Lin Xu

List of Publications by Year
in descending order

292	17,304	10351	22102
papers	citations	72 h-index	113 g-index

293	293	293	17960
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Doping Lanthanide into Perovskite Nanocrystals: Highly Improved and Expanded Optical Properties. Nano Letters, 2017, 17, 8005-8011.	4.5	672
2	Nanowire Electrodes for Electrochemical Energy Storage Devices. Chemical Reviews, 2014, 114, 11828-11862.	23.0	617
3	Cerium and Ytterbium Codoped Halide Perovskite Quantum Dots: A Novel and Efficient Downconverter for Improving the Performance of Silicon Solar Cells. Advanced Materials, 2017, 29, 1704149.	11.1	389
4	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. Nature Communications, 2015, 6, 7402.	5.8	370
5	Size-Dependent Upconversion Luminescence in Er³⁺/Yb³⁺-Codoped Nanocrystalline Yttria:â€‰ Saturation and Thermal Effects. Journal of Physical Chemistry C, 2007, 111, 13611-13617.	1.5	310
6	Synthesis of Graphene Oxide Based CuO Nanoparticles Composite Electrode for Highly Enhanced Nonenzymatic Glucose Detection. ACS Applied Materials & Interfaces, 2013, 5, 12928-12934.	4.0	251
7	A novel mechanism for red emission carbon dots: hydrogen bond dominated molecular states emission. Nanoscale, 2017, 9, 13042-13051.	2.8	251
8	Local Field Modulation Induced Threeâ€Order Upconversion Enhancement: Combining Surface Plasmon Effect and Photonic Crystal Effect. Advanced Materials, 2016, 28, 2518-2525.	11.1	240
9	Free-standing kinked nanowire transistor probes for targeted intracellular recording in three dimensions. Nature Nanotechnology, 2014, 9, 142-147.	15.6	230
10	Hydrolytically Stable Luminescent Cationic Metal Organic Framework for Highly Sensitive and Selective Sensing of Chromate Anions in Natural Water Systems. ACS Applied Materials & Interfaces, 2017, 9, 16448-16457.	4.0	223
11	Spontaneous Silver Doping and Surface Passivation of CsPbI₃ Perovskite Active Layer Enable Light-Emitting Devices with an External Quantum Efficiency of 11.2%. ACS Energy Letters, 2018, 3, 1571-1577.	8.8	205
12	Trap State Passivation by Rational Ligand Molecule Engineering toward Efficient and Stable Perovskite Solar Cells Exceeding 23% Efficiency. Advanced Energy Materials, 2021, 11, 2100529.	10.2	201
13	Upconversion luminescence, intensity saturation effect, and thermal effect in Gd2O3:Er3,Yb3+ nanowires. Journal of Chemical Physics, 2005, 123, 174710.	1.2	194
14	NiO@ZnO Heterostructured Nanotubes: Coelectrospinning Fabrication, Characterization, and Highly Enhanced Gas Sensing Properties. Inorganic Chemistry, 2012, 51, 7733-7740.	1.9	189
15	Preparation and Gas Sensing Properties of In2O3/Au Nanorods for Detection of Volatile Organic Compounds in Exhaled Breath. Scientific Reports, 2015, 5, 10717.	1.6	176
16	Multifunctional NaYF4â€‰:â€‰Yb3+,Er3+@Ag core/shell nanocomposites: integration of upconversion imaging and photothermal therapy. Journal of Materials Chemistry, 2011, 21, 6193.	6.7	173
17	Inverted perovskite solar cells employing doped NiO hole transport layers: A review. Nano Energy, 2019, 63, 103860.	8.2	155
18	Ultrasensitive non-enzymatic glucose sensor based on three-dimensional network of ZnO-CuO hierarchical nanocomposites by electrospinning. Scientific Reports, 2014, 4, 7382.	1.6	152

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19	Luminescent Properties of LaPO4:Eu Nanoparticles and Nanowires. Journal of Physical Chemistry B, 2004, 108, 16697-16702.	1.2	149
20	Observation of Considerable Upconversion Enhancement Induced by Cu_{2â€“x}S Plasmon Nanoparticles. ACS Nano, 2016, 10, 5169-5179.	7.3	149
21	Self-adaptive strain-relaxation optimization for high-energy lithium storage material through crumpling of graphene. Nature Communications, 2014, 5, 4565.	5.8	139
22	ZnOâ€“SnO2 nanotubes surface engineered by Ag nanoparticles: synthesis, characterization, and highly enhanced HCHO gas sensing properties. Journal of Materials Chemistry C, 2013, 1, 2174.	2.7	137
23	Temperature-dependent upconversion luminescence and dynamics of NaYF₄:Yb³⁺/Er³⁺ nanocrystals: influence of particle size and crystalline phase. Dalton Transactions, 2014, 43, 6139-6147.	1.6	135
24	Large Upconversion Enhancement in the â€œIslandsâ€•Auâ€“Ag Alloy/NaYF₄: Yb³⁺, Tm³⁺/Er³⁺ Composite Films, and Fingerprint Identification. Advanced Functional Materials, 2015, 25, 5462-5471.	7.8	135
25	White light emission in Bi³⁺/Mn²⁺ ion co-doped CsPbCl₃ perovskite nanocrystals. Nanoscale, 2018, 10, 1023-1029.	2.8	132
26	Electrospinning preparation and room temperature gas sensing properties of porous In2O3 nanotubes and nanowires. Sensors and Actuators B: Chemical, 2010, 147, 531-538.	4.0	129
27	A highly sensitive and moisture-resistant gas sensor for diabetes diagnosis with Pt@In2O3 nanowires and a molecular sieve for protection. NPG Asia Materials, 2018, 10, 293-308.	3.8	129
28	Au-modified three-dimensional In₂O₃ inverse opals: synthesis and improved performance for acetone sensing toward diagnosis of diabetes. Nanoscale, 2015, 7, 13051-13060.	2.8	127
29	Samarium-Doped Metal Halide Perovskite Nanocrystals for Single-Component Electroluminescent White Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 2131-2139.	8.8	124
30	Spectrally Tunable Solid State Fluorescence and Roomâ€Temperature Phosphorescence of Carbon Dots Synthesized via Seeded Growth Method. Advanced Optical Materials, 2019, 7, 1801599.	3.6	122
31	Temperature dependence of luminescent spectra and dynamics in nanocrystalline Y2O3:Eu3+. Journal of Chemical Physics, 2003, 118, 3277-3282.	1.2	120
32	Bright Blue Light Emission of Ni²⁺ Ion-Doped CsPbCl_xBr_{3â€“x} Perovskite Quantum Dots Enabling Efficient Light-Emitting Devices. ACS Applied Materials & Interfaces, 2020, 12, 14195-14202.	4.0	118
33	Electronic Transition and Energy Transfer Processes in LaPO4â˜Ce3+/Tb3+ Nanowires. Journal of Physical Chemistry B, 2005, 109, 11450-11455.	1.2	117
34	A sensitive photoelectrochemical biosensor for AFP detection based on ZnO inverse opal electrodes with signal amplification of CdS-QDs. Biosensors and Bioelectronics, 2015, 74, 411-417.	5.3	117
35	Longâ€Lasting Nanophosphors Applied to UVâ€Resistant and Energy Storage Perovskite Solar Cells. Advanced Energy Materials, 2017, 7, 1700758.	10.2	117
36	Luminescent Properties of Pure Cubic Phase Y2O3/Eu3+Nanotubes/Nanowires Prepared by a Hydrothermal Method. Journal of Physical Chemistry B, 2005, 109, 15236-15242.	1.2	114

