

Lin Xu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/397932/lin-xu-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

284
papers

12,871
citations

63
h-index

98
g-index

293
ext. papers

15,063
ext. citations

8.3
avg, IF

6.61
L-index

#	Paper	IF	Citations
284	Nanowire electrodes for electrochemical energy storage devices. <i>Chemical Reviews</i> , 2014 , 114, 11828-6268.1	68.1	552
283	Doping Lanthanide into Perovskite Nanocrystals: Highly Improved and Expanded Optical Properties. <i>Nano Letters</i> , 2017 , 17, 8005-8011	11.5	447
282	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. <i>Nature Communications</i> , 2015 , 6, 7402	17.4	320
281	Size-Dependent Upconversion Luminescence in Er ³⁺ /Yb ³⁺ -Codoped Nanocrystalline Yttria: Saturation and Thermal Effects. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13611-13617	3.8	283
280	Cerium and Ytterbium Codoped Halide Perovskite Quantum Dots: A Novel and Efficient Downconverter for Improving the Performance of Silicon Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1704149	14.9	252
279	Synthesis of graphene oxide based CuO nanoparticles composite electrode for highly enhanced nonenzymatic glucose detection. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12928-34	9.5	204
278	Free-standing kinked nanowire transistor probes for targeted intracellular recording in three dimensions. <i>Nature Nanotechnology</i> , 2014 , 9, 142-7	28.7	197
277	Local Field Modulation Induced Three-Order Upconversion Enhancement: Combining Surface Plasmon Effect and Photonic Crystal Effect. <i>Advanced Materials</i> , 2016 , 28, 2518-25	24	192
276	Hydrolytically Stable Luminescent Cationic Metal Organic Framework for Highly Sensitive and Selective Sensing of Chromate Anions in Natural Water Systems. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16448-16457	9.5	182
275	NiO@ZnO heterostructured nanotubes: coelectrospinning fabrication, characterization, and highly enhanced gas sensing properties. <i>Inorganic Chemistry</i> , 2012 , 51, 7733-40	5.1	172
274	Upconversion luminescence, intensity saturation effect, and thermal effect in Gd ₂ O ₃ :Er ³⁺ ,Yb ³⁺ nanowires. <i>Journal of Chemical Physics</i> , 2005 , 123, 174710	3.9	166
273	Spontaneous Silver Doping and Surface Passivation of CsPbI Perovskite Active Layer Enable Light-Emitting Devices with an External Quantum Efficiency of 11.2. <i>ACS Energy Letters</i> , 2018 , 3, 1571-1577	20.1	165
272	A novel mechanism for red emission carbon dots: hydrogen bond dominated molecular states emission. <i>Nanoscale</i> , 2017 , 9, 13042-13051	7.7	163
271	Multifunctional NaYF ₄ : Yb ³⁺ ,Er ³⁺ @Ag core/shell nanocomposites: integration of upconversion imaging and photothermal therapy. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6193		159
270	Preparation and Gas Sensing Properties of In ₂ O ₃ /Au Nanorods for Detection of Volatile Organic Compounds in Exhaled Breath. <i>Scientific Reports</i> , 2015 , 5, 10717	4.9	149
269	Luminescent Properties of LaPO ₄ :Eu Nanoparticles and Nanowires. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16697-16702	3.4	141
268	Self-adaptive strain-relaxation optimization for high-energy lithium storage material through crumpling of graphene. <i>Nature Communications</i> , 2014 , 5, 4565	17.4	128

267	Observation of Considerable Upconversion Enhancement Induced by Cu ₂ -xS Plasmon Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 5169-79	16.7	127
266	Ultrasensitive non-enzymatic glucose sensor based on three-dimensional network of ZnO-CuO hierarchical nanocomposites by electrospinning. <i>Scientific Reports</i> , 2014 , 4, 7382	4.9	117
265	Temperature-dependent upconversion luminescence and dynamics of NaYF ₄ :Yb ³⁺ /Er ³⁺ nanocrystals: influence of particle size and crystalline phase. <i>Dalton Transactions</i> , 2014 , 43, 6139-47	4.3	117
264	Electrospinning preparation and room temperature gas sensing properties of porous In ₂ O ₃ nanotubes and nanowires. <i>Sensors and Actuators B: Chemical</i> , 2010 , 147, 531-538	8.5	116
263	Large Upconversion Enhancement in the Islands/Au/Ag Alloy/NaYF ₄ : Yb ³⁺ , Tm ³⁺ /Er ³⁺ Composite Films, and Fingerprint Identification. <i>Advanced Functional Materials</i> , 2015 , 25, 5462-5471	15.6	114
262	Electronic transition and energy transfer processes in LaPO ₄ -Ce ³⁺ /Tb ³⁺ nanowires. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 11450-5	3.4	114
261	Temperature dependence of luminescent spectra and dynamics in nanocrystalline Y ₂ O ₃ :Eu ³⁺ . <i>Journal of Chemical Physics</i> , 2003 , 118, 3277-3282	3.9	112
260	ZnO@SnO ₂ nanotubes surface engineered by Ag nanoparticles: synthesis, characterization, and highly enhanced HCHO gas sensing properties. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2174	7.1	111
259	Luminescent properties of pure cubic phase Y ₂ O ₃ /Eu ³⁺ nanotubes/nanowires prepared by a hydrothermal method. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15236-42	3.4	109
258	Au-modified three-dimensional In ₂ O ₃ inverse opals: synthesis and improved performance for acetone sensing toward diagnosis of diabetes. <i>Nanoscale</i> , 2015 , 7, 13051-60	7.7	105
257	White light emission in Bi/Mn ion co-doped CsPbCl perovskite nanocrystals. <i>Nanoscale</i> , 2018 , 10, 1023-1029	10.29	104
256	A sensitive photoelectrochemical biosensor for AFP detection based on ZnO inverse opal electrodes with signal amplification of CdS-QDs. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 411-7	11.8	97
255	Electrospinning Preparation and Luminescence Properties of Europium Complex/Polymer Composite Fibers. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9155-9162	3.8	96
254	Inverted perovskite solar cells employing doped NiO hole transport layers: A review. <i>Nano Energy</i> , 2019 , 63, 103860	17.1	95
253	Electrospinning Preparation, Structure, and Photoluminescence Properties of YBO ₃ :Eu ³⁺ Nanotubes and Nanowires. <i>Chemistry of Materials</i> , 2008 , 20, 4762-4767	9.6	95
252	Photoluminescence Properties of ZnWO ₄ :Eu ³⁺ Nanocrystals Prepared by a Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7586-7592	3.8	94
251	Light-induced change of charge transfer band in nanocrystalline Y ₂ O ₃ :Eu ³⁺ . <i>Applied Physics Letters</i> , 2002 , 81, 1776-1778	3.4	90
250	Influence of the TGA Modification on Upconversion Luminescence of Hexagonal-Phase NaYF ₄ :Yb ³⁺ , Er ³⁺ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8219-8226	3.8	89

