

Dayong Jin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

10,415
citations

48
h-index

97
g-index

271
ext. papers

13,233
ext. citations

11.1
avg, IF

6.75
L-index

#	Paper	IF	Citations
208	Controlling upconversion nanocrystals for emerging applications. <i>Nature Nanotechnology</i> , 2015 , 10, 924-236	28.7	970
207	Tunable lifetime multiplexing using luminescent nanocrystals. <i>Nature Photonics</i> , 2014 , 8, 32-36	33.9	530
206	Advances in highly doped upconversion nanoparticles. <i>Nature Communications</i> , 2018 , 9, 2415	17.4	502
205	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. <i>Nature Nanotechnology</i> , 2013 , 8, 729-34	28.7	483
204	Amplified stimulated emission in upconversion nanoparticles for super-resolution nanoscopy. <i>Nature</i> , 2017 , 543, 229-233	50.4	473
203	Recent advances in functional nanomaterials for light-triggered cancer therapy. <i>Nano Today</i> , 2018 , 19, 146-187	17.9	325
202	Multicolor barcoding in a single upconversion crystal. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4893-6	16.4	302
201	Upconversion luminescence with tunable lifetime in NaYF ₄ :Yb,Er nanocrystals: role of nanocrystal size. <i>Nanoscale</i> , 2013 , 5, 944-52	7.7	278
200	Three-dimensional controlled growth of monodisperse sub-50 nm heterogeneous nanocrystals. <i>Nature Communications</i> , 2016 , 7, 10254	17.4	205
199	Large-area display textiles integrated with functional systems. <i>Nature</i> , 2021 , 591, 240-245	50.4	177
198	Activation of the surface dark-layer to enhance upconversion in a thermal field. <i>Nature Photonics</i> , 2018 , 12, 154-158	33.9	174
197	New strategy for designing orangish-red-emitting phosphor via oxygen-vacancy-induced electronic localization. <i>Light: Science and Applications</i> , 2019 , 8, 15	16.7	173
196	Recent Progress in Near Infrared Light Triggered Photodynamic Therapy. <i>Small</i> , 2017 , 13, 1702299	11	171
195	Recent advances in near-infrared emitting lanthanide-doped nanoconstructs: Mechanism, design and application for bioimaging. <i>Coordination Chemistry Reviews</i> , 2019 , 381, 104-134	23.2	165
194	Optical Nanomaterials and Enabling Technologies for High-Security-Level Anticounterfeiting. <i>Advanced Materials</i> , 2020 , 32, e1901430	24	165
193	808 nm Light-triggered and hyaluronic acid-targeted dual-photosensitizers nanoplatform by fully utilizing Nd(3+)-sensitized upconversion emission with enhanced anti-tumor efficacy. <i>Biomaterials</i> , 2016 , 101, 32-46	15.6	150
192	Nanoparticles for super-resolution microscopy and single-molecule tracking. <i>Nature Methods</i> , 2018 , 15, 415-423	21.6	142

