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## Simultaneous phase and size control of upconversion nanocrystals through lanthanide doping

DOI: 10.1038/nature08777  
Nature, 2010, 463, 1061-5.

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**Version:** 2024-04-26

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2291	A general strategy for the synthesis of upconversion rare earth fluoride nanocrystals via a novel OA/ionic liquid two-phase system. <b>2011</b> , 47, 9510-2	41

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2188	Electric-Induced Enhancement and Modulation of Upconversion Photoluminescence in Epitaxial BaTiO <sub>3</sub> :Yb/Er Thin Films. <b>2011</b> , 123, 7008-7012	87
2187	A Simple Reducing Approach Using Amine To Give Dual Functional EuSe Nanocrystals and Morphological Tuning. <b>2011</b> , 123, 7729-7733	7
2186	Triple-Layer (Au@Perylene)@Polyaniline Nanocomposite: Unconventional Growth of Faceted Organic Nanocrystals on Polycrystalline Au. <b>2011</b> , 123, 10072-10076	7
2185	Single-Band Upconversion Emission in Lanthanide-Doped KMnF <sub>3</sub> Nanocrystals. <b>2011</b> , 123, 10553-10556	44
2184	Sodium Doping Controlled Synthesis of Monodisperse Lanthanide Oxysulfide Ultrathin Nanoplates Guided by Density Functional Calculations. <b>2011</b> , 123, 12538-12542	9
2183	Upconverting nanoparticles. <b>2011</b> , 50, 5808-29	1995

2182	Upconverting nanoparticles for nanoscale thermometry. <b>2011</b> , 50, 4546-51	490
2181	Long-term real-time tracking of lanthanide ion doped upconverting nanoparticles in living cells. <b>2011</b> , 50, 6093-7	200
2180	Time-resolved FRET biosensor based on amine-functionalized lanthanide-doped NaYF <sub>4</sub> nanocrystals. <b>2011</b> , 50, 6306-10	283
2179	Electric-induced enhancement and modulation of upconversion photoluminescence in epitaxial BaTiO <sub>3</sub> :Yb/Er thin films. <b>2011</b> , 50, 6876-80	263
2178	A simple reducing approach using amine to give dual functional EuSe nanocrystals and morphological tuning. <b>2011</b> , 50, 7587-91	57
2177	Triple-layer (au@perylene)@polyaniline nanocomposite: unconventional growth of faceted organic nanocrystals on polycrystalline Au. <b>2011</b> , 50, 9898-902	55
2176	Single-band upconversion emission in lanthanide-doped KMnF <sub>3</sub> nanocrystals. <b>2011</b> , 50, 10369-72	389
2175	Sodium doping controlled synthesis of monodisperse lanthanide oxysulfide ultrathin nanoplates guided by density functional calculations. <b>2011</b> , 50, 12330-4	59
2174	Luminescent, colloidal, F-substituted, hydroxyapatite nanocrystals. <b>2011</b> , 17, 6926-30	62
2173	Lanthanide-doped multicolor GdF <sub>3</sub> nanocrystals for time-resolved photoluminescent biodetection. <b>2011</b> , 17, 8549-54	100
2172	Near-infrared light induced in vivo photodynamic therapy of cancer based on upconversion nanoparticles. <b>2011</b> , 32, 6145-54	675
2171	Fluorine-18-labeled Gd <sup>3+</sup> /Yb <sup>3+</sup> /Er <sup>3+</sup> co-doped NaYF <sub>4</sub> nanophosphors for multimodality PET/MR/UCL imaging. <b>2011</b> , 32, 1148-56	366
2170	Monodisperse core-shell structured up-conversion Yb(OH)CO <sub>3</sub> @YbPO <sub>4</sub> /Er <sup>3+</sup> hollow spheres as drug carriers. <b>2011</b> , 32, 4161-73	116
2169	Co-reduction synthesis of new Ln <sub>x</sub> Sb <sub>2-<math>\delta</math></sub> S <sub>3</sub> (Ln: Nd <sup>3+</sup> , Lu <sup>3+</sup> , Ho <sup>3+</sup> ) nanomaterials and investigation of their physical properties. <b>2011</b> , 406, 2801-2806	12
2168	Quasi-one dimensional Er <sup>3+</sup> /Yb <sup>3+</sup> codoped single-crystal MoO <sub>3</sub> ribbons: Synthesis, characterization and up-conversion luminescence. <b>2011</b> , 284, 2528-2531	8
2167	Synthesis and optical properties of water-soluble fluoride nanophosphors co-doped with Eu <sup>3+</sup> and Tb <sup>3+</sup> . <b>2011</b> , 33, 1419-1423	13
2166	The effects of preparation conditions on the structural and up-conversion properties of NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> nano powders. <b>2011</b> , 33, 1111-1115	19
2165	Structural studies and physical properties of novel Sm <sup>3+</sup> -doped Sb <sub>2</sub> Se <sub>3</sub> nanorods. <b>2011</b> , 406, 3831-3835	8

2164	Optical spectroscopy of lanthanides doped in wide band-gap semiconductor nanocrystals. <b>2011</b> , 131, 415-422	54
2163	Dual mode emission and harmonic generation in ZnO/TaO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> : Er <sup>3+</sup> nano-composite. <b>2011</b> , 131, 988-993	9
2162	Solvothermal synthesis, cubic structure and multicolor upconversion emission of ultrasmall monodisperse lanthanide-doped BaYF <sub>5</sub> nanocrystals. <b>2011</b> , 131, 1482-1486	25
2161	Upconversion luminescence and magnetic properties of ligand-free monodisperse lanthanide doped BaGdF <sub>5</sub> nanocrystals. <b>2011</b> , 131, 2544-2549	21
2160	Controllable synthesis and up-conversion properties of tetragonal BaYF <sub>5</sub> :Yb/Ln (Ln=Er, Tm, and Ho) nanocrystals. <b>2011</b> , 362, 389-96	29
2159	Quantum dot-based nanocomposites for biomedical applications. <b>2011</b> , 18, 3516-28	34
2158	A User-Friendly Method for Synthesizing High-Quality NaYF <sub>4</sub> :Yb,Er(Tm) Nanocrystals in Liquid Paraffin. <b>2011</b> , 2011, 1-7	7
2157	Multicolor output and shape controlled synthesis of lanthanide-ion doped fluorides upconversion nanoparticles. <b>2011</b> , 40, 3305-14	61
2156	Efficient fluorescence emission and photon conversion of LaOF:Eu <sup>3+</sup> nanocrystals. <b>2011</b> , 98, 011907	40
2155	Bright up-conversion photoluminescence of Bi <sub>4</sub> Er <sub>x</sub> Ti <sub>3</sub> O <sub>12</sub> ferroelectric thin films. <b>2011</b> , 109, 043106-043106-5	51
2154	Power-dependent upconversion luminescence intensity in NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> nanoparticles. <b>2011</b> , 96, 18001	11
2153	Ce <sup>3+</sup> /Tb <sup>3+</sup> activated GdF <sub>3</sub> , KGdF <sub>4</sub> , and CeF <sub>3</sub> submicro/nanocrystals: Synthesis, phase evolution, and optical properties. <b>2011</b> , 26, 2916-2923	5
2152	Preparation and Characterization of Rare Earth Ions Doped Fluoride Core-Shell up-Conversion Luminescence Nanomaterials. <b>2012</b> , 512-515, 1972-1975	1
2151	Facile Synthesis of Monodisperse, Size-Controlled Hexagonal-Phase NaYF <sub>4</sub> Up-Conversion Luminescent Nanorods. <b>2012</b> , 138, 123-127	1
2150	Photosensitized controlling benzyl methacrylate-based matrix enhanced Eu(3+) narrow-band emission for fluorescence applications. <b>2012</b> , 13, 3718-37	4
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2148	Structural Studies and Optical and Electrical Properties of Novel -Doped Nanorods. <b>2012</b> , 2012, 1-7	6
2147	Lanthanide-doped inorganic nanocrystals as luminescent biolabels. <b>2012</b> , 15, 580-94	23

2146	Temporal dynamics of IR-to-visible up-conversion in $\text{LiNbO}_3:\text{Er}^{3+}/\text{Yb}^{3+}$ : a path to phosphors with tunable chromaticity. <b>2012</b> , 2, 1529	13
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2143	Upconversion luminescence, ferroelectrics and piezoelectrics of Er Doped $\text{SrBi}_4\text{Ti}_4\text{O}_{15}$ . <b>2012</b> , 2, 042187	33
2142	Lanthanide upconversion nanocrystals within microstructured optical fibres; a sensitive platform for biosensing and a new tool for nanocrystal characterisation. <b>2012</b> ,	1
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2138	Lanthanide-doped up-converting nanoparticles: Merits and challenges. <b>2012</b> , 7, 532-563	311
2137	Lanthanide-doped ultrasmall yttrium fluoride nanoparticles with enhanced multicolor upconversion photoluminescence. <b>2012</b> , 22, 20190	116
2136	Review on up/down conversion materials for solar cell application. <b>2012</b> ,	9
2135	Dual mode green fluorescence from $\text{Tb}^{3+}:\text{Ca}_{12}\text{Al}_{14}\text{O}_{33}$ and its applicability as delayed fluorescence. <b>2012</b> , 47, 3726-3731	12
2134	Engineering light: advances in wavelength conversion materials for energy and environmental technologies. <b>2012</b> , 46, 12316-28	66
2133	An unconventional role of ligand in continuously tuning of metal-metal interfacial strain. <b>2012</b> , 134, 2004-7	158
2132	High resolution fluorescence imaging of cancers using lanthanide ion-doped upconverting nanocrystals. <b>2012</b> , 4, 1067-105	46
2131	Passivation of lanthanide surface sites in sub-10 nm $\text{NaYF}_4:\text{Eu}^{3+}$ nanocrystals. <b>2012</b> , 14, 1228	31
2130	Blue-emissive upconversion nanoparticles for low-power-excited bioimaging in vivo. <b>2012</b> , 134, 5390-7	346
2129	Multiform $\text{La}_2\text{O}_3:\text{Yb}^{3+}/\text{Er}^{3+}/\text{Tm}^{3+}$ submicro-/microcrystals derived by hydrothermal process: Morphology control and tunable upconversion luminescence properties. <b>2012</b> , 14, 2100	34

2128	Upconversion nanophosphors for small-animal imaging. <b>2012</b> , 41, 1323-49	1352
2127	Absolute quantum yields in NaYF <sub>4</sub> :Er,Yb upconverters [Synthesis temperature and power dependence. <b>2012</b> , 22, 24330	28
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2120	First-principles study of doping effect on the phase transition of zinc oxide with transition metal doped. <b>2012</b> , 541, 250-255	23
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2117	Dendritic upconverting nanoparticles enable in vivo multiphoton microscopy with low-power continuous wave sources. <b>2012</b> , 109, 20826-31	85
2116	Controlled synthesis and single-particle imaging of bright, sub-10 nm lanthanide-doped upconverting nanocrystals. <b>2012</b> , 6, 2686-92	262
2115	Lanthanide upconversion within microstructured optical fibers: improved detection limits for sensing and the demonstration of a new tool for nanocrystal characterization. <b>2012</b> , 4, 7448-51	14
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2110	Facile in situ fabrication of graphene-upconversion hybrid materials with amplified electrogenerated chemiluminescence. <b>2012</b> , 4, 400-4	33
2109	Controllable fabrication and broadband near-infrared luminescence of various Ni <sup>2+</sup> -activated ZnAl <sub>2</sub> O <sub>4</sub> nanostructures by a single-nozzle electrospinning technique. <b>2012</b> , 14, 13594-600	16
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2104	DNA-directed assembly of asymmetric nanoclusters using Janus nanoparticles. <b>2012</b> , 6, 802-9	84
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2102	Rapid microwave-enhanced hydrothermal synthesis and shape evolution of uniform NaGdF <sub>4</sub> :Yb, Er (Tm/Ho) nanocrystals with upconversion and paramagnetic properties. <b>2012</b> , 23, 225705	30
2101	Plasmon-enhanced upconversion fluorescence in NaYF <sub>4</sub> :Yb/Er/Gd nanorods coated with Au nanoparticles or nanoshells. <b>2012</b> , 111, 014310	40
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2099	Coordination chemistry and antisolvent strategy to rare-earth solid solution colloidal spheres. <b>2012</b> , 134, 19084-91	35
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2093	Photonics: Upconversion goes broadband. <b>2012</b> , 11, 842-3	154