249	Multifunctional Au@mSiO ₂ /rhodamine B isothiocyanate nanocomposites: cell imaging, photocontrolled drug release, and photothermal therapy for cancer cells. <i>Small</i> , 2013 , 9, 604-12	11	87
248	Preparation and bifunctional gas sensing properties of porous In ₂ O ₃ -CeO ₂ binary oxide nanotubes. <i>Inorganic Chemistry</i> , 2010 , 49, 10590-7	5.1	85
247	Long-Lasting Nanophosphors Applied to UV-Resistant and Energy Storage Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700758	21.8	83
246	Porous In ₂ O ₃ :RE (RE = Gd, Tb, Dy, Ho, Er, Tm, Yb) Nanotubes: Electrospinning Preparation and Room Gas-Sensing Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9089-9095	3.8	82
245	A highly sensitive and moisture-resistant gas sensor for diabetes diagnosis with Pt@In ₂ O ₃ nanowires and a molecular sieve for protection. <i>NPG Asia Materials</i> , 2018 , 10, 293-308	10.3	81
244	Enhanced Performance of Perovskite Solar Cells with Zinc Chloride Additives. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42875-42882	9.5	81
243	Trap State Passivation by Rational Ligand Molecule Engineering toward Efficient and Stable Perovskite Solar Cells Exceeding 23% Efficiency. <i>Advanced Energy Materials</i> , 2021 , 11, 2100529	21.8	80
242	Upconversion manipulation by local electromagnetic field. <i>Nano Today</i> , 2017 , 17, 54-78	17.9	78
241	Spectrally Tunable Solid State Fluorescence and Room-Temperature Phosphorescence of Carbon Dots Synthesized via Seeded Growth Method. <i>Advanced Optical Materials</i> , 2019 , 7, 1801599	8.1	77
240	Three-dimensional ordered ZnO@TiO ₂ inverse opals toward low concentration acetone detection for exhaled breath sensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 211, 255-262	8.5	77
239	Europium-Doped Lead-Free Cs ₃ Bi ₂ Br ₉ Perovskite Quantum Dots and Ultrasensitive Cu ²⁺ Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8397-8404	8.3	76
238	Considerably enhanced exciton emission of CsPbCl ₃ perovskite quantum dots by the introduction of potassium and lanthanide ions. <i>Nanoscale</i> , 2018 , 10, 14067-14072	7.7	76
237	Remarkable enhancement of upconversion fluorescence and confocal imaging of PMMA Opal/NaYF ₄ :Yb(3+), Tm(3+)/Er(3+) nanocrystals. <i>Chemical Communications</i> , 2013 , 49, 3781-3	5.8	76
236	Plasmonic Photonic Crystals Induced Two-Order Fluorescence Enhancement of Blue Perovskite Nanocrystals and Its Application for High-Performance Flexible Ultraviolet Photodetectors. <i>Advanced Functional Materials</i> , 2018 , 28, 1804429	15.6	75
235	Carbon dots with efficient solid-state photoluminescence towards white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11416-11420	7.1	74
234	APTES-functionalized thin-walled porous WO ₃ nanotubes for highly selective sensing of NO ₂ in a polluted environment. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10976-10989	13	74
233	Novel Energy-Transfer Route and Enhanced Luminescent Properties in YVO ₄ :Eu ³⁺ /YBO ₃ :Eu ³⁺ Composite. <i>Chemistry of Materials</i> , 2006 , 18, 4526-4532	9.6	74
232	Engineered IrO ₂ @NiO Core-Shell Nanowires for Sensitive Non-enzymatic Detection of Trace Glucose in Saliva. <i>Analytical Chemistry</i> , 2016 , 88, 12346-12353	7.8	73

231	A novel strategy for improving upconversion luminescence of NaYF ₄ :Yb, Er nanocrystals by coupling with hybrids of silver plasmon nanostructures and poly(methyl methacrylate) photonic crystals. <i>Nano Research</i> , 2013 , 6, 795-807	10	73
230	Ag nanoparticles coated NiO nanowires hierarchical nanocomposites electrode for nonenzymatic glucose biosensing. <i>Sensors and Actuators B: Chemical</i> , 2013 , 182, 675-681	8.5	73
229	Controllable Synthesis and Size-Dependent Luminescent Properties of YVO ₄ :Eu ³⁺ Nanospheres and Microspheres. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14018-14024	3.8	73
228	Electrospinning Preparation and Photoluminescence Properties of Rare-Earth Complex/Polymer Composite Fibers. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6524-6527	3.8	71
227	Phase transition, size control and color tuning of NaREF ₄ :Yb ³⁺ , Er ³⁺ (RE = Y, Lu) nanocrystals. <i>Nanoscale</i> , 2013 , 5, 3412-20	7.7	69
226	Highly enhanced gas sensing properties of porous SnO ₂ /TeO ₂ composite nanofibers prepared by electrospinning. <i>Sensors and Actuators B: Chemical</i> , 2013 , 185, 231-237	8.5	68
225	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
224	Synergistic Upconversion Enhancement Induced by Multiple Physical Effects and an Angle-Dependent Anticounterfeit Application. <i>Chemistry of Materials</i> , 2017 , 29, 6799-6809	9.6	65
223	Efficient and Stable CsPb(Br/I)@Anthracene Composites for White Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16768-16775	9.5	64
222	Radio Frequency Magnetron Sputtering Deposition of TiO ₂ Thin Films and Their Perovskite Solar Cell Applications. <i>Scientific Reports</i> , 2015 , 5, 17684	4.9	64
221	Synthesis of Au/graphene oxide composites for selective and sensitive electrochemical detection of ascorbic acid. <i>Scientific Reports</i> , 2014 , 4, 7515	4.9	63
220	Bright Blue Light Emission of Ni Ion-Doped CsPbClBr Perovskite Quantum Dots Enabling Efficient Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14195-14202	9.5	63
219	Modulation of upconversion luminescence in Er ³⁺ , Yb ³⁺ -codoped lanthanide oxyfluoride (YOF, GdOF, LaOF) inverse opals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4186	7.1	62
218	Samarium-Doped Metal Halide Perovskite Nanocrystals for Single-Component Electroluminescent White Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2020 , 5, 2131-2139	20.1	61
217	Zinc oxide inverse opal electrodes modified by glucose oxidase for electrochemical and photoelectrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 350-7	11.8	61
216	Enhanced Performance and Photostability of Perovskite Solar Cells by Introduction of Fluorescent Carbon Dots. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14518-14524	9.5	59
215	Impurity Ions Codoped Cesium Lead Halide Perovskite Nanocrystals with Bright White Light Emission toward Ultraviolet-White Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39040-39048	9.5	58
214	Electrospinning Preparation and Photoluminescence Properties of Lanthanum Phosphate Nanowires and Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9609-9615	3.8	56

