

Feng Wang

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.

154
papers

20,160
citations

56
h-index

141
g-index

166
ext. papers

22,558
ext. citations

11.1
avg, IF

7.33
L-index

#	Paper	IF	Citations
154	Ultralarge anti-Stokes lasing through tandem upconversion.. <i>Nature Communications</i> , 2022 , 13, 1032	17.4	8
153	Broadband multimodal emission in Sb-doped CaZnOS-layered semiconductors. <i>Science China Materials</i> , 2022 , 65, 1329-1336	7.1	3
152	3D Upconversion Barcodes for Combinatory Wireless Neuromodulation in Behaving Animals.. <i>Advanced Healthcare Materials</i> , 2022 , e2200304	10.1	0
151	Recent Advances in All-Inorganic Zero-Dimensional Metal Halides. <i>ChemPlusChem</i> , 2021 , 86, 1577-1585	2.8	0
150	An erythrocyte-delivered photoactivatable oxaliplatin nanoprodug for enhanced antitumor efficacy and immune response. <i>Chemical Science</i> , 2021 , 12, 14353-14362	9.4	1
149	Multiexcitonic Emission in Zero-Dimensional CsZrCl:Sb Perovskite Crystals. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17599-17606	16.4	23
148	Microstructure design and energy transfer in Gd ₂ (WO ₄) ₃ : Yb ³⁺ /Er ³⁺ phosphors. <i>Journal of the Korean Physical Society</i> , 2021 , 78, 796-802	0.6	
147	Recent advances in flexible alternating current electroluminescent devices. <i>APL Materials</i> , 2021 , 9, 030701	9.7	5
146	High-Performance Flexible Self-Powered Photodetectors Utilizing Spontaneous Electron and Hole Separation in Quasi-2D Halide Perovskites. <i>Small</i> , 2021 , 17, e2100442	11	8
145	Expanding the Toolbox of Inorganic Mechanoluminescence Materials. <i>Accounts of Materials Research</i> , 2021 , 2, 364-373	7.5	25
144	Visible-to-Ultraviolet Light Conversion: Materials and Applications. <i>Advanced Photonics Research</i> , 2021 , 2, 2000213	1.9	5
143	Enhancing upconversion of Nd ³⁺ through Yb ³⁺ -mediated energy cycling towards temperature sensing. <i>Journal of Rare Earths</i> , 2021 ,	3.7	6
142	Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma. <i>Acta Biomaterialia</i> , 2021 , 129, 245-257	10.8	7
141	Sensitizing Full-Spectrum Lanthanide Luminescence within a Semiconductor CaZnOS Host. <i>Advanced Photonics Research</i> , 2021 , 2, 2000089	1.9	3
140	Remote Regulation of Optogenetic Proteins by a Magneto-Luminescence Microdevice. <i>Advanced Functional Materials</i> , 2021 , 31, 2006357	15.6	6
139	Continuous-wave lasing from quasi-2D perovskites. <i>Science Bulletin</i> , 2021 , 66, 521-523	10.6	0
138	Synthesis of Core-Shell ScF ₃ Nanoparticles for Thermal Enhancement of Upconversion. <i>Chemistry of Materials</i> , 2021 , 33, 158-163	9.6	24