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2086	Influence of nanocrystals size on the structural and luminescent properties of GdOF:Eu <sup>3+</sup> . <b>2012</b> , 539, 82-89	33
2085	Syntheses and optical properties of monodisperse BaLnF <sub>5</sub> (Ln = La, Lu, Y) nanocrystals. <b>2012</b> , 540, 27-31	18
2084	Radiopaque fluorescence-transparent TaOx decorated upconversion nanophosphors for in vivo CT/MR/UCL trimodal imaging. <b>2012</b> , 33, 7530-9	101
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2076	Synthesis and Characterization of Ultrathin Tin-Doped Zinc Oxide Nanowires. <b>2012</b> , 2012, 4268-4272	8
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2071	Preparation and morphology-sensitive luminescence properties of Eu <sup>3+</sup> -doped YVO <sub>4</sub> : a defect chemistry viewpoint of study. <b>2012</b> , 14, 3227	36
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2066	Selective reduction of visible upconversion emissions induced by Bi <sup>3+</sup> in Tm <sup>3+</sup> /Yb <sup>3+</sup> -doped Y <sub>0.89</sub> BixVO <sub>4</sub> microcrystals. <b>2012</b> , 2, 6926	21
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2061	Quasi-seeded growth, phase transformation, and size tuning of multifunctional hexagonal NaLnF <sub>4</sub> (Ln = Y, Gd, Yb) nanocrystals via in situ cation-exchange reaction. <b>2012</b> , 22, 2254-2262	18
2060	Lanthanide dopant-induced formation of uniform sub-10 nm active-core/active-shell nanocrystals with near-infrared to near-infrared dual-modal luminescence. <b>2012</b> , 22, 2632-2640	81
2059	Multicolor light emitters based on energy exchange between Tb and Eu ions co-doped into ultrasmall NaYF <sub>4</sub> nanocrystals. <b>2012</b> , 22, 5356	34
2058	Bi-functional NaLuF <sub>4</sub> :Gd <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> nanocrystals: structure controlled synthesis, near-infrared upconversion emission and tunable magnetic properties. <b>2012</b> , 22, 9870	141
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2056	Shape-controlled tunable homochromatic luminescence and inner photoelectric effect of hexagonal Na <sub>1.23</sub> Ca <sub>0.12</sub> Y <sub>1.28</sub> Er <sub>0.24</sub> F <sub>6</sub> phosphors. <b>2012</b> , 14, 7137-44	13
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2052	Advances in functional fluorescent and luminescent probes for imaging intracellular small-molecule reactive species. <b>2012</b> , 39, 3-37	74
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2050	Controllable synthesis, upconversion luminescence, and paramagnetic properties of NaGdF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> microrods. <b>2012</b> , 144, 157-164	16
2049	Controlled growth along circumferential edge and upconverting luminescence of NaYF <sub>4</sub> :20%Yb <sup>3+</sup> , 1%Er <sup>3+</sup> microcrystals. <b>2012</b> , 137, 97-102	11
2048	Polymorph (C <sub>2</sub> N <sub>2</sub> H <sub>10</sub> ) <sub>0.5</sub> RE <sub>3</sub> F <sub>10</sub> ·xH <sub>2</sub> O (RE=Ho-Lu, Y) and RE <sub>3</sub> nanocrystals: Hydrothermal synthesis, characterization and luminescence. <b>2012</b> , 47, 3301-3307	7
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2042	Morphology and phase control of fluorides nanocrystals activated by lanthanides with two-model luminescence properties. <b>2012</b> , 4, 4658-66	25
2041	Security printing of covert quick response codes using upconverting nanoparticle inks. <b>2012</b> , 23, 395201	177
2040	La(OH) <sub>3</sub> :Ln <sup>3+</sup> and La <sub>2</sub> O <sub>3</sub> :Ln <sup>3+</sup> (Ln = Yb/Er, Yb/Tm, Yb/Ho) Microrods: Synthesis and Up-conversion Luminescence Properties. <b>2012</b> , 12, 306-312	54
2039	2.7 $\mu$ m Emission from Transparent Er <sup>3+</sup> ,Tm <sup>3+</sup> Codoped Yttrium Aluminum Garnet (Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ) Nanocrystals in Tellurite Glass Composites by Novel Comelting Technology. <b>2012</b> , 116, 19941-19950	61

2038	Hollow manganese phosphate nanoparticles as smart multifunctional probes for cancer cell targeted magnetic resonance imaging and drug delivery. <b>2012</b> , 5, 679-694	46
2037	Upconversion nanoparticles dramatically promote plant growth without toxicity. <b>2012</b> , 5, 770-782	57
2036	Combinatorial discovery of lanthanide-doped nanocrystals with spectrally pure upconverted emission. <b>2012</b> , 12, 3839-45	227
2035	Structures and Polymorph-Sensitive Luminescence Properties of BiPO <sub>4</sub> /Eu Grown in Hydrothermal Conditions. <b>2012</b> , 12, 3983-3991	59
2034	First-principles study of the local structure and crystal field of Yb 2+ in sodium and potassium halides. <b>2012</b> , 21, 037102	1
2033	Enhanced upconversion emission in Yb <sup>3+</sup> and Er <sup>3+</sup> codoped NaGdF <sub>4</sub> nanocrystals by introducing Li <sup>+</sup> ions. <b>2012</b> , 4, 779-84	241
2032	Folic acid-conjugated LaF <sub>3</sub> :Yb,Tm@SiO <sub>2</sub> nanoprobe for targeting dual-modality imaging of upconversion luminescence and X-ray computed tomography. <b>2012</b> , 116, 14062-70	91
2031	pH- and dopant-dependent CdMoO <sub>4</sub> :Mn nanocrystals: luminescence and magnetic properties. <b>2012</b> , 51, 9232-9	25
2030	Multifunctionality of GdPO <sub>4</sub> :Yb <sup>3+</sup> ,Tb <sup>3+</sup> nanocrystals luminescence and magnetic behaviour. <b>2012</b> , 22, 22989	71
2029	Novel heterometal-organic complexes as first single source precursors for up-converting NaY(Ln)F <sub>4</sub> (Ln = Yb, Er, Tm) nanomaterials. <b>2012</b> , 41, 1490-502	49
2028	Non-photobleaching YAG:Ce nanoparticles for optical imaging with blue excitation. <b>2012</b> , 2, 3897	23
2027	Optical properties of host material for phosphor computational modeling. <b>2012</b> , 112, 3889-3895	10
2026	A strategy for simultaneously realizing the cubic-to-hexagonal phase transition and controlling the small size of NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> nanocrystals for in vitro cell imaging. <b>2012</b> , 8, 1863-8	81
2025	Fluorescence in nanobiotechnology: sophisticated fluorophores for novel applications. <b>2012</b> , 8, 2297-326	161
2024	NIR-triggered release of caged nitric oxide using upconverting nanostructured materials. <b>2012</b> , 8, 3800-5	154
2023	Synthesis and optical properties of chromium-doped spinel hollow nanofibers by single-nozzle electrospinning. <b>2012</b> , 2, 2773	36
2022	One-pot synthesis of water-soluble and carboxyl-functionalized NaYF <sub>4</sub> :Yb,Er(Tm) upconversion nanocrystals and their application for bioimaging. <b>2012</b> , 22, 12186	35
2021	Polymeric optodes based on upconverting nanorods for fluorescent measurements of pH and metal ions in blood samples. <b>2012</b> , 84, 1969-74	68

2020	Advanced Immobilization and Amplification for High Performance Protein Chips. <b>2012</b> , 45, 130-155	21
2019	Direct imaging the upconversion nanocrystal core/shell structure at the subnanometer level: shell thickness dependence in upconverting optical properties. <b>2012</b> , 12, 2852-8	265
2018	Manganese-Doped Ag <sub>2</sub> S-ZnS Heteronanostructures. <b>2012</b> , 24, 2407-2413	76
2017	Iridium-Complex-Modified Upconversion Nanophosphors for Effective LRET Detection of Cyanide Anions in Pure Water. <b>2012</b> , 22, 2667-2672	152
2016	A High-Performance Ytterbium-Based Nanoparticulate Contrast Agent for In Vivo X-Ray Computed Tomography Imaging. <b>2012</b> , 124, 1466-1471	17
2015	Conversion of Sb <sub>2</sub> Te <sub>3</sub> Hexagonal Nanoplates into Three-Dimensional Porous Single-Crystal-Like Network-Structured Te Plates Using Oxygen and Tartaric Acid. <b>2012</b> , 124, 1488-1492	4
2014	In Vitro and In Vivo Uncaging and Bioluminescence Imaging by Using Photocaged Upconversion Nanoparticles. <b>2012</b> , 124, 3179-3183	70
2013	Biomimetic Surface Engineering of Lanthanide-Doped Upconversion Nanoparticles as Versatile Bioprobes. <b>2012</b> , 124, 6225-6229	51
2012	Elektronenspinresonanz-Untersuchungen zum Wachstumsmechanismus von NaYF <sub>4</sub> :Gd-Nanokristallen. <b>2012</b> , 124, 6612-6616	4
2011	In vitro and in vivo uncaging and bioluminescence imaging by using photocaged upconversion nanoparticles. <b>2012</b> , 51, 3125-9	398
2010	Biomimetic surface engineering of lanthanide-doped upconversion nanoparticles as versatile bioprobes. <b>2012</b> , 51, 6121-5	220
2009	An electron paramagnetic resonance spectroscopic investigation on the growth mechanism of NaYF <sub>4</sub> :Gd nanocrystals. <b>2012</b> , 51, 6506-10	46
2008	Discovery of the DNA "genetic code" for abiological gold nanoparticle morphologies. <b>2012</b> , 51, 9078-82	111
2007	Phase- and size-controllable synthesis of hexagonal upconversion rare-earth fluoride nanocrystals through an oleic acid/ionic liquid two-phase system. <b>2012</b> , 18, 5954-69	37
2006	Rare-Earth nanoparticles with enhanced upconversion emission and suppressed rare-Earth-ion leakage. <b>2012</b> , 18, 5558-64	179
2005	A uniform sub-50 nm-sized magnetic/upconversion fluorescent bimodal imaging agent capable of generating singlet oxygen by using a 980 nm laser. <b>2012</b> , 18, 7082-90	132
2004	Enhanced red emission from GdF <sub>3</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> upconversion nanocrystals by Li <sup>+</sup> doping and their application for bioimaging. <b>2012</b> , 18, 9239-45	148
2003	Lanthanide-doped Na <sub>x</sub> ScF <sub>(3+x)</sub> nanocrystals: crystal structure evolution and multicolor tuning. <b>2012</b> , 134, 8340-3	286

2002	Imparting functionality to a metal-organic framework material by controlled nanoparticle encapsulation. <b>2012</b> , 4, 310-6	1549
2001	A novel technique for simultaneous diagnosis and radioprotection by radioactive cerium oxide nanoparticles: study of cyclotron production of $^{137}\text{mCe}$ . <b>2012</b> , 292, 53-59	24
2000	Color tuning by co-doping of Er doped $\text{TiO}_2$ phosphors within a fixed Er concentration. <b>2012</b> , 62, 419-423	3
1999	Synthesis of $\text{NaYF}_4:\text{Yb}/\text{Er}/\text{Gd}$ up-conversion luminescent nanoparticles and luminescence resonance energy transfer-based protein detection. <b>2012</b> , 421, 673-9	61
1998	Lanthanide doping-facilitated growth of ultrasmall monodisperse $\text{Ba}_2\text{LaF}_7$ nanocrystals with excellent photoluminescence. <b>2012</b> , 368, 49-55	32
1997	Controlled synthesis of $\text{NaYF}_4$ nanoparticles and upconversion properties of $\text{NaYF}_4:\text{Yb}$ , Er (Tm)/FC transparent nanocomposite thin films. <b>2012</b> , 376, 34-9	25
1996	Multifunctional nanoprobes for upconversion fluorescence, MR and CT trimodal imaging. <b>2012</b> , 33, 1079-89	355
1995	Cubic sub-20 nm $\text{NaLuF}_4$ -based upconversion nanophosphors for high-contrast bioimaging in different animal species. <b>2012</b> , 33, 3733-42	187
1994	Core-shell $\text{Fe}_3\text{O}_4@\text{NaLuF}_4:\text{Yb},\text{Er}/\text{Tm}$ nanostructure for MRI, CT and upconversion luminescence tri-modality imaging. <b>2012</b> , 33, 4618-27	247
1993	Towards whole-body imaging at the single cell level using ultra-sensitive stem cell labeling with oligo-arginine modified upconversion nanoparticles. <b>2012</b> , 33, 4872-81	121
1992	A $\text{NaYbF}_4:\text{Tm}^{3+}$ nanoprobes for CT and NIR-to-NIR fluorescent bimodal imaging. <b>2012</b> , 33, 5384-93	151
1991	$\text{Gd}^{3+}$ complex-modified $\text{NaLuF}_4$ -based upconversion nanophosphors for trimodality imaging of NIR-to-NIR upconversion luminescence, X-Ray computed tomography and magnetic resonance. <b>2012</b> , 33, 5394-405	232
1990	Water-stable $\text{NaLuF}_4$ -based upconversion nanophosphors with long-term validity for multimodal lymphatic imaging. <b>2012</b> , 33, 6201-10	136
1989	Synthesis, phase composition modification, and optical properties of $\text{Ce}^{3+}/\text{Tb}^{3+}$ activated $\text{KGdF}_4$ and $\text{GdF}_3$ submicrocrystals. <b>2012</b> , 187, 45-50	2
1988	Effect of $\text{Er}^{3+}$ concentration on the upconversion luminescence of $\text{GdOCl}:\text{Er}^{3+}$ powders with excitation of 514.5nm. <b>2012</b> , 80, 184-186	15
1987	Superparamagnetic and upconversion luminescent properties of $\text{Fe}_3\text{O}_4/\text{NaYF}_4:\text{Yb}$ , Er hetero-submicro-rods. <b>2012</b> , 85, 1-3	14
1986	Synthesis and characterization of new $\text{Ln}_x\text{Sb}_2\text{Se}_3$ (Ln: $\text{Yb}^{3+}$ , $\text{Er}^{3+}$ ) nanoflowers and their physical properties. <b>2012</b> , 407, 38-43	6
1985	Synthesis and upconversion luminescence properties study of $\text{NaYbF}_4:\text{Tm}^{3+}$ crystals with different dopant concentration. <b>2012</b> , 140, 70-75	13