213	Structure and Upconversion Luminescence of Hydrothermal PbWO ₄ :Er ³⁺ , Yb ³⁺ Powders. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19694-19698	3.8	56
212	Amphiphilic silane modified NaYF ₄ :Yb,Er loaded with Eu(TTA) ₃ (TPPO) ₂ nanoparticles and their multi-functions: dual mode temperature sensing and cell imaging. <i>Nanoscale</i> , 2013 , 5, 8541-9	7.7	54
211	Ultra-broad plasma resonance enhanced multicolor emissions in an assembled Ag/NaYF ₄ :Yb,Er nano-film. <i>Nanoscale</i> , 2012 , 4, 6971-3	7.7	54
210	Selective photothermal therapy for breast cancer with targeting peptide modified gold nanorods. <i>Dalton Transactions</i> , 2012 , 41, 11134-44	4.3	54
209	Three-dimensional ordered ZnO@Fe ₃ O ₄ inverse opal gas sensor toward trace concentration acetone detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 367-374	8.5	53
208	Dual Interfacial Modification Engineering with 2D MXene Quantum Dots and Copper Sulphide Nanocrystals Enabled High-Performance Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 2003295	15.6	53
207	Microstructure and optical properties of Eu ³⁺ activated YV _{1-x} PxO ₄ phosphors. <i>Journal of Applied Physics</i> , 2008 , 104, 084910	2.5	53
206	Electrospun three-dimensional porous CuO/TiO ₂ hierarchical nanocomposites electrode for nonenzymatic glucose biosensing. <i>Electrochemistry Communications</i> , 2012 , 20, 75-78	5.1	51
205	Luminescent enhancement in europium-doped yttria nanotubes coated with yttria. <i>Applied Physics Letters</i> , 2006 , 88, 143104	3.4	51
204	Plasmon-Enhanced Upconversion Luminescence on Vertically Aligned Gold Nanorod Monolayer Supercrystals. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11667-74	9.5	51
203	Highly enhanced long time stability of perovskite solar cells by involving a hydrophobic hole modification layer. <i>Nano Energy</i> , 2017 , 32, 165-173	17.1	50
202	Graphene quantum dot-functionalized three-dimensional ordered mesoporous ZnO for acetone detection toward diagnosis of diabetes. <i>Nanoscale</i> , 2019 , 11, 11496-11504	7.7	50
201	In Situ Investigation of Li and Na Ion Transport with Single Nanowire Electrochemical Devices. <i>Nano Letters</i> , 2015 , 15, 3879-84	11.5	49
200	All-inorganic perovskite quantum dot/TiO ₂ inverse opal electrode platform: stable and efficient photoelectrochemical sensing of dopamine under visible irradiation. <i>Nanoscale</i> , 2018 , 10, 10505-10513	7.7	49
199	Semiconductor plasmon-sensitized broadband upconversion and its enhancement effect on the power conversion efficiency of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16559-16567	13	48
198	Chiral electronic transitions of YVO ₄ :Eu ³⁺ nanoparticles in cellulose based photonic materials with circularly polarized excitation. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3384-3390	7.1	48
197	YVO ₄ :Eu ³⁺ ,Bi ³⁺ UV to visible conversion nano-films used for organic photovoltaic solar cells. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12331		48
196	Impact of Host Composition, Codoping, or Tridoping on Quantum-Cutting Emission of Ytterbium in Halide Perovskite Quantum Dots and Solar Cell Applications. <i>Nano Letters</i> , 2019 , 19, 6904-6913	11.5	47

195	Wire-in-Tube IrOx Architectures: Alternative Label-Free Immunosensor for Amperometric Immunoassay toward α -Fetoprotein. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22719-26	9.5	47
194	Three-Dimensionally Ordered Macroporous ZrO ₂ :Eu ³⁺ : Photonic Band Effect and Local Environments. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5906-5911	3.8	47
193	Semiconductor Plasmon Induced Up-Conversion Enhancement in mCuS@SiO ₂ @YO:Yb/Er Core-Shell Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35226-35233	9.5	46
192	Effective blue-violet photoluminescence through lanthanum and fluorine ions co-doping for CsPbCl ₃ perovskite quantum dots. <i>Nanoscale</i> , 2019 , 11, 2484-2491	7.7	45
191	Noninvasive temperature monitoring for dual-modal tumor therapy based on lanthanide-doped up-conversion nanocomposites. <i>Biomaterials</i> , 2019 , 201, 42-52	15.6	45
190	Broad White Light and Infrared Emission Bands in YVO ₄ :Yb ³⁺ ,Ln ³⁺ (Ln ³⁺ = Er ³⁺ , Tm ³⁺ , or Ho ³⁺). <i>Applied Physics Express</i> , 2012 , 5, 092701	2.4	44
189	Carrier Interfacial Engineering by Bismuth Modification for Efficient and Thermoresistant Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1703659	21.8	43
188	Ag-SiO ₂ /Er ³⁺ Nanocomposites: highly effective upconversion luminescence at high power excitation and high temperature. <i>Scientific Reports</i> , 2014 , 4, 5087	4.9	42
187	Modified spontaneous emissions of europium complex in weak PMMA opals. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18023-30	3.6	42
186	Highly Luminescent YVO ₄ Eu ³⁺ Nanocrystals Coating on Wirelike Y(OH) ₃ Eu ³⁺ and Y ₂ O ₃ Eu ³⁺ Microcrystals by Chemical Corrosion. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12472-12477	3.8	42
185	Three-dimensional ordered SnO ₂ inverse opals for superior formaldehyde gas-sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 235-241	8.5	41
184	Concentration-controlled emission in LaF ₃ :Yb ³⁺ /Tm ³⁺ nanocrystals: switching from UV to NIR regions. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24698		41
183	Inhibited Long-Scale Energy Transfer in Dysprosium Doped Yttrium Vanadate Inverse Opal. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2297-2302	3.8	41
182	Dual interfacial modifications by conjugated small-molecules and lanthanides doping for full functional perovskite solar cells. <i>Nano Energy</i> , 2018 , 53, 849-862	17.1	41
181	Understanding the noble metal modifying effect on In ₂ O ₃ nanowires: highly sensitive and selective gas sensors for potential early screening of multiple diseases. <i>Nanoscale Horizons</i> , 2019 , 4, 1361-1371	10.8	40
180	Yb ₂ O ₃ /Au Upconversion Nanocomposites with Broad-Band Excitation for Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3258-3265	3.8	40
179	Influence of Concentration Effect and Au Coating on Photoluminescence Properties of YVO ₄ :Eu ³⁺ Nanoparticle Colloids. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9975-9980	3.8	40
178	A sensitive label-free amperometric immunosensor for alpha-fetoprotein based on gold nanorods with different aspect ratio. <i>Scientific Reports</i> , 2015 , 5, 9939	4.9	39

