Jing Feng

List of Publications by Year
in descending order

87 papers	4,030 citations	117625 34 h-index	118850 62 g-index
89 all docs	89 docs citations	89 times ranked	5181 citing authors

#	Article	IF	Citations
1	Hybrid materials based on lanthanide organic complexes: a review. Chemical Society Reviews, 2013, 42, 387-410.	38.1	674
2	Ultrafast Synthesis of Ultrasmall Poly(Vinylpyrrolidone)â€Protected Bismuth Nanodots as a Multifunctional Theranostic Agent for In Vivo Dualâ€Modal CT/Photothermalâ€Imagingâ€Guided Photothermal Therapy. Advanced Functional Materials, 2017, 27, 1702018.	14.9	203
3	Facile and rapid fabrication of nanostructured lanthanide coordination polymers as selective luminescent probes in aqueous solution. Journal of Materials Chemistry, 2012, 22, 6819.	6.7	161
4	A Metalâ€“Organic Framework/DNA Hybrid System as a Novel Fluorescent Biosensor for Mercury(II) Ion Detection. Chemistry - A European Journal, 2016, 22, 477-480.	3.3	155
5	Synthesis and Luminescence Properties of Bi³⁺-Activated K₂MgGeO₄: A Promising High-Brightness Orange-Emitting Phosphor for WLEDs Conversion. Inorganic Chemistry, 2018, 57, 12303-12311.	4.0	142
6	Ultrafast Synthesis of Novel Hexagonal Phase NaBiF₄ Upconversion Nanoparticles at Room Temperature. Advanced Materials, 2017, 29, 1700505.	21.0	131
7	Encapsulation of Ln^{III} Ions/Dyes within a Microporous Anionic MOF by Postâ€synthetic Ionic Exchange Serving as a Ln^{III} Ion Probe and Twoâ€Color Luminescent Sensors. Chemistry - A European Journal, 2015, 21, 9748-9752.	3.3	123
8	Î±-NaYb(Mn)F₄:Er³⁺/Tm³⁺@NaYF₄ UCNPs as â€œBand-Shapeâ€•Luminescent Nanothermometers over a Wide Temperature Range. ACS Applied Materials & Interfaces, 2015, 7, 20813-20819.	8.0	114
9	A â€œSolid Dualâ€Ionsâ€Transformationâ€•Route to S,N Coâ€Doped Carbon Nanotubes as Highly Efficient â€œMetalâ€Freeâ€•Catalysts for Organic Reactions. Advanced Materials, 2016, 28, 10679-10683.	21.0	107
10	Novel Multifunctional Nanocomposites: Magnetic Mesoporous Silica Nanospheres Covalently Bonded with Near-Infrared Luminescent Lanthanide Complexes. Langmuir, 2010, 26, 3596-3600.	3.5	78
11	Yb³⁺/Er³⁺-Codoped Bi₂O₃ Nanospheres: Probe for Upconversion Luminescence Imaging and Binary Contrast Agent for Computed Tomography Imaging. ACS Applied Materials & Interfaces, 2015, 7, 26346-26354.	8.0	78
12	Nd³⁺-sensitized NaLuF₄luminescent nanoparticles for multimodal imaging and temperature sensing under 808 nm excitation. Nanoscale, 2015, 7, 17861-17870.	5.6	74
13	CeO₂ nanowires self-inserted into porous Co₃O₄ frameworks as high-performance â€œnoble metal freeâ€•hetero-catalysts. Chemical Science, 2016, 7, 1109-1114.	7.4	74
14	Achieving the Tradeâ€Off between Selectivity and Activity in Semihydrogenation of Alkynes by Fabrication of (Asymmetrical Pd@Ag Core)@(CeO₂ Shell) Nanocatalysts via Autoredox Reaction. Advanced Materials, 2017, 29, 1605332.	21.0	73
15	Optimization of Bi³⁺ in Upconversion Nanoparticles Induced Simultaneous Enhancement of Near-Infrared Optical and X-ray Computed Tomography Imaging Capability. ACS Applied Materials & Interfaces, 2016, 8, 27490-27497.	8.0	72