137	Acid/alkali-resistant, stimuli-responsive, and shape-remodeled emulsion droplet assemblies with Ag nanocrystals as binding agents. <i>Chemical Engineering Journal</i> , 2021 , 407, 127092	14.7	1
136	Overcoming thermal quenching in upconversion nanoparticles. <i>Nanoscale</i> , 2021 , 13, 3454-3462	7.7	19
135	Near-infrared photon-excited energy transfer in platinum(II)-based supramolecular polymers assisted by upconverting nanoparticles. <i>Chemical Communications</i> , 2021 , 57, 1927-1930	5.8	1
134	NaYbF@NaYF Nanoparticles: Controlled Shell Growth and Shape-Dependent Cellular Uptake. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2327-2335	9.5	10
133	High-security anti-counterfeiting through upconversion luminescence. <i>Materials Today Physics</i> , 2021 , 21, 100520	8	24
132	Interfacial jamming reinforced Pickering emulgel for arbitrary architected nanocomposite with connected nanomaterial matrix. <i>Nature Communications</i> , 2021 , 12, 111	17.4	11
131	Tuning epitaxial growth on NaYbF upconversion nanoparticles by strain management. <i>Nanoscale</i> , 2020 , 12, 13973-13979	7.7	8
130	Simultaneous Enhancement and Modulation of Upconversion by Thermal Stimulation in ScMoO Crystals. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3020-3024	6.4	41
129	Cooperative deformation in high-entropy alloys at ultralow temperatures. <i>Science Advances</i> , 2020 , 6, eaax4002	14.3	77
128	A ZnS/CaZnOS Heterojunction for Efficient Mechanical-to-Optical Energy Conversion by Conduction Band Offset. <i>Advanced Materials</i> , 2020 , 32, e1907747	24	49
127	InP Quantum Dots: Synthesis and Lighting Applications. <i>Small</i> , 2020 , 16, e2002454	11	56
126	Emerging Frontiers of Upconversion Nanoparticles. <i>Trends in Chemistry</i> , 2020 , 2, 427-439	14.8	61
125	Tuning Multimode Luminescence in Lanthanide(III) and Manganese(II) Co-Doped CaZnOS Crystals. <i>Advanced Optical Materials</i> , 2020 , 8, 2000274	8.1	23
124	Blue-Pumped Deep Ultraviolet Lasing from Lanthanide-Doped Lu ₆ O ₅ F ₈ Upconversion Nanocrystals. <i>Advanced Optical Materials</i> , 2020 , 8, 1900968	8.1	22
123	Near infrared neuromorphic computing via upconversion-mediated optogenetics. <i>Nano Energy</i> , 2020 , 67, 104262	17.1	21
122	Optical tuning in lanthanide-based nanostructures. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 053002	3	4
121	Flexible and fully implantable upconversion device for wireless optogenetic stimulation of the spinal cord in behaving animals. <i>Nanoscale</i> , 2020 , 12, 2406-2414	7.7	17
120	Recent advances in the synthesis and application of Yb-based fluoride upconversion nanoparticles. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1067-1081	6.8	33

119	Lanthanide-Based Luminescent Materials for Waveguide and Lasing. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 21-33	4.5	28
118	Shedding Light on the Role of Misfit Strain in Controlling Core-Shell Nanocrystals. <i>Advanced Materials</i> , 2020 , 32, e2004142	24	37
117	Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39567-39577	9.5	12
116	Combating Concentration Quenching in Upconversion Nanoparticles. <i>Accounts of Chemical Research</i> , 2020 , 53, 358-367	24.3	79
115	Thermal Enhancement of Upconversion by Negative Lattice Expansion in Orthorhombic Yb ₂ W ₃ O ₁₂ . <i>Angewandte Chemie</i> , 2019 , 131, 17415-17419	3.6	2
114	Accurate Control of Core-Shell Upconversion Nanoparticles through Anisotropic Strain Engineering. <i>Advanced Functional Materials</i> , 2019 , 29, 1903295	15.6	38
113	Salt-Triggered Release of Hydrophobic Agents from Polyelectrolyte Capsules Generated via One-Step Interfacial Multilevel and Multicomponent Assembly. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38353-38360	9.5	5
112	One-Step Synthesis of Mixed Lanthanide Metal-Organic Framework Films for Sensitive Temperature Mapping. <i>Advanced Optical Materials</i> , 2019 , 7, 1900336	8.1	40
111	Highly efficient and ultra-narrow bandwidth orange emissive carbon dots for microcavity lasers. <i>Nanoscale</i> , 2019 , 11, 11577-11583	7.7	39
110	Oleylamine-Mediated Synthesis of Small NaYbF ₄ Nanoparticles with Tunable Size. <i>Chemistry of Materials</i> , 2019 , 31, 4779-4786	9.6	57
109	Integrating temporal and spatial control of electronic transitions for bright multiphoton upconversion. <i>Nature Communications</i> , 2019 , 10, 1811	17.4	55
108	Phase Separation of P3HT/PMMA Blend Film for Forming Semiconducting and Dielectric Layers in Organic Thin-Film Transistors for High-Sensitivity NO Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44521-44527	9.5	25
107	Cs ⁺ -Assisted Synthesis of NaLaF ₄ Nanoparticles. <i>Chemistry of Materials</i> , 2019 , 31, 9497-9503	9.6	8
106	Thermal Enhancement of Upconversion by Negative Lattice Expansion in Orthorhombic Yb W O. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17255-17259	16.4	74
105	Mechanically Excited Multicolor Luminescence in Lanthanide Ions. <i>Advanced Materials</i> , 2019 , 31, e1807062	24	70
104	Ionic liquid-assisted synthesis of Yb ³⁺ -Tm ³⁺ codoped Y ₇ O ₆ F ₉ petal shaped microcrystals with enhanced upconversion emission. <i>Materials Research Bulletin</i> , 2018 , 103, 19-24	5.1	8
103	Energy transfer-based biodetection using optical nanomaterials. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2924-2944	7.3	26
102	Yb-sensitized upconversion and downshifting luminescence in Nd ions through energy migration. <i>Dalton Transactions</i> , 2018 , 47, 8581-8584	4.3	12