1984	Selective enhancement of green upconversion emissions of Er <sup>3+</sup> :Yb <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> nanocrystals by high excited state energy transfer with Yb <sup>3+</sup> /Mn <sup>2+</sup> dimer sensitizing. <b>2012</b> , 132, 1646-1648	44
1983	Upconversion enhancement in Yb <sup>3+</sup> ,Tm <sup>3+</sup> :BaY <sub>2</sub> F <sub>8</sub> quasi-nanoparticles. <b>2012</b> , 132, 2268-2274	5
1982	Study on the luminescence behavior of lanthanide ions using luminol as probe. <b>2012</b> , 132, 2462-2467	7
1981	Photomodulation of fluorescent upconverting nanoparticle markers in live organisms by using molecular switches. <b>2012</b> , 18, 3122-6	61
1980	Controlled synthesis of bulk polymer nanocomposites with tunable second order nonlinear optical properties. <b>2012</b> , 24, 2249-53	25
1979	Mn <sup>2+</sup> dopant-controlled synthesis of NaYF <sub>4</sub> :Yb/Er upconversion nanoparticles for in vivo imaging and drug delivery. <b>2012</b> , 24, 1226-31	690
1978	Temperature sensing and in vivo imaging by molybdenum sensitized visible upconversion luminescence of rare-earth oxides. <b>2012</b> , 24, 1987-93	626
1977	A high-performance ytterbium-based nanoparticulate contrast agent for in vivo X-ray computed tomography imaging. <b>2012</b> , 51, 1437-42	288
1976	Conversion of Sb <sub>2</sub> Te <sub>3</sub> hexagonal nanoplates into three-dimensional porous single-crystal-like network-structured Te plates using oxygen and tartaric acid. <b>2012</b> , 51, 1459-63	39
1975	Multifunctional magnetic-fluorescent eccentric-(concentric-Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @polyacrylic acid core-shell nanocomposites for cell imaging and pH-responsive drug delivery. <b>2013</b> , 5, 2249-53	54
1974	The effects of down- and up-conversion on dual-mode green luminescence from Yb <sup>3+</sup> - and Tb <sup>3+</sup> -doped LaPO <sub>4</sub> nanocrystals. <b>2013</b> , 1, 5410	48
1973	Enhancement of blue upconversion luminescence in hexagonal NaYF <sub>4</sub> :Yb,Tm by using K and Sc ions. <b>2013</b> , 15, 1	23
1972	Efficient sensitization of Ln <sup>3+</sup> -doped NaYF <sub>4</sub> nanocrystals with organic ligands. <b>2013</b> , 15, 1	7
1971	Barium rare earth fluoride nanocrystals: high temperature solution synthesis, characterization and luminescence. <b>2013</b> , 15, 1	4
1970	Novel Upconversion Behavior in Ho <sup>3+</sup> -Doped Transparent Oxyfluoride Glass-Ceramics Containing NaYbF <sub>4</sub> Nanocrystals. <b>2013</b> , 96, 2073-2076	28
1969	Iron oxide-induced thermal effects on solid-state upconversion emissions in NaYF <sub>4</sub> :Yb,Er nanocrystals. <b>2013</b> , 5, 7875-80	33
1968	Recent advances in design and fabrication of upconversion nanoparticles and their safe theranostic applications. <b>2013</b> , 25, 3758-79	400
1967	Nd(3+)-sensitized upconversion nanophosphors: efficient in vivo bioimaging probes with minimized heating effect. <b>2013</b> , 7, 7200-6	688

1966	Magnetic properties of CoO nanocrystals prepared with a controlled reaction atmosphere. <b>2013</b> , 3, 9228	8
1965	Orthorhombic KSc <sub>2</sub> F <sub>7</sub> :Yb/Er nanorods: controlled synthesis and strong red upconversion emission. <b>2013</b> , 5, 11928-32	67
1964	DNA Nanotechnology. <b>2013</b> ,	4
1963	Optimizing infrared to near infrared upconversion quantum yield of $\text{NaYF}_4:\text{Er}^{3+}$ in fluoropolymer matrix for photovoltaic devices. <b>2013</b> , 114, 013505	75
1962	pH- and surfactant-mediated tunable morphology and upconversion of rare-earth doped fluoride microcrystals. <b>2013</b> , 3, 14757	24
1961	Upconversion nanoparticles for photodynamic therapy and other cancer therapeutics. <b>2013</b> , 3, 317-30	307
1960	Multiwalled carbon nanotubes and NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanoparticle-doped bilayer hydrogel for concurrent NIR-triggered drug release and up-conversion luminescence tagging. <b>2013</b> , 29, 9573-80	61
1959	Metal-ion doped luminescent thin films for optoelectronic applications. <b>2013</b> , 1, 5607	97
1958	A Bi <sub>2</sub> WO <sub>6</sub> -based hybrid photocatalyst with broad spectrum photocatalytic properties under UV, visible, and near-infrared irradiation. <b>2013</b> , 25, 5075-80	467
1957	Multifunctional superparamagnetic iron oxide nanoparticles: design, synthesis and biomedical photonic applications. <b>2013</b> , 5, 7664-84	164
1956	Rare earth fluorides upconversion nanophosphors: from synthesis to applications in bioimaging. <b>2013</b> , 15, 7142	47
1955	Nanoparticles for Improving Cancer Diagnosis. <b>2013</b> , 74, 35-69	81
1954	Investigation of near-infrared-to-ultraviolet upconversion luminescence of Tm <sup>3+</sup> doped NaYF <sub>4</sub> phosphors by Yb <sup>3+</sup> codoping. <b>2013</b> , 142, 333-338	26
1953	Multicolor and bright white upconversion luminescence from rice-shaped lanthanide doped BiPO <sub>4</sub> submicron particles. <b>2013</b> , 42, 12101-8	43
1952	Magnetic/upconversion fluorescent NaGdF <sub>4</sub> :Yb,Er nanoparticle-based dual-modal molecular probes for imaging tiny tumors in vivo. <b>2013</b> , 7, 7227-40	302
1951	Preparation and luminescence properties of glass/ceramics containing Sm <sup>3+</sup> -doped hexagonal NaGdF <sub>4</sub> crystals. <b>2013</b> , 48, 6262-6268	26
1950	Solvothermal synthesis and upconversion emission of monodisperse ultrasmall SrYbF <sub>5</sub> nanocrystals. <b>2013</b> , 48, 3672-3678	6
1949	Possible gadolinium ions leaching and MR sensitivity over-estimation in mesoporous silica-coated upconversion nanocrystals. <b>2013</b> , 5, 8146-55	17

1948	Highly bright multicolor tunable ultrasmall $\text{Na(Y,Gd)F}_4\text{Ce,Tb,Eu/NaYF}_4$ core/shell nanocrystals. <b>2013</b> , 5, 9255-63	63
1947	Electrospun upconversion composite fibers as dual drugs delivery system with individual release properties. <b>2013</b> , 29, 9473-82	72
1946	Multifunctional role of rare earth doping in optical materials: nonaqueous sol-gel synthesis of stabilized cubic $\text{HfO}_2$ luminescent nanoparticles. <b>2013</b> , 7, 7041-52	65
1945	Deep tissue optical imaging of upconverting nanoparticles enabled by exploiting higher intrinsic quantum yield through use of millisecond single pulse excitation with high peak power. <b>2013</b> , 5, 10034-40	51
1944	Shape control of colloidal Mn doped ZnO nanocrystals and their visible light photocatalytic properties. <b>2013</b> , 5, 10461-71	70
1943	Upconversion luminescence properties of $\text{Mn}^{2+}$ -doped $\text{NaYF}_4\text{:Yb/Er}$ nanoparticles. <b>2013</b> , 18, 207-212	5
1942	Separation and phase transition investigation of $\text{Yb}^{3+}/\text{Er}^{3+}$ co-doped $\text{NaYF}_4$ nanoparticles. <b>2013</b> , 42, 13315-8	8
1941	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. <b>2013</b> , 8, 729-34	483
1940	Phase transformation and intense 2.7 $\mu\text{m}$ emission from $\text{Er}^{3+}$ doped $\text{YF}_3/\text{YOF}$ submicron-crystals. <b>2013</b> , 3, 1598	59
1939	Green synthesis of carbon dots with down- and up-conversion fluorescent properties for sensitive detection of hypochlorite with a dual-readout assay. <b>2013</b> , 138, 6551-7	201
1938	Controlled growth, intense upconversion emissions and concentration induced luminescence switching of bifunctional $\text{Tm}^{3+}$ doped hexagonal $\text{NaYb}_{0.55}\text{Gd}_{0.45}\text{F}_4$ nanorods. <b>2013</b> , 115, 511-5	2
1937	Mechanistic investigation of photon upconversion in $\text{Nd}^{3+}$ -sensitized core-shell nanoparticles. <b>2013</b> , 135, 12608-11	591
1936	DFT Calculation of Russell-Saunders Splitting for Lanthanide Ions Doped in Hexagonal $\text{NaYF}_4$ Nanocrystals. <b>2013</b> , 117, 17177-17185	28
1935	Structural evolution and enhancement of luminescence in the Eu-doped oxyfluoride glass ceramics containing $\text{NaGdF}_4$ nanocrystals. <b>2013</b> , 15, 7346	29
1934	The synthesis, crystal structure and multicolour up-conversion fluorescence of $\text{Yb}^{3+}/\text{Ln}^{3+}$ ( $\text{Ln} = \text{Ho}, \text{Er}, \text{Tm}$ ) codoped orthorhombic lutetium oxyfluorides. <b>2013</b> , 1, 5711	27
1933	Controllable synthesis of $\text{NaYF}_4\text{:Yb,Er}$ nanorods by potassium oleate as ligand. <b>2013</b> , 291, 2533-2540	6
1932	NIR photoresponsive crosslinked upconverting nanocarriers toward selective intracellular drug release. <b>2013</b> , 9, 2937-44	154
1931	Efficiency enhancement in P3HT-based polymer solar cells with a $\text{NaYF}_4\text{:2\% Er}^{3+}, 18\% \text{Yb}^{3+}$ up-converter. <b>2013</b> , 1, 5872	16

1930	A novel synthesis method and up-conversion properties of hexagonal-phase NaYF <sub>4</sub> :Er nano-crystals. <b>2013</b> , 31, 267-270	4
1929	Synthesis of Nanoscale Nd-Doped Ceria Via Urea-Formaldehyde Combustion Method. <b>2013</b> , 44, 5251-5258	3
1928	Multicolor tunability and upconversion enhancement of fluoride nanoparticles by oxygen dopant. <b>2013</b> , 5, 8164-71	19
1927	Ricinoleic Acid-Capped Upconverting Nanocrystals: An Ideal Capping Ligand to Render Nanocrystals Water Dispersible. <b>2013</b> , 78, 1338-1342	9
1926	Lu <sup>3+</sup> /Yb <sup>3+</sup> and Lu <sup>3+</sup> /Er <sup>3+</sup> co-doped antimony selenide nanomaterials: synthesis, characterization, and electrical, thermoelectrical, and optical properties. <b>2013</b> , 8, 141	6
1925	Morphology and upconversion luminescence of NaYbF <sub>4</sub> :Tm <sup>3+</sup> nanocrystals modified by Gd <sup>3+</sup> ions. <b>2013</b> , 562, 99-105	19
1924	Preparation and upconversion luminescence of monodisperse Gd <sub>2</sub> O <sub>3</sub> :Ho <sup>3+</sup> ,Yb <sup>3+</sup> nanocrystals. <b>2013</b> , 31, 650-654	6
1923	The first lanthanide organophosphonate nanosheet by exfoliation of layered compounds. <b>2013</b> , 49, 552-4	60
1922	Mixed lanthanide oxide nanoparticles as dual imaging agent in biomedicine. <b>2013</b> , 3, 3210	46
1921	Multi-phonon assisted upconversion emission and power dependence studies in LaF <sub>3</sub> :Er <sup>3+</sup> phosphor. <b>2013</b> , 106, 236-41	17
1920	Upconversion properties in hexagonal-phase NaYF <sub>4</sub> :Er <sup>3+</sup> /NaYF <sub>4</sub> nanocrystals by off-resonant excitation. <b>2013</b> , 273, 257-260	13
1919	Upconversion nanoparticle based LRET system for sensitive detection of MRSA DNA sequence. <b>2013</b> , 43, 252-6	62
1918	Remarkable enhancement of upconversion fluorescence and confocal imaging of PMMA Opal/NaYF <sub>4</sub> :Yb(3+), Tm(3+)/Er(3+) nanocrystals. <b>2013</b> , 49, 3781-3	76
1917	DNA computing: Molecules reach consensus. <b>2013</b> , 8, 703-5	12
1916	Synthesis of ligand-functionalized water-soluble [ <sup>18</sup> F]YF <sub>3</sub> nanoparticles for PET imaging. <b>2013</b> , 5, 3253-6	22
1915	Nanocrystals: Shining a light on upconversion. <b>2013</b> , 8, 702-3	34
1914	Water (H <sub>2</sub> O and D <sub>2</sub> O) Dispersible NIR-to-NIR Upconverting Yb <sup>3+</sup> /Tm <sup>3+</sup> -Doped MF <sub>2</sub> (M = Ca, Sr) Colloids: Influence of the Host Crystal. <b>2013</b> , 13, 4906-4913	85
1913	NaYF <sub>4</sub> nanocrystals with TOPO ligands: synthesis-dependent structural and luminescent properties. <b>2013</b> , 15, 19232-41	22

