Urko Petralanda

List of Publications by Year
in descending order

23	1,136	623574	713332
papers	citations	14 h-index	21 g-index

23	23	23	1663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent progress of the Computational 2D Materials Database (C2DB). 2D Materials, 2021, 8, 044002.	2.0	218
2	Simultaneous Cationic and Anionic Ligand Exchange For Colloidally Stable CsPbBr₃ Nanocrystals. ACS Energy Letters, 2019, 4, 819-824.	8.8	173
3	The Phosphine Oxide Route toward Lead Halide Perovskite Nanocrystals. Journal of the American Chemical Society, 2018, 140, 14878-14886.	6.6	136
4	Shape-Pure, Nearly Monodispersed CsPbBr₃ Nanocubes Prepared Using Secondary Aliphatic Amines. Nano Letters, 2018, 18, 7822-7831.	4.5	132
5	Stable Ligand Coordination at the Surface of Colloidal CsPbBr₃ Nanocrystals. Journal of Physical Chemistry Letters, 2019, 10, 3715-3726.	2.1	77
6	Temperature-Driven Transformation of CsPbBr₃ Nanoplatelets into Mosaic Nanotiles in Solution through Self-Assembly. Nano Letters, 2020, 20, 1808-1818.	4.5	66
7	Fully Inorganic Ruddlesdenâ€“Popper Double Clâ€“I and Triple Clâ€“Brâ€“I Lead Halide Perovskite Nanocrystals. Chemistry of Materials, 2019, 31, 2182-2190.	3.2	60
8	Low-energy structural dynamics of ferroelectric domain walls in hexagonal rare-earth manganites. Science Advances, 2017, 3, e1602371.	4.7	52
9	Ultrathin Orthorhombic PbS Nanosheets. Chemistry of Materials, 2019, 31, 8145-8153.	3.2	37
10	Lateral epitaxial heterojunctions in single nanowires fabricated by masked cation exchange. Nature Communications, 2018, 9, 505.	5.8	28
11	Ruthenium-Decorated Cobalt Selenide Nanocrystals for Hydrogen Evolution. ACS Applied Nano Materials, 2019, 2, 5695-5703.	2.4	28
12	In Situ Dynamic Nanostructuring of the Cuâ€“Ti Catalyst-Support System Promotes Hydrogen Evolution under Alkaline Conditions. ACS Applied Materials & Interfaces, 2018, 10, 29583-29592.	4.0	18
13	Oxygen Vacancies Nucleate Charged Domain Walls in Ferroelectrics. Physical Review Letters, 2021, 127, 117601.	2.9	17
14	Cs₃Cu₄In₂Cl₁₃ Nanocrystals: A Perovskite-Related Structure with Inorganic Clusters at A Sites. Inorganic Chemistry, 2020, 59, 548-554.	1.9	16
15	Anisotropic properties of monolayer 2D materials: An overview from the C2DB database. Journal of Applied Physics, 2020, 128, .	1.1	16
16	Fast Intrinsic Emission Quenching in Cs₄PbBr₆ Nanocrystals. Nano Letters, 2021, 21, 8619-8626.	4.5	16
17	Triggering Cation Exchange Reactions by Doping. Journal of Physical Chemistry Letters, 2018, 9, 4895-4900.	2.1	12
18	Photoluminescence enhancement and high accuracy patterning of lead halide perovskite single crystals by MeV ion beam irradiation. Journal of Materials Chemistry C, 2020, 8, 9923-9930.	2.7	12

#	ARTICLE	IF	CITATIONS
19	Ab initiostudy of the structural phase transitions of the double perovskites<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>Sr</mml:mtext><mml:mn>2</mml:mn> Structural instabilities and sequence of phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">SrBi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Nb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">SrBi	1.1	10
20	Physical Review B, 2014, 89, .	1.1	10
21	A unified description of the double perovskite family Sr2MWO6 within a rigid ion model. Physical Chemistry Chemical Physics, 2016, 18, 26033-26039.	1.3	2
22	First principles investigation of the strain-mode coupling in SrBi2Nb2O9. Ferroelectrics, 2017, 515, 85-91.	0.3	0
23	Influence of epitaxial strain on multiple-mode compounds: The case of SrBi2Nb2O9. Physical Review B, 2017, 96, .	1.1	0