

# Xueyuan Chen

## List of Publications by Citations

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265  
papers

18,012  
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127  
g-index

290  
ext. papers

20,404  
ext. citations

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6.84  
L-index

#	Paper	IF	Citations
265	Tuning upconversion through energy migration in core-shell nanoparticles. <i>Nature Materials</i> , <b>2011</b> , 10, 968-73	27	1372
264	Upconversion nanoparticles in biological labeling, imaging, and therapy. <i>Analyst, The</i> , <b>2010</b> , 135, 1839-54		1159
263	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. <i>Nature Communications</i> , <b>2014</b> , 5, 4312	17.4	898
262	Lanthanide-doped luminescent nanoprobe: controlled synthesis, optical spectroscopy, and bioapplications. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 6924-58	58.5	679
261	Lanthanide-doped upconversion nano-bioprobes: electronic structures, optical properties, and biodetection. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 1379-415	58.5	619
260	Diisopropylammonium bromide is a high-temperature molecular ferroelectric crystal. <i>Science</i> , <b>2013</b> , 339, 425-8	33.3	583
259	A strategy to achieve efficient dual-mode luminescence of Eu(3+) in lanthanides doped multifunctional NaGdF(4) nanocrystals. <i>Advanced Materials</i> , <b>2010</b> , 22, 3266-71	24	532
258	Stabilizing Cesium Lead Halide Perovskite Lattice through Mn(II) Substitution for Air-Stable Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 11443-11450	16.4	524
257	Lanthanide-doped LiLuF(4) upconversion nanoprobe for the detection of disease biomarkers. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1252-7	16.4	357
256	Amine-functionalized lanthanide-doped KGdF4 nanocrystals as potential optical/magnetic multimodal bioprobes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1323-30	16.4	353
255	The effect of surface coating on energy migration-mediated upconversion. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 20849-57	16.4	344
254	Time-resolved FRET biosensor based on amine-functionalized lanthanide-doped NaYF4 nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 6306-10	16.4	283
253	Optical Spectroscopy of Eu3+ Doped ZnO Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 686-693		207
252	Amine-functionalized lanthanide-doped zirconia nanoparticles: optical spectroscopy, time-resolved fluorescence resonance energy transfer biodetection, and targeted imaging. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15083-90	16.4	203
251	The standard and anomalous crystal-field spectra of Eu3+. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 419-428	3.3	199
250	Poly(Acrylic Acid) Modification of Nd3+-Sensitized Upconversion Nanophosphors for Highly Efficient UCL Imaging and pH-Responsive Drug Delivery. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 4717-4729	15.6	196
249	Breakdown of crystallographic site symmetry in lanthanide-doped NaYF4 crystals. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1128-33	16.4	185

248	Controlled Synthesis of Ag <sub>2</sub> S Quantum Dots and Experimental Determination of the Exciton Bohr Radius. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 4918-4923	3.8	170
247	Sub-10 nm lanthanide-doped CaF <sub>2</sub> nanoprobcs for time-resolved luminescent biodetection. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6671-6	16.4	168
246	Near-infrared-triggered photon upconversion tuning in all-inorganic cesium lead halide perovskite quantum dots. <i>Nature Communications</i> , <b>2018</b> , 9, 3462	17.4	156
245	Lanthanide-doped luminescent nano-bioprobes: from fundamentals to biodetection. <i>Nanoscale</i> , <b>2013</b> , 5, 1369-84	7.7	153
244	Multifunctional Nano-Bioprobes Based on Rattle-Structured Upconverting Luminescent Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7915-9	16.4	136
243	Bilayered Hybrid Perovskite Ferroelectric with Giant Two-Photon Absorption. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6806-6809	16.4	131
242	Polarized three-photon-pumped laser in a single MOF microcrystal. <i>Nature Communications</i> , <b>2016</b> , 7, 11087	17.4	129
241	Controlled syntheses of cubic and hexagonal ZnIn <sub>2</sub> S <sub>4</sub> nanostructures with different visible-light photocatalytic performance. <i>Dalton Transactions</i> , <b>2011</b> , 40, 2607-13	4.3	127
240	Lanthanide-doped upconversion nanoparticles electrostatically coupled with photosensitizers for near-infrared-triggered photodynamic therapy. <i>Nanoscale</i> , <b>2014</b> , 6, 8274-82	7.7	121
239	Energy levels, fluorescence lifetime and Judd-Ofelt parameters of Eu <sup>3+</sup> -in Gd <sub>2</sub> O <sub>3</sub> nanocrystals. <i>Nanotechnology</i> , <b>2007</b> , 18, 255704	3.4	120
238	Restricted Phonon Relaxation and Anomalous Thermalization of Rare Earth Ions in Nanocrystals. <i>Nano Letters</i> , <b>2002</b> , 2, 535-539	11.5	119
237	Frequency-upconverted stimulated emission by simultaneous five-photon absorption. <i>Nature Photonics</i> , <b>2013</b> , 7, 234-239	33.9	114
236	Plasmonic enhancement and polarization dependence of nonlinear upconversion emissions from single gold nanorod@SiO <sub>2</sub> @CaF <sub>2</sub> :Yb,Er hybrid core-shell-satellite nanostructures. <i>Light: Science and Applications</i> , <b>2017</b> , 6, e16217	16.7	110
235	Autofluorescence-Free Targeted Tumor Imaging Based on Luminous Nanoparticles with Composition-Dependent Size and Persistent Luminescence. <i>ACS Nano</i> , <b>2017</b> , 11, 8010-8017	16.7	110
234	Evidence of Trivalent Europium Incorporated in Anatase TiO <sub>2</sub> Nanocrystals with Multiple Sites. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 10370-10377	3.8	108
233	Optical Spectroscopy of Eu <sup>3+</sup> -Doped BaFCl Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 2309-2315	9.23	107
232	Synergetic spin crossover and fluorescence in one-dimensional hybrid complexes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1574-7	16.4	105
231	Lanthanide-doped LiYF <sub>4</sub> nanoparticles: Synthesis and multicolor upconversion tuning. <i>Comptes Rendus Chimie</i> , <b>2010</b> , 13, 731-736	2.7	105

