

Fiorenzo Vetrone

List of Publications by Year in Descending Order

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

133 papers	13,936 citations	56 h-index	117 g-index
152 ext. papers	15,171 ext. citations	7.9 avg, IF	6.61 L-index

#	Paper	IF	Citations
133	Fast wide-field upconversion luminescence lifetime thermometry enabled by single-shot compressed ultrahigh-speed imaging. <i>Nature Communications</i> , 2021 , 12, 6401	17.4	4
132	Uptake of Upconverting Nanoparticles by Breast Cancer Cells: Surface Coating versus the Protein Corona. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 39076-39087	9.5	4
131	One-pot synthesis of theranostic nanocapsules with lanthanide doped nanoparticles. <i>Chemical Science</i> , 2020 , 11, 6653-6661	9.4	4
130	Influence of halide ions on the structure and properties of copper indium sulphide quantum dots. <i>Chemical Communications</i> , 2020 , 56, 3341-3344	5.8	1
129	Terahertz three-dimensional monitoring of nanoparticle-assisted laser tissue soldering. <i>Biomedical Optics Express</i> , 2020 , 11, 2254-2267	3.5	5
128	Effect of light scattering on upconversion photoluminescence quantum yield in microscale-to-nanoscale materials. <i>Optics Express</i> , 2020 , 28, 22803-22818	3.3	7
127	Hybrid graphene/metal oxide anodes for efficient and stable dye sensitized solar cell. <i>Electrochimica Acta</i> , 2020 , 349, 136409	6.7	21
126	Erbium Single-Band Nanothermometry in the Third Biological Imaging Window: Potential and Limitations. <i>Advanced Optical Materials</i> , 2020 , 8, 2001178	8.1	16
125	Electrospun Upconverting Nanofibrous Hybrids with Smart NIR-Light-Controlled Drug Release for Wound Dressing.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7219-7227	4.1	10
124	Surface vs. core N/S/Se-heteroatom doping of carbon nanodots produces divergent yet consistent optical responses to reactive oxygen species. <i>Nanoscale Advances</i> , 2020 , 2, 4024-4033	5.1	2
123	Autofluorescence-Free Imaging Using Polymer-Stabilized Nd-Doped YAG Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51273-51284	9.5	2
122	Spectral characterization of LiYbF upconverting nanoparticles. <i>Nanoscale</i> , 2020 , 12, 17545-17554	7.7	9
121	Inert Shell Effect on the Quantum Yield of Neodymium-Doped Near-Infrared Nanoparticles: The Necessary Shield in an Aqueous Dispersion. <i>Nano Letters</i> , 2020 , 20, 7648-7654	11.5	17
120	Engineering efficient upconverting nanothermometers using Eu ³⁺ ions. <i>Nanoscale Advances</i> , 2019 , 1, 757-764	5.1	14
119	Advancing neodymium single-band nanothermometry. <i>Nanoscale</i> , 2019 , 11, 11322-11330	7.7	43
118	Morphology Control of Lanthanide Doped NaGdF ₄ Nanocrystals via One-Step Thermolysis. <i>Chemistry of Materials</i> , 2019 , 31, 5160-5171	9.6	25
117	Magnetic Photoluminescent Nanoplatform Built from Large-Pore Mesoporous Silica. <i>Chemistry of Materials</i> , 2019 , 31, 3201-3210	9.6	26

