

Lin Xu

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.

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	Synergistic Regulation Effect of Nitrate and Calcium Ions for Highly Luminescent and Robust ECsPbI Perovskite.. <i>Small</i> , 2022 , e2106147	11	0
283	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
282	Non-enzymatic electrochemical detection of H_2O_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
281	Antibacterial PDT nanoplatfom capable of releasing therapeutic gas for synergistic and enhanced treatment against deep infections.. <i>Theranostics</i> , 2022 , 12, 2580-2597	12.1	0
280	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
279	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
278	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
277	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
276	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
275	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
274	Aluminum-doped lead-free double perovskite $\text{Cs}_2\text{AgBiCl}_6$ nanocrystals with ultrahigh stability towards white light emitting diodes. <i>Materials Research Bulletin</i> , 2021 , 147, 111645	5.1	0
273	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
272	Oxygen Self-Sufficient Nanoplatfom for Enhanced and Selective Antibacterial Photodynamic Therapy against Anaerobe-Induced Periodontal Disease. <i>Advanced Functional Materials</i> , 2021 , 31, 2101040	15.6	22
271	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
270	Label-free photoelectrochemical biosensor for alpha-fetoprotein detection based on Au/CsWO heterogeneous films. <i>Talanta</i> , 2021 , 225, 122074	6.2	6
269	Broadband Ultraviolet Photodetectors Based on Cerium Doped Lead-Free Cs_3MnBr_5 Metal Halide Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4980-4987	8.3	8
268	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

267	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
266	Double Stopband Bilayer Photonic Crystal Based Upconversion Fluorescence PSA Sensor. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128816	8.5	12
265	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
264	Bright red YCl ₃ -promoted CsPbI ₃ perovskite nanorods towards efficient light-emitting diode. <i>Nano Energy</i> , 2021 , 81, 105615	17.1	16
263	Doping in Semiconductor Oxides-Based Electron Transport Materials for Perovskite Solar Cells Application. <i>Solar Rrl</i> , 2021 , 5, 2000605	7.1	9
262	Dual Interfacial Modification Engineering for Highly Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2000652	7.1	4
261	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
260	Photon management to reduce energy loss in perovskite solar cells. <i>Chemical Society Reviews</i> , 2021 , 50, 7250-7329	58.5	29
259	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
258	Smart biosensors and intelligent devices for salivary biomarker detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 140, 116281	14.6	14
257	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
256	Multifunctional Reductive Molecular Modulator toward Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2100320	7.1	4
255	Cerium-Doped Perovskite Nanocrystals for Extremely High-Performance Deep-Ultraviolet Photoelectric Detection. <i>Advanced Optical Materials</i> , 2021 , 9, 2100423	8.1	5
254	Quercetin-Loaded Ceria Nanocomposite Potentiate Dual-Directional Immunoregulation via Macrophage Polarization against Periodontal Inflammation. <i>Small</i> , 2021 , 17, e2101505	11	7
253	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
252	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
251	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
250	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

249	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
248	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
247	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
246	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
245	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
244	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
243	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
242	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
241	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
240	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
239	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
238	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
237	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
236	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
235	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
234	Chemical inhibition of reversible decomposition for efficient and super-stable perovskite solar cells. <i>Nano Energy</i> , 2020 , 68, 104315	17.1	16
233	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
232	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

231	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
230	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
229	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
228	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
227	Incorporating of Lanthanides Ions into Perovskite Film for Efficient and Stable Perovskite Solar Cells. <i>Small</i> , 2020 , 16, e2001770	11	23
226	High fluorescence LaOBr/coumarin organic-organic 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
225	Low-Temperature Electron Beam Deposition of Zn-SnO _x for Stable and Flexible Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900266	7.1	12
224	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
223	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
222	Effective blue-violet photoluminescence through lanthanum and fluorine ions co-doping for CsPbCl perovskite quantum dots. <i>Nanoscale</i> , 2019 , 11, 2484-2491	7.7	45
221	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
220	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
219	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
218	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
217	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
216	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
215	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
214	Anti-Tumor Effect of Copper Sulfide Nanoparticles Carrying siRNA and Adriamycin. <i>ChemistrySelect</i> , 2019 , 4, 3636-3641	1.8	2

213	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
212	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
211	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
210	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
209	Inverted perovskite solar cells employing doped NiO hole transport layers: A review. <i>Nano Energy</i> , 2019 , 63, 103860	17.1	95
208	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
207	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
206	Highly Efficient and Stable Inorganic Perovskite Quantum Dots by Embedding into a Polymer Matrix. <i>ChemNanoMat</i> , 2019 , 5, 346-351	3.5	27
205	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
204	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
203	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
202	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
201	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
200	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
199	Broadband Plasmonic Antenna Enhanced Upconversion and Its Application in Flexible Fingerprint Identification. <i>Advanced Optical Materials</i> , 2018 , 6, 1701119	8.1	24
198	White light emission in Bi/Mn ion co-doped CsPbCl perovskite nanocrystals. <i>Nanoscale</i> , 2018 , 10, 1023-1029	9.7	104
197	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
196	Carrier Interfacial Engineering by Bismuth Modification for Efficient and Thermoresistant Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1703659	21.8	43

