

Ling Huang

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.

203
papers

10,421
citations

57
h-index

95
g-index

212
ext. papers

11,992
ext. citations

10.6
avg, IF

6.37
L-index

#	Paper	IF	Citations
203	Ferrocene-functionalized core-shell lanthanide-doped upconversion nanoparticles: NIR light promoted chemodynamic therapy and luminescence imaging of solid tumors. <i>Chemical Engineering Journal</i> , 2022 , 438, 135637	14.7	2
202	Persistent-Luminescence Phosphors: Trap Energy Upconversion-Like Near-Infrared to Near-Infrared Light Rejuvenateable Persistent Luminescence (Adv. Mater. 15/2021). <i>Advanced Materials</i> , 2021 , 33, 2170118	24.18	1
201	Chemical-Pressure-Modulated BaTiO Thin Films with Large Spontaneous Polarization and High Curie Temperature. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6491-6497	16.4	14
200	Perovskite Oxides for Cathodic Electrocatalysis of Energy-Related Gases: From O ₂ to CO ₂ and N ₂ . <i>Advanced Functional Materials</i> , 2021 , 31, 2101872	15.6	7
199	Enhancing Rechargeable Persistent Luminescence via Organic Dye Sensitization. <i>Angewandte Chemie</i> , 2021 , 133, 16022-16026	3.6	0
198	Colour modulation and enhancement of upconversion emissions in K ₂ NaScF ₆ :Yb/Ln (Ln = Er, Ho, Tm) nanocrystals. <i>Journal of Rare Earths</i> , 2021 ,	3.7	1
197	Innenrücktitelbild: Enhancing Rechargeable Persistent Luminescence via Organic Dye Sensitization (Angew. Chem. 29/2021). <i>Angewandte Chemie</i> , 2021 , 133, 16375-16375	3.6	
196	A luminescent view of the clickable assembly of LnF nanoclusters. <i>Nature Communications</i> , 2021 , 12, 2948	17.4	2
195	Enhancing Rechargeable Persistent Luminescence via Organic Dye Sensitization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15886-15890	16.4	7
194	Three-Dimensional Colloidal Controlled Growth of Core-Shell Heterostructured Persistent Luminescence Nanocrystals. <i>Nano Letters</i> , 2021 , 21, 4903-4910	11.5	7
193	Wavelength-Selective Light-Controlled Stepwise Photolysis from Single Gold Nanoparticles. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2000321	10.1	0
192	CaSc ₂ O ₄ hosted upconversion and downshifting luminescence. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3800-3805	7.1	1
191	Unravelling intramolecular charge transfer in donor-acceptor structured g-C ₃ N ₄ for superior photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 1207-1212	13	18
190	Trap Energy Upconversion-Like Near-Infrared to Near-Infrared Light Rejuvenateable Persistent Luminescence. <i>Advanced Materials</i> , 2021 , 33, e2008722	24	23
189	Enzymatic enhancing of triplet-triplet annihilation upconversion by breaking oxygen quenching for background-free biological sensing. <i>Nature Communications</i> , 2021 , 12, 1898	17.4	10
188	Self-Assembled Metal-Organic Framework Stabilized Organic Cocrystals for Biological Phototherapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23569-23573	16.4	5
187	Self-Assembled Metal-Organic Framework Stabilized Organic Cocrystals for Biological Phototherapy. <i>Angewandte Chemie</i> , 2021 , 133, 23761	3.6	0