116	Nd doped GdScAlO nanoparticles: towards efficient nanoprobe for temperature sensing. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11132-11141	3.6	25
115	Plasmon enhanced upconverting core@triple-shell nanoparticles as recyclable panchromatic initiators (blue to infrared) for radical polymerization. <i>Nanoscale Horizons</i> , 2019 , 4, 907-917	10.8	17
114	Mercaptosilane-Passivated CuInS ₂ Quantum Dots for Luminescence Thermometry and Luminescent Labels. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2426-2436	5.6	13
113	Single-shot compressed optical-streaking ultra-high-speed photography. <i>Optics Letters</i> , 2019 , 44, 1387-1390	21	
112	Quantifying the photothermal conversion efficiency of plasmonic nanoparticles by means of terahertz radiation. <i>APL Photonics</i> , 2019 , 4, 126106	5.2	14
111	Decoupling Theranostics with Rare Earth Doped Nanoparticles. <i>Advanced Functional Materials</i> , 2019 , 29, 1807105	15.6	50
110	Multifunctional Self-Assembled Supernanoparticles for Deep-Tissue Bimodal Imaging and Amplified Dual-Mode Heating Treatment. <i>ACS Nano</i> , 2019 , 13, 408-420	16.7	49
109	Heterostructured quantum dot architectures for efficient and stable photoelectrochemical hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6822-6829	13	34
108	An Integrated Multifunctional Nanoplatfrom for Deep-Tissue Dual-Mode Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1706235	15.6	27
107	Tuning the sensitivity of lanthanide-activated NIR nanothermometers in the biological windows. <i>Nanoscale</i> , 2018 , 10, 2568-2576	7.7	58
106	Luminescence of Eu ³⁺ Activated CaF ₂ and SrF ₂ Nanoparticles: Effect of the Particle Size and Codoping with Alkaline Ions. <i>Crystal Growth and Design</i> , 2018 , 18, 686-694	3.5	37
105	Upconverting Nanoparticle to Quantum Dot Förster Resonance Energy Transfer: Increasing the Efficiency through Donor Design. <i>ACS Photonics</i> , 2018 , 5, 2261-2270	6.3	49
104	Highly stable photoelectrochemical cells for hydrogen production using a SnO-TiO ₂ /quantum dot heterostructured photoanode. <i>Nanoscale</i> , 2018 , 10, 15273-15284	7.7	23
103	Seeing, Targeting and Delivering with Upconverting Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10923-10931	16.4	73
102	Upconverting nanocomposites with combined photothermal and photodynamic effects. <i>Nanoscale</i> , 2018 , 10, 791-799	7.7	45
101	Heat Conversion: Highly Efficient Copper Sulfide-Based Near-Infrared Photothermal Agents: Exploring the Limits of Macroscopic Heat Conversion (Small 49/2018). <i>Small</i> , 2018 , 14, 1870238	11	3
100	Highly Efficient Copper Sulfide-Based Near-Infrared Photothermal Agents: Exploring the Limits of Macroscopic Heat Conversion. <i>Small</i> , 2018 , 14, e1803282	11	30
99	Small and Bright Lithium-Based Upconverting Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12890-12899	16.4	65

98	Double rare-earth nanothermometer in aqueous media: opening the third optical transparency window to temperature sensing. <i>Nanoscale</i> , 2017 , 9, 3079-3085	7.7	114
97	Efficient Upconverting Multiferroic Core@Shell Photocatalysts: Visible-to-Near-Infrared Photon Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8142-8150	9.5	60
96	Colloidal nanothermometers based on neodymium doped alkaline-earth fluorides in the first and second biological windows. <i>Sensors and Actuators B: Chemical</i> , 2017 , 250, 147-155	8.5	21
95	Covering the optical spectrum through collective rare-earth doping of NaGdF nanoparticles: 806 and 980 nm excitation routes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 11825-11834	3.6	30
94	Self-assembled photoadditives in polyester films allow stop and go chemical release. <i>Acta Biomaterialia</i> , 2017 , 54, 186-200	10.8	10
93	In Vivo Ischemia Detection by Luminescent Nanothermometers. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601195	10.1	53
92	A low-loss origami plasmonic waveguide. <i>Science</i> , 2017 , 357, 452-453	33.3	5
91	Core or Shell? Er ³⁺ FRET Donors in Upconversion Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5186-5195	2.3	33
90	Terahertz Thermometry: Combining Hyperspectral Imaging and Temperature Mapping at Terahertz Frequencies. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600342	8.3	15
89	Cover Feature: Core or Shell? Er ³⁺ FRET Donors in Upconversion Nanoparticles (Eur. J. Inorg. Chem. 44/2017). <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5054-5054	2.3	
88	Development and Investigation of Ultrastable PbS/CdS/ZnS Quantum Dots for Near-Infrared Tumor Imaging. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600242	3.1	21
87	Nd ³⁺ activated CaF ₂ NPs as colloidal nanothermometers in the biological window. <i>Optical Materials</i> , 2017 , 68, 29-34	3.3	35
86	Towards understanding the unusual photoluminescence intensity variation of ultrasmall colloidal PbS quantum dots with the formation of a thin CdS shell. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31828-31835	3.6	11
85	Enhanced photovoltaic properties in dye sensitized solar cells by surface treatment of SnO ₂ photoanodes. <i>Scientific Reports</i> , 2016 , 6, 23312	4.9	59
84	Exploiting the biological windows: current perspectives on fluorescent bioprobes emitting above 1000 nm. <i>Nanoscale Horizons</i> , 2016 , 1, 168-184	10.8	387
83	Near-infrared triggered generation of reactive oxygen species from upconverting nanoparticles decorated with an organoiridium complex. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3113-3120	7.3	14
82	Photocleavable Hydrogel-Coated Upconverting Nanoparticles: A Multifunctional Theranostic Platform for NIR Imaging and On-Demand Macromolecular Delivery. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1078-83	16.4	158
81	Multifunctional Liposome Nanocarriers Combining Upconverting Nanoparticles and Anticancer Drugs. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 4992-5001	3.4	49