191	Optimal Sensitizer Concentration in Single Upconversion Nanocrystals. <i>Nano Letters</i> , 2017 , 17, 2858-2864	11.5	118
190	Challenges in DNA Delivery and Recent Advances in Multifunctional Polymeric DNA Delivery Systems. <i>Biomacromolecules</i> , 2017 , 18, 2231-2246	6.9	115
189	Heterogeneously Nd doped single nanoparticles for NIR-induced heat conversion, luminescence, and thermometry. <i>Nanoscale</i> , 2017 , 9, 8288-8297	7.7	114
188	Advances and challenges for fluorescence nanothermometry. <i>Nature Methods</i> , 2020 , 17, 967-980	21.6	112
187	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. <i>Nature Communications</i> , 2014 , 5, 3741	17.4	111
186	AuPt-PEG-Ce6 nanoformulation with dual nanozyme activities for synergistic chemodynamic therapy / phototherapy. <i>Biomaterials</i> , 2020 , 252, 120093	15.6	104
185	Time-gated luminescence microscopy allowing direct visual inspection of lanthanide-stained microorganisms in background-free condition. <i>Analytical Chemistry</i> , 2011 , 83, 2294-300	7.8	103
184	MnO ₂ -Disguised Upconversion Hybrid Nanocomposite: An Ideal Architecture for Tumor Microenvironment-Triggered UCL/MR Bioimaging and Enhanced Chemodynamic Therapy. <i>Chemistry of Materials</i> , 2019 , 31, 2651-2660	9.6	92
183	Multi-photon near-infrared emission saturation nanoscopy using upconversion nanoparticles. <i>Nature Communications</i> , 2018 , 9, 3290	17.4	92
182	Microscopic inspection and tracking of single upconversion nanoparticles in living cells. <i>Light: Science and Applications</i> , 2018 , 7, 18007	16.7	92
181	Impact of Lanthanide Nanomaterials on Photonic Devices and Smart Applications. <i>Small</i> , 2018 , 14, e1801882	18.2	87
180	High-sensitivity imaging of time-domain near-infrared light transducer. <i>Nature Photonics</i> , 2019 , 13, 525-531	31.9	85
179	Visible-light-sensitized highly luminescent europium nanoparticles: preparation and application for time-gated luminescence bioimaging. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1258		83
178	Single-particle spectroscopy for functional nanomaterials. <i>Nature</i> , 2020 , 579, 41-50	50.4	82
177	Silica shell-assisted synthetic route for mono-disperse persistent nanophosphors with enhanced in vivo recharged near-infrared persistent luminescence. <i>Nano Research</i> , 2017 , 10, 2070-2082	10	80
176	Comparative structural analysis of the glycosylation of salivary and buccal cell proteins: innate protection against infection by <i>Candida albicans</i> . <i>Glycobiology</i> , 2012 , 22, 1465-79	5.8	78
175	Future and challenges for hybrid upconversion nanosystems. <i>Nature Photonics</i> , 2019 , 13, 828-838	33.9	73
174	Tumour microenvironment responsive nanoconstructs for cancer theranostic. <i>Nano Today</i> , 2019 , 26, 16-56	17.9	73

173	Upconversion in NaYF(4):Yb, Er nanoparticles amplified by metal nanostructures. <i>Nanotechnology</i> , 2011 , 22, 325604	3.4	68
172	High-Contrast Visualization of Upconversion Luminescence in Mice Using Time-Gating Approach. <i>Analytical Chemistry</i> , 2016 , 88, 3449-54	7.8	68
171	Quantitative Lateral Flow Strip Sensor Using Highly Doped Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2018 , 90, 12356-12360	7.8	65
170	Super-resolution dipole orientation mapping via polarization demodulation. <i>Light: Science and Applications</i> , 2016 , 5, e16166	16.7	62
169	Colorectal Tumor Microenvironment-Activated Bio-Decomposable and Metabolizable Cu O@CaCO Nanocomposites for Synergistic Oncotherapy. <i>Advanced Materials</i> , 2020 , 32, e2004647	24	59
168	A stoichiometric terbium-europium dyad molecular thermometer: energy transfer properties. <i>Light: Science and Applications</i> , 2018 , 7, 96	16.7	59
167	3D Printing of Inertial Microfluidic Devices. <i>Scientific Reports</i> , 2020 , 10, 5929	4.9	58
166	Mirror-enhanced super-resolution microscopy. <i>Light: Science and Applications</i> , 2016 , 5,	16.7	58
165	Upconversion Nanocrystal-Doped Glass: A New Paradigm for Photonic Materials. <i>Advanced Optical Materials</i> , 2016 , 4, 1507-1517	8.1	57
164	Ultrabright Eu-doped plasmonic Ag@SiO ₂ nanostructures: time-gated bioprobes with single particle sensitivity and negligible background. <i>Advanced Materials</i> , 2011 , 23, 4649-54	24	56
163	Luminescent europium nanoparticles with a wide excitation range from UV to visible light for biolabeling and time-gated luminescence bioimaging. <i>Chemical Communications</i> , 2008 , 365-7	5.8	56
162	Developing red-emissive ruthenium(II) complex-based luminescent probes for cellular imaging. <i>Bioconjugate Chemistry</i> , 2012 , 23, 725-33	6.3	55
161	Ultrasensitive Ratiometric Nanothermometer with Large Dynamic Range and Photostability. <i>Chemistry of Materials</i> , 2019 , 31, 9480-9487	9.6	53
160	An integrin Intermediate affinity state mediates biomechanical platelet aggregation. <i>Nature Materials</i> , 2019 , 18, 760-769	27	48
159	Practical implementation, characterization and applications of a multi-colour time-gated luminescence microscope. <i>Scientific Reports</i> , 2014 , 4, 6597	4.9	47
158	Preparation and time-resolved luminescence bioassay application of multicolor luminescent lanthanide nanoparticles. <i>Journal of Fluorescence</i> , 2010 , 20, 321-8	2.4	47
157	Systematic investigation of functional ligands for colloidal stable upconversion nanoparticles.. <i>RSC Advances</i> , 2018 , 8, 4842-4849	3.7	46
156	Magnetically targeted delivery of DOX loaded Cu ₉ S ₅ @mSiO ₂ @Fe ₃ O ₄ -PEG nanocomposites for combined MR imaging and chemo/photothermal synergistic therapy. <i>Nanoscale</i> , 2016 , 8, 12560-9	7.7	46

