

Jin Xu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,090
citations

516710

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677142

22
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docs citations

24
times ranked

1475
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-infrared-triggered photon upconversion tuning in all-inorganic cesium lead halide perovskite quantum dots. <i>Nature Communications</i> , 2018, 9, 3462.	12.8	222
2	Multifunctional Nano-Bioprobes Based on Rattle-Structured Upconverting Luminescent Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7915-7919.	13.8	145
3	Sub-5 nm lanthanide-doped lutetium oxyfluoride nanoprobcs for ultrasensitive detection of prostate specific antigen. <i>Chemical Science</i> , 2016, 7, 2572-2578.	7.4	71
4	Lanthanide-doped near-infrared II luminescent nanoprobcs for bioapplications. <i>Science China Materials</i> , 2019, 62, 1071-1086.	6.3	70
5	Unveiling the Excited-State Dynamics of Mn ²⁺ in OD Cs ₄ PbCl ₆ Perovskite Nanocrystals. <i>Advanced Science</i> , 2020, 7, 2002210.	11.2	66
6	Broadband NIR photostimulated luminescence nanoprobcs based on CaS:Eu ²⁺ ,Sm ³⁺ nanocrystals. <i>Chemical Science</i> , 2019, 10, 5452-5460.	7.4	65
7	Cooperative and non-cooperative sensitization upconversion in lanthanide-doped LiYbF ₄ nanoparticles. <i>Nanoscale</i> , 2017, 9, 6521-6528.	5.6	64
8	Boosting the Self-Trapped Exciton Emission in Alloyed Cs ₂ (Ag/Na)InCl ₆ Double Perovskite via Cu ⁺ Doping. <i>Advanced Science</i> , 2022, 9, e2103724.	11.2	64
9	Tailoring the Broadband Emission in All-Inorganic Lead-Free OD In-Based Halides through Sb ³⁺ Doping. <i>Advanced Optical Materials</i> , 2021, 9, 2100434.	7.3	56
10	Moisture-resistant and highly efficient narrow-band red-emitting fluoride phosphor K ₂ NaCaF ₆ :Mn ⁴⁺ for warm white LED application. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7906-7914.	5.5	42
11	Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes. <i>Advanced Science</i> , 2016, 3, 1600197.	11.2	38
12	Engineering the Bandgap and Surface Structure of CsPbCl ₃ Nanocrystals to Achieve Efficient Ultraviolet Luminescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9693-9698.	13.8	32
13	Unraveling the triplet excited-state dynamics of Bi ³⁺ in vacancy-ordered double perovskite Cs ₂ SnCl ₆ nanocrystals. <i>Nano Research</i> , 2022, 15, 6422-6429.	10.4	31
14	Interfacial Defects Dictated In Situ Fabrication of Yolk-Shell Upconversion Nanoparticles by Electron-Beam Irradiation. <i>Advanced Science</i> , 2018, 5, 1800766.	11.2	23
15	Unusual Temperature Dependence of Bandgap in 2D Inorganic Lead-Halide Perovskite Nanoplatelets. <i>Advanced Science</i> , 2021, 8, e2100084.	11.2	23
16	Lanthanide-doped LaOBr nanocrystals: controlled synthesis, optical spectroscopy and bioimaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4827-4834.	5.8	19
17	Polarized upconversion luminescence from a single LiLuF ₄ :Yb ³⁺ /Er ³⁺ microcrystal for orientation tracking. <i>Science China Materials</i> , 2022, 65, 220-228.	6.3	16
18	Multifunctional Nano-Bioprobes Based on Rattle-Structured Upconverting Luminescent Nanoparticles. <i>Angewandte Chemie</i> , 2015, 127, 8026-8030.	2.0	14

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19	Enhancing multiphoton upconversion emissions through confined energy migration in lanthanide-doped Cs ₂ NaYF ₆ nanoplatelets. <i>Nanoscale</i> , 2021, 13, 9766-9772.	5.6	10
20	A general strategy <i>via</i> charge transfer sensitization to achieve efficient NIR luminescence in lanthanide-doped NaCdS ₂ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5148-5153.	5.5	8
21	Boosting the Energy Migration Upconversion through Inter-Shell Energy Transfer in Tb ³⁺ -Doped Sandwich Structured Nanocrystals. <i>CCS Chemistry</i> , 2022, 4, 2031-2042.	7.8	8
22	Engineering the Bandgap and Surface Structure of CsPbCl ₃ Nanocrystals to Achieve Efficient Ultraviolet Luminescence. <i>Angewandte Chemie</i> , 2021, 133, 9779-9784.	2.0	2
23	Lanthanide nanoparticles ignite dark molecular triplets. <i>Science China Chemistry</i> , 2021, 64, 511-512.	8.2	1
24	Tumor Marker Detection: Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes (<i>Adv. Sci.</i> 11/2016). <i>Advanced Science</i> , 2016, 3, .	11.2	0