186	Titelbild: Self-Assembled MetalOrganic Framework Stabilized Organic Cocrystals for Biological Phototherapy (Angew. Chem. 44/2021). <i>Angewandte Chemie</i> , 2021 , 133, 23657	3.6	
185	In situ exsolved Co components on wood ear-derived porous carbon for catalyzing oxygen reduction over a wide pH range. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10695-10703	13	6
184	Long wavelength single photon like driven photolysis via triplet triplet annihilation. <i>Nature Communications</i> , 2021 , 12, 122	17.4	16
183	Coloring Afterglow Nanoparticles for High-Contrast Time-Gating-Free Multiplex Luminescence Imaging. <i>Advanced Materials</i> , 2020 , 32, e2003881	24	24
182	Organic Linkers Enable Tunable Transfer of Migrated Energy from Upconversion Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31783-31792	9.5	4
181	Self-Assembly of Perovskite CsPbBr ₃ Quantum Dots Driven by a Photo-Induced Alkynyl Homocoupling Reaction. <i>Angewandte Chemie</i> , 2020 , 132, 17360-17366	3.6	7
180	Self-Assembly of Perovskite CsPbBr ₃ Quantum Dots Driven by a Photo-Induced Alkynyl Homocoupling Reaction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17207-17213	16.4	6
179	Sequence-Dependent DNA Functionalization of Upconversion Nanoparticles and Their Programmable Assemblies. <i>Angewandte Chemie</i> , 2020 , 132, 8210-8214	3.6	2
178	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2020 , 56, 5131-5134	5.8	23
177	Tailoring nanoparticles based on boron dipyrromethene for cancer imaging and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1627	9.2	7
176	Sequence-Dependent DNA Functionalization of Upconversion Nanoparticles and Their Programmable Assemblies. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8133-8137	16.4	23
175	Intrinsic defects in biomass-derived carbons facilitate electroreduction of CO ₂ . <i>Nano Research</i> , 2020 , 13, 729-735	10	30
174	Ferrocene Functionalized Upconversion Nanoparticle Nanosystem with Efficient Near-Infrared-Light-Promoted Fenton-Like Reaction for Tumor Growth Suppression. <i>Inorganic Chemistry</i> , 2020 , 59, 9177-9187	5.1	10
173	Selective growth and upconversion photoluminescence of Y-based fluorides: from NaYF ₃ : Yb/Er to YF ₃ : Yb/Er crystals. <i>Nanotechnology</i> , 2020 , 31, 505605	3.4	6
172	Design of Layer-Structured KAlF ₄ :Yb/Er for Pressure-Enhanced Upconversion Luminescence. <i>Advanced Optical Materials</i> , 2020 , 8, 1901031	8.1	8
171	Templated-Construction of Hollow MoS ₂ Architectures with Improved Photoresponses. <i>Advanced Science</i> , 2020 , 7, 2002444	13.6	5
170	Highly Effective Near-Infrared Activating Triplet-Triplet Annihilation Upconversion for Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18460-18470	16.4	31
169	Afterglow Nanoparticles: Coloring Afterglow Nanoparticles for High-Contrast Time-Gating-Free Multiplex Luminescence Imaging (Adv. Mater. 49/2020). <i>Advanced Materials</i> , 2020 , 32, 2070371	24	

168	Elucidation of the Intersystem Crossing Mechanism in a Helical BODIPY for Low-Dose Photodynamic Therapy. <i>Angewandte Chemie</i> , 2020 , 132, 16248-16255	3.6	9
167	Elucidation of the Intersystem Crossing Mechanism in a Helical BODIPY for Low-Dose Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16114-16121	16.4	55
166	Chemical Vapor Transport Reactions for Synthesizing Layered Materials and Their 2D Counterparts. <i>Small</i> , 2019 , 15, e1804404	11	26
165	Cuprous cluster as effective single-molecule metallaphotocatalyst in white light-driven C-H arylation. <i>Journal of Catalysis</i> , 2019 , 378, 270-276	7.3	6
164	Biomimetic preparation of silicon quantum dots and their phytophysiology effect on cucumber seedlings. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1107-1115	7.3	23
163	Revisiting the Growth of Black Phosphorus in Sn-I Assisted Reactions. <i>Frontiers in Chemistry</i> , 2019 , 7, 21	5	29
162	Stirring revealed new functions of ethylenediamine and hydrazine in the morphology control of copper nanowires. <i>Nanoscale</i> , 2019 , 11, 11902-11909	7.7	5
161	Enhancing Prostate-Cancer-Specific MRI by Genetic Amplified Nanoparticle Tumor Homing. <i>Advanced Materials</i> , 2019 , 31, e1900928	24	7
160	Enhanced down-conversion luminescence properties of CaSc ₂ O ₄ : Eu ³⁺ crystals. <i>Journal of Luminescence</i> , 2019 , 214, 116526	3.8	
159	Ultrafast Cathodic Exfoliation of Few-Layer Black Phosphorus in Aqueous Solution. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3793-3801	5.6	20
158	Plasmon-Enhanced Blue Upconversion Luminescence by Indium Nanocrystals. <i>Advanced Functional Materials</i> , 2019 , 29, 1901242	15.6	19
157	Physical Manipulation of Lanthanide-Activated Photoluminescence. <i>Annalen Der Physik</i> , 2019 , 531, 1900026	13	
156	Biomimetic Chiral Photonic Crystals. <i>Angewandte Chemie</i> , 2019 , 131, 7865-7869	3.6	18
155	Biomimetic Chiral Photonic Crystals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7783-7787	16.4	56
154	Designing next generation of photon upconversion: Recent advances in organic triplet-triplet annihilation upconversion nanoparticles. <i>Biomaterials</i> , 2019 , 201, 77-86	15.6	55
153	Modulation of lanthanide luminescence via an electric field. <i>Nanoscale</i> , 2019 , 11, 16562-16570	7.7	4
152	Genetic Probe Enhanced MRI: Enhancing Prostate-Cancer-Specific MRI by Genetic Amplified Nanoparticle Tumor Homing (Adv. Mater. 30/2019). <i>Advanced Materials</i> , 2019 , 31, 1970218	24	4
151	Accelerating the startup of microbial fuel cells by facile microbial acclimation. <i>Bioresource Technology Reports</i> , 2019 , 8, 100347	4.1	6

