Jin Xu

List of Publications by Year
in descending order

24 papers	1,090 citations	516710 16 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1475 citing authors

#	Article	IF	Citations
1	Boosting the Energy Migration Upconversion through Inter-Shell Energy Transfer in Tb ³⁺ -Doped Sandwich Structured Nanocrystals. CCS Chemistry, 2022, 4, 2031-2042.	7.8	8
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	Boosting the Selfâ€Trapped Exciton Emission in Alloyed Cs₂(Ag/Na)InCl₆ Double Perovskite via Cu⁺ Doping. Advanced Science, 2022, 9, e2103724.	11.2	64
4	Unraveling the triplet excited-state dynamics of Bi3+ in vacancy-ordered double perovskite Cs2SnCl6 nanocrystals. Nano Research, 2022, 15, 6422-6429.	10.4	31
5	Enhancing multiphoton upconversion emissions through confined energy migration in lanthanide-doped Cs₂NaYF₆ nanoplatelets. Nanoscale, 2021, 13, 9766-9772.	5.6	10
6	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
7	Engineering the Bandgap and Surface Structure of CsPbCl₃ Nanocrystals to Achieve Efficient Ultraviolet Luminescence. Angewandte Chemie - International Edition, 2021, 60, 9693-9698.	13.8	32
8	Engineering the Bandgap and Surface Structure of CsPbCl 3 Nanocrystals to Achieve Efficient Ultraviolet Luminescence. Angewandte Chemie, 2021, 133, 9779-9784.	2.0	2
9	Tailoring the Broadband Emission in Allâ€Inorganic Leadâ€Free 0D Inâ€Based Halides through Sb³⁺ Doping. Advanced Optical Materials, 2021, 9, 2100434.	7.3	56
10	Unusual Temperature Dependence of Bandgap in 2D Inorganic Leadâ€Halide Perovskite Nanoplatelets. Advanced Science, 2021, 8, e2100084.	11.2	23
11	Lanthanide nanoparticles ignite dark molecular triplets. Science China Chemistry, 2021, 64, 511-512.	8.2	1
12	Unveiling the Excitedâ€State Dynamics of Mn²⁺ in 0D Cs₄PbCl₆ Perovskite Nanocrystals. Advanced Science, 2020, 7, 2002210.	11.2	66
13	Moisture-resistant and highly efficient narrow-band red-emitting fluoride phosphor K₂NaGaF₆:Mn⁴⁺ for warm white LED application. Journal of Materials Chemistry C, 2019, 7, 7906-7914.	5.5	42
14	Broadband NIR photostimulated luminescence nanoprobes based on CaS:Eu²⁺,Sm³⁺ nanocrystals. Chemical Science, 2019, 10, 5452-5460.	7.4	65
15	Lanthanide-doped near-infrared II luminescent nanoprobes for bioapplications. Science China Materials, 2019, 62, 1071-1086.	6.3	70
16	Interfacial Defects Dictated In Situ Fabrication of Yolkâ€“Shell Upconversion Nanoparticles by Electronâ€Beam Irradiation. Advanced Science, 2018, 5, 1800766.	11.2	23
17	Near-infrared-triggered photon upconversion tuning in all-inorganic cesium lead halide perovskite quantum dots. Nature Communications, 2018, 9, 3462.	12.8	222
18	Cooperative and non-cooperative sensitization upconversion in lanthanide-doped LiYbF₄ nanoparticles. Nanoscale, 2017, 9, 6521-6528.	5.6	64

#	Article	IF	Citations
19	Lanthanide-doped LaOBr nanocrystals: controlled synthesis, optical spectroscopy and bioimaging. Journal of Materials Chemistry B, 2017, 5, 4827-4834.	5.8	19
20	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
21	Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nanoâ€Bioprobes. Advanced Science, 2016, 3, 1600197.	11.2	38
22	Sub-5 nm lanthanide-doped lutetium oxyfluoride nanoprobes for ultrasensitive detection of prostate specific antigen. Chemical Science, 2016, 7, 2572-2578.	7.4	71
23	Multifunctional Nanoâ€Bioprobes Based on Rattleâ€Structured Upconverting Luminescent Nanoparticles. Angewandte Chemie, 2015, 127, 8026-8030.	2.0	14
24	Multifunctional Nanoâ€Bioprobes Based on Rattleâ€Structured Upconverting Luminescent Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 7915-7919.	13.8	145