101	An upconversion nanoplatform with extracellular pH-driven tumor-targeting ability for improved photodynamic therapy. <i>Nanoscale</i> , 2018 , 10, 4432-4441	7.7	21
100	Core-Shell-Shell Upconversion Nanoparticles with Enhanced Emission for Wireless Optogenetic Inhibition. <i>Nano Letters</i> , 2018 , 18, 948-956	11.5	95
99	Upconversion in Nanostructured Materials: From Optical Tuning to Biomedical Applications. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 373-385	4.5	34
98	NaYbF@CaF core-satellite upconversion nanoparticles: one-pot synthesis and sensitive detection of glutathione. <i>Nanoscale</i> , 2018 , 10, 19898-19905	7.7	28
97	Infrared-Sensitive Memory Based on Direct-Grown MoS ₂ -Upconversion-Nanoparticle Heterostructure. <i>Advanced Materials</i> , 2018 , 30, e1803563	24	57
96	Synthesis of Mesoporous ZIF-8 Nanoribbons and their Conversion into Carbon Nanoribbons for High-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2018 , 24, 11185-11192	4.8	20
95	Influence of Plasmonic Effect on the Upconversion Emission Characteristics of NaYF ₄ Hexagonal Microrods. <i>Inorganic Chemistry</i> , 2018 , 57, 8200-8204	5.1	11
94	Reaction-Based Off-On Near-infrared Fluorescent Probe for Imaging Alkaline Phosphatase Activity in Living Cells and Mice. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6796-6803	9.5	102
93	Anti-counterfeiting patterns encrypted with multi-mode luminescent nanotaggants. <i>Nanoscale</i> , 2017 , 9, 2701-2705	7.7	119
92	Using shape to turn off blinking for two-colour multiexciton emission in CdSe/CdS tetrapods. <i>Nature Communications</i> , 2017 , 8, 15083	17.4	29
91	Crystalline Hollow Microrods for Site-Selective Enhancement of Nonlinear Photoluminescence. <i>Angewandte Chemie</i> , 2017 , 129, 10519-10523	3.6	6
90	Crystalline Hollow Microrods for Site-Selective Enhancement of Nonlinear Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10383-10387	16.4	54
89	Minimizing the Heat Effect of Photodynamic Therapy Based on Inorganic Nanocomposites Mediated by 808 nm Near-Infrared Light. <i>Small</i> , 2017 , 13, 1700038	11	70
88	Progress on Electronic and Optoelectronic Devices of 2D Layered Semiconducting Materials. <i>Small</i> , 2017 , 13, 1604298	11	55
87	Tailoring lanthanide doping in perovskite CaTiO ₃ for luminescence applications. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16189-16197	3.6	16
86	Enhancing Multiphoton Upconversion from NaYF ₄ :Yb/Tm@NaYF ₄ Core-Shell Nanoparticles via the Use of Laser Cavity. <i>ACS Nano</i> , 2017 , 11, 843-849	16.7	83
85	A General Strategy for Ligand Exchange on Upconversion Nanoparticles. <i>Inorganic Chemistry</i> , 2017 , 56, 872-877	5.1	62
84	Broadband Ce(III)-Sensitized Quantum Cutting in Core-Shell Nanoparticles: Mechanistic Investigation and Photovoltaic Application. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5099-5104	6.4	21