80	11 Nanothermometry Using Upconverting Nanoparticles. <i>Nanomaterials and Their Applications</i> , 2016 , 319-358		
79	Infrared-Emitting QDs for Thermal Therapy with Real-Time Subcutaneous Temperature Feedback. <i>Advanced Functional Materials</i> , 2016 , 26, 6060-6068	15.6	92
78	Harvesting Lost Photons: Plasmon and Upconversion Enhanced Broadband Photocatalytic Activity in Core@Shell Microspheres Based on Lanthanide-Doped NaYF ₄ , TiO ₂ , and Au. <i>Advanced Functional Materials</i> , 2015 , 25, 2950-2960	15.6	231
77	Characterization of fluoride nanocrystals for optical refrigeration 2015 ,		1
76	Sensitive Detection of ssDNA Using an LRET-Based Upconverting Nanohybrid Material. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18257-65	9.5	34
75	Towards near-infrared photosensitization of tungsten trioxide nanostructured films by upconverting nanoparticles. <i>RSC Advances</i> , 2015 , 5, 81875-81880	3.7	1
74	Temperature-Induced Energy Transfer in Dye-Conjugated Upconverting Nanoparticles: A New Candidate for Nanothermometry. <i>Chemistry of Materials</i> , 2015 , 27, 235-244	9.6	76
73	1.3 μ m emitting SrF ₂ :Nd ³⁺ nanoparticles for high contrast in vivo imaging in the second biological window. <i>Nano Research</i> , 2015 , 8, 649-665	10	167
72	Hybrid nanostructures for high-sensitivity luminescence nanothermometry in the second biological window. <i>Advanced Materials</i> , 2015 , 27, 4781-7	24	149
71	PbS/CdS/ZnS Quantum Dots: A Multifunctional Platform for In Vivo Near-Infrared Low-Dose Fluorescence Imaging. <i>Advanced Functional Materials</i> , 2015 , 25, 6650-6659	15.6	98
70	Enhanced Luminescence, Collective Heating, and Nanothermometry in an Ensemble System Composed of Lanthanide-Doped Upconverting Nanoparticles and Gold Nanorods. <i>Advanced Optical Materials</i> , 2015 , 3, 1606-1613	8.1	44
69	Real-time, non-invasive monitoring of hydrogel degradation using LiYF ₄ :Yb(3+)/Tm(3+) NIR-to-NIR upconverting nanoparticles. <i>Nanoscale</i> , 2015 , 7, 11255-62	7.7	47
68	A single multifunctional nanoplatfrom based on upconversion luminescence and gold nanorods. <i>Nanoscale</i> , 2015 , 7, 5178-85	7.7	46
67	Intense ultraviolet upconversion in water dispersible SrF ₂ :Tm ³⁺ ,Yb ³⁺ nanoparticles: the effect of the environment on light emissions. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3108-3113	7.1	72
66	Nd:YAG Near-Infrared Luminescent Nanothermometers. <i>Advanced Optical Materials</i> , 2015 , 3, 687-694	8.1	203
65	Tunable chemical release from polyester thin film by photocatalytic zinc oxide and doped LiYF ₄ upconverting nanoparticles. <i>Biomacromolecules</i> , 2015 , 16, 364-73	6.9	17
64	Tough, in-situ thermogelling, injectable hydrogels for biomedical applications. <i>Macromolecular Bioscience</i> , 2015 , 15, 473-80	5.5	23
63	Chapter 5:Luminescent Nanothermometry with Lanthanide-doped Nanoparticles. <i>RSC Nanoscience and Nanotechnology</i> , 2015 , 124-166		12