177	320-fold luminescence enhancement of [Ru(dpp) ₃]Cl ₂ dispersed on PMMA opal photonic crystals and highly improved oxygen sensing performance. <i>Light: Science and Applications</i> , 2014 , 3, e209-e209	16.7	39
176	Super-intense white upconversion emission of Yb ₂ O ₃ polycrystals and its application on luminescence converter of dye-sensitized solar cells. <i>Optics Letters</i> , 2013 , 38, 3340-3	3	38
175	Preparation and upconversion luminescence of three-dimensionally ordered macroporous ZrO ₂ :Er ³⁺ , Yb ³⁺ . <i>Inorganic Chemistry</i> , 2008 , 47, 9654-9	5.1	37
174	Paper-based upconversion fluorescence resonance energy transfer biosensor for sensitive detection of multiple cancer biomarkers. <i>Scientific Reports</i> , 2016 , 6, 23406	4.9	37
173	Dye Sensitization and Local Surface Plasmon Resonance-Enhanced Upconversion Luminescence for Efficient Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24737-24746	9.5	35
172	Considerably enhanced perovskite solar cells via the introduction of metallic nanostructures. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6515-6521	13	34
171	High-Performance CsPbI ₃ Perovskite Solar Cells: Effectively Promoted Crystal Growth by Antisolvent and Organic Ion Strategies. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33868-33878	9.5	34
170	A novel upconversion luminescence derived photoelectrochemical immunoassay: ultrasensitive detection to alpha-fetoprotein. <i>Nanoscale</i> , 2017 , 9, 16357-16364	7.7	33
169	Controlled size and morphology, and phase transition of YF ₃ :Yb ³⁺ ,Er ³⁺ and YOF:Yb ³⁺ ,Er ³⁺ nanocrystals for fine color tuning. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 331-339	7.1	33
168	Fabrication of Au-Ag nanocage@NaYF ₄ @NaYF ₄ :Yb,Er Core-Shell Hybrid and its Tunable Upconversion Enhancement. <i>Scientific Reports</i> , 2017 , 7, 41079	4.9	32
167	Highly improved upconversion luminescence in NaGd(WO ₄) ₂ :Yb ³⁺ /Tm ³⁺ inverse opal photonic crystals. <i>Nanoscale</i> , 2015 , 7, 1363-73	7.7	32
166	Vertically stacked holey graphene/polyaniline heterostructures with enhanced energy storage for on-chip micro-supercapacitors. <i>Nano Research</i> , 2016 , 9, 1012-1021	10	32
165	NaYF ₄ :Yb ³⁺ ,Tm ³⁺ inverse opal photonic crystals and NaYF ₄ :Yb ³⁺ ,Tm ³⁺ /TiO ₂ composites: synthesis, highly improved upconversion properties and NIR photoelectric response. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 659-662	7.1	32
164	Fluorescence resonance energy transfer between NaYF ₄ :Yb,Tm upconversion nanoparticles and gold nanorods: Near-infrared responsive biosensor for streptavidin. <i>Journal of Luminescence</i> , 2014 , 147, 278-283	3.8	32
163	Tunable silica shell and its modification on photoluminescent properties of Y ₂ O ₃ :Eu ³⁺ @SiO ₂ nanocomposites. <i>Journal of Applied Physics</i> , 2012 , 111, 064312	2.5	32
162	CdS quantum dots modified CuO inverse opal electrodes for ultrasensitive electrochemical and photoelectrochemical biosensor. <i>Scientific Reports</i> , 2015 , 5, 10838	4.9	31
161	Novel nanoparticles of cerium-doped zeolitic imidazolate frameworks with dual benefits of antibacterial and anti-inflammatory functions against periodontitis. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 6955-6971	7.3	31
160	Nd ₂ O ₃ /Au nanocomposites: upconversion broadband emission and enhancement under near-infrared light excitation. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5857-5863	7.1	31

159	Carbon dots with efficient solid-state red-light emission through the step-by-step surface modification towards light-emitting diodes. <i>Dalton Transactions</i> , 2018 , 47, 3811-3818	4.3	30
158	Self-assembly, highly modified spontaneous emission and energy transfer properties of LaPO ₄ :Ce ³⁺ , Tb ³⁺ inverse opals. <i>Dalton Transactions</i> , 2013 , 42, 8049-57	4.3	30
157	Interfacial Engineering and Photon Downshifting of CsPbBr Nanocrystals for Efficient, Stable, and Colorful Vapor Phase Perovskite Solar Cells. <i>Advanced Science</i> , 2019 , 6, 1802046	13.6	29
156	Highly dispersed Metal-Organic-Framework-Derived Pt nanoparticles on three-dimensional macroporous ZnO for trace-level H ₂ S sensing. <i>Sensors and Actuators B: Chemical</i> , 2020 , 309, 127802	8.5	29
155	Huge upconversion luminescence enhancement by a cascade optical field modulation strategy facilitating selective multispectral narrow-band near-infrared photodetection. <i>Light: Science and Applications</i> , 2020 , 9, 184	16.7	29
154	Photon management to reduce energy loss in perovskite solar cells. <i>Chemical Society Reviews</i> , 2021 , 50, 7250-7329	58.5	29
153	Efficient rare earth co-doped TiO electron transport layer for high-performance perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 14-21	9.3	28
152	Highly sensitive and selective detection of mercury ions based on up-conversion FRET from NaYF ₄ :Yb ³⁺ /Er ³⁺ nanophosphors to CdTe quantum dots. <i>RSC Advances</i> , 2015 , 5, 99099-99106	3.7	28
151	Increasing the Efficiency of Organic Dye-Sensitized Solar Cells over 10.3% Using Locally Ordered Inverse Opal Nanostructures in the Photoelectrode. <i>Advanced Functional Materials</i> , 2018 , 28, 1706291	15.6	28
150	Facilely prepared carbon dots and rare earth ion doped hybrid composites for ratio-metric pH sensing and white-light emission. <i>RSC Advances</i> , 2016 , 6, 61468-61472	3.7	28
149	Highly modified spontaneous emissions in YVO ₄ :Eu ³⁺ inverse opal and refractive index sensing application. <i>Applied Physics Letters</i> , 2012 , 100, 081104	3.4	28
148	Fabrication and near-infrared photothermal conversion characteristics of Au nanoshells. <i>Applied Physics Letters</i> , 2005 , 86, 113109	3.4	28
147	Performance improvement of photoelectrochemical NO ₂ gas sensing at room temperature by BiVO ₄ -polyoxometalate nanocomposite photoanode. <i>Sensors and Actuators B: Chemical</i> , 2018 , 272, 289-295	8.5	28
146	Enhancing Photostability of Perovskite Solar Cells by Eu(TTA)(Phen)MAA Interfacial Modification. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11481-11487	9.5	27
145	Analysis of cross-reactive neutralizing antibodies in human HFMD serum with an EV71 pseudovirus-based assay. <i>PLoS ONE</i> , 2014 , 9, e100545	3.7	27
144	Highly Efficient and Stable Inorganic Perovskite Quantum Dots by Embedding into a Polymer Matrix. <i>ChemNanoMat</i> , 2019 , 5, 346-351	3.5	27
143	Rational Control of Size and Photoluminescence of WS Quantum Dots for White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43824-43830	9.5	27
142	Size-dependent downconversion near-infrared emission of NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2451-2458	7.1	26