83	Energy Migration Upconversion in Ce(III)-Doped Heterogeneous Core-Shell-Shell Nanoparticles. <i>Small</i> , 2017 , 13, 1701479	11	41
82	Innentitelbild: Crystalline Hollow Microrods for Site-Selective Enhancement of Nonlinear Photoluminescence (<i>Angew. Chem.</i> 35/2017). <i>Angewandte Chemie</i> , 2017 , 129, 10384-10384	3.6	
81	Tetherless near-infrared control of brain activity in behaving animals using fully implantable upconversion microdevices. <i>Biomaterials</i> , 2017 , 142, 136-148	15.6	51
80	Multiplexed Optogenetic Stimulation of Neurons with Spectrum-Selective Upconversion Nanoparticles. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700446	10.1	36
79	Plasmonic Dual-Enhancement and Precise Color Tuning of Gold Nanorod@SiO ₂ Coupled Core-Shell-Shell Upconversion Nanocrystals. <i>Advanced Functional Materials</i> , 2017 , 27, 1701842	15.6	87
78	An All-Nanocrystal Biosensing System for In Vitro Detection of STAT3 Oligonucleotides. <i>Molecules</i> , 2017 , 22,	4.8	1
77	A NIR-driven photocatalyst based on NaYF ₄ :Yb,Tm@TiO ₂ core-shell structure supported on reduced graphene oxide. <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 184-192	21.8	113
76	Amplifying Excitation-Power Sensitivity of Photon Upconversion in a NaYbF ₄ :Ho Nanostructure for Direct Visualization of Electromagnetic Hotspots. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4916-4921	6.4	75
75	Graphitic Carbon Nanocubes Derived from ZIF-8 for Photothermal Therapy. <i>Inorganic Chemistry</i> , 2016 , 55, 5750-2	5.1	13
74	Creating Recoverable Mechanoluminescence in Piezoelectric Calcium Niobates through Pr ³⁺ Doping. <i>Chemistry of Materials</i> , 2016 , 28, 4052-4057	9.6	80
73	Confining energy migration in upconversion nanoparticles towards deep ultraviolet lasing. <i>Nature Communications</i> , 2016 , 7, 10304	17.4	193
72	Shielding Upconversion by Surface Coating: A Study of the Emission Enhancement Factor. <i>ChemPhysChem</i> , 2016 , 17, 766-70	3.2	24
71	An upconversion nanoplatform for simultaneous photodynamic therapy and Pt chemotherapy to combat cisplatin resistance. <i>Dalton Transactions</i> , 2016 , 45, 13052-60	4.3	45
70	Optical modulators with 2D layered materials. <i>Nature Photonics</i> , 2016 , 10, 227-238	33.9	910
69	Multimodal Upconversion Nanoplatform with a Mitochondria-Targeted Property for Improved Photodynamic Therapy of Cancer Cells. <i>Inorganic Chemistry</i> , 2016 , 55, 3872-80	5.1	53
68	Peptide-Decorated Gold Nanoparticles as Functional Nano-Capping Agent of Mesoporous Silica Container for Targeting Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11204-9	9.5	69
67	Lanthanide-Doped Core-Shell Upconversion Nanophosphors 2016 , 289-309		2
66	An upconversion nanoprobe operating in the first biological window. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3548-3555	7.3	41

65	Lanthanide-Doped Energy Cascade Nanoparticles: Full Spectrum Emission by Single Wavelength Excitation. <i>Chemistry of Materials</i> , 2015 , 27, 3115-3120	9.6	80
64	Photon upconversion in core-shell nanoparticles. <i>Chemical Society Reviews</i> , 2015 , 44, 1318-30	58.5	329
63	Recent Advances in Doped Mechanoluminescent Phosphors. <i>ChemPlusChem</i> , 2015 , 80, 1209-1215	2.8	74
62	Directional Light Emission in a Single NaYF ₄ Microcrystal via Photon Upconversion. <i>Advanced Optical Materials</i> , 2015 , 3, 1577-1581	8.1	41
61	Establishing the Structural Integrity of Core-Shell Nanoparticles against Elemental Migration using Luminescent Lanthanide Probes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12788-90	16.4	53
60	Establishing the Structural Integrity of Core-Shell Nanoparticles against Elemental Migration using Luminescent Lanthanide Probes. <i>Angewandte Chemie</i> , 2015 , 127, 12979-12981	3.6	1
59	Cleavable Molecular Beacon for Hg(2+) Detection Based on Phosphorothioate RNA Modifications. <i>Analytical Chemistry</i> , 2015 , 87, 6890-5	7.8	54
58	A core-shell-shell nanoplatform upconverting near-infrared light at 808 nm for luminescence imaging and photodynamic therapy of cancer. <i>Scientific Reports</i> , 2015 , 5, 10785	4.9	132
57	Lanthanide-Doped Nanoparticles 2014 , 121-160		3
56	Enhancing NIR emission of Yb ³⁺ by silver nanoclusters in oxyfluoride glass. <i>Journal of Luminescence</i> , 2014 , 152, 222-225	3.8	24
55	Enhancing multiphoton upconversion through energy clustering at sublattice level. <i>Nature Materials</i> , 2014 , 13, 157-62	27	435
54	Phonon-modulated upconversion luminescence properties in some Er ³⁺ and Yb ³⁺ co-activated oxides. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4642	7.1	26
53	An upconverted photonic nonvolatile memory. <i>Nature Communications</i> , 2014 , 5, 4720	17.4	108
52	Multicolor tuning of lanthanide-doped nanoparticles by single wavelength excitation. <i>Accounts of Chemical Research</i> , 2014 , 47, 1378-85	24.3	349
51	Preparation of core-shell NaGdF ₄ nanoparticles doped with luminescent lanthanide ions to be used as upconversion-based probes. <i>Nature Protocols</i> , 2014 , 9, 1634-44	18.8	386
50	NaYF ₄ :Yb,Tm nanocrystals and TiO ₂ inverse opal composite films: a novel device for upconversion enhancement and solid-based sensing of avidin. <i>Nanoscale</i> , 2014 , 6, 5859-70	7.7	67
49	Amplified spontaneous emission and lasing from lanthanide-doped up-conversion nanocrystals. <i>ACS Nano</i> , 2013 , 7, 11420-6	16.7	90
48	Phase transformation of ultrathin nanowires through lanthanide doping: from InOOH to rh-In(2)O(3). <i>Dalton Transactions</i> , 2013 , 42, 4361-4	4.3	15