230	Intense near-infrared-II luminescence from NaCeF:Er/Yb nanoprobe for bioassay and bioimaging. <i>Chemical Science</i> , <b>2018</b> , 9, 4682-4688	9.4	103
229	Hydrolysis of uranium(VI) at variable temperatures (10-85 degrees C). <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 5515-22	16.4	101
228	Lanthanide-doped multicolor GdF <sub>3</sub> nanocrystals for time-resolved photoluminescent biodetection. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 8549-54	4.8	100
227	Er <sup>3+</sup> -doped anatase TiO <sub>2</sub> nanocrystals: crystal-field levels, excited-state dynamics, upconversion, and defect luminescence. <i>Small</i> , <b>2011</b> , 7, 3046-56	11	99
226	Rechargeable and LED-activated ZnGaO:Cr near-infrared persistent luminescence nanoprobe for background-free biodetection. <i>Nanoscale</i> , <b>2017</b> , 9, 6846-6853	7.7	98
225	One-Dimensional Luminous Nanorods Featuring Tunable Persistent Luminescence for Autofluorescence-Free Biosensing. <i>ACS Nano</i> , <b>2017</b> , 11, 8185-8191	16.7	97
224	Determination of Judd-Ofelt intensity parameters from the excitation spectra for rare-earth doped luminescent materials. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 3276-82	3.6	95
223	Host-Sensitized Luminescence of Nd <sup>3+</sup> and Sm <sup>3+</sup> Ions Incorporated in Anatase Titania Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8772-8777	3.8	95
222	Broadband Extrinsic Self-Trapped Exciton Emission in Sn-Doped 2D Lead-Halide Perovskites. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806385	24	94
221	Lanthanide-doped luminescent nano-bioprobes for the detection of tumor markers. <i>Nanoscale</i> , <b>2015</b> , 7, 4274-90	7.7	93
220	Single-composition white-emitting NaSrBO <sub>3</sub> :Ce <sup>3+</sup> ,Sm <sup>3+</sup> ,Tb <sup>3+</sup> phosphors for NUV light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 7286-7293	7.1	82
219	Spectroscopic evidence of the multiple-site structure of Eu(3+) ions incorporated in ZnO nanocrystals. <i>Optics Letters</i> , <b>2007</b> , 32, 566-8	3	82
218	Luminescent biodetection based on lanthanide-doped inorganic nanoprobe. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 273-274, 13-29	23.2	81
217	A New Cubic Phase for a NaYF <sub>4</sub> Host Matrix Offering High Upconversion Luminescence Efficiency. <i>Advanced Materials</i> , <b>2015</b> , 27, 5528-33	24	80
216	General Mild Reaction Creates Highly Luminescent Organic-Ligand-Lacking Halide Perovskite Nanocrystals for Efficient Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15423-15432	16.4	79
215	Eu <sup>3+</sup> doped KYF <sub>4</sub> nanocrystals: synthesis, electronic structure, and optical properties. <i>Nanoscale</i> , <b>2011</b> , 3, 3164-9	7.7	79
214	Tumor Marker Detection: Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes (Adv. Sci. 11/2016). <i>Advanced Science</i> , <b>2016</b> , 3,	13.6	78
213	Confinement on energy transfer between luminescent centers in nanocrystals. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 5559-5565	2.5	78