195	An ultra-sensitive label-free immunosensor toward alpha-fetoprotein detection based on three-dimensional ordered IrOx inverse opals. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 660-668	8.5	12
194	Label-free electrochemical immunosensor based on conductive Ag contained EMT-style nano-zeolites and the application for Fetoprotein detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2919-2926	8.5	18
193	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
192	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
191	Considerably enhanced exciton emission of CsPbCl perovskite quantum dots by the introduction of potassium and lanthanide ions. <i>Nanoscale</i> , 2018 , 10, 14067-14072	7.7	76
190	Facile synthesis of controllable TiO2 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
189	APTES-functionalized thin-walled porous WO3 nanotubes for highly selective sensing of NO2 in a polluted environment. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10976-10989	13	74
188	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
187	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
186	Carbon dot/polyvinylpyrrolidone hybrid nanofibers with efficient solid-state photoluminescence constructed using an electrospinning technique. <i>Nanotechnology</i> , 2018 , 29, 025706	3.4	10
185	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
184	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
183	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
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	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
180	Performance improvement of photoelectrochemical NO2 gas sensing at room temperature by BiVO4-polyoxometalate nanocomposite photoanode. <i>Sensors and Actuators B: Chemical</i> , 2018 , 272, 289-295	8.5	28
179	All-inorganic perovskite quantum dot/TiO inverse opal electrode platform: stable and efficient photoelectrochemical sensing of dopamine under visible irradiation. <i>Nanoscale</i> , 2018 , 10, 10505-10513	7.7	49
178	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

177	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
176	Amphiphilic Silane Modified Multifunctional Nanoparticles for Magnetically Targeted Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11451-11460	9.5	22
175	Considerably enhanced perovskite solar cells via the introduction of metallic nanostructures. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6515-6521	13	34
174	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
173	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
172	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
171	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
170	Three-dimensional ordered ZnO@Be 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
169	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
168	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
167	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
166	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
165	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
164	A novel upconversion luminescence derived photoelectrochemical immunoassay: ultrasensitive detection to alpha-fetoprotein. <i>Nanoscale</i> , 2017 , 9, 16357-16364	7.7	33
163	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
162	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
161	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
160	Long-Lasting Nanophosphors Applied to UV-Resistant and Energy Storage Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700758	21.8	83

159	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
158	A novel mechanism for red emission carbon dots: hydrogen bond dominated molecular states emission. <i>Nanoscale</i> , 2017 , 9, 13042-13051	7.7	163
157	Enhanced Performance of Perovskite Solar Cells with Zinc Chloride Additives. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42875-42882	9.5	81
156	Doping Lanthanide into Perovskite Nanocrystals: Highly Improved and Expanded Optical Properties. <i>Nano Letters</i> , 2017 , 17, 8005-8011	11.5	447
155	Upconversion manipulation by local electromagnetic field. <i>Nano Today</i> , 2017 , 17, 54-78	17.9	78
154	A facile and universal strategy for preparation of long wavelength emission carbon dots. <i>Dalton Transactions</i> , 2017 , 46, 16905-16910	4.3	16
153	Amphiphilic silane modified multifunctional nanoparticles for ratiometric oxygen sensing. <i>RSC Advances</i> , 2017 , 7, 34118-34124	3.7	0
152	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	13.7	48
151	A Crystalline/Amorphous Cobalt(II,III) Oxide Hybrid Electrocatalyst for Lithium Air Batteries. <i>Energy Technology</i> , 2017 , 5, 568-579	3.5	11
150	Enhanced upconversion luminescence on the plasmonic architecture of Au@Ag nanocages. <i>RSC Advances</i> , 2016 , 6, 86297-86300	3.7	8
149	Engineered IrO@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
148	Silane modified upconversion nanoparticles with multifunctions: imaging, therapy and hypoxia detection. <i>Scientific Reports</i> , 2016 , 6, 22350	4.9	18
147	Shape-Controlled Assembly of Nanowires for Photonic Elements. <i>ACS Photonics</i> , 2016 , 3, 2285-2290	6.3	12
146	Three-dimensional In ₂ O ₃ @ZnO inverse opals: synthesis and improved gas sensing properties towards acetone. <i>RSC Advances</i> , 2016 , 6, 57389-57395	3.7	24
145	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
144	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
143	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
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139	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
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134	Investigation of the lattice behavior of cubic Y ₂ O ₃ /Eu ³⁺ nanotubes under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2204-2208	1.3	1
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132	CdS quantum dots modified CuO inverse opal electrodes for ultrasensitive electrochemical and photoelectrochemical biosensor. <i>Scientific Reports</i> , 2015 , 5, 10838	4.9	31
131	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
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12	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
11	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
10	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
9	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
8	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
7	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
6	Rare earth doping in perovskite luminescent nanocrystals and photoelectric devices. <i>Nano Select</i> ,	3.1	1
5	Three-order fluorescence enhancement of perovskite nanocrystals using plasmonic Ag@SiO ₂ nanocomposites. <i>Journal of Materials Chemistry C</i> ,	7.1	1
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2	Growth of KAlF ₄ and Na ₅ Al ₃ F ₁₄ Aluminum Fluoride Single Crystals by Bridgman Method. <i>Crystal Research and Technology</i> , 2200013	1.3	
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