141	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
140	Chiral nematic mesoporous films of Y ₂ O ₃ :Eu ³⁺ with tunable optical properties and modulated photoluminescence. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9189-9195	7.1	26
139	Self-assembly and modified luminescence properties of NaY(MoO ₄) ₂ Tb ³⁺ , Eu ³⁺ inverse opals. <i>Dalton Transactions</i> , 2014 , 43, 13293-8	4.3	26
138	Three-Dimensional Inverse Opal Photonic Crystal Substrates toward Efficient Capture of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30510-30518	9.5	26
137	Solvothermal synthesis and luminescence properties of monodisperse Gd ₂ O ₃ :Eu ³⁺ and Gd ₂ O ₃ :Eu ³⁺ @SiO ₂ nanospheres. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2779-2785	3.3	26
136	Photoelectrochemical detection of alpha-fetoprotein based on ZnO inverse opals structure electrodes modified by AgS nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 38400	4.9	26
135	Highly sensitive and selective acetone sensor based on three-dimensional ordered WO ₃ /Au nanocomposite with enhanced performance. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128405	8.5	25
134	High purity microfluidic sorting and in situ inactivation of circulating tumor cells based on multifunctional magnetic composites. <i>Biomaterials</i> , 2017 , 138, 69-79	15.6	24
133	Localized surface plasmon resonances in self-doped copper chalcogenide binary nanocrystals and their emerging applications. <i>Nano Today</i> , 2020 , 33, 100892	17.9	24
132	Broadband Plasmonic Antenna Enhanced Upconversion and Its Application in Flexible Fingerprint Identification. <i>Advanced Optical Materials</i> , 2018 , 6, 1701119	8.1	24
131	Three-dimensional In ₂ O ₃ /CuO inverse opals: synthesis and improved gas sensing properties towards acetone. <i>RSC Advances</i> , 2016 , 6, 57389-57395	3.7	24
130	Facile synthesis of controllable TiO ₂ composite nanotubes via templating route: Highly sensitive detection of toluene by double driving from Pt@ZnO NPs. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1676-1686	8.5	24
129	Downconversion from visible to near infrared through multi-wavelength excitation in Er ³⁺ /Yb ³⁺ co-doped NaYF ₄ nanocrystals. <i>Journal of Applied Physics</i> , 2011 , 110, 113113	2.5	24
128	Luminescent properties of YBO ₃ :Eu ³⁺ nanosheets and microstructural materials consisting of nanounits. <i>Journal of Luminescence</i> , 2007 , 122-123, 882-885	3.8	24
127	Au@ZnO functionalized three-dimensional macroporous WO ₃ : A application of selective H ₂ S gas sensor for exhaled breath biomarker detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 324, 128725	8.5	24
126	Plasmonic Cu _{1.8} S nanocrystals as saturable absorbers for passively Q-switched erbium-doped fiber lasers. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4034-4039	7.1	23
125	Remarkable Enhancement of Upconversion Luminescence on Cap-Ag/PMMA Ordered Platform and Trademark Anticounterfeiting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37128-37135	9.5	23
124	Strontium titanate nanoparticles as the photoanode for CdS quantum dot sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 4844-4852	3.7	23

123	Remarkable fluorescence enhancement in YVO ₄ :Eu ³⁺ @Ag nano-hybrids induced by interface effect. <i>RSC Advances</i> , 2012 , 2, 2047	3.7	23
122	Non-photobleaching YAG:Ce nanoparticles for optical imaging with blue excitation. <i>RSC Advances</i> , 2012 , 2, 3897	3.7	23
121	Incorporating of Lanthanides Ions into Perovskite Film for Efficient and Stable Perovskite Solar Cells. <i>Small</i> , 2020 , 16, e2001770	11	23
120	Amphiphilic Silane Modified Multifunctional Nanoparticles for Magnetically Targeted Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11451-11460	9.5	22
119	Upconversion ladder enabled super-sensitive narrowband near-infrared photodetectors based on rare earth doped fluorine perovskite nanocrystals. <i>Nano Energy</i> , 2020 , 76, 105103	17.1	22
118	Improving Efficiency and Light Stability of Perovskite Solar Cells by Incorporating YVO ₄ :Eu ³⁺ , Bi ³⁺ Nanophosphor into the Mesoporous TiO ₂ Layer. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2096-2102	6.1	22
117	Observation of Ultrabroad Infrared Emission Bands in Er ₂ O ₃ , Pr ₂ O ₃ , Nd ₂ O ₃ , and Sm ₂ O ₃ Polycrystals. <i>Applied Physics Express</i> , 2012 , 5, 102701	2.4	22
116	Oxygen Self-Sufficient Nanoplatform for Enhanced and Selective Antibacterial Photodynamic Therapy against Anaerobe-Induced Periodontal Disease. <i>Advanced Functional Materials</i> , 2021 , 31, 2101040	15.6	22
115	Glucose-assisted synthesis of hierarchical NiO-ZnO heterostructure with enhanced glycol gas sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129167	8.5	22
114	Modulation of the photoluminescence in carbon dots through surface modification: from mechanism to white light-emitting diodes. <i>Nanotechnology</i> , 2018 , 29, 245702	3.4	21
113	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
112	Doped In ₂ O ₃ inverse opals as photoanode for dye sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2015 , 450, 196-201	9.3	19
111	High brightness blue light-emitting diodes based on CsPb(Cl/Br) perovskite QDs with phenethylammonium chloride passivation. <i>Nanoscale</i> , 2020 , 12, 11728-11734	7.7	19
110	Label-free electrochemical immunosensor based on conductive Ag contained EMT-style nano-zeolites and the application for H ₂ O ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2919-2926	8.5	18
109	Silane modified upconversion nanoparticles with multifunctions: imaging, therapy and hypoxia detection. <i>Scientific Reports</i> , 2016 , 6, 22350	4.9	18
108	Glutathione modified gold nanorods with excellent biocompatibility and weak protein adsorption, targeting imaging and therapy toward tumor cells. <i>Dalton Transactions</i> , 2013 , 42, 11548-58	4.3	18
107	Observation of Lamb shift and modified spontaneous emission dynamics in the YBO ₃ :Eu ³⁺ inverse opal. <i>Optics Letters</i> , 2010 , 35, 2898-900	3	18
106	CdS/CdSe quantum dots and ZnPc dye co-sensitized solar cells with Au nanoparticles/graphene oxide as efficient modified layer. <i>Journal of Colloid and Interface Science</i> , 2016 , 480, 49-56	9.3	18

