

# Jaco J Geuchies

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

1,403  
citations

623734

14  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

2842  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Emissive Divalent-Ion-Doped Colloidal CsPb <sub>1-x</sub> M <sub>x</sub> Br <sub>3</sub> Perovskite Nanocrystals through Cation Exchange. <i>Journal of the American Chemical Society</i> , 2017, 139, 4087-4097.	13.7	590
2	In situ study of the formation mechanism of two-dimensional superlattices from PbSe nanocrystals. <i>Nature Materials</i> , 2016, 15, 1248-1254.	27.5	199
3	Strong Carrier-Phonon Coupling in Lead Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2017, 11, 11024-11030.	14.6	119
4	Spectroscopic Evidence for the Contribution of Holes to the Bleach of Cd-Chalcogenide Quantum Dots. <i>Nano Letters</i> , 2019, 19, 3002-3010.	9.1	72
5	Cuboidal Supraparticles Self-Assembled from Cubic CsPbBr <sub>3</sub> Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15706-15712.	3.1	65
6	Tuning and Probing the Distribution of Cu <sup>+</sup> and Cu <sup>2+</sup> Trap States Responsible for Broad-Band Photoluminescence in CuInS <sub>2</sub> Nanocrystals. <i>ACS Nano</i> , 2018, 12, 11244-11253.	14.6	56
7	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
8	Locating and Controlling the Zn Content in In(Zn)P Quantum Dots. <i>Chemistry of Materials</i> , 2020, 32, 557-565.	6.7	40
9	Extended Nucleation and Superfocusing in Colloidal Semiconductor Nanocrystal Synthesis. <i>Nano Letters</i> , 2021, 21, 2487-2496.	9.1	36
10	Electrochemical Modulation of the Photophysics of Surface-Localized Trap States in Core/Shell/(Shell) Quantum Dot Films. <i>Chemistry of Materials</i> , 2019, 31, 8484-8493.	6.7	35
11	Oleic Acid-Induced Atomic Alignment of ZnS Polyhedral Nanocrystals. <i>Nano Letters</i> , 2016, 16, 2608-2614.	9.1	33
12	In Situ Probing of Stack-Templated Growth of Ultrathin Cu <sub>2</sub> S Nanosheets. <i>Chemistry of Materials</i> , 2016, 28, 6381-6389.	6.7	29
13	Quantitative Electrochemical Control over Optical Gain in Quantum-Dot Solids. <i>ACS Nano</i> , 2021, 15, 377-386.	14.6	22
14	Unravelling three-dimensional adsorption geometries of PbSe nanocrystal monolayers at a liquid-air interface. <i>Communications Chemistry</i> , 2020, 3, .	4.5	19
15	Biexciton Binding Energy and Line width of Single Quantum Dots at Room Temperature. <i>Nano Letters</i> , 2021, 21, 5760-5766.	9.1	18
16	Engineering the Band Alignment in QD Heterojunction Films via Ligand Exchange. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29599-29608.	3.1	8
17	Integrating Sphere Fourier Microscopy of Highly Directional Emission. <i>ACS Photonics</i> , 2021, 8, 1143-1151.	6.6	7
18	Quantitative electrochemical control over optical gain in colloidal quantum-dot and quantum-well solids. , 2020, , .		2