1912	Frequency upconversion in Er <sup>3+</sup> doped Y <sub>2</sub> O <sub>3</sub> nanophosphor: Yb <sup>3+</sup> sensitization and tailoring effect of Li <sup>+</sup> ion. <b>2013</b> , 48, 4307-4313	37
1911	Surface ligand-mediated phase and upconversion luminescence tuning of multifunctional NaGdF <sub>4</sub> :Yb/Er materials with paramagnetic and cathodoluminescent characteristics. <b>2013</b> , 35, 2691-2697	13
1910	Is there lattice contraction in multicomponent metal oxides? Case study for GdVO <sub>4</sub> :Eu <sup>3+</sup> nanoparticles. <b>2013</b> , 24, 305701	8
1909	Energy transfer and upconversion emission of Tm <sup>3+</sup> /Tb <sup>3+</sup> /Yb <sup>3+</sup> co-doped transparent glass-ceramics containing Ba <sub>2</sub> LaF <sub>7</sub> nanocrystals. <b>2013</b> , 378, 181-185	19
1908	Luminescence properties and energy transfer of Gd <sup>3+</sup> , Mn <sup>2+</sup> co-doped cubic NaYF <sub>4</sub> nanocrystals. <b>2013</b> , 144, 57-63	11
1907	Investigation of upconversion and downconversion fluorescence emissions from $\beta$ -NaLn <sub>1</sub> F <sub>4</sub> :Yb <sup>3+</sup> , Ln <sub>2</sub> <sup>3+</sup> (Ln <sub>1</sub> =Y, Lu; Ln <sub>2</sub> =Er, Ho, Tm, Eu) hexagonal disk system. <b>2013</b> , 48, 3505-3512	26
1906	A new near infrared photosensitizing nanoplatfrom containing blue-emitting up-conversion nanoparticles and hypocrellin A for photodynamic therapy of cancer cells. <b>2013</b> , 5, 11910-8	74
1905	Targeted bioimaging and photodynamic therapy nanoplatfrom using an aptamer-guided G-quadruplex DNA carrier and near-infrared light. <b>2013</b> , 52, 13965-9	159
1904	Synthesis and tuning orange to green up-conversion color in Y <sub>6</sub> WO <sub>12</sub> :Er/Yb phosphor. <b>2013</b> , 36, 278-282	8
1903	Influence of SiO <sub>2</sub> layer thickness on plasmon enhanced upconversion in hybrid Ag/SiO <sub>2</sub> /NaYF <sub>4</sub> :Yb, Er, Gd structures. <b>2013</b> , 270, 712-717	28
1902	In vivo multimodality imaging and cancer therapy by near-infrared light-triggered trans-platinum pro-drug-conjugated upconversion nanoparticles. <b>2013</b> , 135, 18920-9	466
1901	Core-shell lanthanide upconversion nanophosphors as four-modal probes for tumor angiogenesis imaging. <b>2013</b> , 7, 11290-300	224
1900	Hydrothermal synthesis and tunable luminescence of persimmon-like sodium lanthanum tungstate:Tb <sup>3+</sup> , Eu <sup>3+</sup> hierarchical microarchitectures. <b>2013</b> , 393, 44-52	34
1899	Intense white light emission in Tm <sup>3+</sup> /Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped Y <sub>2</sub> O <sub>3</sub> /ZnO nano-composite. <b>2013</b> , 46, 275101	43
1898	High quality multi-functional NaErF <sub>4</sub> nanocrystals: structure-controlled synthesis, phase-induced multi-color emissions and tunable magnetic properties. <b>2013</b> , 1, 5520	35
1897	Access to a novel near-infrared photodynamic therapy through the combined use of 5-aminolevulinic acid and lanthanide nanoparticles. <b>2013</b> , 10, 607-14	17
1896	Hydrothermal synthesis and luminescence properties of YF <sub>3</sub> :Ln (Ln=Sm, Dy, Tb and Pr) nano-/microcrystals. <b>2013</b> , 39, 4089-4098	11
1895	Influence of core size on the upconversion luminescence properties of spherical Gd <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> @SiO <sub>2</sub> particles with core-shell structures. <b>2013</b> , 114, 183109	12

1894	Enhancement of 153 nm emission band in NaYF <sub>4</sub> :Er <sup>3+</sup> ,Yb <sup>3+</sup> ,Ce <sup>3+</sup> nanocrystals for polymer-based optical waveguide amplifiers. <b>2013</b> , 3, 270	39
1893	Multilayer dual-polymer-coated upconversion nanoparticles for multimodal imaging and serum-enhanced gene delivery. <b>2013</b> , 5, 10381-8	64
1892	Lattice defect quenching effects on luminescence properties of Eu <sup>3+</sup> -doped YVO <sub>4</sub> nanoparticles. <b>2013</b> , 15, 1	4
1891	Structural, spectroscopic and cytotoxicity studies of TbF@CeF and TbF@CeF@SiO nanocrystals. <b>2013</b> , 15, 1958	36
1890	Synthesis of porous Y <sub>2</sub> O <sub>3</sub> :Er plates with enhanced upconversion luminescence properties. <b>2013</b> , 99, 115-117	9
1889	Core/shell-type nanorods of Tb-doped LaPO <sub>4</sub> modified with amine groups, revealing reduced cytotoxicity. <b>2013</b> , 15, 2068	42
1888	Multifunctional NaYF <sub>4</sub> :Yb/Er/Gd nanocrystal decorated SiO <sub>2</sub> nanotubes for anti-cancer drug delivery and dual modal imaging. <b>2013</b> , 3, 8517	16
1887	Rational design of multifunctional upconversion nanocrystals/polymer nanocomposites for cisplatin (IV) delivery and biomedical imaging. <b>2013</b> , 25, 4898-905	111
1886	Doping alkaline-earth: a strategy of stabilizing hexagonal GdF <sub>3</sub> at room temperature. <b>2013</b> , 42, 15482-8	17
1885	Modifying the size and uniformity of upconversion Yb/Er:NaGdF <sub>4</sub> nanocrystals through alkaline-earth doping. <b>2013</b> , 5, 11298-305	78
1884	Engineering the Design of Brightly-Emitting Luminescent Nanostructured Photonic Composite Systems. <b>2013</b> , 66, 1008	16
1883	Enhancement of the up-conversion luminescence of Yb <sup>3+</sup> /Er <sup>3+</sup> or Yb <sup>3+</sup> /Tm <sup>3+</sup> co-doped NaYF <sub>4</sub> nanoparticles by photonic crystals. <b>2013</b> , 1, 6541	62
1882	Formation of bundle-shaped NaYF <sub>4</sub> upconversion microtubes via Ostwald ripening. <b>2013</b> , 5, 9732-9	79
1881	Near-infrared light photocontrolled targeting, bioimaging, and chemotherapy with caged upconversion nanoparticles in vitro and in vivo. <b>2013</b> , 7, 8516-28	183
1880	Rattle-structured multifunctional nanotheranostics for synergetic chemo-/radiotherapy and simultaneous magnetic/luminescent dual-mode imaging. <b>2013</b> , 135, 6494-503	288
1879	One-step synthesis of small-sized and water-soluble NaREF <sub>4</sub> upconversion nanoparticles for in vitro cell imaging and drug delivery. <b>2013</b> , 19, 2685-94	48
1878	Effects of Er doping site and concentration on piezoelectric, ferroelectric, and optical properties of ferroelectric Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> . <b>2013</b> , 114, 124104	74
1877	An anomalous downsizing of glycothermally-synthesized YBO <sub>3</sub> crystals by Ce <sup>3+</sup> doping. <b>2013</b> , 15, 10059	4

1876	Rhodamine B derivative-functionalized upconversion nanoparticles for FRET-based Fe(3+)-sensing. <b>2013</b> , 49, 7797-9	81
1875	Unexpected optical activity of cerium in Y2O3:Ce3+, Yb3+, Er3+ up and down-conversion system. <b>2013</b> , 42, 16837-45	18
1874	Controlled fabrication and optical properties of uniform CeO2 hollow spheres. <b>2013</b> , 3, 3544	13
1873	Low-temperature synthesis of luminescent and mesoporous $\beta$ -NaYF4 microspheres via polyol-mediated solvothermal route. <b>2013</b> , 3, 4763	7
1872	NIR light controlled photorelease of siRNA and its targeted intracellular delivery based on upconversion nanoparticles. <b>2013</b> , 5, 231-8	187
1871	Morphological evolution, structural and optical investigations of ZnO:Mg (MgxZn1-xO (0 $\leq$ x $\leq$ 30%)) nanostructures. <b>2013</b> , 3, 5465	13
1870	Amphiphilic silane modified NaYF4:Yb,Er loaded with Eu(TTA)3(TPPO)2 nanoparticles and their multi-functions: dual mode temperature sensing and cell imaging. <b>2013</b> , 5, 8541-9	54
1869	Expanding DNAzyme Functionality through Enzyme Cascades with Applications in Single Nucleotide Repair and Tunable DNA-Directed Assembly of Nanomaterials. <b>2013</b> , 4, 398-404	15
1868	Li+ ion doping: an approach for improving the crystallinity and upconversion emissions of NaYF4:Yb3+, Tm3+ nanoparticles. <b>2013</b> , 5, 8084-9	197
1867	Synthesis of NaYF4 microcrystals with different morphologies and enhanced up-conversion luminescence properties. <b>2013</b> , 15, 16795-805	39
1866	Phase transformation of ultrathin nanowires through lanthanide doping: from InOOH to rh-In(2)O(3). <b>2013</b> , 42, 4361-4	15
1865	Nitric oxide releasing materials triggered by near-infrared excitation through tissue filters. <b>2013</b> , 135, 18145-52	108
1864	Targeted Bioimaging and Photodynamic Therapy Nanoplatform Using an Aptamer-Guided G-Quadruplex DNA Carrier and Near-Infrared Light. <b>2013</b> , 125, 14215-14219	30
1863	Multicolour and up-conversion fluorescence of lanthanide doped Vernier phase yttrium oxyfluoride nanocrystals. <b>2013</b> , 1, 1995	39
1862	Hybrid of Europium-Doped Layered Yttrium Hydroxide and Organic Sensitizer Effect of Solvent on Structure and Luminescence Behavior. <b>2013</b> , 2013, 32-38	21
1861	General methodology of using oil-in-water and water-in-oil emulsions for coiling nanofilaments. <b>2013</b> , 135, 835-43	45
1860	Codopant ion-induced tunable upconversion emission in $\beta$ -NaYF4:Yb3+/Tm3+ nanorods. <b>2013</b> , 42, 1834-41	31
1859	Bright Upconversion Emission, Increased Tc, Enhanced Ferroelectric and Piezoelectric Properties in Er-Doped CaBi4Ti4O15 Multifunctional Ferroelectric Oxides. <b>2013</b> , 96, 184-190	77

1858	Upconverting nanoparticles for pre-clinical diffuse optical imaging, microscopy and sensing: Current trends and future challenges. <b>2013</b> , 7, 663-697	123
1857	Efficient Dual-Modal NIR-to-NIR Emission of Rare Earth Ions Co-doped Nanocrystals for Biological Fluorescence Imaging. <b>2013</b> , 4, 402-8	74
1856	Comparative Study of Upconverting Nanoparticles with Various Crystal Structures, Core/Shell Structures, and Surface Characteristics. <b>2013</b> , 117, 2239-2244	36
1855	Microwave-assisted synthesis and up-down conversion luminescent properties of multicolor hydrophilic LaF <sub>3</sub> :Ln <sup>3+</sup> nanocrystals. <b>2013</b> , 42, 2015-22	70
1854	Scaling down the size of BaLnF <sub>5</sub> nanocrystals (Ln = La, Gd, and Lu) with the Ln <sup>3+</sup> size. <b>2013</b> , 42, 63-6	22
1853	Upconversion luminescence with tunable lifetime in NaYF <sub>4</sub> :Yb,Er nanocrystals: role of nanocrystal size. <b>2013</b> , 5, 944-52	278
1852	Lanthanide-doped luminescent nano-bioprobes: from fundamentals to biodetection. <b>2013</b> , 5, 1369-84	153
1851	Enhanced up-conversion luminescence of Er <sup>3+</sup> :LaOF oxyfluoride borosilicate glass ceramics. <b>2013</b> , 39, 2909-2913	11
1850	On the nature of carrier relaxation and ion-ion interactions in ultrasmall $\beta$ -NaYF <sub>4</sub> :Eu <sup>3+</sup> nanocrystals--effect of the surface. <b>2013</b> , 5, 429-36	43
1849	Room temperature synthesis and formation process of $\beta$ -NaYF <sub>4</sub> nanocubes. <b>2013</b> , 48, 876-883	5
1848	Laser heating effect on the power dependence of upconversion luminescence in Er <sup>3+</sup> -doped nanopowders. <b>2013</b> , 15, 1	9
1847	Synthesis and photoluminescence properties of Eu <sup>3+</sup> -doped silica@coordination polymer core-shell structures and their calcinated silica@Gd <sub>2</sub> O <sub>3</sub> :Eu and hollow Gd <sub>2</sub> O <sub>3</sub> :Eu microsphere products. <b>2013</b> , 9, 561-9	32
1846	Photon upconversion in hetero-nanostructured photoanodes for enhanced near-infrared light harvesting. <b>2013</b> , 25, 1603-7	119
1845	Breakdown of Crystallographic Site Symmetry in Lanthanide-Doped NaYF <sub>4</sub> Crystals. <b>2013</b> , 125, 1166-1171	40
1844	Breakdown of crystallographic site symmetry in lanthanide-doped NaYF <sub>4</sub> crystals. <b>2013</b> , 52, 1128-33	185
1843	Structure and heat capacity of the NaCeF <sub>4</sub> compound. <b>2013</b> , 31, 911-915	3
1842	Free nanoparticles studied by soft X-rays. <b>2013</b> , 559, 1-11	18
1841	Effect of lanthanide doping on crystal phase and near-infrared to near-infrared upconversion emission of Tm <sup>3+</sup> doped K <sub>2</sub> F <sub>7</sub> B <sub>3</sub> nanocrystals. <b>2013</b> , 39, 7415-7424	6