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37	Europium-Doped Lead-Free Cs₃Bi₂Br₉ Perovskite Quantum Dots and Ultrasensitive Cu²⁺ Detection. ACS Sustainable Chemistry and Engineering, 2019, 7, 8397-8404.	3.2	114
38	Plasmonic Photonic Crystals Induced Twoâ€Order Fluorescence Enhancement of Blue Perovskite Nanocrystals and Its Application for Highâ€Performance Flexible Ultraviolet Photodetectors. Advanced Functional Materials, 2018, 28, 1804429.	7.8	106
39	Electrospinning Preparation and Luminescence Properties of Europium Complex/Polymer Composite Fibers. Journal of Physical Chemistry C, 2008, 112, 9155-9162.	1.5	105
40	Enhanced Performance of Perovskite Solar Cells with Zinc Chloride Additives. ACS Applied Materials & Interfaces, 2017, 9, 42875-42882.	4.0	104
41	Upconversion manipulation by local electromagnetic field. Nano Today, 2017, 17, 54-78.	6.2	103
42	Three-dimensional ordered ZnOâ€“CuO inverse opals toward low concentration acetone detection for exhaled breath sensing. Sensors and Actuators B: Chemical, 2015, 211, 255-262.	4.0	102
43	Preparation and Bifunctional Gas Sensing Properties of Porous In₂O₃â^'CeO₂ Binary Oxide Nanotubes. Inorganic Chemistry, 2010, 49, 10590-10597.	1.9	100
44	Considerably enhanced exciton emission of CsPbCl₃ perovskite quantum dots by the introduction of potassium and lanthanide ions. Nanoscale, 2018, 10, 14067-14072.	2.8	100
45	APTES-functionalized thin-walled porous WO₃ nanotubes for highly selective sensing of NO₂ in a polluted environment. Journal of Materials Chemistry A, 2018, 6, 10976-10989.	5.2	100
46	Impact of Host Composition, Codoping, or Tridoping on Quantum-Cutting Emission of Ytterbium in Halide Perovskite Quantum Dots and Solar Cell Applications. Nano Letters, 2019, 19, 6904-6913.	4.5	100
47	Dual Interfacial Modification Engineering with 2D MXene Quantum Dots and Copper Sulphide Nanocrystals Enabled Highâ€Performance Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2003295.	7.8	100
48	Electrospinning Preparation, Structure, and Photoluminescence Properties of YBO₃:Eu³⁺ Nanotubes and Nanowires. Chemistry of Materials, 2008, 20, 4762-4767.	3.2	98
49	Multifunctional Au@mSiO₂/Rhodamine B Isothiocyanate Nanocomposites: Cell Imaging, Photocontrolled Drug Release, and Photothermal Therapy for Cancer Cells. Small, 2013, 9, 604-612.	5.2	98
50	Carbon dots with efficient solid-state photoluminescence towards white light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 11416-11420.	2.7	98
51	Photoluminescence Properties of ZnWO4:Eu3+Nanocrystals Prepared by a Hydrothermal Method. Journal of Physical Chemistry C, 2007, 111, 7586-7592.	1.5	96
52	Influence of the TGA Modification on Upconversion Luminescence of Hexagonal-Phase NaYF₄:Yb³⁺, Er³⁺ Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 8219-8226.	1.5	96
53	Engineered IrO₂@NiO Coreâ€“Shell Nanowires for Sensitive Non-enzymatic Detection of Trace Glucose in Saliva. Analytical Chemistry, 2016, 88, 12346-12353.	3.2	94
54	Light-induced change of charge transfer band in nanocrystalline Y2O3:Eu3+. Applied Physics Letters, 2002, 81, 1776-1778.	1.5	92

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55	Porous In₂O₃:RE (RE = Gd, Tb, Dy, Ho, Er, Tm, Yb) Nanotubes: Electrospinning Preparation and Room Gas-Sensing Properties. Journal of Physical Chemistry C, 2010, 114, 9089-9095.	1.5	89
56	Remarkable enhancement of upconversion fluorescence and confocal imaging of PMMA Opal/NaYF4:Yb3+, Tm3+/Er3+ nanocrystals. Chemical Communications, 2013, 49, 3781.	2.2	89
57	Synthesis of Au/Graphene Oxide Composites for Selective and Sensitive Electrochemical Detection of Ascorbic Acid. Scientific Reports, 2014, 4, 7515.	1.6	88
58	A novel strategy for improving upconversion luminescence of NaYF4:Yb, Er nanocrystals by coupling with hybrids of silver plasmon nanostructures and poly(methyl methacrylate) photonic crystals. Nano Research, 2013, 6, 795-807.	5.8	84
59	Highly enhanced gas sensing properties of porous SnO2â€“CeO2 composite nanofibers prepared by electrospinning. Sensors and Actuators B: Chemical, 2013, 185, 231-237.	4.0	84
60	Photon management to reduce energy loss in perovskite solar cells. Chemical Society Reviews, 2021, 50, 7250-7329.	18.7	83
61	Radio Frequency Magnetron Sputtering Deposition of TiO2 Thin Films and Their Perovskite Solar Cell Applications. Scientific Reports, 2016, 5, 17684.	1.6	81
62	Synergistic Upconversion Enhancement Induced by Multiple Physical Effects and an Angle-Dependent Anticounterfeit Application. Chemistry of Materials, 2017, 29, 6799-6809.	3.2	81
63	Novel Energy-Transfer Route and Enhanced Luminescent Properties in YVO4:Eu3+/YBO3:Eu3+Composite. Chemistry of Materials, 2006, 18, 4526-4532.	3.2	79
64	Ag nanoparticles coated NiO nanowires hierarchical nanocomposites electrode for nonenzymatic glucose biosensing. Sensors and Actuators B: Chemical, 2013, 182, 675-681.	4.0	79
65	NaYF₄:Yb,Tm nanocrystals and TiO₂ inverse opal composite films: a novel device for upconversion enhancement and solid-based sensing of avidin. Nanoscale, 2014, 6, 5859-5870.	2.8	79
66	Controllable Synthesis and Size-Dependent Luminescent Properties of YVO₄:Eu³⁺ Nanospheres and Microspheres. Journal of Physical Chemistry C, 2010, 114, 14018-14024.	1.5	78
67	Impurity Ions Codoped Cesium Lead Halide Perovskite Nanocrystals with Bright White Light Emission toward Ultravioletâ€“White Light-Emitting Diode. ACS Applied Materials & Interfaces, 2018, 10, 39040-39048.	4.0	78
68	Electrospinning Preparation and Photoluminescence Properties of Rare-Earth Complex/Polymer Composite Fibers. Journal of Physical Chemistry C, 2007, 111, 6524-6527.	1.5	77
69	Phase transition, size control and color tuning of NaREF4:Yb3+, Er3+ (RE = Y, Lu) nanocrystals. Nanoscale, 2013, 5, 3412.	2.8	77
70	Three-dimensional ordered ZnOâ€“Fe3O4 inverse opal gas sensor toward trace concentration acetone detection. Sensors and Actuators B: Chemical, 2017, 252, 367-374.	4.0	76
71	Enhanced Performance and Photostability of Perovskite Solar Cells by Introduction of Fluorescent Carbon Dots. ACS Applied Materials & Interfaces, 2017, 9, 14518-14524.	4.0	76
72	Efficient and Stable CsPb(Br/I)₃@Anthracene Composites for White Light-Emitting Devices. ACS Applied Materials & Interfaces, 2018, 10, 16768-16775.	4.0	74