150	Mammalian Near-Infrared Image Vision through Injectable and Self-Powered Retinal Nanoantennae. <i>Cell</i> , 2019 , 177, 243-255.e15	56.2	133
149	Origin of strong and narrow localized surface plasmon resonance of copper nanocubes. <i>Nano Research</i> , 2019 , 12, 63-68	10	41
148	Packed anode derived from cocklebur fruit for improving long-term performance of microbial fuel cells. <i>Science China Materials</i> , 2019 , 62, 645-652	7.1	11
147	Visible-Light Bismuth Iron Molybdate Photocatalyst for Artificial Nitrogen Fixation. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H3091-H3096	3.9	16
146	Metal-organic framework coated titanium dioxide nanorod array p-n heterojunction photoanode for solar water-splitting. <i>Nano Research</i> , 2019 , 12, 643-650	10	50
145	Near-Infrared-Light Activatable Nanoparticles for Deep-Tissue-Penetrating Wireless Optogenetics. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801132	10.1	56
144	Organic Phosphorescence: Enhancing Ultralong Organic Phosphorescence by Effective π -Type Halogen Bonding (Adv. Funct. Mater. 9/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870060	15.6	1
143	Interconversion between KScF:Yb/Er and KNaScF:Yb/Er nanocrystals: the role of chemistry. <i>Dalton Transactions</i> , 2018 , 47, 4950-4958	4.3	6
142	Er ³⁺ Sensitized Photon Upconversion Nanocrystals. <i>Advanced Functional Materials</i> , 2018 , 28, 1800208	15.6	75
141	Enhancing Ultralong Organic Phosphorescence by Effective π -Type Halogen Bonding. <i>Advanced Functional Materials</i> , 2018 , 28, 1705045	15.6	180
140	Inherently Eu ²⁺ /Eu ³⁺ Codoped Sc ₂ O ₃ Nanoparticles as High-Performance Nanothermometers. <i>Advanced Materials</i> , 2018 , 30, e1705256	24	129
139	Microporous Luminescent Metal-Organic Framework for a Sensitive and Selective Fluorescence Sensing of Toxic Mycotoxin in Moldy Sugarcane. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5618-5625	9.5	94
138	A ferrocene-europium assembly showing phototriggered anticancer activity and fluorescent modality imaging. <i>Dalton Transactions</i> , 2018 , 47, 1479-1487	4.3	9
137	Spatially confined luminescence process in tip-modified heterogeneous-structured microrods for high-level anti-counterfeiting. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 9516-9522	3.6	23
136	Near Infrared Boron Dipyrromethene Nanoparticles for Optotheranostics. <i>Small Methods</i> , 2018 , 2, 17003708	17.08	29
135	A difunctional metal-organic framework with Lewis basic sites demonstrating turn-off sensing of Cu ²⁺ and sensitization of Ln ³⁺ . <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7874-7879	7.1	21
134	Multiplexed Biomolecular Arrays Generated via Parallel Dip-Pen Nanolithography. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25121-25126	9.5	5
133	Nearly Pure Red Color Upconversion Luminescence of Ln-Doped ScO with Unexpected RE-MOFs Molecular Alloys as Precursor. <i>Inorganic Chemistry</i> , 2018 , 57, 10511-10517	5.1	6

