

MarÃ-a C GÃ©lvez-Rueda

List of Publications by Year in descending order

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24
papers

1,346
citations

516710

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all docs

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docs citations

26
times ranked

2548
citing authors

#	ARTICLE	IF	CITATIONS
1	Directâ€“indirect character of the bandgap in methylammonium lead iodide perovskite. <i>Nature Materials</i> , 2017, 16, 115-120.	27.5	369
2	Charge Carrier Dynamics in Cs ₂ AgBiBr ₆ Double Perovskite. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4809-4816.	3.1	131
3	Interconversion between Free Charges and Bound Excitons in 2D Hybrid Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26566-26574.	3.1	123
4	Overcoming the exciton binding energy in two-dimensional perovskite nanoplatelets by attachment of conjugated organic chromophores. <i>Nature Communications</i> , 2020, 11, 1901.	12.8	89
5	Band-Like Charge Transport in Cs ₂ AgBiBr ₆ and Mixed Antimonyâ€“Bismuth Cs ₂ AgBiSbBr ₆ Halide Double Perovskites. <i>ACS Omega</i> , 2018, 3, 11655-11662.	3.5	84
6	Guanineâ€“Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4691-4697.	13.8	61
7	Formamidiniumâ€“Based Dionâ€“Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2003428.	14.9	61
8	Effect of Cation Rotation on Charge Dynamics in Hybrid Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16577-16585.	3.1	54
9	Temperature Dependent Charge Carrier Dynamics in Formamidinium Lead Iodide Perovskite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23392-23397.	3.1	51
10	Multi-layered hybrid perovskites templated with carbazole derivatives: optical properties, enhanced moisture stability and solar cell characteristics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22899-22908.	10.3	42
11	Inducing Charge Separation in Solid-State Two-Dimensional Hybrid Perovskites through the Incorporation of Organic Charge-Transfer Complexes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 824-830.	4.6	40
12	The effect of structural dimensionality on carrier mobility in lead-halide perovskites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23949-23957.	10.3	38
13	Lead-Halide Perovskites Meet Donorâ€“Acceptor Charge-Transfer Complexes. <i>Chemistry of Materials</i> , 2019, 31, 6880-6888.	6.7	36
14	Mechanochemical Synthesis of Sn(II) and Sn(IV) Iodide Perovskites and Study of Their Structural, Chemical, Thermal, Optical, and Electrical Properties. <i>Energy Technology</i> , 2020, 8, 1900788.	3.8	34
15	Effect of Coâ€“Solvents on the Crystallization and Phase Distribution of Mixedâ€“Dimensional Perovskites. <i>Advanced Energy Materials</i> , 2021, 11, 2102144.	19.5	25
16	Potential and limitations of CsBi ₃ I ₁₀ as a photovoltaic material. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15670-15674.	10.3	21
17	Effect of Structural Defects and Impurities on the Excited State Dynamics of 2D BA ₂ Pb ₄ Perovskite. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000121.	1.6	17
18	2D layered perovskite containing functionalised benzothieno-benzothiophene molecules: formation, degradation, optical properties and photoconductivity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7181-7188.	5.5	17

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19	Naphthalenediimide/Formamidinium-Based Low-Dimensional Perovskites. Chemistry of Materials, 2021, 33, 6412-6420.	6.7	16
20	Unravelling the structural complexity and photophysical properties of adamantyl-based layered hybrid perovskites. Journal of Materials Chemistry A, 2020, 8, 17732-17740.	10.3	14
21	Perovskite Solar Cells: Stable under Space Conditions. Solar Rrl, 2020, 4, 2000447.	5.8	14
22	Electronic mobility and crystal structures of 2,5-dimethylanilinium triiodide and tin-based organic-inorganic hybrid compounds. Journal of Solid State Chemistry, 2019, 270, 593-600.	2.9	9
23	Guanine-Stabilized Formamidinium Lead Iodide Perovskites. Angewandte Chemie, 2020, 132, 4721-4727.	2.0	0
24	Effect of Co-Solvents on the Crystallization and Phase Distribution of Mixed-Dimensional Perovskites (Adv. Energy Mater. 42/2021). Advanced Energy Materials, 2021, 11, 2170168.	19.5	0