155	Targeted iron nanoparticles with platinum-(IV) prodrugs and anti-EZH2 siRNA show great synergy in combating drug resistance in vitro and in vivo. <i>Biomaterials</i> , 2018 , 155, 112-123	15.6	43
154	One-Step Protein Conjugation to Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2015 , 87, 10406-13	7.8	42
153	Rational design of a comprehensive cancer therapy platform using temperature-sensitive polymer grafted hollow gold nanospheres: simultaneous chemo/photothermal/photodynamic therapy triggered by a 650 nm laser with enhanced anti-tumor efficacy. <i>Nanoscale</i> , 2016 , 8, 6837-50	7.7	42
152	Long-lived visible luminescence of UV LEDs and impact on LED excited time-resolved fluorescence applications. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 461-465	3	41
151	The Quest for Optical Multiplexing in Bio-discoveries. <i>Chem</i> , 2018 , 4, 997-1021	16.2	40
150	High intensity solid-state UV source for time-gated luminescence microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006 , 69, 1020-7	4.6	40
149	All-optical control and super-resolution imaging of quantum emitters in layered materials. <i>Nature Communications</i> , 2018 , 9, 874	17.4	39
148	Development of a functional ruthenium(II) complex for probing hypochlorous acid in living cells. <i>Dalton Transactions</i> , 2014 , 43, 8414-20	4.3	39
147	Multifunctional chitosan/polyvinyl pyrrolidone/45S5 Bioglass scaffolds for MC3T3-E1 cell stimulation and drug release. <i>Materials Science and Engineering C</i> , 2015 , 56, 473-80	8.3	38
146	Versatile Application of Fluorescent Quantum Dot Labels in Super-resolution Fluorescence Microscopy. <i>ACS Photonics</i> , 2016 , 3, 1611-1618	6.3	37
145	Super-resolution imaging of fluorescent dipoles via polarized structured illumination microscopy. <i>Nature Communications</i> , 2019 , 10, 4694	17.4	37
144	Photoluminescent and electrochemiluminescent dual-signaling probe for bio-thiols based on a ruthenium(II) complex. <i>Analytica Chimica Acta</i> , 2012 , 740, 80-7	6.6	37
143	Development of a visible-light-sensitized europium complex for time-resolved fluorometric application. <i>Analytical Chemistry</i> , 2010 , 82, 2529-35	7.8	37
142	Preparation and time-gated luminescence bioimaging applications of long wavelength-excited silica-encapsulated europium nanoparticles. <i>Nanoscale</i> , 2012 , 4, 3551-7	7.7	36
141	Optimization of upconversion luminescence of Nd(3+)-sensitized BaGdF5-based nanostructures and their application in dual-modality imaging and drug delivery. <i>Dalton Transactions</i> , 2016 , 45, 1708-16	4.3	35
140	Probing the Interior Crystal Quality in the Development of More Efficient and Smaller Upconversion Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3252-8	6.4	35
139	Multifunctional luminescent nanomaterials from NaLa(MoO4)2:Eu(3+)/Tb(3+) with tunable decay lifetimes, emission colors, and enhanced cell viability. <i>Scientific Reports</i> , 2015 , 5, 11844	4.9	34
138	Background-free in-vivo Imaging of Vitamin C using Time-gateable Responsive Probe. <i>Scientific Reports</i> , 2015 , 5, 14194	4.9	34

