

# Xiaoji Xie

## List of Publications by Citations

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86

papers

6,805

citations

36

h-index

82

g-index

95

ext. papers

8,113

ext. citations

11.4

avg, IF

5.94

L-index

#	Paper	IF	Citations
86	All-inorganic perovskite nanocrystal scintillators. <i>Nature</i> , <b>2018</b> , 561, 88-93	50.4	773
85	Intracellular glutathione detection using MnO(2)-nanosheet-modified upconversion nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20168-71	16.4	746
84	Mechanistic investigation of photon upconversion in Nd(3+)-sensitized core-shell nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12608-11	16.4	591
83	Enhancing luminescence in lanthanide-doped upconversion nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 11702-15	16.4	392
82	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal-Organic Frameworks and TiCT Nanosheets for Electrocatalytic Oxygen Evolution. <i>ACS Nano</i> , <b>2017</b> , 11, 5800-5807	16.7	388
81	The effect of surface coating on energy migration-mediated upconversion. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 20849-57	16.4	344
80	Instantaneous ballistic velocity of suspended Brownian nanocrystals measured by upconversion nanothermometry. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 851-856	28.7	227
79	Binary temporal upconversion codes of Mn-activated nanoparticles for multilevel anti-counterfeiting. <i>Nature Communications</i> , <b>2017</b> , 8, 899	17.4	202
78	Confining Excitation Energy in Er -Sensitized Upconversion Nanocrystals through Tm -Mediated Transient Energy Trapping. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7605-7609	16.4	188
77	Gold and Hairpin DNA Functionalization of Upconversion Nanocrystals for Imaging and In Vivo Drug Delivery. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700244	24	159
76	Black Phosphorus Nanosheets Immobilizing Ce6 for Imaging-Guided Photothermal/Photodynamic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12431-12440	9.5	153
75	Improving colorimetric assays through protein enzyme-assisted gold nanoparticle amplification. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 1511-20	24.3	137
74	Inherently Eu /Eu Codoped Sc O Nanoparticles as High-Performance Nanothermometers. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705256	24	129
73	Understanding the Control of Singlet-Triplet Splitting for Organic Exciton Manipulating: A Combined Theoretical and Experimental Approach. <i>Scientific Reports</i> , <b>2015</b> , 5, 10923	4.9	113
72	Ultrasensitive colorimetric DNA detection using a combination of rolling circle amplification and nicking endonuclease-assisted nanoparticle amplification (NEANA). <i>Small</i> , <b>2012</b> , 8, 1846-50	11	103
71	Organic phosphors with bright triplet excitons for efficient X-ray-excited luminescence. <i>Nature Photonics</i> , <b>2021</b> , 15, 187-192	33.9	83
70	Highly Water-Stable Lanthanide-Oxalate MOFs with Remarkable Proton Conductivity and Tunable Luminescence. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701804	24	81

69	Er <sup>3+</sup> Sensitized Photon Upconversion Nanocrystals. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800208	15.6	75
68	Reduced-Dimensional Perovskite Enabled by Organic Diamine for Efficient Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 2349-2356	6.4	73
67	Intracellular Adenosine Triphosphate Deprivation through Lanthanide-Doped Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6550-8	16.4	70
66	Nitrogen-enriched pseudographitic anode derived from silk cocoon with tunable flexibility for microbial fuel cells. <i>Nano Energy</i> , <b>2017</b> , 32, 382-388	17.1	67
65	Emerging 800 nm Excited Lanthanide-Doped Upconversion Nanoparticles. <i>Small</i> , <b>2017</b> , 13, 1602843	11	67
64	Sensitive Water Probing through Nonlinear Photon Upconversion of Lanthanide-Doped Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 847-53	9.5	67
63	A concise, efficient synthesis of sugar-based benzothiazoles through chemoselective intramolecular C8 coupling. <i>Chemical Science</i> , <b>2012</b> , 3, 2388	9.4	63
62	Colorimetric detection of HIV-1 ribonuclease H activity by gold nanoparticles. <i>Small</i> , <b>2011</b> , 7, 1393-6	11	61
61	Paving Metal-Organic Frameworks with Upconversion Nanoparticles via Self-Assembly. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 15507-15515	16.4	59
60	Rare Earth Ion-Doped Upconversion Nanocrystals: Synthesis and Surface Modification. <i>Nanomaterials</i> , <b>2014</b> , 5, 1-25	5.4	57
59	Energy Migration Upconversion in Manganese(II)-Doped Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13312-7	16.4	57
58	Tuning hexagonal NaYbF <sub>4</sub> nanocrystals down to sub-10 nm for enhanced photon upconversion. <i>Nanoscale</i> , <b>2017</b> , 9, 13739-13746	7.7	56
57	Nonlinear spectral and lifetime management in upconversion nanoparticles by controlling energy distribution. <i>Nanoscale</i> , <b>2016</b> , 8, 6666-73	7.7	50
56	Templating C <sub>60</sub> on MoS <sub>2</sub> Nanosheets for 2D Hybrid van der Waals p-n Nanoheterojunctions. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4300-4306	9.6	46
55	From Graphite to Graphene Oxide and Graphene Oxide Quantum Dots. <i>Small</i> , <b>2017</b> , 13, 1601001	11	43
54	Controllable co-assembly of organic micro/nano heterostructures from fluorescent and phosphorescent molecules for dual anti-counterfeiting. <i>Materials Horizons</i> , <b>2019</b> , 6, 984-989	14.4	42
53	Copper diphosphonates with zero-, one- and two-dimensional structures: ferrimagnetism in layer compound Cu <sub>3</sub> (ImhedpH)(2).2H <sub>2</sub> O [ImhedpH <sub>4</sub> =(1-C <sub>3</sub> H <sub>3</sub> N <sub>2</sub> )CH <sub>2</sub> C(OH)(PO <sub>3</sub> H <sub>2</sub> ) <sub>2</sub> ]. <i>Dalton Transactions</i> , <b>2008</b> , 5008-15	4.3	40
52	Flexible phosphorus doped carbon nanosheets/nanofibers: Electrospun preparation and enhanced Li-storage properties as free-standing anodes for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 384, 27-33	8.9	36