105	Photoluminescence enhancement of carbon dots induced by hybrids of photonic crystals and gold-silver alloy nanoparticles. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 147-152	7.1	18
104	Dysprosium, holmium and erbium ions doped indium oxide nanotubes as photoanodes for dye sensitized solar cells and improved device performance. <i>Journal of Colloid and Interface Science</i> , 2015 , 440, 162-7	9.3	17
103	Improved photoluminescent properties in one-dimensional LaPO ₄ :Eu ³⁺ nanowires. <i>Optics Letters</i> , 2005 , 30, 483-5	3	17
102	Ce6-C6-TPZ co-loaded albumin nanoparticles for synergistic combined PDT-chemotherapy of cancer. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5797-5807	7.3	16
101	Cobalt-doped ZnO nanoparticles derived from zeolite imidazole frameworks: Synthesis, characterization, and application for the detection of an exhaled diabetes biomarker. <i>Journal of Colloid and Interface Science</i> , 2020 , 569, 358-365	9.3	16
100	A facile and universal strategy for preparation of long wavelength emission carbon dots. <i>Dalton Transactions</i> , 2017 , 46, 16905-16910	4.3	16
99	Highly modified spontaneous emission in NaY(MoO ₄) ₂ :Yb ³⁺ /Er ³⁺ inverse opal photonic crystals. <i>RSC Advances</i> , 2015 , 5, 104862-104869	3.7	16
98	Modulation of upconversion white light emission in PMMA/NaYF ₄ :Yb(3+), Er(3+), Tm(3+) composite photonic crystals. <i>Optics Letters</i> , 2014 , 39, 4619-22	3	16
97	Gd ₂ O ₃ :Eu ³⁺ @mesoporous SiO ₂ bifunctional core-shell composites: Fluorescence label and drug release. <i>Materials Research Bulletin</i> , 2011 , 46, 2296-2303	5.1	16
96	Chemical inhibition of reversible decomposition for efficient and super-stable perovskite solar cells. <i>Nano Energy</i> , 2020 , 68, 104315	17.1	16
95	Highly efficient near-infrared hybrid perovskite solar cells by integrating with a novel organic bulk-heterojunction. <i>Nano Energy</i> , 2020 , 77, 105181	17.1	16
94	Synergistic effects of photonic crystal and gold nanostars for quantitative SERS detection of 3-Phenoxybenzoic acid. <i>Applied Surface Science</i> , 2019 , 476, 587-593	6.7	16
93	Bright red YCl ₃ -promoted CsPbI ₃ perovskite nanorods towards efficient light-emitting diode. <i>Nano Energy</i> , 2021 , 81, 105615	17.1	16
92	Mn ²⁺ ions doped lead-free zero-dimensional K ₃ SbCl ₆ perovskite nanocrystals towards white light emitting diodes. <i>Chemical Engineering Journal</i> , 2021 , 413, 127415	14.7	16
91	Enhanced nitrogen oxide sensing performance based on tin-doped tungsten oxide nanoplates by a hydrothermal method. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 740-749	9.3	15
90	Multiplexed free-standing nanowire transistor bioprobe for intracellular recording: a general fabrication strategy. <i>Nano Letters</i> , 2014 , 14, 3602-7	11.5	15
89	Self assembly of three-dimensional Lu ₂ O ₃ :Eu ³⁺ inverse opal photonic crystals, their modified emissions and dual-functional refractive index sensing. <i>Dalton Transactions</i> , 2013 , 42, 14014-20	4.3	15
88	Preparation and luminescent properties of YVO ₄ :Eu ³⁺ nanofibers by electrospinning. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1432-6	1.3	15

87	DNA stabilized Ag/Au alloy nanoclusters and their application as sensing probes for mercury ions. <i>RSC Advances</i> , 2016 , 6, 51609-51618	3.7	15
86	Near-infrared-light-triggered photoelectrochemical biosensor for detection of alpha-fetoprotein based on upconversion nanophosphors. <i>Sensors and Actuators B: Chemical</i> , 2019 , 286, 468-475	8.5	14
85	Three-dimensional graphene oxide foams loaded with AuPd alloy: a sensitive electrochemical sensor for dopamine. <i>Mikrochimica Acta</i> , 2018 , 185, 397	5.8	14
84	Batteries: Effect of Carbon Matrix Dimensions on the Electrochemical Properties of Na ₃ V ₂ (PO ₄) ₃ Nanograins for High-Performance Symmetric Sodium-Ion Batteries (Adv. Mater. 21/2014). <i>Advanced Materials</i> , 2014 , 26, 3358-3358	24	14
83	Spectral components and their contributions to the 1.5 μ m emission bandwidth of erbium-doped oxide glass. <i>Journal of Applied Physics</i> , 2003 , 94, 1325-1328	2.5	14
82	Smart biosensors and intelligent devices for salivary biomarker detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 140, 116281	14.6	14
81	Green fluorescent organic nanoparticles based on carbon dots and self-polymerized dopamine for cell imaging. <i>RSC Advances</i> , 2017 , 7, 28987-28993	3.7	13
80	Efficient energy transfer from inserted CdTe quantum dots to YVO ₄ :Eu ³⁺ inverse opals: a novel strategy to improve and expand visible excitation of rare earth ions. <i>Nanoscale</i> , 2014 , 6, 8075-83	7.7	13
79	Europium ions doped WO _x nanorods for dual interfacial modification facilitating high efficiency and stability of perovskite solar cells. <i>Nano Energy</i> , 2021 , 80, 105564	17.1	13
78	Zwitterionic Ionic Liquid Confer Defect Tolerance, High Conductivity, and Hydrophobicity toward Efficient Perovskite Solar Cells Exceeding 22% Efficiency. <i>Solar Rrl</i> , 2021 , 5, 2100352	7.1	13
77	A novel approach for designing efficient broadband photodetectors expanding from deep ultraviolet to near infrared.. <i>Light: Science and Applications</i> , 2022 , 11, 91	16.7	13
76	Unraveling the Dual-Functional Mechanism of Light Absorption and Hole Transport of CuCdZnSnS for Achieving Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17509-17518	9.5	12
75	An ultra-sensitive label-free immunosensor toward alpha-fetoprotein detection based on three-dimensional ordered IrO _x inverse opals. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 660-668	8.5	12
74	Shape-Controlled Assembly of Nanowires for Photonic Elements. <i>ACS Photonics</i> , 2016 , 3, 2285-2290	6.3	12
73	Electrospinning preparation and photoluminescence properties of SrAl ₂ O ₄ :Ce ³⁺ nanowires. <i>Journal of Materials Science</i> , 2011 , 46, 7517-7524	4.3	12
72	X-ray diffraction of cubic Gd ₂ O ₃ /Er under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 1123-1127	1.3	12
71	Luminescent properties of rare earth ions in one-dimensional oxide nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 1519-31	1.3	12
70	Highly efficient ligand-modified manganese ion doped CsPbCl perovskite quantum dots for photon energy conversion in silicon solar cells. <i>Nanoscale</i> , 2020 , 12, 18621-18628	7.7	12

