P Tim Prins

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6347173/publications.pdf

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16	777	933447 10	1058476 14
papers	citations	h-index	g-index

20	20	20	1343
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quenching Pathways in NaYF₄:Er³⁺,Yb³⁺ Upconversion Nanocrystals. ACS Nano, 2018, 12, 4812-4823.	14.6	244
2	NaYF₄:Er³⁺,Yb³⁺/SiO₂ Core/Shell Upconverting Nanocrystals for Luminescence Thermometry up to 900 K. Journal of Physical Chemistry C, 2017, 121, 3503-3510.	3.1	185
3	Europium-Doped NaYF₄ Nanocrystals as Probes for the Electric and Magnetic Local Density of Optical States throughout the Visible Spectral Range. Nano Letters, 2016, 16, 7254-7260.	9.1	57
4	Unraveling the Growth Mechanism of Magic-Sized Semiconductor Nanocrystals. Journal of the American Chemical Society, 2021, 143, 2037-2048.	13.7	56
5	Crystallization of Nanocrystals in Spherical Confinement Probed by in Situ X-ray Scattering. Nano Letters, 2018, 18, 3675-3681.	9.1	53
6	Near-Infrared-Emitting CuInS₂/ZnS Dot-in-Rod Colloidal Heteronanorods by Seeded Growth. Journal of the American Chemical Society, 2018, 140, 5755-5763.	13.7	45
7	Exciton Fine Structure and Lattice Dynamics in InP/ZnSe Core/Shell Quantum Dots. ACS Photonics, 2018, 5, 3353-3362.	6.6	42
8	Extended Nucleation and Superfocusing in Colloidal Semiconductor Nanocrystal Synthesis. Nano Letters, 2021, 21, 2487-2496.	9.1	36
9	Unusual Spectral Diffusion of Single CuInS₂ Quantum Dots Sheds Light on the Mechanism of Radiative Decay. Nano Letters, 2021, 21, 658-665.	9.1	30
10	Should Anisotropic Emission or Reabsorption of Nanoparticle Luminophores Be Optimized for Increasing Luminescent Solar Concentrator Efficiency?. Solar Rrl, 2020, 4, 2000279.	5.8	10
11	In Situ Optical and X-ray Spectroscopy Reveals Evolution toward Mature CdSe Nanoplatelets by Synergetic Action of Myristate and Acetate Ligands. Journal of the American Chemical Society, 2022, 144, 8096-8105.	13.7	9
12	Reply to â€œOvertone Vibrational Transition-Induced Lanthanide Excited-State Quenching in Yb³⁺/Er³⁺-Doped Upconversion Nanocrystalsâ€• ACS Nano, 2018, 12, 10576-10577.	14.6	5
13	Universality of optical absorptance quantization in two-dimensional group-IV, III-V, II-VI, and IV-VI semiconductors. Physical Review B, 2022, 105, .	3.2	3
14	The Fine-Structure Constant as a Ruler for the Band-Edge Light Absorption Strength of Bulk and Quantum-Confined Semiconductors. Nano Letters, 2021, 21, 9426-9432.	9.1	1
15	Doping InP Quantum Dots with Cu+ slows down Hot Electron Cooling. , 0, , .		0
16	Doping InP Quantum Dots with Cu+ slows down Hot Electron Cooling. , 0, , .		0