212	Effects of phonon confinement on the luminescence dynamics of Eu <sup>3+</sup> in Gd <sub>2</sub> O <sub>3</sub> nanotubes. <i>Nanotechnology</i> , <b>2007</b> , 18, 015403	3.4	77
211	Energy Levels and Optical Spectroscopy of Er <sup>3+</sup> in Gd <sub>2</sub> O <sub>3</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 10404-10411	3.8	77
210	Manganese-Doped Ag <sub>2</sub> S-ZnS Heteronanostructures. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2407-2413	9.6	76
209	Controlled synthesis and optical spectroscopy of lanthanide-doped KLaF <sub>4</sub> nanocrystals. <i>Nanoscale</i> , <b>2012</b> , 4, 4485-91	7.7	74
208	Time-resolved luminescent biosensing based on inorganic lanthanide-doped nanoprobcs. <i>Chemical Communications</i> , <b>2015</b> , 51, 4129-43	5.8	73
207	Moisture-Resistant Mn -Doped Core-Shell-Structured Fluoride Red Phosphor Exhibiting High Luminous Efficacy for Warm White Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3843-3847	16.4	71
206	Minimizing the Heat Effect of Photodynamic Therapy Based on Inorganic Nanocomposites Mediated by 808 nm Near-Infrared Light. <i>Small</i> , <b>2017</b> , 13, 1700038	11	70
205	Lanthanide-doped NaScF <sub>4</sub> nanoprobcs: crystal structure, optical spectroscopy and biodetection. <i>Nanoscale</i> , <b>2013</b> , 5, 6430-8	7.7	70
204	Anomalous luminescence dynamics of Eu <sup>3+</sup> in BaFCl microcrystals. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	70
203	Full-Spectrum Persistent Luminescence Tuning Using All-Inorganic Perovskite Quantum Dots. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6943-6947	16.4	69
202	Eu <sup>3+</sup> -Doped In <sub>2</sub> O <sub>3</sub> Nanophosphors: Electronic Structure and Optical Characterization. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9314-9321	3.8	68
201	Near-infrared-triggered antibacterial and antifungal photodynamic therapy based on lanthanide-doped upconversion nanoparticles. <i>Nanoscale</i> , <b>2018</b> , 10, 15485-15495	7.7	65
200	Graphene-Oxide-Modified Lanthanide Nanoprobcs for Tumor-Targeted Visible/NIR-II Luminescence Imaging. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18981-18986	16.4	64
199	Large-scale synthesis of uniform lanthanide-doped NaREF upconversion/downshifting nanoprobcs for bioapplications. <i>Nanoscale</i> , <b>2018</b> , 10, 11477-11484	7.7	64
198	Sub-5 nm lanthanide-doped lutetium oxyfluoride nanoprobcs for ultrasensitive detection of prostate specific antigen. <i>Chemical Science</i> , <b>2016</b> , 7, 2572-2578	9.4	63
197	Visible-to-infrared quantum cutting by phonon-assisted energy transfer in YPO <sub>4</sub> :Tm(3+), Yb(3+) phosphors. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 6974-80	3.6	63
196	Preferential Neighboring Substitution-Triggered Full Visible Spectrum Emission in Single-Phased CaMg (PO):Eu Phosphors for High Color-Rendering White LEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 33322-33334	9.5	62
195	Unraveling the Electronic Structures of Neodymium in LiLuF Nanocrystals for Ratiometric Temperature Sensing. <i>Advanced Science</i> , <b>2019</b> , 6, 1802282	13.6	61