132	Dual-Signal Luminescent Detection of Dopamine by a Single Type of Lanthanide-Doped Nanoparticles. <i>ACS Sensors</i> , 2018 , 3, 1683-1689	9.2	32
131	Erbium(iii)-based metal-organic frameworks with tunable upconversion emissions. <i>Dalton Transactions</i> , 2018 , 47, 12868-12872	4.3	26
130	Controllable supramolecular chain aggregation through nano-steric hindrance functionalization for multi-color larger-area electroluminescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7018-7023	7.1	8
129	Nanocomposites of carbon nanotubes and photon upconversion nanoparticles for enhanced optical limiting performance. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7311-7316	7.1	6
128	Solution-Processable Near-Infrared Responsive Composite of Perovskite Nanowires and Photon-Upconversion Nanoparticles. <i>Advanced Functional Materials</i> , 2018 , 28, 1801782	15.6	33
127	Domino-like multi-emissions across red and near infrared from solid-state 2-/2,6-aryl substituted BODIPY dyes. <i>Nature Communications</i> , 2018 , 9, 2688	17.4	57
126	A new amphiphilic pillar[5]arene: synthesis and controllable self-assembly in water and application in white-light-emitting systems. <i>Chemical Communications</i> , 2018 , 54, 13006-13009	5.8	35
125	Hydrogen-bonded-assisted supramolecular microwires for pure violet lasers: benefits of preventing intermolecular π -stacking and aggregation in single crystals. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2307-2312	7.8	15
124	Design for Brighter Photon Upconversion Emissions via Energy Level Overlap of Lanthanide Ions. <i>ACS Nano</i> , 2018 , 12, 10992-10999	16.7	34
123	Paving Metal-Organic Frameworks with Upconversion Nanoparticles via Self-Assembly. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15507-15515	16.4	59
122	Synthesis and luminescent properties of lanthanide-doped ScVO ₄ microcrystals. <i>Journal of Rare Earths</i> , 2017 , 35, 28-33	3.7	7
121	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017 , 29, 1606755	24	153
120	Gold and Hairpin DNA Functionalization of Upconversion Nanocrystals for Imaging and In Vivo Drug Delivery. <i>Advanced Materials</i> , 2017 , 29, 1700244	24	159
119	Insights into Li ⁺ -induced morphology evolution and upconversion luminescence enhancement of KSc ₂ F ₇ :Yb/Er nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3503-3508	7.1	33
118	From Graphite to Graphene Oxide and Graphene Oxide Quantum Dots. <i>Small</i> , 2017 , 13, 1601001	11	43
117	Gold Nanowire Chiral Ultrathin Films with Ultrastrong and Broadband Optical Activity. <i>Angewandte Chemie</i> , 2017 , 129, 5137-5142	3.6	20
116	Graphene: From Graphite to Graphene Oxide and Graphene Oxide Quantum Dots (Small 18/2017). <i>Small</i> , 2017 , 13,	11	3
115	Confining Excitation Energy in Er ³⁺ -Sensitized Upconversion Nanocrystals through Tm ³⁺ -Mediated Transient Energy Trapping. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7605-7609	16.4	188

