

# Urko Petralanda

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,136  
citations

623574

14  
h-index

713332

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1663  
citing authors

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

#	ARTICLE	IF	CITATIONS
19	First principles investigation of the strain-mode coupling in SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> . Ferroelectrics, 2017, 515, 85-91.	0.3	0
20	Influence of epitaxial strain on multiple-mode compounds: The case of SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> . Physical Review B, 2017, 96, .	1.1	0
21	A unified description of the double perovskite family Sr <sub>2</sub> MWO <sub>6</sub> within a rigid ion model. Physical Chemistry Chemical Physics, 2016, 18, 26033-26039.	1.3	2
22	Structural instabilities and sequence of phase transitions in $\text{SrBi}_2\text{Nb}_2\text{O}_9$ and $\text{SrBi}_2\text{Ta}_2\text{O}_9$ . Physical Review B, 2014, 89, .	1.1	10
23	<i>Ab initio</i> study of the structural phase transitions of the double perovskites $\text{Sr}_2\text{MWO}_6$ ( $\text{M} = \text{Nb}, \text{Ta}$ ). Physical Review B, 2014, 89, .	1.1	10