137	808 nm photocontrolled UCL imaging guided chemo/photothermal synergistic therapy with single UCNPs-CuS@PAA nanocomposite. <i>Dalton Transactions</i> , 2016 , 45, 13061-9	4.3	33
136	New class of tetradentate β-diketonate-europium complexes that can be covalently bound to proteins for time-gated fluorometric application. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1244-51	6.3	33
135	Background free imaging of upconversion nanoparticle distribution in human skin. <i>Journal of Biomedical Optics</i> , 2013 , 18, 061215	3.5	33
134	Emerging technologies for profiling extracellular vesicle heterogeneity. <i>Lab on A Chip</i> , 2020 , 20, 2423-2437	3.7	32
133	Anisotropic functionalization of upconversion nanoparticles. <i>Chemical Science</i> , 2018 , 9, 4352-4358	9.4	31
132	Exonuclease III-Assisted Upconversion Resonance Energy Transfer in a Wash-Free Suspension DNA Assay. <i>Analytical Chemistry</i> , 2018 , 90, 663-668	7.8	31
131	Achieving 10 resolution CW STED nanoscopy with a Ti:Sapphire oscillator. <i>PLoS ONE</i> , 2012 , 7, e40003	3.7	30
130	Practical time-gated luminescence flow cytometry. II: experimental evaluation using UV LED excitation. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007 , 71, 797-808	4.6	30
129	Mitochondrial dynamics quantitatively revealed by STED nanoscopy with an enhanced squaraine variant probe. <i>Nature Communications</i> , 2020 , 11, 3699	17.4	29
128	Nanoarchitectonics of Visible-Blind Ultraviolet Photodetector Materials: Critical Features and Nano-Microfabrication. <i>Advanced Optical Materials</i> , 2019 , 7, 1800580	8.1	29
127	Depth-profiling of Yb sensitizer ions in NaYF upconversion nanoparticles. <i>Nanoscale</i> , 2017 , 9, 7719-7726	7.7	28
126	Europium chelate (BHHCT-Eu ³⁺) and its metal nanostructure enhanced luminescence applied to bioassays and time-gated bioimaging. <i>Langmuir</i> , 2010 , 26, 10036-43	4	28
125	Preparation and time-gated luminescence bioimaging application of ruthenium complex covalently bound silica nanoparticles. <i>Talanta</i> , 2009 , 79, 103-8	6.2	28
124	Enhanced flow cytometry-based bead immunoassays using metal nanostructures. <i>Analytical Chemistry</i> , 2009 , 81, 7248-55	7.8	28
123	Large-scale dewetting assembly of gold nanoparticles for plasmonic enhanced upconversion nanoparticles. <i>Nanoscale</i> , 2018 , 10, 6270-6276	7.7	27
122	Rapid Softlithography Using 3D-Printed Molds. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900425	6.8	27
121	Time-gated flow cytometry: an ultra-high selectivity method to recover ultra-rare-event mu-targets in high-background biosamples. <i>Journal of Biomedical Optics</i> , 2009 , 14, 024023	3.5	27
120	Learning from lanthanide complexes: The development of dye-lanthanide nanoparticles and their biomedical applications. <i>Coordination Chemistry Reviews</i> , 2021 , 429, 213642	23.2	26