47	Upconverting near-infrared light through energy management in core-shell-shell nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13419-23	16.4	282
46	Upconverting Near-Infrared Light through Energy Management in Core-Shell-Shell Nanoparticles. <i>Angewandte Chemie</i> , 2013 , 125, 13661-13665	3.6	44
45	Tuning NaYF ₄ Nanoparticles through Alkaline Earth Doping. <i>Nanomaterials</i> , 2013 , 3, 583-591	5.4	23
44	The effect of surface coating on energy migration-mediated upconversion. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20849-57	16.4	344
43	Selective Heteroepitaxial Nanocrystal Growth of Rare Earth Fluorides on Sodium Chloride: Synthesis and Density Functional Calculations. <i>Angewandte Chemie</i> , 2012 , 124, 8926-8929	3.6	3
42	Selective heteroepitaxial nanocrystal growth of rare earth fluorides on sodium chloride: synthesis and density functional calculations. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8796-9	16.4	25
41	Inhibited local thermal effect in upconversion luminescence of YVO ₄ /Yb ³⁺ , Er ³⁺ inverse opals. <i>Optics Express</i> , 2012 , 20, 29673-8	3.3	20
40	Emerging functional nanomaterials for therapeutics. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13107		137
39	Rare-Earth Doped Upconversion Nanophosphors 2011 , 359-384		1
38	Tuning upconversion through energy migration in core-shell nanoparticles. <i>Nature Materials</i> , 2011 , 10, 968-73	27	1372
37	Single-Band Upconversion Emission in Lanthanide-Doped KMnF ₃ Nanocrystals. <i>Angewandte Chemie</i> , 2011 , 123, 10553-10556	3.6	44
36	Single-band upconversion emission in lanthanide-doped KMnF ₃ nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10369-72	16.4	389
35	Simultaneous phase and size control of upconversion nanocrystals through lanthanide doping. <i>Nature</i> , 2010 , 463, 1061-5	50.4	2560
34	Tunable Upconversion Emissions from Lanthanide-doped Monodisperse NaYF ₄ Nanoparticles. <i>Spectroscopy Letters</i> , 2010 , 43, 400-405	1.1	45
33	A systems approach towards the stoichiometry-controlled hetero-assembly of nanoparticles. <i>Nature Communications</i> , 2010 , 1, 87	17.4	136
32	Upconversion nanoparticles in biological labeling, imaging, and therapy. <i>Analyst, The</i> , 2010 , 135, 1839-54		1159
31	Mechanical nanosprings: induced coiling and uncoiling of ultrathin Au nanowires. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11920-2	16.4	92
30	Direct Evidence of a Surface Quenching Effect on Size-Dependent Luminescence of Upconversion Nanoparticles. <i>Angewandte Chemie</i> , 2010 , 122, 7618-7622	3.6	156