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73	All-inorganic perovskite quantum dot/TiO₂ inverse opal electrode platform: stable and efficient photoelectrochemical sensing of dopamine under visible irradiation. Nanoscale, 2018, 10, 10505-10513.	2.8	73
74	Effective blue-violet photoluminescence through lanthanum and fluorine ions co-doping for CsPbCl₃ perovskite quantum dots. Nanoscale, 2019, 11, 2484-2491.	2.8	72
75	Quercetinâ€Loaded Ceria Nanocomposite Potentiate Dualâ€Directional Immunoregulation via Macrophage Polarization against Periodontal Inflammation. Small, 2021, 17, e2101505.	5.2	72
76	Antibacterial Zeolite Imidazole Frameworks with Manganese Doping for Immunomodulation to Accelerate Infected Wound Healing. Advanced Healthcare Materials, 2021, 10, e2101515.	3.9	72
77	Plasmon-Enhanced Upconversion Luminescence on Vertically Aligned Gold Nanorod Monolayer Supercrystals. ACS Applied Materials & Interfaces, 2016, 8, 11667-11674.	4.0	71
78	Graphene quantum dot-functionalized three-dimensional ordered mesoporous ZnO for acetone detection toward diagnosis of diabetes. Nanoscale, 2019, 11, 11496-11504.	2.8	71
79	Oxygen Selfâ€Sufficient Nanoplatform for Enhanced and Selective Antibacterial Photodynamic Therapy against Anaerobeâ€Induced Periodontal Disease. Advanced Functional Materials, 2021, 31, 2101040.	7.8	71
80	Enhanced Photoluminescence and Photoresponsiveness of Eu³⁺ Ionsâ€Doped CsPbCl₃ Perovskite Quantum Dots under High Pressure. Advanced Functional Materials, 2021, 31, 2100930.	7.8	71
81	Modulation of upconversion luminescence in Er3+, Yb3+-codoped lanthanide oxyfluoride (YOF, GdOF,) Tj ETQq1 1 0.784314 rgBT /Ov	2.7	70
82	Semiconductor plasmon-sensitized broadband upconversion and its enhancement effect on the power conversion efficiency of perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 16559-16567.	5.2	70
83	Novel nanoparticles of cerium-doped zeolitic imidazolate frameworks with dual benefits of antibacterial and anti-inflammatory functions against periodontitis. Journal of Materials Chemistry B, 2019, 7, 6955-6971.	2.9	70
84	Zinc oxide inverse opal electrodes modified by glucose oxidase for electrochemical and photoelectrochemical biosensor. Biosensors and Bioelectronics, 2014, 59, 350-357.	5.3	69
85	Understanding the noble metal modifying effect on In₂O₃ nanowires: highly sensitive and selective gas sensors for potential early screening of multiple diseases. Nanoscale Horizons, 2019, 4, 1361-1371.	4.1	69
86	Noninvasive temperature monitoring for dual-modal tumor therapy based on lanthanide-doped up-conversion nanocomposites. Biomaterials, 2019, 201, 42-52.	5.7	67
87	Dye Sensitization and Local Surface Plasmon Resonance-Enhanced Upconversion Luminescence for Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 24737-24746.	4.0	65
88	Highly enhanced long time stability of perovskite solar cells by involving a hydrophobic hole modification layer. Nano Energy, 2017, 32, 165-173.	8.2	63
89	In Situ Investigation of Li and Na Ion Transport with Single Nanowire Electrochemical Devices. Nano Letters, 2015, 15, 3879-3884.	4.5	61
90	A novel approach for designing efficient broadband photodetectors expanding from deep ultraviolet to near infrared. Light: Science and Applications, 2022, 11, 91.	7.7	61

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91	Huge upconversion luminescence enhancement by a cascade optical field modulation strategy facilitating selective multispectral narrow-band near-infrared photodetection. Light: Science and Applications, 2020, 9, 184.	7.7	60
92	Structure and Upconversion Luminescence of Hydrothermal PbWO₄:Er³⁺, Yb³⁺Powders. Journal of Physical Chemistry C, 2008, 112, 19694-19698.	1.5	59
93	Ultra-broad plasma resonance enhanced multicolor emissions in an assembled Ag/NaYF4:Yb,Er nano-film. Nanoscale, 2012, 4, 6971.	2.8	59
94	Selective photothermal therapy for breast cancer with targeting peptide modified gold nanorods. Dalton Transactions, 2012, 41, 11134.	1.6	59
95	Amphiphilic silane modified NaYF4:Yb,Er loaded with Eu(TTA)3(TPPO)2 nanoparticles and their multi-functions: dual mode temperature sensing and cell imaging. Nanoscale, 2013, 5, 8541.	2.8	59
96	Semiconductor Plasmon Induced Up-Conversion Enhancement in mCu_{2â€“x}S@SiO₂@Y₂O₃:Yb³⁺/Er³⁺ Coreâ€“Shell Nanocomposites. ACS Applied Materials & Interfaces, 2017, 9, 35226-35233.	9.5	59
97	Carrier Interfacial Engineering by Bismuth Modification for Efficient and Thermoresistant Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1703659.	10.2	59
98	Dual interfacial modifications by conjugated small-molecules and lanthanides doping for full functional perovskite solar cells. Nano Energy, 2018, 53, 849-862.	8.2	59
99	Au@ZnO functionalized threeâ€“dimensional macroporous WO3: A application of selective H2S gas sensor for exhaled breath biomarker detection. Sensors and Actuators B: Chemical, 2020, 324, 128725.	4.0	59
100	Microstructure and optical properties of Eu3+ activated YV1â^’xPxO4 phosphors. Journal of Applied Physics, 2008, 104, 084910.	1.1	58
101	YVO4:Eu3+,Bi3+ UV to visible conversion nano-films used for organic photovoltaic solar cells. Journal of Materials Chemistry, 2011, 21, 12331.	6.7	57
102	Electrospun three-dimensional porous CuO/TiO2 hierarchical nanocomposites electrode for nonenzymatic glucose biosensing. Electrochemistry Communications, 2012, 20, 75-78.	2.3	57
103	Smart biosensors and intelligent devices for salivary biomarker detection. TrAC - Trends in Analytical Chemistry, 2021, 140, 116281.	5.8	57
104	Electrospinning Preparation and Photoluminescence Properties of Lanthanum Phosphate Nanowires and Nanotubes. Journal of Physical Chemistry C, 2009, 113, 9609-9615.	1.5	56
105	Glucose-assisted synthesis of hierarchical NiO-ZnO heterostructure with enhanced glycol gas sensing performance. Sensors and Actuators B: Chemical, 2021, 329, 129167.	4.0	56
106	Incorporating of Lanthanides Ions into Perovskite Film for Efficient and Stable Perovskite Solar Cells. Small, 2020, 16, e2001770.	5.2	55
107	NIR responsive nitric oxide nanogenerator for enhanced biofilm eradication and inflammation immunotherapy against periodontal diseases. Nano Today, 2022, 43, 101447.	6.2	55
108	Chiral electronic transitions of YVO₄:Eu³⁺ nanoparticles in cellulose based photonic materials with circularly polarized excitation. Journal of Materials Chemistry C, 2015, 3, 3384-3390.	2.7	54