119	Thermally enhanced NIR-NIR anti-Stokes emission in rare earth doped nanocrystals. <i>Nanoscale</i> , 2019 , 11, 12547-12552	7.7	25
118	A supramolecular self-assembly strategy for upconversion nanoparticle bioconjugation. <i>Chemical Communications</i> , 2018 , 54, 3851-3854	5.8	25
117	Point of Care Diagnostics in the Age of COVID-19. <i>Diagnostics</i> , 2020 , 11,	3.8	24
116	Phenanthriplatin(IV) conjugated multifunctional up-converting nanoparticles for drug delivery and biomedical imaging. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5059-5068	7.3	23
115	Application of exonuclease III-aided target recycling in flow cytometry: DNA detection sensitivity enhanced by orders of magnitude. <i>Analytical Chemistry</i> , 2013 , 85, 8240-5	7.8	23
114	Time-gated orthogonal scanning automated microscopy (OSAM) for high-speed cell detection and analysis. <i>Scientific Reports</i> , 2012 , 2, 837	4.9	23
113	Magneto-Electrically Enhanced Intracellular Catalysis of FePt-FeC Heterostructures for Chemodynamic Therapy. <i>Advanced Materials</i> , 2021 , 33, e2100472	24	23
112	Gradient-sized control of tumor spheroids on a single chip. <i>Lab on A Chip</i> , 2019 , 19, 4093-4103	7.2	23
111	Reversible and Sensitive Hg Detection by a Cell-Permeable Ytterbium Complex. <i>Inorganic Chemistry</i> , 2018 , 57, 120-128	5.1	23
110	Boosting NIR-driven photocatalytic water splitting by constructing 2D/3D epitaxial heterostructures. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13629-13634	13	21
109	Emission stability and reversibility of upconversion nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9227-9234	7.1	21
108	Double-Sensitive Drug Release System Based on MnO ₂ Assembled Upconversion Nanoconstruct for Double-Model Guided Chemotherapy. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1648-1656	5.6	20
107	Stable Upconversion Nanohybrid Particles for Specific Prostate Cancer Cell Immunodetection. <i>Scientific Reports</i> , 2016 , 6, 37533	4.9	20
106	Practical time-gated luminescence flow cytometry. I: concepts. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007 , 71, 783-96	4.6	20
105	High-dimensional super-resolution imaging reveals heterogeneity and dynamics of subcellular lipid membranes. <i>Nature Communications</i> , 2020 , 11, 5890	17.4	20
104	Quantitatively Monitoring Mitochondrial Thermal Dynamics by Upconversion Nanoparticles. <i>Nano Letters</i> , 2021 , 21, 1651-1658	11.5	20
103	Upconversion Nonlinear Structured Illumination Microscopy. <i>Nano Letters</i> , 2020 , 20, 4775-4781	11.5	19
102	Developing novel methods to image and visualize 3D genomes. <i>Cell Biology and Toxicology</i> , 2018 , 34, 367-380	7.4	19