29	Direct evidence of a surface quenching effect on size-dependent luminescence of upconversion nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7456-60	16.4	696
28	NaYF ₄ :Yb,Tm/CdS composite as a novel near-infrared-driven photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2010 , 100, 433-439	21.8	153
27	Lanthanide-doped LiYF ₄ nanoparticles: Synthesis and multicolor upconversion tuning. <i>Comptes Rendus Chimie</i> , 2010 , 13, 731-736	2.7	105
26	Recent advances in the chemistry of lanthanide-doped upconversion nanocrystals. <i>Chemical Society Reviews</i> , 2009 , 38, 976-89	58.5	2423
25	Multiplex single-nucleotide polymorphism typing by nanoparticle-coupled DNA-templated reactions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11668-9	16.4	74
24	One-step, room temperature, colorimetric detection of mercury (Hg ²⁺) using DNA/nanoparticle conjugates. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3244-5	16.4	658
23	Upconversion multicolor fine-tuning: visible to near-infrared emission from lanthanide-doped NaYF ₄ nanoparticles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5642-3	16.4	1259
22	Multicolor tuning of (Ln, P)-doped YVO ₄ nanoparticles by single-wavelength excitation. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 906-9	16.4	239
21	Up- and Down-Conversion Cubic Zirconia and Hafnia Nanobelts. <i>Advanced Materials</i> , 2008 , 20, 4826-4829	2.4	77
20	Multicolor Tuning of (Ln, P)-Doped YVO ₄ Nanoparticles by Single-Wavelength Excitation. <i>Angewandte Chemie</i> , 2008 , 120, 920-923	3.6	25
19	Multicolour PEI/NaGdF ₄ :Ce ³⁺ ,Ln ³⁺ nanocrystals by single-wavelength excitation. <i>Nanotechnology</i> , 2007 , 18, 025701	3.4	99
18	Synthesis of LaF ₃ : Yb ³⁺ , Ln ³⁺ nanoparticles with improved upconversion luminescence. <i>Journal of Experimental Nanoscience</i> , 2007 , 2, 303-311	1.9	12
17	Use of Nanoparticles as Building Blocks for Bioapplications 2007 , 353-376		5
16	Hydrothermal synthesis and luminescence behavior of lanthanide-doped GdF ₃ /nanoparticles. <i>IEEE Nanotechnology Magazine</i> , 2006 , 5, 123-128	2.6	31
15	Synthesis of polyethylenimine/NaYF ₄ nanoparticles with upconversion fluorescence. <i>Nanotechnology</i> , 2006 , 17, 5786-5791	3.4	269
14	Facile synthesis of water-soluble LaF ₃ : Ln ³⁺ nanocrystals. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1031		116
13	One-pot synthesis of chitosan/LaF ₃ :Eu ³⁺ nanocrystals for bio-applications. <i>Nanotechnology</i> , 2006 , 17, 1527-1532	3.4	123
12	Luminescent nanomaterials for biological labelling. <i>Nanotechnology</i> , 2006 , 17, R1-R13	3.4	474

11	Luminescence behavior of Eu ³⁺ doped LaF ₃ nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 61, 2455-9	4.4	71
10	Luminescence behavior of the dibenzoyl methane europium(III) complexes in sol-gel derived host materials. <i>Journal of Luminescence</i> , 2005 , 114, 281-287	3.8	10
9	Hydrothermal synthesis and luminescence behavior of rare-earth-doped NaLa(WO ₄) ₂ powders. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 825-830	3.3	51
8	Synthesis and luminescence behavior of Eu ³⁺ -doped CaF ₂ nanoparticles. <i>Solid State Communications</i> , 2005 , 133, 775-779	1.6	73
7	Hydrothermal synthesis of Nd ³⁺ -doped orthoborate nanoparticles that emit in the near-infrared. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3346-3350	3.3	15
6	The in situ synthesis process and luminescence behavior of 2-pyridinecarboxylic acid europium complexes in the sol-gel derived host materials. <i>Materials Chemistry and Physics</i> , 2003 , 82, 38-43	4.4	5
5	Luminescence behavior of the europium (III) complexes with hexafluoroacetylacetonate in the ORMOSIL matrices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 100, 147-151	3.1	9
4	The in-situ synthesis process and luminescence behavior of a p-hydroxybenzoic acid-berbium complex in sol-gel derived host materials. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3560-3564		9
3	Doubly Doped BaZnOS Microcrystals for Multicolor Luminescence Switching. <i>Advanced Optical Materials</i> , 2102430	8.1	3
2	Interface synergistic effects induced multi-mode luminescence. <i>Nano Research</i> , 1	10	2
1	Rapid Nondestructive Detection Enabled by an Ultra-Broadband NIR pc-LED. <i>Laser and Photonics Reviews</i> , 2200012	8.3	7