194	Up-conversion luminescence in LaF <sub>3</sub> :Ho <sup>3+</sup> via two-wavelength excitation for use in solar cells. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 8023	7.1	60
193	upconverting/downshifting luminescent detection of tumor markers based on Eu-activated core-shell-shell lanthanide nanoprobcs. <i>Chemical Science</i> , <b>2016</b> , 7, 5013-5019	9.4	59
192	Comparison of optical spectra of Nd <sup>3+</sup> in NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (NAB), Nd:GdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (NGAB) and Nd:Gd <sub>0.2</sub> Y <sub>0.8</sub> Al <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (NGYAB) crystals. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 1171-1178	1.8	58
191	Near-Infrared Light-Mediated Photodynamic Therapy Nanoplatform by the Electrostatic Assembly of Upconversion Nanoparticles with Graphitic Carbon Nitride Quantum Dots. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 10267-10277	5.1	57
190	Lanthanide-doped semiconductor nanocrystals: electronic structures and optical properties. <i>Science China Materials</i> , <b>2015</b> , 58, 819-850	7.1	56
189	Confinement of electron-phonon interaction on luminescence dynamics in nanophosphors of Er <sup>3+</sup> :Y <sub>2</sub> O <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 171, 123-132	3.3	56
188	A New Class of Blue-LED-Excitable NIR-II Luminescent Nanoprobcs Based on Lanthanide-Doped CaS Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9556-9560	16.4	55
187	Plasmon-induced hyperthermia: hybrid upconversion NaYF <sub>4</sub> :Yb/Er and gold nanomaterials for oral cancer photothermal therapy. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 8293-8302	7.3	55
186	A novel tumor targeting drug carrier for optical imaging and therapy. <i>Theranostics</i> , <b>2014</b> , 4, 642-59	12.1	54
185	Optical spectroscopy of lanthanides doped in wide band-gap semiconductor nanocrystals. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 415-422	3.8	54
184	Near-infrared luminescence of Nd <sup>3+</sup> and Tm <sup>3+</sup> ions doped ZnO nanocrystals. <i>Optics Express</i> , <b>2009</b> , 17, 9748-53	3.3	54
183	A New Class of NIR-II Gold Nanocluster-Based Protein Biolabels for In Vivo Tumor-Targeted Imaging. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 1306-1312	16.4	54
182	Two-photon absorption and optical power limiting properties of ladder-type tetraphenylene cored chromophores with different terminal groups. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1771	7.1	53
181	Single 808 nm Laser Treatment Comprising Photothermal and Photodynamic Therapies by Using Gold Nanorods Hybrid Upconversion Particles. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 2402-2412	3.8	51
180	Cooperative and non-cooperative sensitization upconversion in lanthanide-doped LiYbF <sub>4</sub> nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 6521-6528	7.7	50
179	Lanthanide-doped near-infrared II luminescent nanoprobcs for bioapplications. <i>Science China Materials</i> , <b>2019</b> , 62, 1071-1086	7.1	49
178	Zinc phthalocyanine conjugated with the amino-terminal fragment of urokinase for tumor-targeting photodynamic therapy. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 4257-68	10.8	49
177	Encapsulation and sensitization of UV-vis and near infrared lanthanide hydrate emitters for dual- and bimodal-emissions in both air and aqueous media based on a porous heteroatom-rich Cd(II)-framework. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 9629-35	5.1	49

