Ping Huang

List of Publications by Year in descending order

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56 papers	4,398 citations	101543 36 h-index	149698 56 g-index
57 all docs	57 docs citations	57 times ranked	4856 citing authors

#	Article	IF	Citations
1	A new class of luminescent nanoprobes based on main-group Sb3+ emitters. Nano Research, 2022, 15, 179-185.	10.4	19
2	Polarized upconversion luminescence from a single LiLuF4:Yb3+/Er3+ microcrystal for orientation tracking. Science China Materials, 2022, 65, 220-228.	6.3	16
3	Blue-LED-excitable NIR-II luminescent lanthanide-doped SrS nanoprobes for ratiometric thermal sensing. Science China Materials, 2022, 65, 1094-1102.	6.3	15
4	Dualâ€Bandâ€Tunable Whiteâ€Light Emission from Bi³⁺/Te⁴⁺ Emitters in Perovskiteâ€Derivative Cs₂SnCl₆ Microcrystals. Angewandte Chemie, 2022, 134, .	2.0	7
5	Dualâ€Bandâ€Tunable Whiteâ€Light Emission from Bi³⁺/Te⁴⁺ Emitters in Perovskiteâ€Derivative Cs₂SnCl₆ Microcrystals. Angewandte Chemie - International Edition, 2022, 61, .	13.8	74
6	Highly efficient Sb3+ emitters in 0D cesium indium chloride nanocrystals with switchable photoluminescence through water-triggered structural transformation. Nano Today, 2022, 44, 101460.	11.9	58
7	Efficient Nearâ€Infrared Luminescence in Lanthanideâ€Doped Vacancyâ€Ordered Double Perovskite Cs₂ZrCl₆ Phosphors via Te⁴⁺ Sensitization. Angewandte Chemie - International Edition, 2022, 61, .	13.8	54
8	Efficient Nearâ€Infrared Luminescence in Lanthanideâ€Doped Vacancyâ€Ordered Double Perovskite Cs₂ZrCl₆ Phosphors via Te⁴⁺ Sensitization. Angewandte Chemie, 2022, 134, .	2.0	14
9	Unraveling the triplet excited-state dynamics of Bi3+ in vacancy-ordered double perovskite Cs2SnCl6 nanocrystals. Nano Research, 2022, 15, 6422-6429.	10.4	31
10	Invisible NIR Spectral Imaging and Laserâ€Induced Thermal Imaging of Na(Nd/Y)F₄@glass with Opposite Effect for Optical Security. Laser and Photonics Reviews, 2022, 16, .	8.7	14
11	A general strategy via charge transfer sensitization to achieve efficient NIR luminescence in lanthanide-doped NaGdS₂ nanocrystals. Journal of Materials Chemistry C, 2021, 9, 5148-5153.	5.5	8
12	Ytterbium-Doped CsPbCl₃ Quantum Cutters for Near-Infrared Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2021, 13, 34561-34571.	8.0	43
13	Direct photoinduced synthesis of lead halide perovskite nanocrystals and nanocomposites. Nano Today, 2021, 39, 101179.	11.9	22
14	Unveiling the Excitedâ€State Dynamics of Mn²⁺ in 0D Cs₄PbCl₆ Perovskite Nanocrystals. Advanced Science, 2020, 7, 2002210.	11.2	66
15	Glass-limited Yb/Er:NaLuF₄ nanocrystals: reversible hexagonal-to-cubic phase transition and anti-counterfeiting. Journal of Materials Chemistry C, 2020, 8, 16151-16159.	5.5	20
16	Accurate detection of Î²-hCG in women's serum and cervical secretions for predicting early pregnancy viability based on time-resolved luminescent lanthanide nanoprobes. Nanoscale, 2020, 12, 6729-6735.	5.6	17
17	Mn2+-activated calcium fluoride nanoprobes for time-resolved photoluminescence biosensing. Science China Materials, 2019, 62, 130-137.	6.3	20
18	A New Class of Blueâ€LEDâ€Excitable NIRâ€II Luminescent Nanoprobes Based on Lanthanideâ€Doped CaS Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 9556-9560.	13.8	88