51	Confining Excitation Energy in Er <sup>3+</sup> -Sensitized Upconversion Nanocrystals through Tm <sup>3+</sup> -Mediated Transient Energy Trapping. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7713-7717	3.6	34
50	Insights into Li <sup>+</sup> -induced morphology evolution and upconversion luminescence enhancement of KSc <sub>2</sub> F <sub>7</sub> :Yb/Er nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3503-3508	7.1	33
49	Solution-Processable Near-Infrared Responsive Composite of Perovskite Nanowires and Photon-Upconversion Nanoparticles. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801782	15.6	33
48	Dual-Signal Luminescent Detection of Dopamine by a Single Type of Lanthanide-Doped Nanoparticles. <i>ACS Sensors</i> , <b>2018</b> , 3, 1683-1689	9.2	32
47	Platinum nanoenzyme functionalized black phosphorus nanosheets for photothermal and enhanced-photodynamic therapy. <i>Chemical Engineering Journal</i> , <b>2021</b> , 409, 127381	14.7	32
46	Hedgehog-Like Upconversion Crystals: Controlled Growth and Molecular Sensing at Single-Particle Level. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702315	24	31
45	EcoRI-modified gold nanoparticles for dual-mode colorimetric detection of magnesium and pyrophosphate ions. <i>Small</i> , <b>2011</b> , 7, 1987-92	11	31
44	Comprehensive studies of the Li effect on NaYF <sub>4</sub> :Yb/Er nanocrystals: morphology, structure, and upconversion luminescence. <i>Dalton Transactions</i> , <b>2017</b> , 46, 8968-8974	4.3	30
43	Intrinsic defects in biomass-derived carbons facilitate electroreduction of CO <sub>2</sub> . <i>Nano Research</i> , <b>2020</b> , 13, 729-735	10	30
42	D-A-D structured selenadiazolesbenzothiadiazole-based near-infrared dye for enhanced photoacoustic imaging and photothermal cancer therapy. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 1580-1585	8.1	30
41	Designing Upconversion Nanocrystals Capable of 745 nm Sensitization and 803 nm Emission for Deep-Tissue Imaging. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 10801-7	4.8	30
40	Revisiting the Growth of Black Phosphorus in Sn-I Assisted Reactions. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 21	5	29
39	The Sources of Reactive Oxygen Species and Its Possible Role in the Pathogenesis of Parkinson's Disease. <i>Parkinson's Disease</i> , <b>2018</b> , 2018, 9163040	2.6	27
38	Chemical Vapor Transport Reactions for Synthesizing Layered Materials and Their 2D Counterparts. <i>Small</i> , <b>2019</b> , 15, e1804404	11	26
37	Energy Migration Upconversion in Manganese(II)-Doped Nanoparticles. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13510-13515	3.6	24
36	From ScOOH to Sc <sub>2</sub> O <sub>3</sub> : Phase Control, Luminescent Properties, and Applications. <i>Advanced Materials</i> , <b>2016</b> , 28, 6665-71	24	23
35	Nanoscale hybrid multidimensional perovskites with alternating cations for high performance photovoltaic. <i>Nano Energy</i> , <b>2019</b> , 65, 104050	17.1	22
34	Improving the Performance of Microbial Fuel Cells through Anode Manipulation. <i>ChemPlusChem</i> , <b>2015</b> , 80, 1216-1225	2.8	22