176	Optical properties of Nd <sup>3+</sup> ion-doped ZnO nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 1871-6	1.3	49
175	A strategy for accurate detection of glucose in human serum and whole blood based on an upconversion nanoparticles-polydopamine nanosystem. <i>Nano Research</i> , <b>2018</b> , 11, 3164-3174	10	48
174	Europium-activated luminescent nanoprobe: From fundamentals to bioapplications. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 378, 104-120	23.2	46
173	Chiral crystallization of aromatic helical foldamers via complementarities in shape and end functionalities. <i>Chemical Science</i> , <b>2012</b> , 3, 2042	9.4	45
172	Poly (acrylic acid)-capped lanthanide-doped BaFCl nanocrystals: synthesis and optical properties. <i>Nanoscale</i> , <b>2010</b> , 2, 1208-12	7.7	44
171	Photon upconversion in Yb <sup>3+</sup> /Tb <sup>3+</sup> and Yb <sup>3+</sup> /Eu <sup>3+</sup> activated core/shell nanoparticles with dual-band excitation. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4186-4192	7.1	44
170	Chameleon-like optical behavior of lanthanide-doped fluoride nanoplates for multilevel anti-counterfeiting applications. <i>Nano Research</i> , <b>2019</b> , 12, 1417-1422	10	43
169	Inorganic lanthanide nanoprobe for background-free luminescent bioassays. <i>Science China Materials</i> , <b>2015</b> , 58, 156-177	7.1	43
168	Optical/magnetic multimodal bioprobes based on lanthanide-doped inorganic nanocrystals. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 5516-27	4.8	43
167	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. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10834-10841	7.8	43
166	Optical properties and luminescence dynamics of Eu <sup>3+</sup> -doped terbium orthophosphate nanophosphors. <i>Nanotechnology</i> , <b>2011</b> , 22, 275701	3.4	43
165	Microwave hydrothermal synthesis and upconversion properties of NaYF <sub>4</sub> :Yb <sup>3+</sup> , Tm <sup>3+</sup> with microtube morphology. <i>Materials Letters</i> , <b>2009</b> , 63, 1023-1026	3.3	43
164	K <sub>2</sub> NaAlF <sub>6</sub> :Mn <sup>4+</sup> red phosphor: room-temperature synthesis and electronic/vibronic structures. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2069-2076	7.1	42
163	Lanthanide-Doped Luminescent Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , <b>2014</b> ,	0.3	42
162	Persistent luminescence from Eu(3+) in SnO <sub>2</sub> nanoparticles. <i>Nanoscale</i> , <b>2015</b> , 7, 11048-54	7.7	42
161	Ultrasensitive detection of cancer biomarker microRNA by amplification of fluorescence of lanthanide nanoprobe. <i>Nano Research</i> , <b>2018</b> , 11, 264-273	10	41
160	Colloidal Alloyed Quantum Dots with Enhanced Photoluminescence Quantum Yield in the NIR-II Window. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 2601-2607	16.4	41
159	From Nonluminescent to Blue-Emitting Cs PbBr Nanocrystals: Tailoring the Insulator Bandgap of 0D Perovskite through Sn Cation Doping. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900606	24	40



158	Breakdown of Crystallographic Site Symmetry in Lanthanide-Doped NaYF <sub>4</sub> Crystals. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 1166-1171	3.6	40
157	Analysis of energy level structure and excited-state dynamics in a Sm <sup>3+</sup> complex with soft-donor ligands: Sm(Et <sub>2</sub> Dtc) <sub>3</sub> (bipy). <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 13991-9	3.4	40
156	Lanthanide-doped disordered crystals: Site symmetry and optical properties. <i>Journal of Luminescence</i> , <b>2018</b> , 201, 255-264	3.8	39
155	Polarized spectral properties of Nd <sup>3+</sup> ions in CaYAlO <sub>4</sub> crystal. <i>Applied Physics B: Lasers and Optics</i> , <b>2010</b> , 101, 199-205	1.9	39
154	Manipulating energy transfer in lanthanide-doped single nanoparticles for highly enhanced upconverting luminescence. <i>Chemical Science</i> , <b>2017</b> , 8, 5050-5056	9.4	38
153	Optical Spectroscopy of Sm <sup>3+</sup> and Dy <sup>3+</sup> Doped ZnO Nanocrystals. <i>Spectroscopy Letters</i> , <b>2010</b> , 43, 343-349	3.8	38
152	Sub-10 nm Lanthanide-Doped CaF <sub>2</sub> Nanoprobes for Time-Resolved Luminescent Biodetection. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 6803-6808	3.6	37
151	Polarized spectral properties of Er <sup>3+</sup> ions in NaGd(WO <sub>4</sub> ) <sub>2</sub> crystal. <i>Applied Physics B: Lasers and Optics</i> , <b>2007</b> , 89, 73-80	1.9	37
150	Three reversible polymorphic copper(I) complexes triggered by ligand conformation: insights into polymorphic crystal habit and luminescent properties. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4200-7	5.1	36
149	Carrier-mediated 1.55 microm photoluminescence from single Er <sup>3+</sup> center in SnO <sub>2</sub> nanocrystals. <i>Optics Letters</i> , <b>2009</b> , 34, 1873-5	3	36
148	Characterization of laser crystal Yb:CaYAlO <sub>4</sub> . <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 1650	1.7	35
147	Eu <sup>3+</sup> -doped Ga <sub>2</sub> O <sub>3</sub> nanophosphors: annealing effect, electronic structure and optical spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 4411-9	3.6	35
146	Chapter 233 Spectroscopic properties of lanthanides in nanomaterials. <i>Fundamental Theories of Physics</i> , <b>2007</b> , 99-169	0.8	35
145	The dynamic response of a flexible indium based metal-organic framework to gas sorption. <i>Chemical Communications</i> , <b>2016</b> , 52, 2277-80	5.8	34
144	Broadband Cr <sup>3+</sup> -sensitized upconversion luminescence in La <sub>3</sub> Ga <sub>5</sub> GeO <sub>14</sub> : Cr <sup>3+</sup> , Yb <sup>3+</sup> , Er <sup>3+</sup> . <i>Optical Materials Express</i> , <b>2014</b> , 4, 638	2.6	34
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142	A CW blue laser emission by self-sum-frequency-mixing in Nd <sup>3+</sup> :GdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> crystal. <i>Optics Communications</i> , <b>2002</b> , 208, 163-166	2	33
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137	Unveiling the Excited-State Dynamics of Mn in 0D CsPbCl Perovskite Nanocrystals. <i>Advanced Science</i> , <b>2020</b> , 7, 2002210	13.6	32
136	Direct Detection of Circulating Tumor Cells in Whole Blood Using Time-Resolved Luminescent Lanthanide Nanoprobes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12195-12199	16.4	31
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20	Surface Modification Chemistry of Lanthanide-Doped Nanoparticles. <i>Nanomedicine and Nanotoxicology</i> , <b>2014</b> , 59-74	0.3	1
19	Optical Spectroscopy of Lanthanide-Doped Nanoparticles. <i>Nanomedicine and Nanotoxicology</i> , <b>2014</b> , 75-103		1
18	Low cytotoxicity porous Nd <sub>2</sub> (SiO <sub>4</sub> ) <sub>3</sub> nanoparticles with near infrared excitation and emission. <i>Nanotechnology</i> , <b>2011</b> , 22, 185703	3.4	1
17	Effect of silica nanoparticles on reinforcement of poly(phenylene ether) based thermoplastic elastomer. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 2114-26	1.3	1
16	Modeling of self-frequency-conversion lasers in rare-earth doped optical superlattice crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2002</b> , 19, 1067	1.7	1
15	Blue-LED-excitable NIR-II luminescent lanthanide-doped SrS nanoprobe for ratiometric thermal sensing. <i>Science China Materials</i> , <b>2021</b> , 14, 1000-1005	7.1	1