16	Multifunctional Cuâ€“Ag₂S nanoparticles with high photothermal conversion efficiency for photoacoustic imaging-guided photothermal therapy in vivo. Nanoscale, 2018, 10, 825-831.	5.6	68
17	Lanthanide doped Bi₂O₃ upconversion luminescence nanospheres for temperature sensing and optical imaging. Dalton Transactions, 2016, 45, 2686-2693.	3.3	67
18	Benefits of surfactant effects on quantum efficiency enhancement and temperature sensing behavior of NaBiF₄ upconversion nanoparticles. Journal of Materials Chemistry C, 2017, 5, 9659-9665.	5.5	60

#	Article	IF	Citations
19	Enhanced upconversion luminescence and controllable phase/shape of NaYF₄:Yb/Er crystals through Cu²⁺ ion doping. CrystEngComm, 2018, 20, 1945-1953.	2.6	59
20	Nanocomposites based on lanthanide-doped upconversion nanoparticles: diverse designs and applications. Light: Science and Applications, 2022, 11, .	16.6	58
21	Near-infrared luminescent xerogel materials covalently bonded with ternary lanthanide [Er(iii), Nd(iii), Yb(iii), Sm(iii)] complexes. Dalton Transactions, 2009, , 2406.	3.3	57
22	Growth of lanthanide-doped LiGdF4 nanoparticles induced by LiLuF4 core as tri-modal imaging bioprobes. Biomaterials, 2015, 65, 115-123.	11.4	55
23	Rare earth fluorides upconversion nanophosphors: from synthesis to applications in bioimaging. CrystEngComm, 2013, 15, 7142.	2.6	54
24	A study on the near-infrared luminescent properties of xerogel materials doped with dysprosium complexes. Dalton Transactions, 2009, , 6593.	3.3	53
25	Recent Advances in Graphitic Carbon Nitride Supported Singleâ€Atom Catalysts for Energy Conversion. ChemCatChem, 2021, 13, 1250-1270.	3.7	46
26	PEGylated GdF₃:Fe Nanoparticles as Multimodal T₁/T₂-Weighted MRI and X-ray CT Imaging Contrast Agents. ACS Applied Materials & Interfaces, 2017, 9, 20426-20434.	8.0	45
27	Near-infrared optical and X-ray computed tomography dual-modal imaging probe based on novel lanthanide-doped K_{0.3}Bi_{0.7}F_{2.4} upconversion nanoparticles. Nanoscale, 2018, 10, 1394-1402.	5.6	45
28	Ultrafast synthesis of ultrasmall polyethylenimine-protected AgBiS₂ nanodots by â€œrookie methodâ€•for in vivo dual-modal CT/PA imaging and simultaneous photothermal therapy. Nanoscale, 2018, 10, 16765-16774.	5.6	44
29	Commendable Pr³⁺-activated Ba₂Ga₂GeO₇ phosphor with high-brightness white long-persistent luminescence. Journal of Materials Chemistry C, 2019, 7, 6698-6705.	5.5	44
30	A strategy for developing thermal-quenching-resistant emission and super-long persistent luminescence in BaGa₂O₄:Bi³⁺. Journal of Materials Chemistry C, 2019, 7, 13088-13096.	5.5	42
31	In Situ Embedding Synthesis of Highly Stable CsPbBr₃/CsPb₂Br₅@PbBr(OH) Nano/Microspheres through Water Assisted Strategy. Advanced Functional Materials, 2021, 31, 2103275.	14.9	42
32	Proteinaceous Fibers with Outstanding Mechanical Properties Manipulated by Supramolecular Interactions. CCS Chemistry, 2021, 3, 1669-1677.	7.8	39
33	Pure and intense orange upconversion luminescence of Eu3+ from the sensitization of Yb3+â€“Mn2+ dimer in NaY(Lu)F4 nanocrystals. Journal of Materials Chemistry C, 2014, 2, 9004-9011.	5.5	38