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109	Wire-in-Tube IrO_x Architectures: Alternative Label-Free Immunosensor for Amperometric Immunoassay toward Î±-Fetoprotein. ACS Applied Materials & Interfaces, 2015, 7, 22719-22726.	4.0	54
110	Luminescent enhancement in europium-doped yttria nanotubes coated with yttria. Applied Physics Letters, 2006, 88, 143104.	1.5	53
111	Localized surface plasmon resonances in self-doped copper chalcogenide binary nanocrystals and their emerging applications. Nano Today, 2020, 33, 100892.	6.2	53
112	Synergistic Effects of Multifunctional Lanthanides Doped CsPbBrCl₂ Quantum Dots for Efficient and Stable MAPbI₃ Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, .	7.8	53
113	High-Performance CsPbIBr₂ Perovskite Solar Cells: Effectively Promoted Crystal Growth by Antisolvent and Organic Ion Strategies. ACS Applied Materials & Interfaces, 2019, 11, 33868-33878.	4.0	52
114	Broad White Light and Infrared Emission Bands in YVO$_{4}$:Yb^{3+},Ln^{3+} (Ln^{3+} =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	51
115	Interfacial Engineering and Photon Downshifting of CsPbBr₃ Nanocrystals for Efficient, Stable, and Colorful Vapor Phase Perovskite Solar Cells. Advanced Science, 2019, 6, 1802046.	5.6	51
116	Three-Dimensionally Ordered Macroporous ZrO₂:Eu³⁺: Photonic Band Effect and Local Environments. Journal of Physical Chemistry C, 2009, 113, 5906-5911.	1.5	50
117	Highly sensitive and selective acetone sensor based on three-dimensional ordered WO3/Au nanocomposite with enhanced performance. Sensors and Actuators B: Chemical, 2020, 320, 128405.	4.0	50
118	Learning From Plants: Lycopene Additive Passivation toward Efficient and â€œFreshâ€•Perovskite Solar Cells with Oxygen and Ultraviolet Resistance. Advanced Energy Materials, 2022, 12, .	10.2	50
119	A sensitive labelâ€“free amperometric immunosensor for alpha-fetoprotein based on gold nanorods with different aspect ratio. Scientific Reports, 2015, 5, 9939.	1.6	49
120	Ag-SiO2-Er2O3 Nanocomposites: Highly Effective Upconversion Luminescence at High Power Excitation and High Temperature. Scientific Reports, 2015, 4, 5087.	1.6	49
121	Highly dispersed Metalâ€“Organic-Framework-Derived Pt nanoparticles on three-dimensional macroporous ZnO for trace-level H2S sensing. Sensors and Actuators B: Chemical, 2020, 309, 127802.	4.0	49
122	Carbon dots with efficient solid-state red-light emission through the step-by-step surface modification towards light-emitting diodes. Dalton Transactions, 2018, 47, 3811-3818.	1.6	48
123	Efficient rare earth co-doped TiO2 electron transport layer for high-performance perovskite solar cells. Journal of Colloid and Interface Science, 2019, 553, 14-21.	5.0	48
124	Yb₂O₃/Au Upconversion Nanocomposites with Broad-Band Excitation for Solar Cells. Journal of Physical Chemistry C, 2014, 118, 3258-3265.	1.5	46
125	Three-dimensional ordered SnO2 inverse opals for superior formaldehyde gas-sensing performance. Sensors and Actuators B: Chemical, 2013, 188, 235-241.	4.0	45
126	Super-intense white upconversion emission of Yb_2O_3 polycrystals and its application on luminescence converter of dye-sensitized solar cells. Optics Letters, 2013, 38, 3340.	1.7	45

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127	Paper-based upconversion fluorescence resonance energy transfer biosensor for sensitive detection of multiple cancer biomarkers. Scientific Reports, 2016, 6, 23406.	1.6	45
128	Modified spontaneous emissions of europium complex in weak PMMA opals. Physical Chemistry Chemical Physics, 2011, 13, 18023.	1.3	44
129	Concentration-controlled emission in LaF3:Yb3+/Tm3+ nanocrystals: switching from UV to NIR regions. Journal of Materials Chemistry, 2012, 22, 24698.	6.7	43
130	Highly Luminescent YVO₄â”Eu³⁺ Nanocrystals Coating on Wirelike Y(OH)₃â”Eu³⁺ and Y₂O₃â”Eu³⁺ Microcrystals by Chemical Corrosion. Journal of Physical Chemistry C, 2007, 111, 12472-12477.	1.5	42
131	Influence of Concentration Effect and Au Coating on Photoluminescence Properties of YVO₄:Eu³⁺Nanoparticle Colloids. Journal of Physical Chemistry C, 2010, 114, 9975-9980.	1.5	42
132	Inhibited Long-Scale Energy Transfer in Dysprosium Doped Yttrium Vanadate Inverse Opal. Journal of Physical Chemistry C, 2012, 116, 2297-2302.	1.5	42
133	320-fold luminescence enhancement of [Ru(dpp)3]Cl2 dispersed on PMMA opal photonic crystals and highly improved oxygen sensing performance. Light: Science and Applications, 2014, 3, e209-e209.	7.7	42
134	Considerably enhanced perovskite solar cells via the introduction of metallic nanostructures. Journal of Materials Chemistry A, 2017, 5, 6515-6521.	5.2	42
135	High brightness blue light-emitting diodes based on CsPb(Cl/Br)₃ perovskite QDs with phenethylammonium chloride passivation. Nanoscale, 2020, 12, 11728-11734.	2.8	42
136	Enhancing Photostability of Perovskite Solar Cells by Eu(TTA)₂(Phen)MAA Interfacial Modification. ACS Applied Materials & Interfaces, 2019, 11, 11481-11487.	4.0	41
137	A multi-platform sensor for selective and sensitive H2S monitoring: Three-dimensional macroporous ZnO encapsulated by MOFs with small Pt nanoparticles. Journal of Hazardous Materials, 2022, 426, 128075.	6.5	41
138	Upconversion ladder enabled super-sensitive narrowband near-infrared photodetectors based on rare earth doped florine perovskite nanocrystals. Nano Energy, 2020, 76, 105103.	8.2	40
139	CdS quantum dots modified CuO inverse opal electrodes for ultrasensitive electrochemical and photoelectrochemical biosensor. Scientific Reports, 2015, 5, 10838.	1.6	39
140	Vertically stacked holey graphene/polyaniline heterostructures with enhanced energy storage for on-chip micro-supercapacitors. Nano Research, 2016, 9, 1012-1021.	5.8	39
141	A novel upconversion luminescence derived photoelectrochemical immunoassay: ultrasensitive detection to alpha-fetoprotein. Nanoscale, 2017, 9, 16357-16364.	2.8	39
142	Fluorescence resonance energy transfer between NaYF4:Yb,Tm upconversion nanoparticles and gold nanorods: Near-infrared responsive biosensor for streptavidin. Journal of Luminescence, 2014, 147, 278-283.	1.5	38
143	Highly Efficient and Stable Inorganic Perovskite Quantum Dots by Embedding into a Polymer Matrix. ChemNanoMat, 2019, 5, 346-351.	1.5	38
144	Preparation and Upconversion Luminescence of Three-Dimensionally Ordered Macroporous ZrO₂: Er³⁺, Yb³⁺. Inorganic Chemistry, 2008, 47, 9654-9659.	1.9	37