1840	Tunable upconversion emission in Ba <sub>2</sub> YF <sub>7</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanocrystals with different Yb <sup>3+</sup> concentration. <b>2013</b> , 48, 2361-2364	8
1839	LiNbO <sub>3</sub> : Yb <sup>3+</sup> /Er <sup>3+</sup> /Tm <sup>3+</sup> power driven green to blue tunability. <b>2013</b> , 96, 63-66	7
1838	Transparent glass coatings incorporated with upconversion nanocrystals by laser cladding method. <b>2013</b> , 277, 176-181	2
1837	Citric acid-assisted phase controlled synthesis of NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> crystals and their intense ultraviolet upconversion emissions. <b>2013</b> , 156, 177-182	21
1836	Preferred orientation growth and size tuning of colloidal SnO <sub>2</sub> nanocrystals through Gd <sup>3+</sup> doping. <b>2013</b> , 367, 62-67	9
1835	Simultaneous morphology control and upconversion fluorescence enhancement of NaYF <sub>4</sub> :Yb,Er crystals through alkali ions doping. <b>2013</b> , 229, 429-435	35
1834	Designed synthesis and photophysical properties of multifunctional hybrid lanthanide complexes. <b>2013</b> , 3, 11367	20
1833	Size-dependent maximization of upconversion efficiency of citrate-stabilized $\beta$ -phase NaYF <sub>4</sub> :Yb(3+),Er(3+) crystals via annealing. <b>2013</b> , 5, 11661-7	80
1832	Radioisotope post-labeling upconversion nanophosphors for in vivo quantitative tracking. <b>2013</b> , 34, 2289-95	48
1831	Influence of Ce <sup>3+</sup> and Gd <sup>3+</sup> co-doping on the structure and upconversion emission in hexagonal Ho <sup>3+</sup> doped NaYbF <sub>4</sub> phosphors. <b>2013</b> , 39, 1183-1188	11
1830	Yb <sup>3+</sup> /Er <sup>3+</sup> codoped $\beta$ -NaYF <sub>4</sub> microrods: Synthesis and tuning of multicolor upconversion. <b>2013</b> , 554, 395-399	80
1829	Up-conversion of Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped transparent glass-ceramics containing Ba <sub>2</sub> LaF <sub>7</sub> nanocrystals. <b>2013</b> , 31, 843-848	30
1828	Multicolor upconversion emission of dispersed ultrasmall cubic Sr <sub>2</sub> LuF <sub>7</sub> nanocrystals synthesized by a solvothermal process. <b>2013</b> , 134, 718-723	17
1827	Down-converted luminescence and energy transfer of $\beta$ -K <sub>2</sub> Gd <sub>1-x</sub> Eu <sub>x</sub> F <sub>4</sub> nanophosphors with selective excitation. <b>2013</b> , 143, 298-303	4
1826	An exceptionally simple strategy for DNA-functionalized up-conversion nanoparticles as biocompatible agents for nanoassembly, DNA delivery, and imaging. <b>2013</b> , 135, 2411-4	226
1825	Phase transition, size control and color tuning of NaREF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> (RE = Y, Lu) nanocrystals. <b>2013</b> , 5, 3412-20	69
1824	Effect of the crystal structure of small precursor particles on the growth of $\beta$ -NaREF <sub>4</sub> (RE = Sm, Eu, Gd, Tb) nanocrystals. <b>2013</b> , 5, 806-12	44
1823	Chemistry of Doped Colloidal Nanocrystals. <b>2013</b> , 25, 1305-1317	267

1822	Fixed-component lanthanide-hybrid-fabricated full-color photoluminescent films as vapoluminescent sensors. <b>2013</b> , 19, 4556-62	45
1821	Probing a highly efficient dual mode: down-upconversion luminescence and temperature sensing performance of rare-earth oxide phosphors. <b>2013</b> , 42, 1065-72	115
1820	Lanthanide-doped upconverting luminescent nanoparticle platforms for optical imaging-guided drug delivery and therapy. <b>2013</b> , 65, 744-55	259
1819	Is BiPO <sub>4</sub> a better luminescent host? Case study on doping and annealing effects. <b>2013</b> , 52, 807-15	72
1818	Rational morphology control of $\beta$ -NaYF <sub>4</sub> :Yb,Er/Tm upconversion nanophosphors using a ligand, an additive, and lanthanide doping. <b>2013</b> , 5, 4242-51	91
1817	In vitro cell imaging using multifunctional small sized KGdF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> upconverting nanoparticles synthesized by a one-pot solvothermal process. <b>2013</b> , 5, 3465-73	82
1816	Surface-functionalized nanoparticles for biosensing and imaging-guided therapeutics. <b>2013</b> , 5, 3127-48	175
1815	Color-tunable and enhanced luminescence of well-defined sodium scandium fluoride nanocrystals. <b>2013</b> , 42, 7863-70	22
1814	Fluorinated Eu-Doped SnO <sub>2</sub> Nanostructures with Simultaneous Phase and Shape Control and Improved Photoluminescence. <b>2013</b> , 30, 332-337	8
1813	Structural and Photophysical Studies on Geometric (Er <sub>2</sub> Yb <sub>2</sub> /Yb <sub>2</sub> Er <sub>2</sub> ) and Configurational (EuTb <sub>3</sub> /Eu <sub>3</sub> Tb) Isomers of Heterotetranuclear Lanthanide(III) Complexes. <b>2013</b> , 13, 849-857	22
1812	Photon-upconverting nanoparticles for optical encoding and multiplexing of cells, biomolecules, and microspheres. <b>2013</b> , 52, 3584-600	352
1811	Color control and white upconversion luminescence of LaOF:Ln <sup>3+</sup> (Ln = Yb, Er, Tm) nanocrystals prepared by the sol-gel Pechini method. <b>2013</b> , 42, 5159-66	36
1810	Formation and down/up conversion luminescence of Ln <sup>3+</sup> doped NaY(MoO <sub>4</sub> ) <sub>2</sub> microcrystals. <b>2013</b> , 42, 3366-72	30
1809	Size and shape modifications, phase transition, and enhanced luminescence of fluoride nanocrystals induced by doping. <b>2013</b> , 1, 3158	69
1808	Prevalence of anisotropic shell growth in rare earth core-shell upconversion nanocrystals. <b>2013</b> , 7, 4393-402	92
1807	Au nanorod decoration on NaYF <sub>4</sub> :Yb/Tm nanoparticles for enhanced emission and wavelength-dependent biomolecular sensing. <b>2013</b> , 5, 3508-13	95
1806	Selective excitation of Eu <sup>3+</sup> in the core of small $\beta$ -NaGdF <sub>4</sub> nanocrystals. <b>2013</b> , 1, 801-807	57
1805	Upconversion properties of Er <sup>3+</sup> /Yb <sup>3+</sup> :NaYF <sub>4</sub> phosphors with a wide range of Yb <sup>3+</sup> concentration. <b>2013</b> , 135, 128-132	49

1804	Optical/magnetic multimodal bioprobes based on lanthanide-doped inorganic nanocrystals. <b>2013</b> , 19, 5516-27	43
1803	Imaging-Guided pH-Sensitive Photodynamic Therapy Using Charge Reversible Upconversion Nanoparticles under Near-Infrared Light. <b>2013</b> , 23, 3077-3086	294
1802	A general strategy for biocompatible, high-effective upconversion nanocapsules based on triplet-triplet annihilation. <b>2013</b> , 135, 5029-37	240
1801	Magnetic tuning of upconversion luminescence in lanthanide-doped bifunctional nanocrystals. <b>2013</b> , 52, 4366-9	166
1800	Morphology and photoluminescence properties of Er <sup>3+</sup> -doped CaF <sub>2</sub> nanocrystals patterned by laser irradiation in oxyfluoride glasses. <b>2013</b> , 145, 81-87	23
1799	Highly sensitive and selective cartap nanosensor based on luminescence resonance energy transfer between NaYF <sub>4</sub> :Yb, Ho nanocrystals and gold nanoparticles. <b>2013</b> , 114, 124-30	29
1798	Manipulation of Phase and Microstructure at Nanoscale for SiC in Molten Salt Synthesis. <b>2013</b> , 25, 2021-2027	36
1797	Hydrothermal synthesis of poly(acrylic acid)-functionalized ̢-(̢)-NaYF <sub>4</sub> :Yb, Er up-conversion nano-/micro-phosphors. <b>2013</b> , 237, 326-332	14
1796	Multifunctional core-shell upconversion nanoparticles for targeted tumor cells induced by near-infrared light. <b>2013</b> , 1, 2757-2763	32
1795	Impurity doping: a novel strategy for controllable synthesis of functional lanthanide nanomaterials. <b>2013</b> , 5, 4621-37	127
1794	The use of polyethylenimine-modified graphene oxide as a nanocarrier for transferring hydrophobic nanocrystals into water to produce water-dispersible hybrids for use in drug delivery. <b>2013</b> , 57, 120-129	82
1793	Hot-Injection Synthesis of Manganese-Ion-Doped NaYF <sub>4</sub> :Yb, Er Nanocrystals with Red Up-Converting Emission and Tunable Diameter. <b>2013</b> , 30, 311-315	15
1792	Designing tripodal and triangular gadolinium oxide nanoplates and self-assembled nanofibrils as potential multimodal bioimaging probes. <b>2013</b> , 7, 2850-9	93
1791	Understanding the Role of Nanostructures for Efficient Hydrogen Generation on Immobilized Photocatalysts. <b>2013</b> , 3, 1368-1380	118
1790	Water dispersible Eu <sup>3+</sup> -doped NaGd(SO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O nanorods for selective Fe <sup>3+</sup> sensing applications. <b>2013</b> , 3, 9197	8
1789	Color tunable phosphor CaMoO <sub>4</sub> :Eu <sup>3+</sup> , Li <sup>+</sup> via energy transfer of MoO <sub>4</sub> <sup>2-</sup> Eu <sup>3+</sup> dependent on morphology and doping concentration. <b>2013</b> , 48, 1034-1039	16
1788	Exploring the unique electrical properties of metastable BiPO <sub>4</sub> through switchable phase transitions. <b>2013</b> , 15, 609-615	22
1787	High relaxivities and strong vascular signal enhancement for NaGdF <sub>4</sub> nanoparticles designed for dual MR/optical imaging. <b>2013</b> , 2, 1478-88	55