34	Renal Clearable Biâ€“Bi₂S₃ Heterostructure Nanoparticles for Targeting Cancer Theranostics. ACS Applied Materials & Interfaces, 2019, 11, 7774-7781.	8.0	38
35	An ideal detector composed of a 3D Gd-based coordination polymer for DNA and Hg²⁺ ion. Inorganic Chemistry Frontiers, 2016, 3, 376-380.	6.0	37
36	A highly active (102) surface-induced rapid degradation of a CuS nanotheranostic platform for in situ T₁-weighted magnetic resonance imaging-guided synergistic therapy. Nanoscale, 2019, 11, 12853-12857.	5.6	33

#	Article	IF	Citations
37	Emerging biomaterials: Taking full advantage of the intrinsic properties of rare earth elements. Nano Today, 2020, 35, 100952.	11.9	32
38	Double perovskite Cs₂NaInCl₆ nanocrystals with intense dual-emission via self-trapped exciton-to-Tb³⁺ dopant energy transfer. Journal of Materials Chemistry C, 2022, 10, 10609-10615.	5.5	32
39	Design of a mixed-anionic-ligand system for a blue-light-excited orange-yellow emission phosphor Ba_{1.31}Sr_{3.69}(BO₃)₃Cl:Eu²⁺. Journal of Materials Chemistry C, 2020, 8, 3040-3050.	5.5	31
40	Embellishment of Upconversion Nanoparticles with Ultrasmall Perovskite Quantum Dots for Fullâ€Color Tunable, Dualâ€Modal Luminescence Anticounterfeiting. Advanced Optical Materials, 2021, 9, 2100814.	7.3	31
41	Hydrothermal synthesis and crystal structure of a new two-dimensional zinc citrate complex. Journal of Coordination Chemistry, 2005, 58, 1581-1588.	2.2	30
42	Zn or O? An Atomic Level Comparison on Antibacterial Activities of Zinc Oxides. Chemistry - A European Journal, 2016, 22, 8053-8058.	3.3	30
43	Visible and near-infrared luminescent mesoporous titania microspheres functionalized with lanthanide complexes: microstructure and luminescence with visible excitation. RSC Advances, 2014, 4, 28481.	3.6	26
44	Selective enhancement of green upconversion luminescence from NaYF4:Yb, Er microparticles through Ga3+ doping for sensitive temperature sensing. Journal of Luminescence, 2019, 215, 116632.	3.1	26
45	In situ decorating of ultrasmall Ag2Se on upconversion nanoparticles as novel nanotheranostic agent for multimodal imaging-guided cancer photothermal therapy. Applied Materials Today, 2020, 18, 100497.	4.3	26
46	Simple construction of Cu_{2â^'x}S:Pt nanoparticles as nanotheranostic agent for imaging-guided chemo-photothermal synergistic therapy of cancer. Nanoscale, 2018, 10, 10945-10951.	5.6	23
47	Investigation of 4fâ€Related Electronic Transitions of Rareâ€Earth Doped ZnO Luminescent Materials: Insights from Firstâ€Principles Calculations. ChemPhysChem, 2020, 21, 51-58.	2.1	23
48	Phase-tunable synthesis and upconversion photoluminescence of rare-earth-doped sodium scandium fluoride nanocrystals. CrystEngComm, 2013, 15, 6901.	2.6	22
49	Visibleâ€nearâ€infrared luminescent lanthanide ternary complexes based on betaâ€diketonate using visibleâ€light excitation. Luminescence, 2015, 30, 1071-1076.	2.9	22
50	Coreâ€“shell BaYbF₅:Tm@BaGdF₅:Yb,Tm nanocrystals for in vivo trimodal UCL/CT/MR imaging. RSC Advances, 2016, 6, 14283-14289.	3.6	21