69	Low-Temperature Electron Beam Deposition of Zn-SnOx for Stable and Flexible Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900266	7.1	12
68	Double Stopband Bilayer Photonic Crystal Based Upconversion Fluorescence PSA Sensor. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128816	8.5	12
67	Antibacterial Zeolite Imidazole Frameworks with Manganese Doping for Immunomodulation to Accelerate Infected Wound Healing. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101515	10.1	12
66	Plasmonic enhancement of the upconversion fluorescence in YVO ₄ :Yb ³⁺ , Er ³⁺ nanocrystals based on the porous Ag film. <i>Nanotechnology</i> , 2015 , 26, 145602	3.4	11
65	A Crystalline/Amorphous Cobalt(II,III) Oxide Hybrid Electrocatalyst for Lithium-Air Batteries. <i>Energy Technology</i> , 2017 , 5, 568-579	3.5	11
64	Low-Cost One-Pot Synthesis of WS Quantum Dots with Wide Emission Spectrum for Light-Emitting Applications. <i>ChemPlusChem</i> , 2018 , 83, 1052-1056	2.8	11
63	Grain boundary defect passivation by in situ formed wide-bandgap lead sulfate for efficient and stable perovskite solar cells. <i>Chemical Engineering Journal</i> , 2021 , 426, 130685	14.7	11
62	ZnWO ₄ /ZnWO ₄ : Eu ³⁺ inverse opal photonic crystal scintillator: efficient phosphors in radiation detection. <i>RSC Advances</i> , 2015 , 5, 82748-82755	3.7	10
61	Controllable chrominance and highly improved luminescent quantum yield of YV(1-x)P(x)O ₄ : Tm, Dy, Eu inverse opal white light phosphors. <i>Optics Express</i> , 2013 , 21, 25744-51	3.3	10
60	Synergistic Effects of Multifunctional Lanthanides Doped CsPbBrCl ₂ Quantum Dots for Efficient and Stable MAPbI ₃ Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2110346	15.6	10
59	Toward ultra-thin and full functional perovskite solar cells by broadband light scattering management and efficient interfacial modification. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 206, 110297	6.4	10
58	Enhanced Photoluminescence and Photoresponsiveness of Eu ³⁺ Ions-Doped CsPbCl ₃ Perovskite Quantum Dots under High Pressure. <i>Advanced Functional Materials</i> , 2021 , 31, 2100930	15.6	10
57	Carbon dot/polyvinylpyrrolidone hybrid nanofibers with efficient solid-state photoluminescence constructed using an electrospinning technique. <i>Nanotechnology</i> , 2018 , 29, 025706	3.4	10
56	A strategy for calibrating the actual quantum efficiency of quantum cutting in YVO ₄ :Bi ³⁺ (Nd ³⁺), Yb ³⁺ . <i>Journal of Applied Physics</i> , 2013 , 113, 073101	2.5	9
55	A novel ethanol gas sensor-ZnS/ cyclohexylamine hybrid nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 2121-5	1.3	9
54	A label-free electrochemical immunosensor based on facet-controlled Au nanorods/reduced graphene oxide composites for prostate specific antigen detection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 336, 129748	8.5	9
53	Doping in Semiconductor Oxides-Based Electron Transport Materials for Perovskite Solar Cells Application. <i>Solar Rrl</i> , 2021 , 5, 2000605	7.1	9
52	Learning From Plants: Lycopene Additive Passivation toward Efficient and Fresh Perovskite Solar Cells with Oxygen and Ultraviolet Resistance. <i>Advanced Energy Materials</i> , 2200614	21.8	9

51	Analysis of the upconversion photoluminescence spectra as a probe of local microstructure in Y ₂ O ₃ /Eu ³⁺ nanotubes under high pressure. <i>RSC Advances</i> , 2015 , 5, 3130-3134	3.7	8
50	Enhanced upconversion luminescence on the plasmonic architecture of Au@Ag nanocages. <i>RSC Advances</i> , 2016 , 6, 86297-86300	3.7	8
49	Broadband Ultraviolet Photodetectors Based on Cerium Doped Lead-Free Cs ₃ MnBr ₅ Metal Halide Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4980-4987	8.3	8
48	Luminescence carbon dot-based nanofibers for a water-insoluble drug release system and their monitoring of drug release. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3579-3585	7.3	8
47	Water-soluble coumarin oligomer based ultra-sensitive iron ion probe and applications. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128361	8.5	7
46	Au anchored three-dimensional macroporous NiO@CuO inverse opals for in-situ sensing of hydrogen peroxide secretion from living cells. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126729	8.5	7
45	Unglycosylated recombinant human glutathione peroxidase 3 mutant from Escherichia coli is active as a monomer. <i>Scientific Reports</i> , 2014 , 4, 6698	4.9	7
44	Influence of photonic stop band effect on photoluminescence of Y ₂ O ₃ :Eu ³⁺ inverse opal films. <i>Chemical Physics Letters</i> , 2011 , 509, 33-36	2.5	7
43	White Luminescence by Up-Conversion from Thin Film Made with Ln ³⁺ -Doped NaYF ₄ Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1254-1257	1.3	7
42	A multi-platform sensor for selective and sensitive HS monitoring: Three-dimensional macroporous ZnO encapsulated by MOFs with small Pt nanoparticles. <i>Journal of Hazardous Materials</i> , 2021 , 426, 128075	12.8	7
41	Self-organized helical superstructure of photonic cellulose loaded with upconversion nanoparticles showing modulated luminescence. <i>RSC Advances</i> , 2016 , 6, 76231-76236	3.7	7
40	Quercetin-Loaded Ceria Nanocomposite Potentiate Dual-Directional Immunoregulation via Macrophage Polarization against Periodontal Inflammation. <i>Small</i> , 2021 , 17, e2101505	11	7
39	Dual Modification Engineering via Lanthanide-Based Halide Quantum Dots and Black Phosphorus Enabled Efficient Perovskite Solar Cells with High Open-Voltage of 1.235V. <i>Advanced Functional Materials</i> , 2112647	15.6	6
38	White Luminescence by Up-Conversion from Thin Film Made with Ln ³⁺ -Doped NaYF ₄ Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1254-1257	1.3	6
37	In situ preparation of two-dimensional ytterbium ions doped all-inorganic perovskite nanosheets for high-performance visual dual-bands photodetectors. <i>Nano Energy</i> , 2022 , 93, 106815	17.1	6
36	Efficient energy storage and uvioresistant perovskite solar cells through insulating Y ₂ O ₂ S-based long-lasting phosphor layer. <i>Journal of Power Sources</i> , 2020 , 477, 228757	8.9	6
35	Label-free photoelectrochemical biosensor for alpha-fetoprotein detection based on Au/CsWO heterogeneous films. <i>Talanta</i> , 2021 , 225, 122074	6.2	6
34	Toward Broad Spectral Response Inverted Perovskite Solar Cells: Insulating Quantum-Cutting Perovskite Nanophosphors and Multifunctional Ternary Organic Bulk-Heterojunction. <i>Advanced Energy Materials</i> , 2200005	21.8	6