62	Light Management in Upconverting Nanoparticles: Ultrasmall Core/Shell Architectures to Tune the Emission Color. <i>ACS Photonics</i> , 2014 , 1, 662-669	6.3	52
61	Lanthanide-based nanostructures for optical bioimaging: Small particles with large promise. <i>MRS Bulletin</i> , 2014 , 39, 960-964	3.2	14
60	Lanthanide-doped upconverting nanoparticles: harvesting light for solar cells. <i>ChemSusChem</i> , 2013 , 6, 1308-11	8.3	33
59	Microwave-assisted cation exchange toward synthesis of near-infrared emitting PbS/CdS core/shell quantum dots with significantly improved quantum yields through a uniform growth path. <i>Nanoscale</i> , 2013 , 5, 7800-4	7.7	32
58	Enhancing the color purity of the green upconversion emission from Er ³⁺ /Yb ³⁺ -doped GdVO ₄ nanocrystals via tuning of the sensitizer concentration. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6536	7.1	47
57	Fluorescent nano-particles for multi-photon thermal sensing. <i>Journal of Luminescence</i> , 2013 , 133, 249-253	3.8	37
56	Response to "Critical growth temperature of aqueous CdTe quantum dots is non-negligible for their application as nanothermometers". <i>Small</i> , 2013 , 9, 3198-200	11	5
55	High resolution fluorescence imaging of cancers using lanthanide ion-doped upconverting nanocrystals. <i>Cancers</i> , 2012 , 4, 1067-105	6.6	46
54	Deep tissue bio-imaging using two-photon excited CdTe fluorescent quantum dots working within the biological window. <i>Nanoscale</i> , 2012 , 4, 298-302	7.7	75
53	Luminescence nanothermometry. <i>Nanoscale</i> , 2012 , 4, 4301-26	7.7	969
52	PEG-capped, lanthanide doped GdF ₃ nanoparticles: luminescent and T ₂ contrast agents for optical and MRI multimodal imaging. <i>Nanoscale</i> , 2012 , 4, 7682-9	7.7	63
51	Photoswitching of bis-spiropyran using near-infrared excited upconverting nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 7244-6	5.8	50
50	Enhancing upconverted white light in Tm ³⁺ /Yb ³⁺ /Ho ³⁺ -doped GdVO ₄ nanocrystals via incorporation of Li ⁺ ions. <i>Optics Express</i> , 2012 , 20, 111-9	3.3	81
49	NIR-to-NIR two-photon excited CaF ₂ :Tm ³⁺ ,Yb ³⁺ nanoparticles: multifunctional nanoprobe for highly penetrating fluorescence bio-imaging. <i>ACS Nano</i> , 2011 , 5, 8665-71	16.7	342
48	Synthesis of ligand-free colloiddally stable water dispersible brightly luminescent lanthanide-doped upconverting nanoparticles. <i>Nano Letters</i> , 2011 , 11, 835-40	11.5	621
47	CdTe quantum dots as nanothermometers: towards highly sensitive thermal imaging. <i>Small</i> , 2011 , 7, 1774-8	11	102
46	Water dispersible ultra-small multifunctional KGdF ₄ :Tm ³⁺ , Yb ³⁺ nanoparticles with near-infrared to near-infrared upconversion. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16589		156
45	Preferential suppression of high-energy upconverted emissions of Tm ³⁺ by Dy ³⁺ ions in Tm ³⁺ /Dy ³⁺ /Yb ³⁺ -doped LiYF ₄ colloidal nanocrystals. <i>Chemical Communications</i> , 2011 , 47, 3481-3	5.8	45