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145	Highly improved upconversion luminescence in NaGd(WO₄)₂:Yb³⁺/Tm³⁺inverse opal photonic crystals. Nanoscale, 2015, 7, 1363-1373.	2.8	37
146	Controlled size and morphology, and phase transition of YF₃:Yb³⁺,Er³⁺ and YOF:Yb³⁺,Er³⁺ nanocrystals for fine color tuning. Journal of Materials Chemistry C, 2016, 4, 331-339.	2.7	37
147	Highly sensitive and selective detection of mercury ions based on up-conversion FRET from NaYF₄:Yb³⁺/Er³⁺ nanophosphors to CdTe quantum dots. RSC Advances, 2015, 5, 99099-99106.	1.7	36
148	Increasing the Efficiency of Organic Dyeâ€Sensitized Solar Cells over 10.3% Using Locally Ordered Inverse Opal Nanostructures in the Photoelectrode. Advanced Functional Materials, 2018, 28, 1706291.	7.8	36
149	Performance improvement of photoelectrochemical NO2 gas sensing at room temperature by BiVO4-polyoxometalate nanocomposite photoanode. Sensors and Actuators B: Chemical, 2018, 272, 289-295.	4.0	36
150	NaYF₄:Yb³⁺,Tm³⁺ inverse opal photonic crystals and NaYF₄:Yb³⁺,Tm³⁺/TiO₂ composites: synthesis, highly improved upconversion properties and NIR photoelectric response. Journal of Materials Chemistry C, 2016, 4, 659-662.	2.7	35
151	Zwitterionic Ionic Liquid Confer Defect Tolerance, High Conductivity, and Hydrophobicity toward Efficient Perovskite Solar Cells Exceeding 22% Efficiency. Solar Rrl, 2021, 5, 2100352.	3.1	35
152	Tunable silica shell and its modification on photoluminescent properties of Y2O3:Eu3+@SiO2 nanocomposites. Journal of Applied Physics, 2012, 111, .	1.1	34
153	Nd₂O₃/Au nanocomposites: upconversion broadband emission and enhancement under near-infrared light excitation. Journal of Materials Chemistry C, 2014, 2, 5857-5863.	2.7	34
154	Three-dimensional In₂O₃â€“CuO inverse opals: synthesis and improved gas sensing properties towards acetone. RSC Advances, 2016, 6, 57389-57395.	1.7	34
155	Three-Dimensional Inverse Opal Photonic Crystal Substrates toward Efficient Capture of Circulating Tumor Cells. ACS Applied Materials & Interfaces, 2017, 9, 30510-30518.	4.0	34
156	Highly efficient near-infrared hybrid perovskite solar cells by integrating with a novel organic bulk-heterojunction. Nano Energy, 2020, 77, 105181.	8.2	34
157	Grain boundary defect passivation by in situ formed wide-bandgap lead sulfate for efficient and stable perovskite solar cells. Chemical Engineering Journal, 2021, 426, 130685.	6.6	34
158	Fabrication of Au-Ag nanocage@NaYF4@NaYF4:Yb,Er Core-Shell Hybrid and its Tunable Upconversion Enhancement. Scientific Reports, 2017, 7, 41079.	1.6	33
159	Remarkable Enhancement of Upconversion Luminescence on Cap-Ag/PMMA Ordered Platform and Trademark Anticounterfeiting. ACS Applied Materials & Interfaces, 2017, 9, 37128-37135.	4.0	33
160	Rational Control of Size and Photoluminescence of WS₂ Quantum Dots for White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 43824-43830.	4.0	33
161	Bright red YCl3-promoted CsPbI3 perovskite nanorods towards efficient light-emitting diode. Nano Energy, 2021, 81, 105615.	8.2	33
162	Mn2+ ions doped lead-free zero-dimensional K3SbCl6 perovskite nanocrystals towards white light emitting diodes. Chemical Engineering Journal, 2021, 413, 127415.	6.6	33

#	Article	IF	Citations
163	Self-assembly, highly modified spontaneous emission and energy transfer properties of LaPO4:Ce3+, Tb3+ inverse opals. Dalton Transactions, 2013, 42, 8049.	1.6	32
164	Facilely prepared carbon dots and rare earth ion doped hybrid composites for ratio-metric pH sensing and white-light emission. RSC Advances, 2016, 6, 61468-61472.	1.7	32
165	High purity microfluidic sorting and in situ inactivation of circulating tumor cells based on multifunctional magnetic composites. Biomaterials, 2017, 138, 69-79.	5.7	32
166	Improving Efficiency and Light Stability of Perovskite Solar Cells by Incorporating YVO₄:Eu₃⁺, Bi₃⁺ Nanophosphor into the Mesoporous TiO₂ Layer. ACS Applied Energy Materials, 2018, 1, 2096-2102.	2.5	32
167	Broadband Plasmonic Antenna Enhanced Upconversion and Its Application in Flexible Fingerprint Identification. Advanced Optical Materials, 2018, 6, 1701119.	3.6	32
168	Size-dependent downconversion near-infrared emission of NaYF4:Yb3+,Er3+ nanoparticles. Journal of Materials Chemistry C, 2017, 5, 2451-2458.	2.7	31
169	Plasmonic Cu_{1.8}S nanocrystals as saturable absorbers for passively Q-switched erbium-doped fiber lasers. Journal of Materials Chemistry C, 2017, 5, 4034-4039.	2.7	31
170	Fabrication and near-infrared photothermal conversion characteristics of Au nanoshells. Applied Physics Letters, 2005, 86, 113109.	1.5	30
171	Modulation of the photoluminescence in carbon dots through surface modification: from mechanism to white light-emitting diodes. Nanotechnology, 2018, 29, 245702.	1.3	30
172	Cobalt-doped ZnO nanoparticles derived from zeolite imidazole frameworks: Synthesis, characterization, and application for the detection of an exhaled diabetes biomarker. Journal of Colloid and Interface Science, 2020, 569, 358-365.	5.0	30
173	Antibacterial PDT nanoplatform capable of releasing therapeutic gas for synergistic and enhanced treatment against deep infections. Theranostics, 2022, 12, 2580-2597.	4.6	30
174	Downconversion from visible to near infrared through multi-wavelength excitation in Er3+/Yb3+ co-doped NaYF4 nanocrystals. Journal of Applied Physics, 2011, 110, .	1.1	29
175	Amphiphilic Silane Modified Multifunctional Nanoparticles for Magnetically Targeted Photodynamic Therapy. ACS Applied Materials & Interfaces, 2017, 9, 11451-11460.	4.0	29
176	Facile synthesis of controllable TiO2 composite nanotubes via templating route: Highly sensitive detection of toluene by double driving from Pt@ZnO NPs. Sensors and Actuators B: Chemical, 2018, 273, 1676-1686.	4.0	29
177	Broadband Ultraviolet Photodetectors Based on Cerium Doped Lead-Free Cs₃MnBr₅ Metal Halide Nanocrystals. ACS Sustainable Chemistry and Engineering, 2021, 9, 4980-4987.	3.2	29
178	Rare earth doping in perovskite luminescent nanocrystals and photoelectric devices. Nano Select, 2022, 3, 531-554.	1.9	29
179	Analysis of Cross-Reactive Neutralizing Antibodies in Human HFMD Serum with an EV71 Pseudovirus-Based Assay. PLoS ONE, 2014, 9, e100545.	1.1	29
180	Solvothermal synthesis and luminescence properties of monodisperse Gd2O3:Eu3+ and Gd2O3:Eu3+@SiO2 nanospheres. Journal of Solid State Chemistry, 2010, 183, 2779-2785.	1.4	28