1786	Monodispersed $\text{NaYF}_4$ Mesocrystals: In Situ Ion Exchange and Multicolor Up- and Down-Conversions. <b>2013</b> , 13, 2292-2297	45
1785	Colloidal Semiconductor Nanowires. <b>2013</b> , 65-104	
1784	Ultrasensitive polarized up-conversion of $\text{Tm}(3+)$ - $\text{Yb}(3+)$ doped $\text{NaYF}_4$ single nanorod. <b>2013</b> , 13, 2241-6	124
1783	Facile synthesis of $\text{NaYF}_4:\text{Yb}$ , $\text{Ln}/\text{NaYF}_4:\text{Yb}$ core/shell upconversion nanoparticles via successive ion layer adsorption and one-pot reaction technique. <b>2013</b> , 15, 4765	17
1782	Color-tunable upconversion luminescence of $\text{Yb}(3+)$ , $\text{Er}(3+)$ , and $\text{Tm}(3+)$ tri-doped ferroelectric $\text{BaTiO}_3$ materials. <b>2013</b> , 113, 184112	50
1781	Multicolor hybrid upconversion nanoparticles and their improved performance as luminescence temperature sensors due to energy transfer. <b>2013</b> , 9, 1052-7	66
1780	Preparation and drug-delivery properties of hollow $\text{YVO}:\text{Ln}$ and mesoporous $\text{YVO}:\text{Ln}@n\text{SiO}@m\text{SiO}$ ( $\text{Ln} = \text{Eu}, \text{Yb}, \text{Er}, \text{and Ho}$ ). <b>2013</b> , 1, 330-338	42
1779	Annealing-induced ultra-efficient NIR-to-VIS upconversion of nano-/micro-scale $\text{NaYF}_4:\text{Er}(3+), \text{Yb}(3+)$ crystals. <b>2013</b> , 15, 4739	31
1778	Anomalous up-conversion dynamics in rare-earth doped yttrium oxide powders. <b>2013</b> , 1, 3563	7
1777	A novel $\text{Sc}(3+)$ -containing fluoride host material for down- and up-conversion luminescence. <b>2013</b> , 1, 3910	29
1776	Sub-10 nm $\text{Fe}_3\text{O}_4@\text{Cu}(2-x)\text{S}$ core-shell nanoparticles for dual-modal imaging and photothermal therapy. <b>2013</b> , 135, 8571-7	510
1775	Sub-5 nm $\text{Ln}^{3+}$ -doped $\text{BaLuF}_7$ nanocrystals: a platform to realize upconversion via interparticle energy transfer (IPET). <b>2013</b> , 25, 856-60	83
1774	Platinum (IV) pro-drug conjugated $\text{NaYF}_4:\text{Yb}(3+)/\text{Er}(3+)$ nanoparticles for targeted drug delivery and up-conversion cell imaging. <b>2013</b> , 2, 562-7	39
1773	Comprehensive Study on the Size Effects of the Optical Properties of $\text{NaYF}_4:\text{Yb}, \text{Er}$ Nanocrystals. <b>2013</b> , 117, 13297-13304	85
1772	A general approach for selective enhancement of green upconversion emissions in $\text{Er}(3+)$ doped oxides by $\text{Yb}(3+)$ - $\text{MoO}_4^{2-}$ dimer sensitizing. <b>2013</b> , 66, 312-316	8
1771	Effect of alkali ions on the formation of rare earth fluoride by hydrothermal synthesis: structure tuning and size controlling. <b>2013</b> , 15, 2897	22
1770	Influence of surfactants on the morphology, upconversion emission, and magnetic properties of $\text{NaGdF}_4:\text{Yb}(3+), \text{Ln}(3+)$ ( $\text{Ln} = \text{Er}, \text{Tm}, \text{Ho}$ ). <b>2013</b> , 42, 10019-28	59
1769	Synthesis of hollow $\text{La}_2\text{O}_3:\text{Yb}(3+)/\text{Er}(3+)/\text{Tm}(3+)$ microspheres with tunable up-conversion luminescence properties. <b>2013</b> , 3, 8407	15

1768	Lanthanide-doped luminescent nanoprobes: controlled synthesis, optical spectroscopy, and bioapplications. <b>2013</b> , 42, 6924-58	679
1767	Bright white upconversion luminescence in Ho <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> triple doped CaWO <sub>4</sub> polycrystals. <b>2013</b> , 54, 50-52	42
1766	Aqueous phase synthesis of upconversion nanocrystals through layer-by-layer epitaxial growth for in vivo X-ray computed tomography. <b>2013</b> , 5, 6950-9	67
1765	A cyanine-modified nanosystem for in vivo upconversion luminescence bioimaging of methylmercury. <b>2013</b> , 135, 9869-76	253
1764	Controlled Growth and Up-Conversion Improvement of Sodium Yttrium Fluoride Crystals. <b>2013</b> , 2013, 1269-1274	20
1763	Conversion of CuO nanoplates into porous hybrid Cu <sub>2</sub> O/polypyrrole nanoflakes through a pyrrole-induced reductive transformation reaction. <b>2013</b> , 8, 1120-7	23
1762	Designed fabrication of unique eccentric mesoporous silica nanocluster-based core-shell nanostructures for pH-responsive drug delivery. <b>2013</b> , 5, 7282-90	66
1761	Sugar-attached upconversion lanthanide nanoparticles: a novel tool for high-throughput lectin assay. <b>2013</b> , 21, 2832-42	9
1760	Luminescent nanoparticles and their applications in the life sciences. <b>2013</b> , 25, 194101	37
1759	PEGylated upconverting luminescent hollow nanospheres for drug delivery and in vivo imaging. <b>2013</b> , 9, 3235-41	43
1758	Multifunctional nanoparticles for drug delivery and molecular imaging. <b>2013</b> , 15, 253-82	369
1757	Competition of shape and interaction patchiness for self-assembling nanoplates. <b>2013</b> , 5, 466-73	253
1756	Near-Infrared-to-Near-Infrared Downshifting and Near-Infrared-to-Visible Upconverting Luminescence of Er <sup>3+</sup> -Doped In <sub>2</sub> O <sub>3</sub> Nanocrystals. <b>2013</b> , 117, 10834-10841	43
1755	High-throughput 3-dimensional time-resolved spectroscopy: simultaneous characterisation of luminescence properties in spectral and temporal domains. <b>2013</b> , 3, 8670	7
1754	Systematic formation of multilayered core-shell microspheres through the multistep growth of coordination polymers. <b>2013</b> , 19, 6546-50	12
1753	Enhanced photoelectric conversion efficiency of dye-sensitized solar cells by the incorporation of dual-mode luminescent NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> . <b>2013</b> , 42, 7971-9	46
1752	Luminescence and photometric characterization of K <sup>+</sup> compensated CaMoO <sub>4</sub> :Dy <sup>3+</sup> nanophosphors. <b>2013</b> , 42, 9654-61	195
1751	Bandgap engineering and shape control of colloidal Cd(x)Zn(1-x)O nanocrystals. <b>2013</b> , 5, 6464-8	16

1750	Hydrothermal synthesis of NaLuF <sub>4</sub> :153Sm,Yb,Tm nanoparticles and their application in dual-modality upconversion luminescence and SPECT bioimaging. <b>2013</b> , 34, 774-83	138
1749	Hollow structured upconversion luminescent NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> nanospheres for cell imaging and targeted anti-cancer drug delivery. <b>2013</b> , 34, 1601-12	188
1748	Uniform NaYF <sub>4</sub> :Yb, Tm hexagonal submicroplates: Controlled synthesis and enhanced UV and blue upconversion luminescence. <b>2013</b> , 48, 300-304	21
1747	A simple and fast preparation of neodymium-substituted nanocrystalline Mn <sub>2</sub> O <sub>3</sub> . <b>2013</b> , 48, 912-915	1
1746	Multicolor upconversion luminescence in monodispersed Ba <sub>2</sub> LaF <sub>7</sub> :Ln <sup>3+</sup> (Ln=Yb/Er and Yb/Tm) nanocrystals. <b>2013</b> , 289, 109-113	11
1745	Synergistically integrated nanomaterials for multimodal cancer cell imaging. <b>2013</b> , 165-187	1
1744	An optical probe possessing upconversion luminescence and Hg(2+)-sensing properties. <b>2013</b> , 14, 2897-901	7
1743	Incorporation of computed tomography and magnetic resonance imaging function into NaYF <sub>4</sub> :Yb/Tm upconversion nanoparticles for in vivo trimodal bioimaging. <b>2013</b> , 85, 12166-72	51
1742	Near-infrared photocatalyst of Er <sup>3+</sup> /Yb <sup>3+</sup> codoped (CaF <sub>2</sub> @TiO <sub>2</sub> ) nanoparticles with active-core/active-shell structure. <b>2013</b> , 1, 7874	67
1741	Direct imaging of inhomogeneous distribution of Er <sup>3+</sup> ions in lead fluoride nanocrystals. <b>2013</b> , 365, 1-5	16
1740	Phase-tunable synthesis and upconversion photoluminescence of rare-earth-doped sodium scandium fluoride nanocrystals. <b>2013</b> , 15, 6901	21
1739	Synthesis of lanthanide-doped NaYF <sub>4</sub> @TiO <sub>2</sub> core-shell composites with highly crystalline and tunable TiO <sub>2</sub> shells under mild conditions and their upconversion-based photocatalysis. <b>2013</b> , 5, 8930-3	85
1738	Synthesis of Au [email protected] [email protected] Fluoride Nanodisk CoreShellShell Heteronanostructures. <b>2013</b> , 117, 15253-15259	30
1737	Enhancing solar cell efficiency: the search for luminescent materials as spectral converters. <b>2013</b> , 42, 173-201	1257
1736	Gd <sup>3+</sup> -Ion-Doped Upconversion Nanoprobes: Relaxivity Mechanism Probing and Sensitivity Optimization. <b>2013</b> , 23, 298-307	137
1735	Genotyping of clinically relevant human adenoviruses by array-in-well hybridization assay. <b>2013</b> , 19, 551-7	30
1734	Upconverting Phosphor Labels for Bioanalytical Assays. <b>2013</b> , 155-204	3
1733	Doping concentration induced phase transition in Eu <sup>3+</sup> -doped [email protected] nano-particles. <b>2013</b> , 21, 24742-52	13

1732	A mechanistic paradigm for broad-spectrum antivirals that target virus-cell fusion. <b>2013</b> , 9, e1003297	72
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1730	Applications of Nanoparticles for MRI Cancer Diagnosis and Therapy. <b>2013</b> , 2013, 1-12	59
1729	Size-dependent upconversion luminescence and quenching mechanism of LiYF <sub>4</sub> :Er <sup>3+</sup> /Yb <sup>3+</sup> nanocrystals with oleate ligand adsorbed. <b>2013</b> , 3, 989	68
1728	Enhancement of Up-Conversion Emission of Na(Y,Al)F <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> Prepared by a Solvothermal Method. <b>2013</b> , 2, R233-R236	6
1727	Distance dependence of gold-enhanced upconversion luminescence in Au/SiO <sub>2</sub> /Y <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> nanoparticles. <b>2013</b> , 3, 282-8	83
1726	Computed tomography imaging-guided radiotherapy by targeting upconversion nanocubes with significant imaging and radiosensitization enhancements. <b>2013</b> , 3, 1751	79
1725	Sensitive detection of NaYF <sub>4</sub> :Yb/Tm nanoparticles using suspended core microstructured optical fibers. <b>2013</b> ,	1
1724	Er <sup>3+</sup> -doped LiYF <sub>4</sub> -polymer nanocomposites for S+C+L band amplification. <b>2013</b> ,	
1723	Multicolor upconversion nanoparticles for protein conjugation. <b>2013</b> , 3, 239-48	80
1722	Upconverting near-infrared light through energy management in core-shell-shell nanoparticles. <b>2013</b> , 52, 13419-23	282
1721	Effect of Er <sup>3+</sup> Concentration on Upconversion in Hexagonal-Phase NaYF <sub>4</sub> :Er <sup>3+</sup> Nanocrystals. <b>2013</b> , 417, 012054	2
1720	The real role of active-shell in enhancing the luminescence of lanthanides doped nanomaterials. <b>2013</b> , 102, 243104	8
1719	Upconverting Near-Infrared Light through Energy Management in Core-Shell-Shell Nanoparticles. <b>2013</b> , 125, 13661-13665	44
1718	Size-dependent upconversion luminescence in Er <sup>3+</sup> /Yb <sup>3+</sup> codoped LiYF <sub>4</sub> nano/microcrystals. <b>2013</b> ,	1
1717	Intrinsic Reason for the Morphology Dependence of Luminescent Behavior: A Case Study with GdVO <sub>4</sub> :Eu <sup>3+</sup> Nanocrystals. <b>2013</b> , 2013, 5999-6008	7
1716	Magnetic Tuning of Upconversion Luminescence in Lanthanide-Doped Bifunctional Nanocrystals. <b>2013</b> , 125, 4462-4465	20
1715	Multi-photon excitation in uncaging the small molecule bioregulator nitric oxide. <b>2013</b> , 371, 20120129	22

1714	A UV-Blocking Polymer Shell Prevents One-Photon Photoreactions while Allowing Multi-Photon Processes in Encapsulated Upconverting Nanoparticles. <b>2013</b> , 125, 11312-11315	6
1713	Photonen aufkonvertierende Nanopartikel zur optischen Codierung und zum Multiplexing von Zellen, Biomolekülen und Mikrosphären. <b>2013</b> , 125, 3668-3686	40
1712	A UV-blocking polymer shell prevents one-photon photoreactions while allowing multi-photon processes in encapsulated upconverting nanoparticles. <b>2013</b> , 52, 11106-9	28
1711	Phase and size controllable synthesis of NaYbF <sub>4</sub> nanocrystals in oleic acid/ionic liquid two-phase system for targeted fluorescent imaging of gastric cancer. <b>2013</b> , 3, 210-22	51
1710	Sensing using rare-earth-doped upconversion nanoparticles. <b>2013</b> , 3, 331-45	140
1709	Upconversion nanophosphors NaLuF <sub>4</sub> :Yb,Tm for lymphatic imaging in vivo by real-time upconversion luminescence imaging under ambient light and high-resolution X-ray CT. <b>2013</b> , 3, 346-53	62
1708	Tuning NaYF <sub>4</sub> Nanoparticles through Alkaline Earth Doping. <b>2013</b> , 3, 583-591	23
1707	Synthesis and Downconversion Emission Property of Yb <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> +Nanosheets and Nanotubes. <b>2013</b> , 2013, 1-5	11
1706	. <b>2014</b> ,	5
1705	Effect of plasmon-enhancement on photophysics in upconverting nanoparticles. <b>2014</b> , 22, 11516-27	9
1704	Lumineszenzsteigerung bei Lanthanoid-dotierten aufkonvertierenden Nanopartikeln. <b>2014</b> , 126, 11892-11906	21
1703	Color-tunable upconversion emission and optical temperature sensing behaviour in Er-Yb-Mo codoped Bi <sub>0.7</sub> Ti <sub>0.4</sub> NbO <sub>3</sub> multifunctional ferroelectric oxide. <b>2014</b> , 4, 1545	52
1702	Tunable white upconversion luminescence from Yb <sup>3+</sup> +Tm <sup>3+</sup> +Mn <sup>2+</sup> tri-doped perovskite nanocrystals. <b>2014</b> , 4, 1186	26
1701	Luminescent lanthanide reporters: new concepts for use in bioanalytical applications. <b>2014</b> , 2, 012001	57
1700	Light Harvesting and Photoemission by Nanoparticles for Photodynamic Therapy. <b>2014</b> , 31, 46-75	22
1699	Crystal phase transition in Li <sub>x</sub> Na <sub>1-x</sub> GdF <sub>4</sub> solid solution nanocrystals: Tuning of optical properties. <b>2014</b> , 2, 9911-9917	8
1698	Rapid control of phase growth by nanoparticles. <b>2014</b> , 5, 3879	85
1697	Shape-Controlled Synthesis of Monodispersed Ultrasmall CaGd <sub>3</sub> F <sub>11</sub> Nanocrystals for Potential Dual-Modal Probes. <b>2014</b> , 79, 1584-1589	2