51	A Simple Strategy for the Controlled Synthesis of Ultrasmall Hexagonalâ€Phase NaYF₄:Yb,Er Upconversion Nanocrystals. ChemPhotoChem, 2017, 1, 369-375.	3.0	18
52	Investigation on the photoluminescence and thermoluminescence of BaGa₂O₄:Bi³⁺ at extremely low temperatures. Journal of Materials Chemistry C, 2021, 9, 1786-1793.	5.5	18
53	High-Brightness, Broad-Spectrum White Organic Electroluminescent Device Obtained by Designing Light-Emitting Layers as also Carrier Transport Layers. Journal of Physical Chemistry C, 2010, 114, 21723-21727.	3.1	17
54	A long-wave optical pH sensor based on red upconversion luminescence of NaGdF₄nanotubes. RSC Advances, 2014, 4, 55897-55899.	3.6	16

#	Article	IF	Citations
55	Fabrication and characterization of magnetic mesoporous silica nanospheres covalently bonded with europium complex. Dalton Transactions, 2010, 39, 5166.	3.3	15
56	Coreâ€“shellâ€“shell heterostructures of Î±-NaLuF₄:Yb/Er@NaLuF₄:Yb@MF₂ (M = Ca, Sr, Ba) with remarkably enhanced upconversion luminescence. Dalton Transactions, 2016, 45, 11129-11136.	3.3	15
57	Unveiling the mechanism of rare earth doping to optimize the optical performance of the CsPbBr₃ perovskite. Inorganic Chemistry Frontiers, 2020, 7, 4669-4676.	6.0	15
58	Study of a color-tunable long afterglow phosphor Gd_{1.5}Y_{1.5}Ga₃Al₂O₁₂:Tb³⁺: luminescence properties and mechanism. RSC Advances, 2020, 10, 28049-28058.	3.6	15
59	One-step conversion of CsPbBr₃ into Cs₄PbBr₆/CsPbBr₃@Ta₂O₅ coreâ€“shell microcrystals with enhanced stability and photoluminescence. Journal of Materials Chemistry C, 2021, 9, 1228-1234.	5.5	14
60	Microwave-assisted synthesis of nanoscale Eu(BTC)(H2O)Â·DMF with tunable luminescence. Science China Chemistry, 2015, 58, 973-978.	8.2	13
61	Decoration of upconversion nanocrystals with metal sulfide quantum dots by a universal in situ controlled growth strategy. Nanoscale, 2020, 12, 3977-3987.	5.6	13
62	Erbiumâ€Complexâ€Doped Nearâ€Infrared Luminescent and Magnetic Macroporous Materials. European Journal of Inorganic Chemistry, 2008, 2008, 5513-5518.	2.0	12
63	Near-Infrared-Light-Responsive Copper Oxide Nanoparticles as Efficient Theranostic Nanoagents for Photothermal Tumor Ablation. ACS Applied Bio Materials, 2021, 4, 5266-5275.	4.6	12
64	Simultaneous Enhancement of Photoluminescence and Stability of CsPbCl₃ Perovskite Enabled by Titanium Ion Dopant. Journal of Physical Chemistry Letters, 2021, 12, 10746-10752.	4.6	12
65	Microwave-assisted synthesis and down- and up-conversion luminescent properties of BaYF5:Ln (Ln =) Tj ETQq1 1 0.784314 rgBT /Ov	2.6	11
66	Self-supported Co3O4wire-penetrated-cage hybrid arrays with enhanced supercapacitance properties. CrystEngComm, 2017, 19, 1459-1463.	2.6	11
67	A pH-responsive assembly based on upconversion nanocrystals and ultrasmall nickel nanoparticles. Journal of Materials Chemistry C, 2017, 5, 9666-9672.	5.5	10
68	A new blue long-lasting phosphorescence phosphor Mg2SnO4:Bi3+: synthesis and luminescence properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 4163-4170.	2.2	10
69	Lanthanide-doped bismuth-based fluoride nanoparticles: controlled synthesis and ratiometric temperature sensing. CrystEngComm, 2020, 22, 3432-3438.	2.6	10