114	Upconversion Modulation through Pulsed Laser Excitation for Anti-counterfeiting. <i>Scientific Reports</i> , 2017 , 7, 1320	4.9	64
113	Confining Excitation Energy in Er ³⁺ -Sensitized Upconversion Nanocrystals through Tm ³⁺ -Mediated Transient Energy Trapping. <i>Angewandte Chemie</i> , 2017 , 129, 7713-7717	3.6	34
112	Tumor-Targeted and Clearable Human Protein-Based MRI Nanoprobes. <i>Nano Letters</i> , 2017 , 17, 4096-4100	1.5	48
111	Sc ³⁺ -induced morphology, phase structure, and upconversion luminescence evolution of YF ₃ :Yb/Er nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6450-6456	7.1	19
110	Comprehensive studies of the Li effect on NaYF ₄ :Yb/Er nanocrystals: morphology, structure, and upconversion luminescence. <i>Dalton Transactions</i> , 2017 , 46, 8968-8974	4.3	30
109	Scrolling up graphene oxide nanosheets assisted by self-assembled monolayers of alkanethiols. <i>Nanoscale</i> , 2017 , 9, 9997-10001	7.7	12
108	Gold Nanowire Chiral Ultrathin Films with Ultrastrong and Broadband Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5055-5060	16.4	55
107	Near-infrared light activated persistent luminescence nanoparticles via upconversion. <i>Nano Research</i> , 2017 , 10, 1840-1846	10	43
106	Nitrogen-enriched pseudographitic anode derived from silk cocoon with tunable flexibility for microbial fuel cells. <i>Nano Energy</i> , 2017 , 32, 382-388	17.1	67
105	Inner salt-shaped small molecular photosensitizer with extremely enhanced two-photon absorption for mitochondrial-targeted photodynamic therapy. <i>Chemical Communications</i> , 2017 , 53, 1680-1683	5.8	38
104	Emerging 800 nm Excited Lanthanide-Doped Upconversion Nanoparticles. <i>Small</i> , 2017 , 13, 1602843	11	67
103	Insights into the growth mechanism of REF (RE = La-Lu, Y) nanocrystals: hexagonal and/or orthorhombic. <i>Nanoscale</i> , 2017 , 9, 15974-15981	7.7	8
102	Photoswitchable Near-Infrared-Emitting Boron-dipyrromethene (BODIPY) Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700223	3.1	15
101	Binary temporal upconversion codes of Mn-activated nanoparticles for multilevel anti-counterfeiting. <i>Nature Communications</i> , 2017 , 8, 899	17.4	202
100	Tuning hexagonal NaYbF ₄ nanocrystals down to sub-10 nm for enhanced photon upconversion. <i>Nanoscale</i> , 2017 , 9, 13739-13746	7.7	56
99	Expanding Anti-Stokes Shifting in Triplet-Triplet Annihilation Upconversion for In Vivo Anticancer Prodrug Activation. <i>Angewandte Chemie</i> , 2017 , 129, 14592-14596	3.6	19
98	Expanding Anti-Stokes Shifting in Triplet-Triplet Annihilation Upconversion for In Vivo Anticancer Prodrug Activation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14400-14404	16.4	86
97	Nanomedicine: Enhancing Photodynamic Therapy through Resonance Energy Transfer Constructed Near-Infrared Photosensitized Nanoparticles (Adv. Mater. 28/2017). <i>Advanced Materials</i> , 2017 , 29,	24	1

96	Highly Water-Stable Lanthanide-Oxalate MOFs with Remarkable Proton Conductivity and Tunable Luminescence. <i>Advanced Materials</i> , 2017 , 29, 1701804	24	81
95	Selective synthesis of LaF ₃ and NaLaF ₄ nanocrystals via lanthanide ion doping. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9188-9193	7.1	12
94	Hedgehog-Like Upconversion Crystals: Controlled Growth and Molecular Sensing at Single-Particle Level. <i>Advanced Materials</i> , 2017 , 29, 1702315	24	31
93	Preparation of graphene-MoS ₂ hybrid aerogels as multifunctional sorbents for water remediation. <i>Science China Materials</i> , 2017 , 60, 1102-1108	7.1	23
92	Controlled Synthesis, Evolution Mechanisms, and Luminescent Properties of ScF _x :Ln (x = 2.76, 3) Nanocrystals. <i>Chemistry of Materials</i> , 2017 , 29, 9758-9766	9.6	17
91	Enhancing Photodynamic Therapy through Resonance Energy Transfer Constructed Near-Infrared Photosensitized Nanoparticles. <i>Advanced Materials</i> , 2017 , 29, 1604789	24	117
90	Conversion of municipal solid waste incineration bottom ash to sorbent material: Effect of ash particle size. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 68, 351-359	5.3	12
89	Ultralow-Power Near Infrared Lamp Light Operable Targeted Organic Nanoparticle Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14586-14591	16.4	211
88	Conversion of municipal solid waste incineration bottom ash to sorbent material for pollutants removal from water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 60, 275-286	5.3	19
87	Nonlinear spectral and lifetime management in upconversion nanoparticles by controlling energy distribution. <i>Nanoscale</i> , 2016 , 8, 6666-73	7.7	50
86	Sensitive Water Probing through Nonlinear Photon Upconversion of Lanthanide-Doped Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 847-53	9.5	67
85	Nanoscale "fluorescent stone": Luminescent Calcium Fluoride Nanoparticles as Theranostic Platforms. <i>Theranostics</i> , 2016 , 6, 2380-2393	12.1	30
84	Wide-Range Tunable Fluorescence Lifetime and Ultrabright Luminescence of Eu-Grafted Plasmonic Core-Shell Nanoparticles for Multiplexing. <i>Small</i> , 2016 , 12, 397-404	11	35
83	From ScOOH to Sc ₂ O ₃ : Phase Control, Luminescent Properties, and Applications. <i>Advanced Materials</i> , 2016 , 28, 6665-71	24	23
82	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600102	6.4	35
81	Unraveling Epitaxial Habits in the NaLnF ₄ System for Color Multiplexing at the Single-Particle Level. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5718-22	16.4	71
80	Designing Upconversion Nanocrystals Capable of 745 nm Sensitization and 803 nm Emission for Deep-Tissue Imaging. <i>Chemistry - A European Journal</i> , 2016 , 22, 10801-7	4.8	30
79	BODIPY-Based Nanomicelles as Near-Infrared Fluorescent Turn-On Sensors for Biogenic Thiols. <i>ChemNanoMat</i> , 2016 , 2, 396-399	3.5	10