33	Control of white light emission via co-doping of Dy ³⁺ and Tb ³⁺ ions in LiLuF ₄ single crystals under UV excitation. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 3405-3414	2.1	5
32	Controlled synthesis of ytterbium ion and erbium ion codoped gadolinium oxyfluoride hollow nanosphere with upconversion luminescence property. <i>Journal of Materials Research</i> , 2013 , 28, 848-855	2.5	5
31	Cerium-Doped Perovskite Nanocrystals for Extremely High-Performance Deep-Ultraviolet Photoelectric Detection. <i>Advanced Optical Materials</i> , 2021 , 9, 2100423	8.1	5
30	NIR responsive nitric oxide nanogenerator for enhanced biofilm eradication and inflammation immunotherapy against periodontal diseases. <i>Nano Today</i> , 2022 , 43, 101447	17.9	5
29	Cr ³⁺ -doped LiNbO ₃ crystals grown by the Bridgman method. <i>Crystal Research and Technology</i> , 2005 , 40, 199-203	1.3	4
28	Origin of the wavelength-dependence of effective trap density in photorefractive BaTiO ₃ :Ce. <i>Journal of Applied Physics</i> , 2000 , 88, 6981-6986	2.5	4
27	High fluorescence LaOBr/coumarin organic/inorganic composite nanomaterials for ultra-sensitive Fe ³⁺ sensing, fluorescence imaging and water-based ink anti-counterfeiting applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13733-13742	7.1	4
26	Dual Interfacial Modification Engineering for Highly Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2000652	7.1	4
25	Multifunctional Reductive Molecular Modulator toward Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2100320	7.1	4
24	Silver nanotorus and nanoparticles on silica wafer: optical properties and investigation of PVA in the formation process. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 64-71	2.1	3
23	Enhanced UC red emission in Ce ³⁺ /Yb ³⁺ /Ho ³⁺ tri-doped Na ₅ Lu ₉ F ₃₂ single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 10814-10820	2.1	2
22	Anti-Tumor Effect of Copper Sulfide Nanoparticles Carrying siRNA and Adriamycin. <i>ChemistrySelect</i> , 2019 , 4, 3636-3641	1.8	2
21	Identification of cinobufagin and resibufogenin as inhibitors of enterovirus 71 infection. <i>Chemical Research in Chinese Universities</i> , 2014 , 30, 953-958	2.2	2
20	High voltage preparation, characterization, and optical properties of silver dendrites in PVA matrix. <i>Frontiers of Optoelectronics in China</i> , 2010 , 3, 205-210		2
19	Non-enzymatic electrochemical detection of H ₂ O ₂ by assembly of CuO nanoparticles and black phosphorus nanosheets for early diagnosis of periodontitis. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131298	8.5	2
18	Flexible double narrowband near-infrared photodetector based on PMMA/core-shell upconversion nanoparticle composites. <i>Journal of Rare Earths</i> , 2020 , 40, 211-211	3.7	2
17	Non-Invasive Electrochemical Biosensors for TNF- α Cytokines Detection in Body Fluids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 701045	5.8	2
16	Efficient Radiative Enhancement in Perovskite Light-Emitting Devices through Involving a Novel Sandwich Localized Surface Plasmon Structure.. <i>Small Methods</i> , 2022 , e2200163	12.8	2

15	Halide anions engineered ionic liquids passivation layer for highly stable inverted perovskite solar cells.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 469-480	9.3	2
14	Investigation of the lattice behavior of cubic Y2O3/Eu3+ nanotubes under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2204-2208	1.3	1
13	Rare earth doping in perovskite luminescent nanocrystals and photoelectric devices. <i>Nano Select</i> ,	3.1	1
12	Three-order fluorescence enhancement of perovskite nanocrystals using plasmonic Ag@SiO2 nanocomposites. <i>Journal of Materials Chemistry C</i> ,	7.1	1
11	Ni and Pr Co-doped CsPbCl perovskite quantum dots with efficient infrared emission at 1300 nm. <i>Nanoscale</i> , 2021 , 13, 16598-16607	7.7	1
10	Interfacial Modification Engineering with Cs3Cu2I5 Nanocrystals for Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2200025	7.1	1
9	Highly Stable and Efficient Mn Doping Zero-Dimension CsZnPbCl Alloyed Nanorods toward White Electroluminescent Light-Emitting Diodes.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2379-2387	6.4	1
8	Stable EMT type zeolite/CsPbBr perovskite quantum dot nanocomposites for highly sensitive humidity sensors.. <i>Journal of Colloid and Interface Science</i> , 2022 , 616, 921-928	9.3	1
7	Amphiphilic silane modified multifunctional nanoparticles for ratiometric oxygen sensing. <i>RSC Advances</i> , 2017 , 7, 34118-34124	3.7	0
6	Synergistic Regulation Effect of Nitrate and Calcium Ions for Highly Luminescent and Robust Fcspbi Perovskite.. <i>Small</i> , 2022 , e2106147	11	0
5	Aluminum-doped lead-free double perovskite Cs2AgBiCl6 nanocrystals with ultrahigh stability towards white light emitting diodes. <i>Materials Research Bulletin</i> , 2021 , 147, 111645	5.1	0
4	Antibacterial PDT nanoplatform capable of releasing therapeutic gas for synergistic and enhanced treatment against deep infections.. <i>Theranostics</i> , 2022 , 12, 2580-2597	12.1	0
3	3-Ammonium Propionic Acid: A Cation Tailoring Crystal Structure of Hybrid Perovskite for Improving Photovoltaic Performance. <i>ACS Applied Energy Materials</i> , 2021 , 4, 14662-14670	6.1	0
2	One-dimensional rare earth compounds and complexes: preparation and improved photoluminescence properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1316-25	1.3	
1	Growth of KAlF4 and Na5Al3F14 Aluminum Fluoride Single Crystals by Bridgman Method. <i>Crystal Research and Technology</i> , 2200013	1.3	