#	Article	IF	Citations
181	Highly modified spontaneous emissions in YVO4:Eu3+ inverse opal and refractive index sensing application. Applied Physics Letters, 2012, 100, 081104.	1.5	28
182	Phonon-modulated upconversion luminescence properties in some Er3+ and Yb3+ co-activated oxides. Journal of Materials Chemistry C, 2014, 2, 4642.	2.7	28
183	Chiral nematic mesoporous films of Y₂O₃:Eu³⁺ with tunable optical properties and modulated photoluminescence. Journal of Materials Chemistry C, 2014, 2, 9189-9195.	2.7	28
184	Photoelectrochemical detection of alpha-fetoprotein based on ZnO inverse opals structure electrodes modified by Ag2S nanoparticles. Scientific Reports, 2016, 6, 38400.	1.6	28
185	Label-free electrochemical immunosensor based on conductive Ag contained EMT-style nano-zeolites and the application for Î±-fetoprotein detection. Sensors and Actuators B: Chemical, 2018, 255, 2919-2926.	4.0	28
186	Near-infrared-light-triggered photoelectrochemical biosensor for detection of alpha-fetoprotein based on upconversion nanophosphors. Sensors and Actuators B: Chemical, 2019, 286, 468-475.	4.0	28
187	Lowâ€Temperature Electron Beam Deposition of Znâ€SnO_x for Stable and Flexible Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900266.	3.1	27
188	A label-free electrochemical immunosensor based on facet-controlled Au nanorods/reduced graphene oxide composites for prostate specific antigen detection. Sensors and Actuators B: Chemical, 2021, 336, 129748.	4.0	27
189	Self-assembly and modified luminescence properties of NaY(MoO₄)₂:Tb³⁺, Eu³⁺inverse opals. Dalton Transactions, 2014, 43, 13293.	1.6	26
190	Synergistic effects of photonic crystal and gold nanostars for quantitative SERS detection of 3-Phenoxybenzoic acid. Applied Surface Science, 2019, 476, 587-593.	3.1	26
191	Double Stopband Bilayer Photonic Crystal Based Upconversion Fluorescence PSA Sensor. Sensors and Actuators B: Chemical, 2021, 326, 128816.	4.0	26
192	Europium ions doped WOx nanorods for dual interfacial modification facilitating high efficiency and stability of perovskite solar cells. Nano Energy, 2021, 80, 105564.	8.2	26
193	Luminescent properties of YBO3:Eu3+ nanosheets and microstructural materials consisting of nanounits. Journal of Luminescence, 2007, 122-123, 882-885.	1.5	25
194	Chemical inhibition of reversible decomposition for efficient and super-stable perovskite solar cells. Nano Energy, 2020, 68, 104315.	8.2	25
195	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. Applied Physics Express, 2012, 5, 102701.	1.1	24
196	Non-enzymatic electrochemical detection of H2O2 by assembly of CuO nanoparticles and black phosphorus nanosheets for early diagnosis of periodontitis. Sensors and Actuators B: Chemical, 2022, 355, 131298.	4.0	24
197	Remarkable fluorescence enhancement in YVO4:Eu3+@Ag nano-hybrids induced by interface effect. RSC Advances, 2012, 2, 2047.	1.7	23
198	Non-photobleaching YAG:Ce nanoparticles for optical imaging with blue excitation. RSC Advances, 2012, 2, 3897.	1.7	23

#	Article	IF	Citations
199	Strontium titanate nanoparticles as the photoanode for CdS quantum dot sensitized solar cells. RSC Advances, 2015, 5, 4844-4852.	1.7	23
200	Enhanced nitrogen oxide sensing performance based on tin-doped tungsten oxide nanoplates by a hydrothermal method. Journal of Colloid and Interface Science, 2018, 512, 740-749.	5.0	23
201	Three-dimensional graphene oxide foams loaded with AuPd alloy: a sensitive electrochemical sensor for dopamine. Mikrochimica Acta, 2018, 185, 397.	2.5	23
202	CdS/CdSe quantum dots and ZnPc dye co-sensitized solar cells with Au nanoparticles/graphene oxide as efficient modified layer. Journal of Colloid and Interface Science, 2016, 480, 49-56.	5.0	22
203	Photoluminescence enhancement of carbon dots induced by hybrids of photonic crystals and goldâ€“silver alloy nanoparticles. Journal of Materials Chemistry C, 2018, 6, 147-152.	2.7	22
204	In situ preparation of two-dimensional ytterbium ions doped all-inorganic perovskite nanosheets for high-performance visual dual-bands photodetectors. Nano Energy, 2022, 93, 106815.	8.2	22
205	Dual Modification Engineering via Lanthanideâ€Based Halide Quantum Dots and Black Phosphorus Enabled Efficient Perovskite Solar Cells with High Openâ€Voltage of 1.235ÂV. Advanced Functional Materials, 2022, 32, .	7.8	22
206	Preparation and Luminescent Properties of YVO4:Eu3+ Nanofibers by Electrospinning. Journal of Nanoscience and Nanotechnology, 2008, 8, 1432-1436.	0.9	21
207	Observation of Lamb shift and modified spontaneous emission dynamics in the YBO_3:Eu^3+ inverse opal. Optics Letters, 2010, 35, 2898.	1.7	21
208	Glutathione modified gold nanorods with excellent biocompatibility and weak protein adsorption, targeting imaging and therapy toward tumor cells. Dalton Transactions, 2013, 42, 11548.	1.6	21
209	Doped In 2 O 3 inverse opals as photoanode for dye sensitized solar cells. Journal of Colloid and Interface Science, 2015, 450, 196-201.	5.0	21
210	Dysprosium, Holmium and Erbium ions doped Indium Oxide nanotubes as photoanodes for dye sensitized solar cells and improved device performance. Journal of Colloid and Interface Science, 2015, 440, 162-167.	5.0	21
211	Ce6-C6-TPZ co-loaded albumin nanoparticles for synergistic combined PDT-chemotherapy of cancer. Journal of Materials Chemistry B, 2019, 7, 5797-5807.	2.9	21
212	Aluminum-doped lead-free double perovskite Cs2AgBiCl6 nanocrystals with ultrahigh stability towards white light emitting diodes. Materials Research Bulletin, 2022, 147, 111645.	2.7	21
213	Toward Broad Spectral Response Inverted Perovskite Solar Cells: Insulating Quantumâ€Cutting Perovskite Nanophosphors and Multifunctional Ternary Organic Bulkâ€Heterojunction. Advanced Energy Materials, 2022, 12, .	10.2	21
214	Fabrication of a humidity-resistant formaldehyde gas sensor through layering a molecular sieve on 3D ordered macroporous SnO2 decorated with Au nanoparticles. Journal of Alloys and Compounds, 2022, 919, 165788.	2.8	21
215	Gd2O3:Eu3+@mesoporous SiO2 bifunctional coreâ€“shell composites: Fluorescence label and drug release. Materials Research Bulletin, 2011, 46, 2296-2303.	2.7	20
216	Inhibited local thermal effect in upconversion luminescence of YVO_4:Yb^3+, Er^3+ inverse opals. Optics Express, 2012, 20, 29673.	1.7	20

