

Joep L Peters

List of Publications by Year in descending order

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9
papers

498
citations

1307594
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1474206
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9
all docs

9
docs citations

9
times ranked

959
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	High charge mobility in two-dimensional percolative networks of PbSe quantum dots connected by atomic bonds. <i>Nature Communications</i> , 2015, 6, 8195.	12.8	125
3	Ligand-Induced Shape Transformation of PbSe Nanocrystals. <i>Chemistry of Materials</i> , 2017, 29, 4122-4128.	6.7	45
4	Interfacial Self-Assembly and Oriented Attachment in the Family of PbX (X = S, Se, Te) Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12464-12473.	3.1	43
5	Mono- and Multilayer Silicene-Type Honeycomb Lattices by Oriented Attachment of PbSe Nanocrystals: Synthesis, Structural Characterization, and Analysis of the Disorder. <i>Chemistry of Materials</i> , 2018, 30, 4831-4837.	6.7	34
6	Atomic Structure of Wurtzite CdSe (Core)/CdS (Giant Shell) Nanobullets Related to Epitaxy and Growth. <i>Journal of the American Chemical Society</i> , 2016, 138, 14288-14293.	13.7	30
7	Sizing Curve, Absorption Coefficient, Surface Chemistry, and Aliphatic Chain Structure of PbTe Nanocrystals. <i>Chemistry of Materials</i> , 2019, 31, 1672-1680.	6.7	17
8	Room-Temperature Electron Transport in Self-Assembled Sheets of PbSe Nanocrystals with a Honeycomb Nanogeometry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14058-14066.	3.1	4
9	On the Formation of Honeycomb Superlattices from PbSe Quantum Dots: The Role of Solvent-Mediated Repulsion and Facet-to-Facet Attraction in NC Self-Assembly and Alignment. <i>Journal of Physical Chemistry C</i> , 2022, 126, 986-996.	3.1	1