

# Photon upconversion nanomaterials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Lanthanide-doped upconversion nanoparticles. <i>Physics Today</i> , 2015, 68, 38-44.	0.3	142
2	Energy Migration Upconversion in Manganese(II)-Doped Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13312-13317.	7.2	64
3	Recent Advances in Upconversion Nanoparticles-Based Multifunctional Nanocomposites for Combined Cancer Therapy. <i>Advanced Materials</i> , 2015, 27, 7692-7712.	11.1	243
4	Modular Integration of Upconverting Nanocrystal-Dendrimer Composites for Folate Receptor-Specific NIR Imaging and Light-Triggered Drug Release. <i>Small</i> , 2015, 11, 6078-6090.	5.2	61
5	Photon Upconversion Through Tb <sup>3+</sup> -Mediated Interfacial Energy Transfer. <i>Advanced Materials</i> , 2015, 27, 6208-6212.	11.1	89
7	The Effect of Coatings on the Affinity of Lanthanide Nanoparticles to MKN45 and HeLa Cancer Cells and Improvement in Photodynamic Therapy Efficiency. <i>International Journal of Molecular Sciences</i> , 2015, 16, 22415-22424.	1.8	14
8	Heterogeneous core/shell fluoride nanocrystals with enhanced upconversion photoluminescence for in vivo bioimaging. <i>Nanoscale</i> , 2015, 7, 10775-10780.	2.8	43
9	Active-core/active-shell nanostructured design: an effective strategy to enhance Nd <sup>3+</sup> /Yb <sup>3+</sup> cascade sensitized upconversion luminescence in lanthanide-doped nanoparticles. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7652-7657.	2.7	114
10	Intracellular Adenosine Triphosphate Deprivation through Lanthanide-Doped Nanoparticles. <i>Journal of the American Chemical Society</i> , 2015, 137, 6550-6558.	6.6	88
11	Synthesis, luminescence, and anti-tumor properties of MgSiO <sub>3</sub> :Eu-DOX-DPP-RGD hollow microspheres. <i>Dalton Transactions</i> , 2015, 44, 18585-18595.	1.6	5
12	An upconversion fluorescent resonant energy transfer biosensor for hepatitis B virus (HBV) DNA hybridization detection. <i>Analyst</i> , 2015, 140, 7622-7628.	1.7	44
13	Fast and background-free three-dimensional (3D) live-cell imaging with lanthanide-doped upconverting nanoparticles. <i>Nanoscale</i> , 2015, 7, 19397-19402.	2.8	31
14	Controlling upconversion nanocrystals for emerging applications. <i>Nature Nanotechnology</i> , 2015, 10, 924-936.	15.6	1,221
15	Lanthanide-doped semiconductor nanocrystals: electronic structures and optical properties. <i>Science China Materials</i> , 2015, 58, 819-850.	3.5	74
16	Effects of trisodium citrate on morphology of $\lambda$ -NaGd <sub>1-x</sub> Yb <sub>x</sub> F <sub>4</sub> :Er <sup>3+</sup> nanocrystals: role of Yb <sup>3+</sup> concentration. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 193-202.	1.1	2
17	Synthesis and thermometric properties of shuttle-like Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped NaLa(MoO <sub>4</sub> ) <sub>2</sub> microstructures. <i>CrystEngComm</i> , 2015, 17, 7745-7753.	1.3	45
18	Native Point Defects in CaS: Focus on Intrinsic Defects and Rare Earth Ion Dopant Levels for Up-converted Persistent Luminescence. <i>Inorganic Chemistry</i> , 2015, 54, 11423-11440.	1.9	47
19	Polyaniline-coated upconversion nanoparticles with upconverting luminescent and photothermal conversion properties for photothermal cancer therapy. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4327-4338.	3.3	33

