

High-efficiency two-dimensional Ruddlesdenâ€™Poppe

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Citation Report

#	ARTICLE	IF	CITATIONS
8	A close examination of the structure and dynamics of $\text{HC}(\text{NH})_2\text{PbI}_3$ by MD simulations and group theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27109-27118.	1.3	48
9	Room-temperature electroluminescence from two-dimensional lead halide perovskites. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	65
10	Elastic Constants, Optical Phonons, and Molecular Relaxations in the High Temperature Plastic Phase of the $\text{CH}_3\text{NH}_3\text{PbBr}_3$ Hybrid Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3776-3784.	2.1	89
11	Impact of Photon Recycling on the Open-Circuit Voltage of Metal Halide Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2016, 1, 731-739.	8.8	130
12	Recent progress on stability issues of organic-inorganic hybrid lead perovskite-based solar cells. <i>RSC Advances</i> , 2016, 6, 89356-89366.	1.7	69
13	Pure Cs_4PbBr_6 : Highly Luminescent Zero-Dimensional Perovskite Solids. <i>ACS Energy Letters</i> , 2016, 1, 840-845.	8.8	481
14	Charge-Carrier Dynamics in 2D Hybrid Metal-Halide Perovskites. <i>Nano Letters</i> , 2016, 16, 7001-7007.	4.5	428
15	Role of Organic Counterion in Lead- and Tin-Based Two-Dimensional Semiconducting Iodide Perovskites and Application in Planar Solar Cells. <i>Chemistry of Materials</i> , 2016, 28, 7781-7792.	3.2	228
16	Direct Observation of Electron-Phonon Coupling and Slow Vibrational Relaxation in Organic-Inorganic Hybrid Perovskites. <i>Journal of the American Chemical Society</i> , 2016, 138, 13798-13801.	6.6	196
17	Distinctive excitonic recombination in solution-processed layered organic-inorganic hybrid two-dimensional perovskites. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10198-10204.	2.7	25
18	Highly Tunable Colloidal Perovskite Nanoplatelets through Variable Cation, Metal, and Halide Composition. <i>ACS Nano</i> , 2016, 10, 7830-7839.	7.3	466
19	Multinuclear NMR as a tool for studying local order and dynamics in $\text{CH}_3\text{NH}_3\text{PbX}_3$ ($\text{X} = \text{Cl}, \text{Br}, \text{I}$) hybrid perovskites. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27133-27142.	1.3	78
20	Surface Electronic Structure of Hybrid Organo Lead Bromide Perovskite Single Crystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21710-21715.	1.5	58
21	All-Inorganic Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 15829-15832.	6.6	899
22	Multidimensional Perovskites: A Mixed Cation Approach Towards Ambient Stable and Tunable Perovskite Photovoltaics. <i>ChemSusChem</i> , 2016, 9, 2541-2558.	3.6	88
23	Symmetry-Based Tight Binding Modeling of Halide Perovskite Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3833-3840.	2.1	57
24	Photodetectors Based on Two-Dimensional Layer-Structured Hybrid Lead Iodide Perovskite Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25660-25666.	4.0	174
25	Chemical Trends of Electronic Properties of Two-Dimensional Halide Perovskites and Their Potential Applications for Electronics and Optoelectronics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24682-24687.	1.5	41

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27	Liquid Water- and Heat-Resistant Hybrid Perovskite Photovoltaics via an Inverted ALD Oxide Electron Extraction Layer Design. Nano Letters, 2016, 16, 7786-7790.	4.5	71
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135	Metal halide perovskite nanomaterials: synthesis and applications. <i>Chemical Science</i> , 2017, 8, 2522-2536.	3.7	233
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150	Generalized Self-Doping Engineering towards Ultrathin and Large-Sized Two-Dimensional Homologous Perovskites. <i>Angewandte Chemie</i> , 2017, 129, 15089-15093.	1.6	65
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