101	Sensitive Time-Gated Immunoluminescence Detection of Prostate Cancer Cells Using a TEGylated Europium Ligand. <i>Analytical Chemistry</i> , 2016 , 88, 9564-9571	7.8	19
100	3D printing enables the rapid prototyping of modular microfluidic devices for particle conjugation. <i>Applied Materials Today</i> , 2020 , 20, 100726	6.6	18
99	Super-Resolution Mapping of Single Nanoparticles inside Tumor Spheroids. <i>Small</i> , 2020 , 16, e1905572	11	18
98	Optical tweezers beyond refractive index mismatch using highly doped upconversion nanoparticles. <i>Nature Nanotechnology</i> , 2021 , 16, 531-537	28.7	18
97	MEMS piezoresistive flow sensors for sleep apnea therapy. <i>Sensors and Actuators A: Physical</i> , 2018 , 279, 577-585	3.9	18
96	Structured illumination microscopy using digital micro-mirror device and coherent light source. <i>Applied Physics Letters</i> , 2020 , 116, 233702	3.4	17
95	How to build a time-gated luminescence microscope. <i>Current Protocols in Cytometry</i> , 2014 , 67, 2.22.1-2.22.36	3.6	17
94	Controlled Synthesis, Evolution Mechanisms, and Luminescent Properties of ScF _x :Ln (x = 2.76, 3) Nanocrystals. <i>Chemistry of Materials</i> , 2017 , 29, 9758-9766	9.6	17
93	One-step Conjugation of Glycyrrhetic Acid to Cationic Polymers for High-performance Gene Delivery to Cultured Liver Cell. <i>Scientific Reports</i> , 2016 , 6, 21891	4.9	16
92	Taking Plasmonic CoreShell Nanoparticles Toward Laser Threshold. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7546-7551	3.8	16
91	Low threshold lasing emissions from a single upconversion nanocrystal. <i>Nature Communications</i> , 2020 , 11, 6156	17.4	16
90	Helix Shape Power-Dependent Properties of Single Upconversion Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2883-2890	6.4	15
89	Bispecific Antibody-Functionalized Upconversion Nanoprobe. <i>Analytical Chemistry</i> , 2018 , 90, 3024-3029	7.8	15
88	Automated detection of rare-event pathogens through time-gated luminescence scanning microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011 , 79, 349-55	4.6	15
87	Calibration beads containing luminescent lanthanide ion complexes. <i>Journal of Biomedical Optics</i> , 2009 , 14, 024022	3.5	15
86	Lanthanide upconversion within microstructured optical fibers: improved detection limits for sensing and the demonstration of a new tool for nanocrystal characterization. <i>Nanoscale</i> , 2012 , 4, 7448-51	7.7	14
85	Upconversion nanoparticles loaded with eIF4E siRNA and platinum(iv) prodrug to sensitize platinum based chemotherapy for laryngeal cancer and bioimaging. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 307-317	7.3	13
84	Resolving low-expression cell surface antigens by time-gated orthogonal scanning automated microscopy. <i>Analytical Chemistry</i> , 2012 , 84, 9674-8	7.8	13

83	Six-photon upconverted excitation energy lock-in for ultraviolet-C enhancement. <i>Nature Communications</i> , 2021 , 12, 4367	17.4	13
82	Networking State of Ytterbium Ions Probing the Origin of Luminescence Quenching and Activation in Nanocrystals. <i>Advanced Science</i> , 2021 , 8, 2003325	13.6	13
81	A Comprehensive Review on Intracellular Delivery. <i>Advanced Materials</i> , 2021 , 33, e2005363	24	13
80	Analytical description of high-aperture STED resolution with 0-2 π vortex phase modulation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013 , 30, 1640-5	1.8	12
79	Nanorods with multidimensional optical information beyond the diffraction limit. <i>Nature Communications</i> , 2020 , 11, 6047	17.4	12
78	Super-resolution fluorescence polarization microscopy. <i>Journal of Innovative Optical Health Sciences</i> , 2018 , 11, 1730002	1.2	11
77	Obstacle-free planar hybrid micromixer with low pressure drop. <i>Microfluidics and Nanofluidics</i> , 2020 , 24, 1	2.8	11
76	Direct cation exchange of surface ligand capped upconversion nanocrystals to produce strong luminescence. <i>Chemical Communications</i> , 2018 , 54, 9587-9590	5.8	10
75	Demonstration of true-color high-contrast microorganism imaging for terbium bioprobes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011 , 79, 392-7	4.6	10
74	Polarization-based super-resolution imaging of surface-enhanced Raman scattering nanoparticles with orientational information. <i>Nanoscale</i> , 2018 , 10, 19757-19765	7.7	10
73	Preselectable Optical Fingerprints of Heterogeneous Upconversion Nanoparticles. <i>Nano Letters</i> , 2021 , 21, 7659-7668	11.5	10
72	Tuning Enhancement Efficiency of Multiple Emissive Centers in Graphene Quantum Dots by Core-Shell Plasmonic Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5673-5679	6.4	9
71	Plasmonic platform based on nanoporous alumina membranes: order control via self-assembly. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9565-9577	13	9
70	Video-rate upconversion display from optimized lanthanide ion doped upconversion nanoparticles. <i>Nanoscale</i> , 2020 , 12, 18595-18599	7.7	9
69	A versatile upconversion surface evaluation platform for bio-nano surface selection for the nervous system. <i>Nanoscale</i> , 2017 , 9, 13683-13692	7.7	9
68	Heterochromatic Nonlinear Optical Responses in Upconversion Nanoparticles for Super-Resolution Nanoscopy. <i>Advanced Materials</i> , 2021 , 33, e2008847	24	9
67	Polymer-Functionalized Upconversion Nanoparticles for Light/Imaging-Guided Drug Delivery. <i>Biomacromolecules</i> , 2021 , 22, 3168-3201	6.9	9
66	Recent Progress in DNA Hybridization Chain Reaction Strategies for Amplified Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38931-38946	9.5	9