33	Lumineszenzsteigerung bei Lanthanoid-dotierten aufkonvertierenden Nanopartikeln. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11892-11906	3.6	21
32	Ultrafast Cathodic Exfoliation of Few-Layer Black Phosphorus in Aqueous Solution. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 3793-3801	5.6	20
31	Sc <sup>3+</sup> -induced morphology, phase structure, and upconversion luminescence evolution of YF <sub>3</sub> :Yb/Er nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6450-6456	7.1	19
30	Plasmon-Enhanced Blue Upconversion Luminescence by Indium Nanocrystals. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901242	15.6	19
29	Controlled Synthesis, Evolution Mechanisms, and Luminescent Properties of ScF <sub>x</sub> :Ln (x = 2.76, 3) Nanocrystals. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9758-9766	9.6	17
28	Surfactant effect on and luminescence tuning of lanthanide-doped ScPO <sub>4</sub> ·2H <sub>2</sub> O microparticles. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 12385-12389	7.1	15
27	Physical Manipulation of Lanthanide-Activated Photoluminescence. <i>Annalen Der Physik</i> , <b>2019</b> , 531, 1900026	13	13
26	Selective synthesis of LaF <sub>3</sub> and NaLaF <sub>4</sub> nanocrystals via lanthanide ion doping. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 9188-9193	7.1	12
25	Packed anode derived from cocklebur fruit for improving long-term performance of microbial fuel cells. <i>Science China Materials</i> , <b>2019</b> , 62, 645-652	7.1	11
24	Colorimetric anticancer drug detection by gold nanoparticle-based DNA interstrand cross-linking. <i>Analytical Methods</i> , <b>2013</b> , 5, 1116	3.2	10
23	Lanthanide Stabilized All-Inorganic CsPbI <sub>2</sub> Br Perovskite Solar Cells with Superior Thermal Resistance. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 3937-3944	6.1	10
22	A multifunctional Fenton nanoagent for microenvironment-selective anti-biofilm and anti-inflammatory therapy. <i>Materials Horizons</i> , <b>2021</b> , 8, 1264-1271	14.4	9
21	Insights into the growth mechanism of REF (RE = La-Lu, Y) nanocrystals: hexagonal and/or orthorhombic. <i>Nanoscale</i> , <b>2017</b> , 9, 15974-15981	7.7	8
20	Approaching an adjustable organic thermochromic luminophore library via the synergistic effects between structure-related molecular dynamics and aggregation-related luminescence. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8430-8439	7.1	8
19	Synthesis and luminescent properties of lanthanide-doped ScVO <sub>4</sub> microcrystals. <i>Journal of Rare Earths</i> , <b>2017</b> , 35, 28-33	3.7	7
18	Perovskite Oxides for Cathodic Electrocatalysis of Energy-Related Gases: From O <sub>2</sub> to CO <sub>2</sub> and N <sub>2</sub> . <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101872	15.6	7
17	Interconversion between KScF:Yb/Er and KNaScF:Yb/Er nanocrystals: the role of chemistry. <i>Dalton Transactions</i> , <b>2018</b> , 47, 4950-4958	4.3	6
16	Nanocomposites of carbon nanotubes and photon upconversion nanoparticles for enhanced optical limiting performance. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7311-7316	7.1	6

15	Accelerating the startup of microbial fuel cells by facile microbial acclimation. <i>Bioresource Technology Reports</i> , <b>2019</b> , 8, 100347	4.1	6
14	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> , <b>2021</b> , 9, 10695-10703	13	6
13	Stirring revealed new functions of ethylenediamine and hydrazine in the morphology control of copper nanowires. <i>Nanoscale</i> , <b>2019</b> , 11, 11902-11909	7.7	5
12	Multiplexed Biomolecular Arrays Generated via Parallel Dip-Pen Nanolithography. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 25121-25126	9.5	5
11	Templated-Construction of Hollow MoS Architectures with Improved Photoresponses. <i>Advanced Science</i> , <b>2020</b> , 7, 2002444	13.6	5
10	Plasmonic bimetallic nanodisk arrays for DNA conformation sensing. <i>Nanoscale</i> , <b>2019</b> , 11, 19291-19296	7.7	4
9	Organic Linkers Enable Tunable Transfer of Migrated Energy from Upconversion Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31783-31792	9.5	4
8	Efficient Synthesis of All-Aryl Phenazasilines for Optoelectronic Applications. <i>Australian Journal of Chemistry</i> , <b>2016</b> , 69, 419	1.2	4
7	Graphene: From Graphite to Graphene Oxide and Graphene Oxide Quantum Dots (Small 18/2017). <i>Small</i> , <b>2017</b> , 13,	11	3
6	Ligand-displacement-based two-photon fluorogenic probe for visualizing mercapto biomolecules in live cells, <i>Drosophila</i> brains and zebrafish. <i>Analyst, The</i> , <b>2018</b> , 143, 3433-3441	5	3
5	Iridium-lanthanide complexes: Structures, properties and applications. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 456, 214367	23.2	3
4	Surface-controlled preparation of EuWO(OH) nanobelts and their hybrid with Au nanoparticles as a novel enzyme-free sensing platform towards hydrogen peroxide. <i>Chemical Communications</i> , <b>2017</b> , 53, 5063-5066	5.8	2
3	Uranyl phosphonates: crystalline materials and nanosheets for temperature sensing. <i>Dalton Transactions</i> , <b>2021</b> , 50, 17129-17139	4.3	2
2	A luminescent view of the clickable assembly of LnF nanoclusters. <i>Nature Communications</i> , <b>2021</b> , 12, 2948	17.4	2
1	Gold Nanoparticles: Colorimetric Detection of HIV-1 Ribonuclease H Activity by Gold Nanoparticles (Small 10/2011). <i>Small</i> , <b>2011</b> , 7, 1392-1392	11	