i> , 2007, 28, 2328-2338.	5.7	45
112	Upconversion Nanoparticles-Encoded Hydrogel Microbeads-Based Multiplexed Protein Detection. <i>Nano-Micro Letters</i> , 2018, 10, 31.	14.4	44
113	G-Quadruplex/Porphyrin Composite Photosensitizer: A Facile Way to Promote Absorption Redshift and Photodynamic Therapy Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13158-13167.	4.0	44
114	A Flexible PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. <i>Advanced Materials</i> , 2020, 32, 2001459.	11.1	44
115	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
116	Upconversion fluorescent nanoparticles as a potential tool for in-depth imaging. <i>Nanotechnology</i> , 2011, 22, 395101.	1.3	43
117	Silk Fibroin-Based Complex Particles with Bioactive Encrustation for Bone Morphogenetic Protein 2 Delivery. <i>Biomacromolecules</i> , 2013, 14, 4465-4474.	2.6	43
118	Photon Upconversion Kinetic Nanosystems and Their Optical Response. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700144.	4.4	42
119	Fluorescent label-free quantitative detection of nano-sized bioparticles using a pillar array. <i>Nature Communications</i> , 2018, 9, 1254.	5.8	41
120	A protected excitation-energy reservoir for efficient upconversion luminescence. <i>Nanoscale</i> , 2018, 10, 250-259.	2.8	41
121	Modularly Assembled Upconversion Nanoparticles for Orthogonally Controlled Cell Imaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12549-12556.	4.0	40
122	Zinc-Dithizone Complex Engineered Upconverting Nanosensors for the Detection of Hypochlorite in Living Cells. <i>Small</i> , 2015, 11, 4568-4575.	5.2	39
123	Multicolor polystyrene nanospheres tagged with up-conversion fluorescent nanocrystals. <i>Nanotechnology</i> , 2008, 19, 255601.	1.3	38
124	In vitro and in vivo evaluation of folate receptor-targeting amphiphilic copolymer-modified liposomes loaded with docetaxel. <i>International Journal of Nanomedicine</i> , 2011, 6, 1167.	3.3	38
125	Real-Time Visualization of Cysteine Metabolism in Living Cells with Ratiometric Fluorescence Probes. <i>Analytical Chemistry</i> , 2018, 90, 2686-2691.	3.2	38
126	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

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127	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
128	Upconversion: road to El Dorado of the fluorescence world. <i>Luminescence</i> , 2010, 25, 290-293.	1.5	36
129	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
130	Spectral engineering of lanthanide-doped upconversion nanoparticles and their biosensing applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1743-1770.	3.2	36
131	Protein Micropatterning via Self-Assembly of Nanoparticles. <i>Advanced Materials</i> , 2005, 17, 150-153.	11.1	35
132	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
133	Upconversion Nanoprobes with Highly Efficient Energy Transfer for Ultrasensitive Detection of Alkaline Phosphatase. <i>ACS Sensors</i> , 2019, 4, 2864-2868.	4.0	35
134	Orthogonal Emissive Upconversion Nanoparticles: Material Design and Applications. <i>Small</i> , 2021, 17, e2004552.	5.2	35
135	Purification and N-terminal sequence of a serine proteinase-like protein (BMK-CBP) from the venom of the Chinese scorpion (<i>Buthus martensii</i> Karsch). <i>Toxicon</i> , 2008, 52, 348-353.	0.8	34
136	Luminescent lanthanide nanomaterials: an emerging tool for theranostic applications. <i>Nanomedicine</i> , 2015, 10, 1477-1491.	1.7	33
137	Near-infrared photothermal activation of microgels incorporating polypyrrole nanotransducers through droplet microfluidics. <i>Chemical Communications</i> , 2013, 49, 7887.	2.2	32
138	A paradigm shift in the excitation wavelength of upconversion nanoparticles. <i>Nanoscale</i> , 2014, 6, 8441-8443.	2.8	32
139	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
140	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
141	Elimination of concentration dependent luminescence quenching in surface protected upconversion nanoparticles. <i>Nanoscale</i> , 2018, 10, 16447-16454.	2.8	31
142	Construction of a near-infrared responsive upconversion nanoplatfrom against hypoxic tumors via NO-enhanced photodynamic therapy. <i>Nanoscale</i> , 2020, 12, 7875-7887.	2.8	31
143	Near-infrared-responsive functional nanomaterials: the first domino of combined tumor therapy. <i>Nano Today</i> , 2021, 36, 100963.	6.2	30
144	Non-covalent interactions of graphene surface: Mechanisms and applications. <i>CheM</i> , 2022, 8, 947-979.	5.8	29

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145	Recent advances in radiation therapy and photodynamic therapy. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	29
146	Immobilization of polydiacetylene onto silica microbeads for colorimetric detection. <i>Journal of Materials Chemistry</i> , 2006, 16, 546-549.	6.7	28
147	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
148	Metal-enhanced upconversion luminescence of NaYF ₄ :Yb/Er with Ag nanoparticles. <i>Materials Research Bulletin</i> , 2017, 88, 182-187.	2.7	28
149	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
150	Multi-Functional Chitosan Nanoparticles Encapsulating Quantum Dots and Gd-DTPA as Imaging Probes for Bio-Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2389-2393.	0.9	26
151	Synthesis of hollow and mesoporous polycaprolactone nanocapsules. <i>Nanoscale</i> , 2011, 3, 2215.	2.8	26
152	Influence of SiO ₂ layer on the plasmon quenched upconversion luminescence emission of core-shell NaYF ₄ :Yb,Er@SiO ₂ @Ag nanocomposites. <i>Materials Research Bulletin</i> , 2016, 83, 515-521.	2.7	26
153	Facile synthesis of lanthanide nanoparticles with paramagnetic, down- and up-conversion properties. <i>Nanoscale</i> , 2010, 2, 1240.	2.8	25
154	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
155	Comparative investigation of the optical spectroscopic and thermal effect in Nd ³⁺ -doped nanoparticles. <i>Nanoscale</i> , 2019, 11, 10220-10228.	2.8	25
156	Dual-light triggered metabolizable nano-micelles for selective tumor-targeted photodynamic/hyperthermia therapy. <i>Acta Biomaterialia</i> , 2021, 119, 323-336.	4.1	25
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