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20	REVO <sub>4</sub> -Based Nanomaterials (RE = Y, La, Gd, and Lu) as Hosts for Yb <sup>3+</sup> /Ho <sup>3+</sup> , Yb <sup>3+</sup> /Er <sup>3+</sup> , and Yb <sup>3+</sup> /Tm <sup>3+</sup> Ions: Structural and Upconversion Luminescence Studies. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3300-3308.	1.9	23
21	Designing Upconversion Nanocrystals Capable of 745-nm Sensitization and 803-nm Emission for Deep-Tissue Imaging. <i>Chemistry - A European Journal</i> , 2016, 22, 10801-10807.	1.7	34
22	Enhanced Upconversion Luminescence of Metal-Capped NaGd <sub>0.3</sub> Yb <sub>0.7</sub> F <sub>4</sub> :Er Submicrometer Particles. <i>Small</i> , 2016, 12, 2092-2098.	5.2	18
23	Propeller-Like Nanorod-Upconversion Nanoparticle Assemblies with Intense Chiroptical Activity and Luminescence Enhancement in Aqueous Phase. <i>Advanced Materials</i> , 2016, 28, 5907-5915.	11.1	132
24	Room-Temperature Wavelength-Tunable Single-Band Upconversion Luminescence from Yb <sup>3+</sup> /Mn <sup>2+</sup> Codoped Fluoride Perovskites ABF <sub>3</sub> . <i>Advanced Optical Materials</i> , 2016, 4, 798-806.	3.6	55
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27	Enhanced Multiphoton Upconversion in Single Nanowires by Waveguiding Excitation. <i>Advanced Optical Materials</i> , 2016, 4, 1174-1178.	3.6	16
28	Lichtgesteuerte Kupplungsreaktionen im nahen Infrarot mittels Aufkonvertierungs-Nanopartikeln. <i>Angewandte Chemie</i> , 2016, 128, 12382-12386.	1.6	13
29	Enhanced 808 nm driven Ce <sup>3+</sup> doped red-emitting upconversion nanocrystals by intercalated nanostructures. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4905-4911.	2.7	19
30	A facile one-pot method to synthesize ultrasmall core-shell superparamagnetic and upconversion nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 1-7.	5.0	8
31	UCNPs@gelatin-ZnPc nanocomposite: synthesis, imaging and anticancer properties. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4138-4146.	2.9	15
32	Luminescent Materials for 3D Display Technology. , 2016, , 503-523.		7
33	Preparation of Biocompatible, Luminescent-Plasmonic Core/Shell Nanomaterials Based on Lanthanide and Gold Nanoparticles Exhibiting SERS Effects. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23788-23798.	1.5	53
34	Manipulating pH using near-infrared light assisted by upconverting nanoparticles. <i>Chemical Communications</i> , 2016, 52, 13959-13962.	2.2	32
35	Probing the Interior Crystal Quality in the Development of More Efficient and Smaller Upconversion Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3252-3258.	2.1	42
36	Fundamental View of Electronic Structures of <sup>129</sup> Xe-NaYF <sub>4</sub> , <sup>129</sup> Xe-NaGdF <sub>4</sub> , and <sup>129</sup> Xe-NaLuF <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2016, 120, 18858-18870.	1.5	42
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40	Energy harvesting and conversion mechanisms for intrinsic upconverted mechano-persistent luminescence in CaZnOS. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25946-25974.	1.3	46
41	Near-Infrared Photoinduced Coupling Reactions Assisted by Upconversion Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12195-12199.	7.2	65
42	Theranostic Upconversion Nanobeacons for Tumor mRNA Ratiometric Fluorescence Detection and Imaging-Monitored Drug Delivery. <i>Small</i> , 2016, 12, 5944-5953.	5.2	65
43	Multicolour synthesis in lanthanide-doped nanocrystals through cation exchange in water. <i>Nature Communications</i> , 2016, 7, 13059.	5.8	164
44	Lanthanide Ion Doped Upconverting Nanoparticles: Synthesis, Structure and Properties. <i>Small</i> , 2016, 12, 3888-3907.	5.2	91
45	Tuning the size and upconversion luminescence of NaYbF <sub>4</sub> :Er <sup>3+</sup> /Tm <sup>3+</sup> nanoparticles through Y <sup>3+</sup> or Gd <sup>3+</sup> doping. <i>Optical Materials Express</i> , 2016, 6, 2165.	1.6	36
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47	Localization induced intense red upconversion luminescence in monodispersed K <sub>3</sub> ZrF <sub>7</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanocrystals. <i>Chemical Physics Letters</i> , 2016, 658, 215-219.	1.2	7
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51	Synthesis, multicolour tuning, and emission enhancement of ultrasmall LaF <sub>3</sub> :Yb <sup>3+</sup> /Ln <sup>3+</sup> (Ln = Er, Tm, and Yb) nanoparticles. <i>Journal of Alloys and Compounds</i> , 2016, 658, 914-919.	1.7	29
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53	Mn-complex modified NaDyF <sub>4</sub> :Yb@NaLuF <sub>4</sub> :Yb,Er@polydopamine core-shell nanocomposites for multifunctional imaging-guided photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2697-2705.	2.9	39
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57	Functional nanomaterials for near-infrared-triggered cancer therapy. Biomaterials Science, 2016, 4, 890-909.	2.6	135
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59	Recent advances of semiconducting polymer nanoparticles in in vivo molecular imaging. Journal of Controlled Release, 2016, 240, 312-322.	4.8	182
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85	Real-time In vivo Hepatotoxicity Monitoring through Chromophore-Conjugated Photon-Upconverting Nanoprobes. Angewandte Chemie - International Edition, 2017, 56, 4165-4169.	7.2	178
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91	Finely-tuned NIR-to-visible up-conversion in La <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> microcrystals with high quantum yield. Journal of Materials Chemistry C, 2017, 5, 11010-11017.	2.7	40

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93	Dopamine-mediated photothermal theranostics combined with up-conversion platform under near infrared light. <i>Scientific Reports</i> , 2017, 7, 13562.	1.6	37
94	Yolk-Structured Upconversion Nanoparticles with Biodegradable Silica Shell for FRET Sensing of Drug Release and Imaging-Guided Chemotherapy. <i>Chemistry of Materials</i> , 2017, 29, 7615-7628.	3.2	92
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106	Broadband dye-sensitized upconversion: A promising new platform for future solar upconverter design. <i>Journal of Alloys and Compounds</i> , 2017, 690, 356-359.	2.8	148
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108	Revealing the <i>in situ</i> NaF generation balance for user-friendly controlled synthesis of sub-10Ånm monodisperse low-level Gd <sup>3+</sup> -doped $\beta$ -NaYbF <sub>4</sub> :Er. <i>RSC Advances</i> , 2018, 8, 9611-9617.	1.7	5
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127	Probing Energy Migration through Precise Control of Interfacial Energy Transfer in Nanostructure. Advanced Materials, 2019, 31, e1806308.	11.1	60



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129	Towards Utilising Photocrosslinking of Polydiacetylenes for the Preparation of "Stealth" Upconverting Nanoparticles. <i>Angewandte Chemie</i> , 2018, 130, 16268-16272.	1.6	5
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132	A method for correcting the excitation power density dependence of upconversion emission due to laser-induced heating. <i>Optical Materials</i> , 2018, 82, 65-70.	1.7	23
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