78	Unraveling Epitaxial Habits in the NaLnF ₄ System for Color Multiplexing at the Single-Particle Level. <i>Angewandte Chemie</i> , 2016 , 128, 5812-5816	3.6	16
77	Illuminating Cell Signaling with Near-Infrared Light-Responsive Nanomaterials. <i>ACS Nano</i> , 2016 , 10, 3881-3885	6.6	66
76	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2016 , 12, 5920-5926	11	61
75	Probing the nature of upconversion nanocrystals: instrumentation matters. <i>Chemical Society Reviews</i> , 2015 , 44, 1479-508	58.5	161
74	Controlled Synthesis of Uniform Na _x ScF _{3+x} Nanopolyhedrons, Nanoplates, Nanorods, and Nanospheres Using Solvents. <i>Crystal Growth and Design</i> , 2015 , 15, 2988-2993	3.5	17
73	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation. <i>Small</i> , 2015 , 11, 3319-36	11	136
72	A cyanine-modified upconversion nanoprobe for NIR-excited imaging of endogenous hydrogen peroxide signaling in vivo. <i>Biomaterials</i> , 2015 , 54, 34-43	15.6	60
71	Direct Aqueous-Phase Synthesis of Sub-10 nm "Luminous Pearls" with Enhanced in Vivo Renewable Near-Infrared Persistent Luminescence. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5304-7	16.4	296
70	Synthesis and luminescence properties of RE ³⁺ (RE = Yb, Er, Tm, Eu, Tb)-doped Sc ₂ O ₃ microcrystals. <i>Journal of Alloys and Compounds</i> , 2015 , 653, 304-309	5.7	16
69	Surfactant effect on and luminescence tuning of lanthanide-doped ScPO ₄ ·2H ₂ O microparticles. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12385-12389	7.1	15
68	Switching of the triplet excited state of the C60-dimethylaminostyryl BODIPY dyads/triads. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 538-550	7.1	16
67	Carbon: Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation (Small 27/2015). <i>Small</i> , 2015 , 11, 3388-3388	11	
66	Improving the Performance of Microbial Fuel Cells through Anode Manipulation. <i>ChemPlusChem</i> , 2015 , 80, 1216-1225	2.8	22
65	NaF-mediated controlled-synthesis of multicolor Na _(x) ScF _(3+x) :Yb/Er upconversion nanocrystals. <i>Nanoscale</i> , 2015 , 7, 4048-54	7.7	30
64	Recent developments in lanthanide-based luminescent probes. <i>Coordination Chemistry Reviews</i> , 2014 , 273-274, 201-212	23.2	224
63	Gold-plasmon enhanced solar-to-hydrogen conversion on the {001} facets of anatase TiO ₂ nanosheets. <i>Energy and Environmental Science</i> , 2014 , 7, 973	35.4	146
62	Switching of the triplet excited state of styryl 2,6-diiodo-bodipy and its application in acid-activatable singlet oxygen photosensitizing. <i>Journal of Organic Chemistry</i> , 2014 , 79, 10240-55	4.2	29
61	Polypyrrole nanotube film for flexible thermoelectric application. <i>Synthetic Metals</i> , 2014 , 196, 173-177	3.6	132

60	Mobility of heavy metals and rare earth elements in incineration bottom ash through particle size reduction. <i>Chemical Engineering Science</i> , 2014 , 118, 214-220	4.4	21
59	Bi ₂ MoO ₆ nanobelts for crystal facet-enhanced photocatalysis. <i>Small</i> , 2014 , 10, 2791-5, 2741	11	123
58	Cross Relaxation Induced Pure Red Upconversion in Activator- and Sensitizer-Rich Lanthanide Nanoparticles. <i>Chemistry of Materials</i> , 2014 , 26, 5183-5186	9.6	158
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