65	Mammary Tumor Organoid Culture in Non-Adhesive Alginate for Luminal Mechanics and High-Throughput Drug Screening. <i>Advanced Science</i> , 2021 , 8, e2102418	13.6	9
64	Background-free cytometry using rare earth complex bioprobes. <i>Methods in Cell Biology</i> , 2011 , 102, 479-583	5.83	8
63	Laser oblique scanning optical microscopy (LOSOM) for phase relief imaging. <i>Optics Express</i> , 2012 , 20, 14100-8	3.3	8
62	One-Step Loading of Gold and GdO Nanoparticles within PEGylated Polyethylenimine for Dual Mode Computed Tomography/Magnetic Resonance Imaging of Tumors.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 221-225	4.1	7
61	CRAFT: Multimodality confocal skin imaging for early cancer diagnosis. <i>Journal of Biophotonics</i> , 2012 , 5, 469-76	3.1	7
60	High-throughput 3-dimensional time-resolved spectroscopy: simultaneous characterisation of luminescence properties in spectral and temporal domains. <i>RSC Advances</i> , 2013 , 3, 8670	3.7	7
59	A homogeneous DNA assay by recovering inhibited emission of rare earth ions-doped upconversion nanoparticles. <i>Journal of Rare Earths</i> , 2019 , 37, 11-18	3.7	7
58	Taking upconversion to lase in microcavity. <i>Nature Nanotechnology</i> , 2018 , 13, 534-536	28.7	6
57	Topological nanophotonics for photoluminescence control. <i>Nanophotonics</i> , 2020 , 10, 435-441	6.3	6
56	PCR-free paper-based nanobiosensing platform for visual detection of telomerase activity via gold enhancement. <i>Microchemical Journal</i> , 2020 , 154, 104594	4.8	6
55	DNA-mediated anisotropic silica coating of upconversion nanoparticles. <i>Chemical Communications</i> , 2018 , 54, 7183-7186	5.8	5
54	Frequency-domain diagonal extension imaging. <i>Advanced Photonics</i> , 2020 , 2, 1	8.1	5
53	Enhancing Hybrid Upconversion Nanosystems via Synergistic Effects of Moiety Engineered NIR Dyes. <i>Nano Letters</i> , 2021 , 21, 9862-9868	11.5	5
52	Enabling peristalsis of human colon tumor organoids on microfluidic chips. <i>Biofabrication</i> , 2021 , 14,	10.5	5
51	Improving capture efficiency of human cancer cell derived exosomes with nanostructured metal organic framework functionalized beads. <i>Applied Materials Today</i> , 2021 , 23, 100994	6.6	5
50	Unidirectional intercellular communication on a microfluidic chip. <i>Biosensors and Bioelectronics</i> , 2021 , 175, 112833	11.8	5
49	Up-conversion hybrid nanomaterials for light- and heat-driven applications. <i>Progress in Materials Science</i> , 2021 , 121, 100838	42.2	5
48	StarchBorate-graphene oxide nanocomposites as highly efficient targeted antitumor drugs. <i>RSC Advances</i> , 2015 , 5, 94855-94858	3.7	4

47	Observation of mesenteric microcirculatory disturbance in rat by laser oblique scanning optical microscopy. <i>Scientific Reports</i> , 2013 , 3, 1762	4.9	4
46	A cost-effective analog method to produce time-gated luminescence images 2012 ,		4
45	Optical Fingerprint Classification of Single Upconversion Nanoparticles by Deep Learning. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10242-10248	6.4	4
44	A Portable RT-LAMP/CRISPR Machine for Rapid COVID-19 Screening. <i>Biosensors</i> , 2021 , 11,	5.9	4
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