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1694	Enhanced upconversion in novel KLu <sub>2</sub> F <sub>7</sub> :Er <sup>3+</sup> transparent oxyfluoride glass-ceramics. <b>2014</b> , 4, 1367	35
1693	Synthesis in NH <sub>4</sub> NO <sub>3</sub> flux and abnormal upconversion of LiYF <sub>4</sub> :Er <sup>3+</sup> /Yb <sup>3+</sup> microcrystals. <b>2014</b> , 4, 2381	6
1692	Raman investigation and glass-compositional dependence on blue up-conversion photoluminescence for Tm <sup>3+</sup> /Yb <sup>3+</sup> co-doped TeO <sub>2</sub> -TiO <sub>2</sub> -ZnO glasses. <b>2014</b> , 4, 823	4
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1689	Effect of Aluminum Doping on the Growth and Optical and Electrical Properties of ZnO Nanorods. <b>2014</b> , 79, 743-750	14
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1687	Controllable multicolor upconversion luminescence by tuning the NaF dosage. <b>2014</b> , 9, 153-7	12
1686	Investigation of sensitizer ions tunable-distribution in fluoride nanoparticles for efficient accretive three-center energy transfer. <b>2014</b> , 116, 103503	2
1685	Versatile Synthetic Strategy for Coating Upconverting Nanoparticles with Polymer Shells through Localized Photopolymerization by Using the Particles as Internal Light Sources. <b>2014</b> , 126, 9065-9069	17
1684	Enhanced Luminescence of NaY <sub>0.6</sub> Ce <sub>0.1</sub> Gd <sub>0.3</sub> EuF <sub>4</sub> Nanorods by Energy Transfers between Ce <sup>3+</sup> , Gd <sup>3+</sup> , and Eu <sup>3+</sup> . <b>2014</b> , 118, 30197-30201	19
1683	Synergetically enhanced near-infrared photoresponse of reduced graphene oxide by upconversion and gold plasmon. <b>2014</b> , 10, 3637-43	25
1682	New 3D Lanthanide Phosphonates: Syntheses, Crystal Structure, Thermal Stability, Luminescence, and Magnetism. <b>2014</b> , 14, 6197-6204	30
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1680	Controllable Synthesis and Peculiar Optical Properties of Lanthanide-Doped Fluoride Nanocrystals. <b>2014</b> , 79, 601-609	8
1679	Light-induced self-written waveguides based on NaYF <sub>4</sub> /polymer composites for the C-band amplification. <b>2014</b> ,	

1678	Quantum coherent control of blue, green and red emissions from codoped lanthanide ions of Er <sup>3+</sup> /Tm <sup>3+</sup> /Yb <sup>3+</sup> by two shaped infrared ultrashort laser beams. <b>2014</b> , 24, 015402	0
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1676	Multimodal Biosensing Based on Lanthanide-Doped Nano-bioprobes. <b>2014</b> , 165-187	
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1673	Influence of LaF <sub>3</sub> on the crystallization and luminescence of Eu <sup>3+</sup> -doped oxyfluoride glass ceramics. <b>2014</b> , 40, 2737-2740	10
1672	Photoluminescence and photocatalytic activity of flowerlike hierarchical TiO <sub>2</sub> :Sm <sup>3+</sup> microspheres. <b>2014</b> , 50, 203-208	6
1671	Phase formation in LaF <sub>3</sub> /NaGdF <sub>4</sub> , NaGdF <sub>4</sub> /NaLuF <sub>4</sub> , and NaLuF <sub>4</sub> /NaYF <sub>4</sub> systems: Synthesis of powders by co-precipitation from aqueous solutions. <b>2014</b> , 161, 95-101	26
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1669	Theoretical calculation and experimental study on the conductivity and stability of Bi-doped SnO <sub>2</sub> electrode. <b>2014</b> , 132, 307-314	22
1668	Impact of the ion-phonon energy transfer on quantum computing schemes in rare-earth doped solids. <b>2014</b> , 151, 93-99	4
1667	Luminescence properties of LaF <sub>3</sub> :Ce nanoparticles encapsulated by oleic acid. <b>2014</b> , 57, 110-115	5
1666	A novel template-free and one-step method to fabricate hollow mesoporous structured upconversion luminescent NaYF <sub>4</sub> : Yb <sup>3+</sup> , Er <sup>3+</sup> nanoparticles. <b>2014</b> , 129, 107-110	9
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1664	Design and development of fluorescent nanostructures for bioimaging. <b>2014</b> , 39, 365-395	227
1663	Highly intensified upconversion luminescence of Ca(2+) -doped Yb/Er:NaGdF(4) nanocrystals prepared by a solvothermal route. <b>2014</b> , 9, 728-33	58
1662	Facile synthesis and enhancement upconversion luminescence of ErF <sub>3</sub> nano/microstructures via Li+ doping. <b>2014</b> , 2, 2765	11
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1660	Ratiometric detection of enzyme turnover and flavin reduction using rare-earth upconverting phosphors. <b>2014</b> , 43, 5265-8	18
1659	Recent progress in metal-organic complexes for optoelectronic applications. <b>2014</b> , 43, 3259-302	823
1658	Cysteine modified rare-earth up-converting nanoparticles for in vitro and in vivo bioimaging. <b>2014</b> , 35, 387-92	77
1657	Continuous modification of upconversion luminescence of fluorescent dye in the crystalline colloidal arrays. <b>2014</b> , 292, 613-617	1
1656	Enhancement on concentration quenching threshold and upconversion luminescence of $\text{NaYF}_4:\text{Er}^{3+}/\text{Yb}^{3+}$ codoping with $\text{Li}^+$ ions. <b>2014</b> , 599, 60-64	40
1655	White upconversion photoluminescence for $\text{Er}^{3+}/\text{Tm}^{3+}/\text{Yb}^{3+}$ tri-codoped bismuth titanate ferroelectric thin films. <b>2014</b> , 588, 158-162	19
1654	Flux-solvothermal preparation of dispersible $\text{LiLa}_{0.4}\text{Nd}_{0.6}(\text{PO}_3)_4$ microcrystals with regular morphology and superior fluorescence. <b>2014</b> , 2, 4012-4018	5
1653	Semiconductors with NIR driven upconversion performance for photocatalysis and photoelectrochemical water splitting. <b>2014</b> , 16, 3059	47
1652	Energy transfer and upconversion emission of $\text{Er}^{3+}/\text{Tb}^{3+}/\text{Yb}^{3+}$ co-doped transparent glass-ceramics containing $\text{Ba}_2\text{LaF}_7$ nanocrystals under heat treatment. <b>2014</b> , 36, 639-644	19
1651	Turning ZnO into an Efficient Energy Upconversion Material by Defect Engineering. <b>2014</b> , 24, 3760-3764	32
1650	Sub-10 nm and monodisperse $\text{NaYF}_4:\text{Yb},\text{Tm},\text{Gd}$ nanocrystals with intense ultraviolet upconversion luminescence. <b>2014</b> , 2, 2198-2203	79
1649	Manipulating the surface coating of ultra-small $\text{Gd}_2\text{O}_3$ nanoparticles for improved T1-weighted MR imaging. <b>2014</b> , 35, 1636-42	96
1648	One-step synthesis of water-dispersible hydroxyl-functionalized $\text{NaYF}_4:\text{Yb}/\text{Er}$ upconversion nanoparticles. <b>2014</b> , 117, 142-145	10
1647	Controlled synthesis and defect dependent upconversion luminescence of $\text{Y}_2\text{O}_3:\text{Yb},\text{Er}$ nanoparticles. <b>2014</b> , 115, 074309	13
1646	Synthesis of octahedral $\text{TiO}_2$ single crystals with {101} facets from solid precursor with $\text{N}_2\text{H}_4$ as capping agent. <b>2014</b> , 16, 1	4
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1644	Unexpected luminescence enhancement of upconverting nanocrystals by cation exchange with well retained small particle size. <b>2014</b> , 7, 782-793	47
1643	Lanthanide-Doped Nanoparticles. <b>2014</b> , 121-160	3

1642	Hydrothermal synthesis and afterglow luminescence properties of hollow SnO <sub>2</sub> :Sm <sup>3+</sup> ,Zr <sup>4+</sup> spheres for potential application in drug delivery. <b>2014</b> , 50, 365-368	2
1641	Engineering bright sub-10-nm upconverting nanocrystals for single-molecule imaging. <b>2014</b> , 9, 300-5	415
1640	Fabrication of predominantly Mn <sup>4+</sup> -doped TiO <sub>2</sub> nanoparticles under equilibrium conditions and their application as visible-light photocatalysts. <b>2014</b> , 9, 1904-12	39
1639	Synthesis and luminescence of uniform europium-doped bismuth fluoride and bismuth oxyfluoride particles with different morphologies. <b>2014</b> , 16, 3274	34
1638	Dual-targeting upconversion nanoprobe across the blood-brain barrier for magnetic resonance/fluorescence imaging of intracranial glioblastoma. <b>2014</b> , 8, 1231-42	243
1637	Real-time in vivo quantitative monitoring of drug release by dual-mode magnetic resonance and upconverted luminescence imaging. <b>2014</b> , 53, 4551-5	160
1636	Luminescent solar concentrators: challenges for lanthanide-based organic-inorganic hybrid materials. <b>2014</b> , 2, 5580-5596	122
1635	Pulsed laser deposition of Mn doped CdSe quantum dots for improved solar cell performance. <b>2014</b> , 104, 183901	29
1634	Universal process-inert encoding architecture for polymer microparticles. <b>2014</b> , 13, 524-9	287
1633	Yb <sup>3+</sup> and Tm <sup>3+</sup> concentration-dependent structural and optical properties of hexagonal NaGdF <sub>4</sub> nanocrystals. <b>2014</b> , 16, 1	8
1632	Novel Biomaterials for Human Health: Hemocompatible Polymeric Micro-and Nanoparticles and Their Application in Biosensor. <b>2014</b> , 181-202	1
1631	NIR luminescent nanomaterials for biomedical imaging. <b>2014</b> , 2, 2422-2443	123
1630	Enhanced up-conversion in Er <sup>3+</sup> -doped transparent glass-ceramics containing NaYbF <sub>4</sub> nanocrystals. <b>2014</b> , 152, 168-171	23
1629	Effect of the pH on the formation of NaYF <sub>4</sub> :Yb:Er nanopowders by co-crystallization in presence of polyethyleneimine. <b>2014</b> , 158, 60-64	7
1628	Bright and tunable up-conversion luminescence through cooperative energy transfer in Yb <sup>3+</sup> , Tb <sup>3+</sup> and Eu <sup>3+</sup> co-doped LaPO <sub>4</sub> nanocrystals. <b>2014</b> , 4, 2590-2595	26
1627	Controllable synthesis of Ln <sup>3+</sup> (Ln = Tb, Eu) doped zinc phosphate nano-/micro-structured materials: phase, morphology and luminescence properties. <b>2014</b> , 6, 2137-45	36
1626	Gadolinium oxysulfide nanoparticles as multimodal imaging agents for T <sub>2</sub> -weighted MR, X-ray tomography and photoluminescence. <b>2014</b> , 6, 555-64	49
1625	Controllable metal-enhanced fluorescence in organized films and colloidal system. <b>2014</b> , 207, 164-77	77