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19	A New Class of Blueâ€LEDâ€Excitable NIRâ€I Luminescent Nanoprobes Based on Lanthanideâ€Doped CaS Nanoparticles. Angewandte Chemie, 2019, 131, 9656-9660.	2.0	6
20	Fullâ€Spectrum Persistent Luminescence Tuning Using Allâ€Inorganic Perovskite Quantum Dots. Angewandte Chemie, 2019, 131, 7017-7021.	2.0	13
21	Fullâ€Spectrum Persistent Luminescence Tuning Using Allâ€Inorganic Perovskite Quantum Dots. Angewandte Chemie - International Edition, 2019, 58, 6943-6947.	13.8	106
22	Unraveling the Electronic Structures of Neodymium in LiLuF₄ Nanocrystals for Ratiometric Temperature Sensing. Advanced Science, 2019, 6, 1802282.	11.2	111
23	Deciphering molecular interaction of binaphthyl compounds with Penicillium expansum lipase: enantioselectivity and reactivity prediction for lipase. Molecular Systems Design and Engineering, 2018, 3, 658-667.	3.4	1
24	A strategy for accurate detection of glucose in human serum and whole blood based on an upconversion nanoparticles-polydopamine nanosystem. Nano Research, 2018, 11, 3164-3174.	10.4	68
25	Near-infrared-triggered photon upconversion tuning in all-inorganic cesium lead halide perovskite quantum dots. Nature Communications, 2018, 9, 3462.	12.8	222
26	Cooperative and non-cooperative sensitization upconversion in lanthanide-doped LiYbF₄ nanoparticles. Nanoscale, 2017, 9, 6521-6528.	5.6	64
27	Manipulating energy transfer in lanthanide-doped single nanoparticles for highly enhanced upconverting luminescence. Chemical Science, 2017, 8, 5050-5056.	7.4	43
28	Water detection through Nd³⁺-sensitized photon upconversion in coreâ€“shell nanoarchitecture. Journal of Materials Chemistry C, 2017, 5, 5434-5443.	5.5	38
29	Intense multi-state visible absorption and full-color luminescence of nitrogen-doped carbon quantum dots for blue-light-excitable solid-state-lighting. Journal of Materials Chemistry C, 2016, 4, 9027-9035.	5.5	119
30	Dual-activator luminescence of RE/TM:Y₃Al₅O₁₂(RE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 phosphors for self-referencing optical thermometry. Journal of Materials Chemistry C, 2016, 4, 9044-9051.	5.5	195
31	Phase structure control and optical spectroscopy of rare-earth activated GdF₃ nanocrystal embedded glass ceramics via alkaline-earth/alkali-metal doping. RSC Advances, 2016, 6, 71176-71187.	3.6	16
32	Tumor Marker Detection: Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes (Adv. Sci. 11/2016). Advanced Science, 2016, 3, .	11.2	0
33	Persistent and photo-stimulated luminescence in Ce³⁺/Cr³⁺ activated Y₃Al₂Ga₃O₁₂ phosphors and transparent phosphor-in-glass. Journal of Materials Chemistry C, 2016, 4, 11457-11464.	5.5	51
34	A dual-functional upconversion core@shell nanostructure for white-light-emission and temperature sensing. Journal of Materials Chemistry C, 2016, 4, 6516-6524.	5.5	81
35	Sub-5 nm lanthanide-doped lutetium oxyfluoride nanoprobes for ultrasensitive detection of prostate specific antigen. Chemical Science, 2016, 7, 2572-2578.	7.4	71
36	Single-composition white-emitting NaSrBO₃:Ce³⁺,Sm³⁺,Tb³⁺phosphors for NUV light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 7286-7293.	5.5	93

