

# P Tim Prins

## List of Publications by Year in descending order

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

Version: 2024-02-01

16  
papers

777  
citations

933447

10  
h-index

1058476

14  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Universality of optical absorptance quantization in two-dimensional group-IV, III-V, II-VI, and IV-VI semiconductors. <i>Physical Review B</i> , 2022, 105, .	3.2	3
2	<i>In Situ</i> Optical and X-ray Spectroscopy Reveals Evolution toward Mature CdSe Nanoplatelets by Synergetic Action of Myristate and Acetate Ligands. <i>Journal of the American Chemical Society</i> , 2022, 144, 8096-8105.	13.7	9
3	Unraveling the Growth Mechanism of Magic-Sized Semiconductor Nanocrystals. <i>Journal of the American Chemical Society</i> , 2021, 143, 2037-2048.	13.7	56
4	Unusual Spectral Diffusion of Single $\text{CuInS}_2$ Quantum Dots Sheds Light on the Mechanism of Radiative Decay. <i>Nano Letters</i> , 2021, 21, 658-665.	9.1	30
5	Extended Nucleation and Superfocusing in Colloidal Semiconductor Nanocrystal Synthesis. <i>Nano Letters</i> , 2021, 21, 2487-2496.	9.1	36
6	The Fine-Structure Constant as a Ruler for the Band-Edge Light Absorption Strength of Bulk and Quantum-Confined Semiconductors. <i>Nano Letters</i> , 2021, 21, 9426-9432.	9.1	1
7	Should Anisotropic Emission or Reabsorption of Nanoparticle Luminophores Be Optimized for Increasing Luminescent Solar Concentrator Efficiency?. <i>Solar Rrl</i> , 2020, 4, 2000279.	5.8	10
8	Quenching Pathways in $\text{NaYF}_4:\text{Er}^{3+}, \text{Yb}^{3+}$ Upconversion Nanocrystals. <i>ACS Nano</i> , 2018, 12, 4812-4823.	14.6	244
9	Near-Infrared-Emitting $\text{CuInS}_2/\text{ZnS}$ Dot-in-Rod Colloidal Heteronanorods by Seeded Growth. <i>Journal of the American Chemical Society</i> , 2018, 140, 5755-5763.	13.7	45
10	Reply to "Overtone Vibrational Transition-Induced Lanthanide Excited-State Quenching in $\text{Yb}^{3+}/\text{Er}^{3+}$ -Doped Upconversion Nanocrystals". <i>ACS Nano</i> , 2018, 12, 10576-10577.	14.6	5
11	Crystallization of Nanocrystals in Spherical Confinement Probed by <i>In Situ</i> X-ray Scattering. <i>Nano Letters</i> , 2018, 18, 3675-3681.	9.1	53
12	Exciton Fine Structure and Lattice Dynamics in $\text{InP}/\text{ZnSe}$ Core/Shell Quantum Dots. <i>ACS Photonics</i> , 2018, 5, 3353-3362.	6.6	42
13	$\text{NaYF}_4:\text{Er}^{3+}, \text{Yb}^{3+}/\text{SiO}_2$ Core/Shell Upconverting Nanocrystals for Luminescence Thermometry up to 900 K. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3503-3510.	3.1	185
14	Europium-Doped $\text{NaYF}_4$ Nanocrystals as Probes for the Electric and Magnetic Local Density of Optical States throughout the Visible Spectral Range. <i>Nano Letters</i> , 2016, 16, 7254-7260.	9.1	57
15	Doping InP Quantum Dots with $\text{Cu}^+$ slows down Hot Electron Cooling. , 0, , .		0
16	Doping InP Quantum Dots with $\text{Cu}^+$ slows down Hot Electron Cooling. , 0, , .		0