44	White light upconversion of nanocrystalline Er/Tm/Yb doped tetragonal Gd ₄ O ₃ F ₆ . <i>Optical Materials</i> , 2011 , 33, 643-646	3.3	64
43	NIR-to-visible and NIR-to-NIR upconversion in lanthanide doped nanocrystalline GdOF with trigonal structure. <i>Optical Materials</i> , 2011 , 33, 1500-1505	3.3	33
42	Temperature sensing using fluorescent nanothermometers. <i>ACS Nano</i> , 2010 , 4, 3254-8	16.7	1082
41	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. <i>Optics Express</i> , 2010 , 18, 23544-53	5.3	70
40	Carbohydrate-coated lanthanide-doped upconverting nanoparticles for lectin recognition. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7543		92
39	CdSe quantum dots for two-photon fluorescence thermal imaging. <i>Nano Letters</i> , 2010 , 10, 5109-15	11.5	239
38	Intracellular imaging of HeLa cells by non-functionalized NaYF ₄ : Er ³⁺ , Yb ³⁺ upconverting nanoparticles. <i>Nanoscale</i> , 2010 , 2, 495-8	7.7	165
37	Luminescence resonance energy transfer from an upconverting nanoparticle to a fluorescent phycobiliprotein. <i>Nanoscale</i> , 2010 , 2, 1185-9	7.7	29
36	Upconversion in Er ³⁺ -doped Gd ₂ O ₃ nanocrystals prepared by propellant synthesis and flame spray pyrolysis. <i>Materials Research Bulletin</i> , 2010 , 45, 927-932	5.1	16
35	The Active-Core/Active-Shell Approach: A Strategy to Enhance the Upconversion Luminescence in Lanthanide-Doped Nanoparticles. <i>Advanced Functional Materials</i> , 2009 , 19, 2924-2929	15.6	596
34	Colloidal Tm ³⁺ /Yb ³⁺ -Doped LiYF ₄ Nanocrystals: Multiple Luminescence Spanning the UV to NIR Regions via Low-Energy Excitation. <i>Advanced Materials</i> , 2009 , 21, 4025-4028	24	367
33	Sensitized Ce(3+) and Gd(3+) ultraviolet emissions by Tm(3+) in colloidal LiYF(4) nanocrystals. <i>Chemistry - A European Journal</i> , 2009 , 15, 9660-3	4.8	55
32	Improving biocompatibility of implantable metals by nanoscale modification of surfaces: an overview of strategies, fabrication methods, and challenges. <i>Small</i> , 2009 , 5, 996-1006	11	163
31	Controlled Synthesis and Water Dispersibility of Hexagonal Phase NaGdF ₄ :Ho ³⁺ /Yb ³⁺ Nanoparticles. <i>Chemistry of Materials</i> , 2009 , 21, 717-723	9.6	333
30	Nanoscale oxidative patterning of metallic surfaces to modulate cell activity and fate. <i>Nano Letters</i> , 2009 , 9, 659-65	11.5	121
29	Structural and optical investigation of colloidal Ln ³⁺ /Yb ³⁺ co-doped KY ₃ F ₁₀ nanocrystals. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3149		76
28	Near-Infrared-to-Blue Upconversion in Colloidal BaYF ₅ :Tm ³⁺ , Yb ³⁺ Nanocrystals. <i>Chemistry of Materials</i> , 2009 , 21, 1847-1851	9.6	217
27	Cross-Relaxation and Upconversion Processes in Pr ³⁺ Singly Doped and Pr ³⁺ /Yb ³⁺ Codoped Nanocrystalline Gd ₃ Ga ₅ O ₁₂ : The Sensitizer/Activator Relationship. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7750-7756	3.8	95