1624	Upconversion nanophosphors for use in bioimaging, therapy, drug delivery and bioassays. <b>2014</b> , 181, 263-294	78
1623	Facile preparation and fluorescence enhancement of yolk-like Ag@Y <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> hollow structured composite. <b>2014</b> , 4, 6696	6
1622	Scattering or Photoluminescence? Major Mechanism Exploration on Performance Enhancement in P3HT-Based Polymer Solar Cells with NaYF <sub>4</sub> :2% Er <sup>3+</sup> , 18% Yb <sup>3+</sup> Upconverting Nanocrystals. <b>2014</b> , 2, 442-449	13
1621	3-Dimensional photonic crystal surface enhanced upconversion emission for improved near-infrared photoresponse. <b>2014</b> , 6, 817-24	62
1620	Recent progress in rare earth micro/nanocrystals: soft chemical synthesis, luminescent properties, and biomedical applications. <b>2014</b> , 114, 2343-89	1088
1619	Synthesis and up-conversion photoluminescence properties of NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> @sSiO <sub>2</sub> @mSiO <sub>2</sub> nanoparticles. <b>2014</b> , 36, 1443-1448	1
1618	Tuned synthesis of doped rare-earth orthovanadates for enhanced luminescence. <b>2014</b> , 4, 4260-4268	16
1617	Novel series of quaternary fluoride nanocrystals: room-temperature synthesis and down-shifting/up-converting multicolor fluorescence. <b>2014</b> , 2, 2368-2374	16
1616	Tunable lifetime multiplexing using luminescent nanocrystals. <b>2014</b> , 8, 32-36	530
1615	Upconversion induced enhancement of dye sensitized solar cells based on core-shell structured $\text{NaYF}_4:\text{Er}^{3+}, \text{Yb}^{3+}@\text{SiO}_2$ nanoparticles. <b>2014</b> , 6, 2052-5	56
1614	Enhancing multiphoton upconversion through energy clustering at sublattice level. <b>2014</b> , 13, 157-62	435
1613	Design of multifunctional alkali ion doped CaF <sub>2</sub> upconversion nanoparticles for simultaneous bioimaging and therapy. <b>2014</b> , 43, 3861-70	29
1612	Plasmon-enhanced energy transfer for improved upconversion of infrared radiation in doped-lanthanide nanocrystals. <b>2014</b> , 14, 101-6	166
1611	Enhancing luminescence in lanthanide-doped upconversion nanoparticles. <b>2014</b> , 53, 11702-15	392
1610	An upconversion nanoparticle with orthogonal emissions using dual NIR excitations for controlled two-way photoswitching. <b>2014</b> , 53, 14419-23	112
1609	Lanthanide-based heteroepitaxial core-shell nanostructures: compressive versus tensile strain asymmetry. <b>2014</b> , 8, 10517-27	63
1608	Stop flow lithography in perfluoropolyether (PFPE) microfluidic channels. <b>2014</b> , 14, 4680-7	23
1607	Eu(3+)-doped NaGdF <sub>4</sub> nanocrystal down-converting layer for efficient dye-sensitized solar cells. <b>2014</b> , 6, 17454-62	32

1606	Measurement procedure for absolute broadband infrared up-conversion photoluminescent quantum yields: correcting for absorption/re-emission. <b>2014</b> , 85, 063109	14
1605	Simultaneous Realization of Phase/Size Manipulation, Upconversion Luminescence Enhancement, and Blood Vessel Imaging in Multifunctional Nanoprobes Through Transition Metal Mn <sup>2+</sup> Doping. <b>2014</b> , 24, 4051-4059	190
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1602	Broadband up-conversion at subsolar irradiance: triplet-triplet annihilation boosted by fluorescent semiconductor nanocrystals. <b>2014</b> , 14, 6644-50	55
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1600	Effect of phase transition on photoluminescence of Er-doped KNN ceramics. <b>2014</b> , 155, 343-350	21
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1597	Controllable synthesis and size-dependent upconversion luminescence properties of Lu <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanospheres. <b>2014</b> , 16, 4329-4337	27
1596	Raman scattering and plasmonic photocatalysis of single particles of NaYF <sub>4</sub> :Yb,Er@Ag under near-infrared laser excitation. <b>2014</b> , 139, 5983-8	12
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1538	Tuning crystal field symmetry of hexagonal NaY <sub>0.92</sub> Yb <sub>0.05</sub> Er <sub>0.03</sub> F <sub>4</sub> by Ti <sup>4+</sup> codoping for high-performance upconversion. <b>2014</b> , 613, 253-259	11
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1534	Plasmon-enhanced upconversion luminescence in single nanophosphor-nanorod heterodimers formed through template-assisted self-assembly. <b>2014</b> , 8, 9482-91	105
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1530	Optical temperature sensor based on upconversion emission in Er-doped ferroelectric 0.5Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> -0.5(Ba <sub>0.7</sub> Ca <sub>0.3</sub> )TiO <sub>3</sub> ceramic. <b>2014</b> , 104, 152902	190
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1517	Doping-induced evolutions of PbWO <sub>4</sub> mesocrystals and their optical properties. <b>2014</b> , 4, 36738-36741	12

1516	Direct formation of mesoporous upconverting core-shell nanoparticles for bioimaging of living cells. <b>2014</b> , 181, 775-781	17
1515	Facile template free synthesis of $\text{KLa}(\text{MoO}_4)_2:\text{Eu}^{3+},\text{Tb}^{3+}$ microspheres and their multicolor tunable luminescence. <b>2014</b> , 43, 5382-92	57
1514	Energy upconversion in lanthanide-doped core/porous-shell nanoparticles. <b>2014</b> , 53, 3257-9	31
1513	Bright green upconversion emission and enhanced ferroelectric polarization in $\text{Sr}_{1-x}\text{Er}_x\text{Bi}_2\text{Nb}_2\text{O}_9$ . <b>2014</b> , 36, 1209-1212	32
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1510	Blue photoluminescence enhancement in laser-irradiated 6H-SiC at room temperature. <b>2014</b> , 104, 041906	10
1509	Hollow spherical rare-earth-doped yttrium oxysulfate: A novel structure for upconversion. <b>2014</b> , 7, 1093-1102	38
1508	Low temperature solid-state synthesis and characterization of uniform $\text{YF}_3$ submicroparticles. <b>2014</b> , 33, 604-607	1
1507	Polymeric optodes based on upconverting nanorods for fluorescence measurements of $\text{Pb}^{2+}$ in complex samples. <b>2014</b> , 192, 51-55	17
1506	Optical temperature sensing of hexagonal $\text{Na}_{0.82}\text{Ca}_{0.08}\text{Er}_{0.16}\text{Y}_{0.85}\text{F}_4$ phosphor. <b>2014</b> , 4, 24170	24
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1504	Lanthanide-Doped Luminescent Nanomaterials. <b>2014</b> ,	42
1503	NIR photoregulated chemo- and photodynamic cancer therapy based on conjugated polyelectrolyte-drug conjugate encapsulated upconversion nanoparticles. <b>2014</b> , 6, 11259-72	81
1502	Direct synthesis of hexagonal $\text{NaGdF}_4$ nanocrystals from a single-source precursor: upconverting $\text{NaGdF}_4:\text{Yb}^{3+}, \text{Tm}^{3+}$ and its composites with $\text{TiO}_2$ for near-IR-driven photocatalysis. <b>2014</b> , 9, 2415-21	39
1501	Cross Relaxation Induced Pure Red Upconversion in Activator- and Sensitizer-Rich Lanthanide Nanoparticles. <b>2014</b> , 26, 5183-5186	158
1500	Effects of Heating Rate on the Nucleation, Growth, and Transformation of $\text{InOOH}$ and $\text{In}_2\text{O}_3$ via Solvothermal Reactions. <b>2014</b> , 118, 21170-21176	16
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1498	One-Stone-Two-Birds Modulation for Na <sub>3</sub> ScF <sub>6</sub> -Based Novel Nanocrystals: Simultaneous Morphology Evolution and Luminescence Tuning. <b>2014</b> , 14, 3257-3263	21
1497	Facile fabrication and upconversion luminescence enhancement of LaF <sub>3</sub> :Yb <sup>3+</sup> /Ln <sup>3+</sup> @SiO <sub>2</sub> (Ln = Er, Tm) nanostructures decorated with Ag nanoparticles. <b>2014</b> , 25, 045603	15
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1490	Novel fluorite structured superparamagnetic RbGdF <sub>4</sub> nanocrystals as versatile upconversion host. <b>2014</b> , 53, 10257-65	12
1489	Yb <sub>2</sub> O <sub>3</sub> /Au Upconversion Nanocomposites with Broad-Band Excitation for Solar Cells. <b>2014</b> , 118, 3258-3265	40
1488	Pure near-infrared to near-infrared upconversion of multifunctional Tm <sup>3+</sup> and Yb <sup>3+</sup> co-doped NaGd(WO <sub>4</sub> ) <sub>2</sub> nanoparticles. <b>2014</b> , 2, 4495-4501	33
1487	Sub-10 nm BaLaF:Mn/Yb/Er nanoprobe for dual-modal synergistic in vivo upconversion luminescence and X-ray bioimaging. <b>2014</b> , 2, 6527-6533	22
1486	Calcination-free micropatterning of rare-earth-ion-doped nanoparticle films on wettability-patterned surfaces of plastic sheets. <b>2014</b> , 422, 58-64	12
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1484	Ultra-small fluorescent inorganic nanoparticles for bioimaging. <b>2014</b> , 2, 2793-2818	94
1483	Growth of hexagonal NaGdF <sub>4</sub> nanocrystals based on cubic Ln <sup>3+</sup> : CaF <sub>2</sub> precursors and the multi-color upconversion emissions. <b>2014</b> , 591, 370-376	7
1482	Controllable synthesis and upconversion emission of ultrasmall near-monodisperse lanthanide-doped Sr <sub>2</sub> LaF <sub>7</sub> nanocrystals. <b>2014</b> , 609, 262-267	12
1481	Performance enhancement in dye-sensitized solar cells by utilization of a bifunctional layer consisting of core-shell NaYF <sub>4</sub> :Er <sup>3+</sup> /Yb <sup>3+</sup> @SiO <sub>2</sub> submicron hexagonal prisms. <b>2014</b> , 249, 72-78	25

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1479	Influence of Li <sup>+</sup> doping on up-conversion and structural properties of Yb <sup>3+</sup> /Tm <sup>3+</sup> -doped cubic NaYF <sub>4</sub> nanocrystals. <b>2014</b> , 145, 956-962	15
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1476	Dual-modal upconversion fluorescent/X-ray imaging using ligand-free hexagonal phase NaLuF <sub>4</sub> :Gd/Yb/Er nanorods for blood vessel visualization. <b>2014</b> , 35, 2934-41	113
1475	Enzyme-induced modulation of the emission of upconverting nanoparticles: towards a new sensing scheme for glucose. <b>2014</b> , 59, 14-20	23
1474	Optimized upconversion emission of NaLuF <sub>4</sub> :Er,Yb nanocrystals codoped with Gd <sup>3+</sup> ions and its mechanism. <b>2014</b> , 593, 30-33	22
1473	Elaboration, Structure, and Intense Upconversion in Transparent KYb <sub>2</sub> F <sub>7</sub> :Ho <sup>3+</sup> Glass-Ceramics. <b>2014</b> , 97, 2012-2015	33
1472	Massively parallel and highly quantitative single-particle analysis on interactions between nanoparticles on supported lipid bilayer. <b>2014</b> , 136, 4081-8	40
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1469	Multicolor barcoding in a single upconversion crystal. <b>2014</b> , 136, 4893-6	302
1468	Low-Temperature Fluorination Route to Lanthanide-Doped Monoclinic ScOF Host Material for Tunable and Nearly Single Band Up-Conversion Luminescence. <b>2014</b> , 118, 10314-10320	32
1467	Upconversion nanoparticles: design, nanochemistry, and applications in theranostics. <b>2014</b> , 114, 5161-214	1742
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1464	Large enhancements of NaYF <sub>4</sub> :Yb/Er/Gd nanorod upconversion emissions via coupling with localized surface plasmon of Au film. <b>2014</b> , 25, 185401	38
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1462	Structure of the hexagonal NaYF <sub>4</sub> phase from first-principles molecular dynamics. <b>2014</b> , 4, 22526	21
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1460	One-pot template-free synthesis of NaYF <sub>4</sub> upconversion hollow nanospheres for bioimaging and drug delivery. <b>2014</b> , 9, 1655-62	16
1459	NaYF <sub>4</sub> :Yb,Tm nanocrystals and TiO <sub>2</sub> inverse opal composite films: a novel device for upconversion enhancement and solid-based sensing of avidin. <b>2014</b> , 6, 5859-70	67
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995	Surface plasmon resonance enhanced multi-shell-modified upconversion NaYF4:Yb3+, Er3+@SiO2@Au@TiO2 crystallites for dye-sensitized solar cells. <b>2016</b> , 307, 468-473	51

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993	Phenothiazine-cyanine-functionalized upconversion nanoparticles for LRET and colorimetric sensing of cyanide ions in water samples. <b>2016</b> , 319-320, 53-61	17
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4 <sup>11</sup>	NaYbF@NaYF Nanoparticles: Controlled Shell Growth and Shape-Dependent Cellular Uptake. <b>2021</b> , 13, 2327-2335	10
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4 <sup>09</sup>	Solvothermal synthesis and upconversion luminescence of ultra-small Sc <sub>2</sub> O <sub>3</sub> : Yb, Er nanoparticles. <b>2021</b> , 112, 110786	2
4 <sup>08</sup>	Mo-doping induced edge-rich cobalt iron oxide ultrathin nanomeshes as efficient bifunctional electrocatalysts for overall water splitting. <b>2021</b> , 368, 137651	6
4 <sup>07</sup>	First-Principles Calculation of Photoelectric Property in Upconversion Materials through In Doping. <b>2021</b> , 61, 881-890	1
4 <sup>06</sup>	Tunable Dual-Mode MOF-Based Composite Fluorescent Materials: Stimuli-Responsive and Anti-counterfeiting Application. <b>2021</b> , 21, 1625-1635	14
4 <sup>05</sup>	Can NaYF <sub>4</sub> :Yb,Tm nanocrystals with multi-morphologies and various phases be synthesized by solvothermal process. <b>2021</b> , 32, 6269-6282	1
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4 <sup>01</sup>	Eu-doped CsPbBr <sub>3</sub> perovskite nanocrystals. <b>2021</b> ,	

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