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37	Time-resolved luminescent biosensing based on inorganic lanthanide-doped nanoprobes. Chemical Communications, 2015, 51, 4129-4143.	4.1	85
38	Inorganic lanthanide nanoprobes for background-free luminescent bioassays. Science China Materials, 2015, 58, 156-177.	6.3	50
39	Nd³⁺-Sensitized Ho³⁺ Single-Band Red Upconversion Luminescence in Coreâ€“Shell Nanoarchitecture. Journal of Physical Chemistry Letters, 2015, 6, 2833-2840.	4.6	191
40	Lanthanide-doped upconversion nano-bioprobes: electronic structures, optical properties, and biodetection. Chemical Society Reviews, 2015, 44, 1379-1415.	38.1	748
41	Lanthanideâ€Doped LiLuF₄ Upconversion Nanoprobes for the Detection of Disease Biomarkers. Angewandte Chemie - International Edition, 2014, 53, 1252-1257.	13.8	397
42	Diazonium Functionalized Graphene: Microstructure, Electric, and Magnetic Properties. Accounts of Chemical Research, 2013, 46, 43-52.	15.6	81
43	Direct Cï£¿H Bond Arylation of Indoles with Aryl Boronic Acids Catalyzed by Palladium Nanoparticles Encapsulated in Mesoporous Metalâ€“Organic Framework. ChemCatChem, 2013, 5, 1877-1883.	3.7	85
44	Microstructure evolution of diazonium functionalized graphene: A potential approach to change graphene electronic structure. Journal of Materials Chemistry, 2012, 22, 2063-2068.	6.7	38
45	Lanthanide dopant-induced formation of uniform sub-10 nm active-core/active-shell nanocrystals with near-infrared to near-infrared dual-modal luminescence. Journal of Materials Chemistry, 2012, 22, 2632-2640.	6.7	87
46	Graphene Covalently Binding Aryl Groups: Conductivity Increases Rather than Decreases. ACS Nano, 2011, 5, 7945-7949.	14.6	89
47	Luminescence in rare earth-doped transparent glass ceramics containing GdF3 nanocrystals for lighting applications. Journal of Materials Science, 2010, 45, 2775-2779.	3.7	43
48	Improving Er3+ 1.53â€‚Î¼m luminescence by CeF3 nanocrystallization in aluminosilicate glass. Journal of Applied Physics, 2010, 108, 123523.	2.5	13
49	Nd3+-sensitized upconversion white light emission of Tm3+/Ho3+ bridged by Yb3+ in Î²-YF3 nanocrystals embedded transparent glass ceramics. Journal of Applied Physics, 2010, 107, 103511.	2.5	42
50	Optical spectroscopy investigation on distribution of Eu3+ in nanostructured glass ceramics. Journal of Applied Physics, 2010, 107, 093504.	2.5	12
51	Optical spectroscopy of Eu3+ and Tb3+ doped glass ceramics containing LiYbF4 nanocrystals. Applied Physics Letters, 2009, 94, .	3.3	68
52	Cooperative Energy Transfer Up-Conversion and Quantum Cutting Down-Conversion in Yb³⁺:TbF₃ Nanocrystals Embedded Glass Ceramics. Journal of Physical Chemistry C, 2009, 113, 6406-6410.	3.1	132
53	Nanocrystallization of lanthanide trifluoride in an aluminosilicate glass matrix: dimorphism and rare earth partition. CrystEngComm, 2009, 11, 1686.	2.6	49
54	Highly efficient nearâ€infrared to visible upconversion luminescence in transparent glass ceramics containing Yb³⁺/Er³⁺:NaYF₄ nanocrystals. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1680-1684.	1.8	28

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55	Quantum cutting downconversion by cooperative energy transfer from Ce3+ to Yb3+ in borate glasses. Journal of Applied Physics, 2008, 104, .	2.5	153
56	Structure and Optical Spectroscopy of Eu-Doped Glass Ceramics Containing GdF₃ Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 18943-18947.	3.1	81