26	Bright White Upconversion Emission from Tm ³⁺ /Yb ³⁺ /Er ³⁺ -Doped Lu ₃ Ga ₅ O ₁₂ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17745-17749	3.8	136
25	Lanthanide-doped fluoride nanoparticles: luminescence, upconversion, and biological applications. <i>International Journal of Nanotechnology</i> , 2008 , 5, 1306	1.5	103
24	Surface Nanopatterning to Control Cell Growth. <i>Advanced Materials</i> , 2008 , 20, 1488-1492	24	138
23	Synthesis of colloidal upconverting NaYF ₄ nanocrystals doped with Er ³⁺ , Yb ³⁺ and Tm ³⁺ , Yb ³⁺ via thermal decomposition of lanthanide trifluoroacetate precursors. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7444-5	16.4	899
22	A spectroscopic analysis of blue and ultraviolet upconverted emissions from Gd ₃ Ga ₅ O ₁₂ :Tm ³⁺ , Yb ³⁺ nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17400-5	3.4	160
21	Structural Investigation and Anti-Stokes Emission of Scandium Oxide Nanocrystals Activated with Trivalent Erbium. <i>Journal of the Electrochemical Society</i> , 2005 , 152, H19	3.9	10
20	Wet chemical synthesis and luminescence properties of erbium-doped nanocrystalline yttrium oxide. <i>Journal of Materials Research</i> , 2004 , 19, 3398-3407	2.5	16
19	Optical spectroscopy of lanthanide ions in Al ₂ O ₃ /Nb ₂ O ₅ /TeO ₂ glasses. <i>Optical Materials</i> , 2004 , 25, 215-223	3.3	31
18	Investigation of the upconversion processes in nanocrystalline Gd ₃ Ga ₅ O ₁₂ :Ho ³⁺ . <i>Journal of Luminescence</i> , 2004 , 106, 263-268	3.8	37
17	Yb ³⁺ ion as a sensitizer for the upconversion luminescence in nanocrystalline Gd ₃ Ga ₅ O ₁₂ :Ho ³⁺ . <i>Chemical Physics Letters</i> , 2004 , 390, 403-407	2.5	101
16	Nanostructured Lanthanide-Doped Lu ₂ O ₃ Obtained by Propellant Synthesis. <i>Chemistry of Materials</i> , 2004 , 16, 1330-1335	9.6	45
15	A spectroscopic investigation of trivalent lanthanide doped Y ₂ O ₃ nanocrystals. <i>Nanotechnology</i> , 2004 , 15, 75-81	3.4	90
14	Significance of Yb ³⁺ concentration on the upconversion mechanisms in codoped Y ₂ O ₃ :Er ³⁺ , Yb ³⁺ nanocrystals. <i>Journal of Applied Physics</i> , 2004 , 96, 661-667	2.5	468
13	Variation of Fluorescence Lifetimes and Judd-Ofelt Parameters between Eu ³⁺ Doped Bulk and Nanocrystalline Cubic Lu ₂ O ₃ . <i>Journal of Physical Chemistry B</i> , 2004 , 108, 20137-20143	3.4	233
12	Upconversion luminescence of a calcium sodium aluminosilicate glass doped with erbium. <i>Materials Letters</i> , 2004 , 58, 2207-2212	3.3	16
11	Visible upconversion emission of Pr ³⁺ doped gadolinium gallium garnet nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 1025-31	1.3	19
10	Effect of Yb ³⁺ Codoping on the Upconversion Emission in Nanocrystalline Y ₂ O ₃ :Er ³⁺ . <i>Journal of Physical Chemistry B</i> , 2003 , 107, 1107-1112	3.4	222
9	Luminescence Spectroscopy and Near-Infrared to Visible Upconversion of Nanocrystalline Gd ₃ Ga ₅ O ₁₂ :Er ³⁺ . <i>Journal of Physical Chemistry B</i> , 2003 , 107, 10747-10752	3.4	54

8	Concentration-Dependent Near-Infrared to Visible Upconversion in Nanocrystalline and Bulk Y ₂ O ₃ :Er ³⁺ . <i>Chemistry of Materials</i> , 2003 , 15, 2737-2743	9.6	265
7	Optical transitions and upconversion properties of Ho ³⁺ doped ZnO:TeO ₂ glass. <i>Journal of Applied Physics</i> , 2003 , 93, 9460-9465	2.5	60
6	Visible upconversion of Er ³⁺ doped nanocrystalline and bulk Lu ₂ O ₃ . <i>Optical Materials</i> , 2002 , 19, 259-268	3.3	164
5	Optical Spectroscopy and Upconversion Studies of Ho ³⁺ -Doped Bulk and Nanocrystalline Y ₂ O ₃ . <i>Chemistry of Materials</i> , 2002 , 14, 2915-2921	9.6	156
4	980 nm excited upconversion in an Er-doped ZnO:TeO ₂ glass. <i>Applied Physics Letters</i> , 2002 , 80, 1752-1754	3.4	161
3	Enhancement of Red Emission (4F _{9/2} - π 15/2) via Upconversion in Bulk and Nanocrystalline Cubic Y ₂ O ₃ :Er ³⁺ . <i>Journal of Physical Chemistry B</i> , 2002 , 106, 1181-1187	3.4	253
2	NIR to Visible Upconversion in Nanocrystalline and Bulk Lu ₂ O ₃ :Er ³⁺ . <i>Journal of Physical Chemistry B</i> , 2002 , 106, 5622-5628	3.4	117
1	Optical spectroscopy of nanocrystalline cubic Y ₂ O ₃ :Er ³⁺ obtained by combustion synthesis. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 3203-3207	3.6	166