#	Article	IF	Citations
217	DNA stabilized Agâ€“Au alloy nanoclusters and their application as sensing probes for mercury ions. RSC Advances, 2016, 6, 51609-51618.	1.7	20
218	Silane modified upconversion nanoparticles with multifunctions: imaging, therapy and hypoxia detection. Scientific Reports, 2016, 6, 22350.	1.6	20
219	A facile and universal strategy for preparation of long wavelength emission carbon dots. Dalton Transactions, 2017, 46, 16905-16910.	1.6	20
220	Efficient and Stable CF₃PEAI-Passivated CsPbI₃ QDs toward Red LEDs. ACS Applied Materials & Interfaces, 2022, 14, 8235-8242.	4.0	20
221	Improved photoluminescent properties in one-dimensional LaPO_4:Eu^3+ nanowires. Optics Letters, 2005, 30, 483.	1.7	19
222	Green fluorescent organic nanoparticles based on carbon dots and self-polymerized dopamine for cell imaging. RSC Advances, 2017, 7, 28987-28993.	1.7	19
223	Carbon dot/polyvinylpyrrolidone hybrid nanofibers with efficient solid-state photoluminescence constructed using an electrospinning technique. Nanotechnology, 2018, 29, 025706.	1.3	19
224	Doping in Semiconductor Oxidesâ€Based Electron Transport Materials for Perovskite Solar Cells Application. Solar Rrl, 2021, 5, 2000605.	3.1	19
225	Xâ€ray diffraction of cubic Gd₂O₃/Er under high pressure. Physica Status Solidi (B): Basic Research, 2011, 248, 1123-1127.	0.7	18
226	Modulation of upconversion white light emission in PMMA/NaYF_4:Yb^3+, Er^3+, Tm^3+ composite photonic crystals. Optics Letters, 2014, 39, 4619.	1.7	18
227	Multiplexed Free-Standing Nanowire Transistor Bioprobe for Intracellular Recording: A General Fabrication Strategy. Nano Letters, 2014, 14, 3602-3607.	4.5	18
228	Water-soluble coumarin oligomer based ultra-sensitive iron ion probe and applications. Sensors and Actuators B: Chemical, 2020, 320, 128361.	4.0	18
229	Multifunctional Reductive Molecular Modulator toward Efficient and Stable Perovskite Solar Cells. Solar Rrl, 2021, 5, 2100320.	3.1	18
230	An ultra-sensitive label-free immunosensor toward alpha-fetoprotein detection based on threeâ€“dimensional ordered IrOx inverse opals. Sensors and Actuators B: Chemical, 2018, 254, 660-668.	4.0	17
231	Unraveling the Dual-Functional Mechanism of Light Absorption and Hole Transport of Cu₂Cd_xZn_{1â€“x}SnS₄ for Achieving Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 17509-17518.	4.0	17
232	Label-free photoelectrochemical biosensor for alpha-fetoprotein detection based on Au/CsxWO3 heterogeneous films. Talanta, 2021, 225, 122074.	2.9	17
233	Electrospinning preparation and photoluminescence properties of SrAl2O4:Ce3+ nanowires. Journal of Materials Science, 2011, 46, 7517-7524.	1.7	16
234	Self assembly of three-dimensional Lu2O3:Eu3+ inverse opal photonic crystals, their modified emissions and dual-functional refractive index sensing. Dalton Transactions, 2013, 42, 14014.	1.6	16

#	Article	IF	Citations
235	Highly modified spontaneous emission in NaY(MoO₄)₂:Yb³⁺/Er³⁺ inverse opal photonic crystals. RSC Advances, 2015, 5, 104862-104869.	1.7	16
236	Toward ultra-thin and full functional perovskite solar cells by broadband light scattering management and efficient interfacial modification. Solar Energy Materials and Solar Cells, 2020, 206, 110297.	3.0	16
237	Efficient energy transfer from inserted CdTe quantum dots to YVO4:Eu3+ inverse opals: a novel strategy to improve and expand visible excitation of rare earth ions. Nanoscale, 2014, 6, 8075.	2.8	15
238	Spectral components and their contributions to the 1.5 Î¼m emission bandwidth of erbium-doped oxide glass. Journal of Applied Physics, 2003, 94, 1325-1328.	1.1	14
239	Batteries: Effect of Carbon Matrix Dimensions on the Electrochemical Properties of Na3V2(PO4)3Nanograins for High-Performance Symmetric Sodium-Ion Batteries (Adv. Mater. 21/2014). Advanced Materials, 2014, 26, 3358-3358.	11.1	14
240	Plasmonic enhancement of the upconversion fluorescence in YVO₄:Yb³⁺, Er³⁺ nanocrystals based on the porous Ag film. Nanotechnology, 2015, 26, 145602.	1.3	14
241	Lowâ€Cost Oneâ€Pot Synthesis of WS₂ Quantum Dots with Wide Emission Spectrum for Lightâ€Emitting Applications. ChemPlusChem, 2018, 83, 1052-1056.	1.3	14
242	Luminescence carbon dot-based nanofibers for a water-insoluble drug release system and their monitoring of drug release. Journal of Materials Chemistry B, 2018, 6, 3579-3585.	2.9	14
243	Highly efficient ligand-modified manganese ion doped CsPbCl3 perovskite quantum dots for photon energy conversion in silicon solar cells. Nanoscale, 2020, 12, 18621-18628.	2.8	14
244	Shape-Controlled Assembly of Nanowires for Photonic Elements. ACS Photonics, 2016, 3, 2285-2290.	3.2	13
245	Au anchored three-dimensional macroporous NiO@CuO inverse opals for in-situ sensing of hydrogen peroxide secretion from living cells. Sensors and Actuators B: Chemical, 2019, 297, 126729.	4.0	13
246	Ni²⁺ and Pr³⁺ Co-doped CsPbCl₃ perovskite quantum dots with efficient infrared emission at 1300 nm. Nanoscale, 2021, 13, 16598-16607.	2.8	13
247	Stable EMT type zeolite/CsPbBr3 perovskite quantum dot nanocomposites for highly sensitive humidity sensors. Journal of Colloid and Interface Science, 2022, 616, 921-928.	5.0	13
248	Luminescent Properties of Rare Earth Ions in One-Dimensional Oxide Nanowires. Journal of Nanoscience and Nanotechnology, 2005, 5, 1519-1531.	0.9	12
249	A strategy for calibrating the actual quantum efficiency of quantum cutting in YVO4:Bi3+(Nd3+), Yb3+. Journal of Applied Physics, 2013, 113, .	1.1	12
250	A Crystalline/Amorphous Cobalt(II,III) Oxide Hybrid Electrocatalyst for Lithiumâ€“Air Batteries. Energy Technology, 2017, 5, 568-579.	1.8	12
251	Ceriumâ€Doped Perovskite Nanocrystals for Extremely Highâ€Performance Deepâ€Ultraviolet Photoelectric Detection. Advanced Optical Materials, 2021, 9, 2100423.	3.6	12
252	Halide anions engineered ionic liquids passivation layer for highly stable inverted perovskite solar cells. Journal of Colloid and Interface Science, 2022, 622, 469-480.	5.0	12