70	Developing near-infrared long-lasting phosphorescence of Yb³⁺ through a medium: insights into energy transfer in the novel material Zn_{1.98}Li_{0.02}P₂O₇:Yb³⁺. Dalton Transactions, 2018, 47, 9814-9823.	3.3	9
71	Unveiling the Relationship between Energy Transfer and the Triplet Energy Level by Tuning Diarylethene within Europium(III) Complexes. Inorganic Chemistry, 2020, 59, 661-668.	4.0	9
72	In Situ Construction of Ptâ€“Ni NF@Niâ€MOFâ€74 for Selective Hydrogenation of pâ€Nitrostyrene by Ammonia Borane. Chemistry - A European Journal, 2020, 26, 12539-12543.	3.3	9

#	Article	IF	Citations
73	Engineering Cu_{2â˜’x}S-conjugated upconverting nanocomposites for NIR-II light-induced enhanced chemodynamic/photothermal therapy of cancer. Journal of Materials Chemistry B, 2021, 9, 7216-7228.	5.8	9
74	The size-responsive phase transition mechanism and upconversion/downshifting luminescence properties of KLu₂F₇:Yb³⁺/Er³⁺nanocrystals. Journal of Materials Chemistry C, 2017, 5, 6311-6318.	5.5	8
75	Origin of Color Centers in the Perovskite Oxide CeAlO₃. ChemPlusChem, 2018, 83, 976-983.	2.8	8
76	Thermal Decomposition of CdS Nanowires Assisted by ZIF-67 to Induce the Formation of Co₉S₈-Based Carbon Nanomaterials with High Lithium-Storage Abilities. ACS Applied Energy Materials, 2018, 1, 6242-6249.	5.1	8
77	Insight into the Characteristics of 4f-Related Electronic Transitions for Rare-Earth-Doped KLuS₂ Luminescent Materials through First-Principles Calculation. Journal of Physical Chemistry C, 2020, 124, 932-938.	3.1	8
78	Remarkably Enhanced Red Upconversion Emission in Î²-NaLuF₄:Er,Tm Microcrystals via Ion Exchange. Inorganic Chemistry, 2022, 61, 10713-10721.	4.0	8
79	Engineering Gadoliniumâ€Integrated Tellurium Nanorods for Theoryâ€Oriented Photonic Hyperthermia in the NIRâ€II Biowindow. Small, 2020, 16, 2003508.	10.0	7
80	Ultra-small bimetallic phosphides for dual-modal MRI imaging guided photothermal ablation of tumors. Dalton Transactions, 2022, 51, 4423-4428.	3.3	7
81	Strongly Coupled Ptâ€“Ni₂GeO₄ Hybrid Nanostructures as Potential Nanocatalysts for CO Oxidation. Chemistry - A European Journal, 2015, 21, 14768-14771.	3.3	5
82	Dual-functional Î±-NaYb(Mn)F4:Er3+@NaLuF4 nanocrystals with highly enhanced red upconversion luminescence. RSC Advances, 2016, 6, 33493-33500.	3.6	5
83	Selenium Vacancy Engineering Using Bi₂Se₃ Nanodots for Boosting Highly Efficient Photonic Hyperthermia. ACS Applied Materials & Interfaces, 2021, 13, 48378-48385.	8.0	5
84	Tunable ultra-uniform Cs₄PbBr₆ perovskites with efficient photoluminescence and excellent stability for high-performance white light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 12811-12818.	5.5	4
85	Ligand-Induced Nucleation Growth Kinetics of CdTe QDs: Implications for White-Light-Emitting Diodes. ACS Applied Nano Materials, 2022, 5, 401-410.	5.0	3
86	STRUCTURAL PHASE TRANSITION IN THE LAYERED PEROVSKITE COMPOUND BaTb2Mn2O7. , 2002, , .		0
87	X-RAY ABSORPTION STUDY OF ELECTRONIC, SPATIAL STRUCTURE AND PROPERTIES OF BaLn2Mn2O7 MANGANATES. , 2002, , .		0