14	Size Effect on the Luminescence of Lanthanide Ions in Nanoparticles. <i>Nanomedicine and Nanotoxicology</i> , <b>2014</b> , 17-42	0.3	1
13	Enhancing multiphoton upconversion emissions through confined energy migration in lanthanide-doped CsNaYF nanoplalelets. <i>Nanoscale</i> , <b>2021</b> , 13, 9766-9772	7.7	1
12	Rapid and accurate detection of phosphate in complex biological fluids based on highly improved antenna sensitization of lanthanide luminescence. <i>Talanta</i> , <b>2021</b> , 231, 122243	6.2	1
11	Synergistic Lysozyme-Photodynamic Therapy Against Resistant Bacteria based on an Intelligent Upconversion Nanoplatform. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19350-19355	3.6	1
10	Recent progress on the spectroscopy of rare earth ions in core-shells, nanowires, nanotubes, and other novel nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 1126-37	1.3	1
9	A Novel Near-infrared Responsive Lanthanide Upconversion Nanoplatform for Drug Delivery Based on Photocleavage of Cypate?. <i>Acta Chimica Sinica</i> , <b>2022</b> , 80, 423	3.3	1
8	Development of Rofecoxib-Based Fluorophores from ACQ to AIE by Positional Regioisomerization.. <i>ChemPlusChem</i> , <b>2022</b> , e202100522	2.8	0
7	Lanthanide-Doped Upconversion Nanoprobes <b>2016</b> , 237-287		
6	Reply to Comment on Breakdown of Crystallographic Site Symmetry in Lanthanide-Doped NaYF <sub>4</sub> Crystals <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1091-1092	3.6	
5	Multimodal Biosensing Based on Lanthanide-Doped Nano-bioprobes. <i>Nanomedicine and Nanotoxicology</i> , <b>2014</b> , 165-187	0.3	
4	Precise Molecular Design of a Pair of New Regioisomerized Fluorophores With Opposite Fluorescent Properties.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 823519	5	
3	Lanthanide nanoparticles ignite dark molecular triplets. <i>Science China Chemistry</i> , <b>2021</b> , 64, 511-512	7.9	
2	Polarized Upconversion Luminescence from a Single NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> Microrod for Orientation Tracking?. <i>Acta Chimica Sinica</i> , <b>2022</b> , 80, 244	3.3	
1	Development of a new type of multi-functional mechanochromic luminescence material by infusing a phenyl rotator into the structure of 3,4-diphenylmaleic anhydride. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 6765-6774	3.6	