#	Article	IF	Citations
253	ZnWO₄/ZnWO₄â€‰:â€‰Eu³⁺ inverse opal photonic crystal scintillator: efficient phosphors in radiation detection. RSC Advances, 2015, 5, 82748-82755.	1.7	11
254	Self-organized helical superstructure of photonic cellulose loaded with upconversion nanoparticles showing modulated luminescence. RSC Advances, 2016, 6, 76231-76236.	1.7	11
255	White Luminescence by Up-Conversion from Thin Film Made with Ln3+-Doped NaYF4 Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 1254-1257.	0.9	10
256	Controllable chrominance and highly improved luminescent quantum yield of YV_1-xP_xO_4: Tm, Dy, Eu inverse opal white light phosphors. Optics Express, 2013, 21, 25744.	1.7	10
257	Analysis of the upconversion photoluminescence spectra as a probe of local microstructure in Y₂O₃/Eu³⁺nanotubes under high pressure. RSC Advances, 2015, 5, 3130-3134.	1.7	10
258	Efficient energy storage and uvioresistant perovskite solar cells through insulating Y2O2S-based long-lasting phosphor layer. Journal of Power Sources, 2020, 477, 228757.	4.0	10
259	Control of white light emission via co-doping of Dy3+ and Tb3+ ions in LiLuF4 single crystals under UV excitation. Journal of Materials Science: Materials in Electronics, 2020, 31, 3405-3414.	1.1	10
260	Non-Invasive Electrochemical Biosensors for TNF-Î± Cytokines Detection in Body Fluids. Frontiers in Bioengineering and Biotechnology, 2021, 9, 701045.	2.0	10
261	A Novel Ethanol Gas Sensorâ€“ZnS/Cyclohexylamine Hybrid Nanowires. Journal of Nanoscience and Nanotechnology, 2011, 11, 2121-2125.	0.9	9
262	Enhanced upconversion luminescence on the plasmonic architecture of Auâ€“Ag nanocages. RSC Advances, 2016, 6, 86297-86300.	1.7	9
263	Efficient Radiative Enhancement in Perovskite Lightâ€Emitting Devices through Involving a Novel Sandwich Localized Surface Plasmon Structure. Small Methods, 2022, 6, e2200163.	4.6	9
264	Unglycosylated recombinant human glutathione peroxidase 3 mutant from Escherichia coli is active as a monomer. Scientific Reports, 2015, 4, 6698.	1.6	8
265	High fluorescence LaOBr/coumarin organicâ€“inorganic composite nanomaterials for ultra-sensitive Fe³⁺ sensing, fluorescence imaging and water-based ink anti-counterfeiting applications. Journal of Materials Chemistry C, 2020, 8, 13733-13742.	2.7	8
266	Introducing ytterbium acetate to luminescent CsPbCl₃ nanocrystals for enhanced sensitivity of Cu²⁺ detection. Inorganic Chemistry Frontiers, 2021, 9, 44-50.	3.0	8
267	Influence of photonic stop band effect on photoluminescence of Y2O3:Eu3+ inverse opal films. Chemical Physics Letters, 2011, 509, 33-36.	1.2	7
268	Flexible double narrowband near-infrared photodetector based on PMMA/coreâ€“shell upconversion nanoparticle composites. Journal of Rare Earths, 2022, 40, 211-217.	2.5	7
269	Synergistic Regulation Effect of Nitrate and Calcium Ions for Highly Luminescent and Robust Î±â€CsPbI₃ Perovskite. Small, 2022, 18, e2106147.	5.2	7
270	Narrowband Near-Infrared Photodetectors Based on Perovskite Waveguide Devices. Journal of Physical Chemistry Letters, 2022, 13, 6057-6063.	2.1	7

#	Article	IF	Citations
271	Antiâ€Tumor Effect of Copper Sulfide Nanoparticles Carrying siRNA and Adriamycin. ChemistrySelect, 2019, 4, 3636-3641.	0.7	6
272	White Luminescence by Up-Conversion from Thin Film Made with Ln3+-Doped NaYF4 Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 1254-1257.	0.9	6
273	3-Ammonium Propionic Acid: A Cation Tailoring Crystal Structure of Hybrid Perovskite for Improving Photovoltaic Performance. ACS Applied Energy Materials, 2021, 4, 14662-14670.	2.5	6
274	Upconversion luminescence based inverted microfluidic chip for in situ CTCs capture, monitor and killing. Chemical Engineering Journal, 2022, 448, 137761.	6.6	6
275	Cr3+-doped LiNbO3 crystals grown by the Bridgman method. Crystal Research and Technology, 2005, 40, 199-203.	0.6	5
276	Controlled synthesis of ytterbium ion and erbium ion codoped gadolinium oxyfluoride hollow nanosphere with upconversion luminescence property. Journal of Materials Research, 2013, 28, 848-855.	1.2	5
277	Identification of cinobufagin and resibufogenin as inhibitors of enterovirus 71 infection. Chemical Research in Chinese Universities, 2014, 30, 953-958.	1.3	5
278	Highly Stable and Efficient Mn²⁺ Doping Zero-Dimension Cs₂Zn_xPb_{1â€“x}Cl₄ Alloyed Nanorods toward White Electroluminescent Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2022, 13, 2379-2387.	2.1	5
279	Origin of the wavelength-dependence of effective trap density in photorefractive BaTiO3:Ce. Journal of Applied Physics, 2000, 88, 6981-6986.	1.1	4
280	Dual Interfacial Modification Engineering for Highly Efficient and Stable Perovskite Solar Cells. Solar Rrl, 2021, 5, 2000652.	3.1	4
281	Interfacial Modification Engineering with Cs₃Cu₂I₅ Nanocrystals for Efficient and Stable Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	4
282	Silver nanotorus and nanoparticles on silica wafer: optical properties and investigation of PVA in the formation process. Journal of Materials Science: Materials in Electronics, 2011, 22, 64-71.	1.1	3
283	Investigation of the lattice behavior of cubic Y₂O₃/Eu³⁺ nanotubes under high pressure. Physica Status Solidi (B): Basic Research, 2016, 253, 2204-2208.	0.7	3
284	Highly efficient and stable perovskite solar cells based on Eâ€beam evaporated SnO2 and rational interface defects passivation. Nano Select, 0, , .	1.9	3
285	High voltage preparation, characterization, and optical properties of silver dendrites in PVA matrix. Frontiers of Optoelectronics in China, 2010, 3, 205-210.	0.2	2
286	Enhanced UC red emission in Ce3+/Yb3+/Ho3+ tri-doped Na5Lu9F32 single crystals. Journal of Materials Science: Materials in Electronics, 2019, 30, 10814-10820.	1.1	2
287	Amphiphilic silane modified multifunctional nanoparticles for ratiometric oxygen sensing. RSC Advances, 2017, 7, 34118-34124.	1.7	1
288	Three-order fluorescence enhancement of perovskite nanocrystals using plasmonic Ag@SiO2 nanocomposites. Journal of Materials Chemistry C, 0, , .	2.7	1

#	Article	IF	Citations
289	Growth of KAlF₄ and Na₅Al₃F₁₄ Aluminum Fluoride Single Crystals by Bridgman Method. Crystal Research and Technology, 2022, 57, .	0.6	1
290	Study on Photoemission and Tunneling in Light - Modulated Scanning Tunneling Microscopy. , 2018, , .		0
291	Study on Photoemission of Patterned Carbon Nanotubes Modified with Gold Nanoparticles. , 2018, , .		0
292	One-dimensional rare earth compounds and complexes: preparation and improved photoluminescence properties. Journal of Nanoscience and Nanotechnology, 2008, 8, 1316-25.	0.9	0