

Hayden A Evans

List of Publications by Citations

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28
papers

1,065
citations

14
h-index

29
g-index

29
ext. papers

1,286
ext. citations

10.3
avg, IF

4.28
L-index

#	Paper	IF	Citations
28	Crystal and Electronic Structures of Complex Bismuth Iodides $A_3Bi_2I_9$ ($A = K, Rb, Cs$) Related to Perovskite: Aiding the Rational Design of Photovoltaics. <i>Chemistry of Materials</i> , 2015 , 27, 7137-7148	9.6	328
27	Dynamic Stereochemical Activity of the Sn(2+) Lone Pair in Perovskite $CsSnBr_3$. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11820-32	16.4	158
26	Temperature-Dependent Polarization in Field-Effect Transport and Photovoltaic Measurements of Methylammonium Lead Iodide. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3565-71	6.4	89
25	Dielectric and Thermodynamic Signatures of Low-Temperature Glassy Dynamics in the Hybrid Perovskites $CH_3NH_3PbI_3$ and $HC(NH_2)_2PbI_3$. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 376-81	6.4	81
24	Ultrawide Thermo-optic Tuning of PbTe Meta-Atoms. <i>Nano Letters</i> , 2017 , 17, 3940-3945	11.5	57
23	Infinite Polyiodide Chains in the Pyrroloperylene-Iodine Complex: Insights into the Starch-Iodine and Perylene-Iodine Complexes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8032-5	16.4	46
22	(TTF)Pb ₂ I ₅ : A Radical Cation-Stabilized Hybrid Lead Iodide with Synergistic Optoelectronic Signatures. <i>Chemistry of Materials</i> , 2016 , 28, 3607-3611	9.6	36
21	Main-Group Halide Semiconductors Derived from Perovskite: Distinguishing Chemical, Structural, and Electronic Aspects. <i>Inorganic Chemistry</i> , 2017 , 56, 11-25	5.1	36
20	Perovskite-related ReO ₃ -type structures. <i>Nature Reviews Materials</i> , 2020 , 5, 196-213	73.3	33
19	Hydrogen Bonding Controls the Structural Evolution in Perovskite-Related Hybrid Platinum(IV) Iodides. <i>Inorganic Chemistry</i> , 2018 , 57, 10375-10382	5.1	31
18	Charge transport in a two-dimensional hybrid metal halide thiocyanate compound. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5930-5938	7.1	28
17	Mono- and Mixed-Valence Tetrathiafulvalene Semiconductors (TTF)BiI and (TTF)BiI with 1D and 0D Bismuth-Iodide Networks. <i>Inorganic Chemistry</i> , 2017 , 56, 395-401	5.1	26
16	Ambient-Temperature Hydrogen Storage via Vanadium(II)-Dihydrogen Complexation in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6248-6256	16.4	22
15	Dynamics of Hydroxyl Anions Promotes Lithium Ion Conduction in Antiperovskite Li ₂ OHCl. <i>Chemistry of Materials</i> , 2020 , 32, 8481-8491	9.6	21
14	The capricious nature of iodine catenation in I excess, perovskite-derived hybrid Pt(IV) compounds. <i>Chemical Communications</i> , 2019 , 55, 588-591	5.8	11
13	Polymorphism in M(HPO) (M = V, Al, Ga) compounds with the perovskite-related ReO structure. <i>Chemical Communications</i> , 2019 , 55, 2964-2967	5.8	10
12	Pigments, binders, and ages of rock art at Viuda Quenzana, Santa Cruz, Patagonia (Argentina). <i>Journal of Archaeological Science: Reports</i> , 2018 , 21, 47-63	0.7	9

11	Perovskite-related hybrid noble metal iodides: Formamidinium platinum iodide [(FA) ₂ PtI ₆] and mixed-valence methylammonium gold iodide [(MA) ₂ AuI ₃]. <i>Inorganica Chimica Acta</i> , 2017 , 468, 280-284	2.7	8
10	Thermally Reconfigurable Meta-Optics. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-16	1.8	8
9	Observation of an Intermediate to H Binding in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14884-14894	16.4	8
8	Layered Double Perovskites. <i>Annual Review of Materials Research</i> , 2021 , 51, 351-380	12.8	7
7	Infinite Polyiodide Chains in the PyrroloperyleneIodine Complex: Insights into the StarchIodine and PeryleneIodine Complexes. <i>Angewandte Chemie</i> , 2016 , 128, 8164-8167	3.6	4
6	Stacking Faults Assist Lithium-Ion Conduction in a Halide-Based Superionic Conductor.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	3
5	Reconfigurable semiconductor Mie-resonant meta-optics 2019 ,		2
4	Magnetic properties of (Fe _{1-x} Mn _x) ₂ AlB ₂ and the impact of substitution on the magnetocaloric effect. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
3	Mesomorphic Behavior in Silver(I) -(4-Pyridyl) Benzamide with Aromatic π-Stacking Counterions. <i>Materials</i> , 2018 , 11,	3.5	1
2	Lattice Dynamics in the NASICON NaZr(PO) ₃ Solid Electrolyte from Temperature-Dependent Neutron Diffraction, NMR, and Ab Initio Computational Studies.. <i>Chemistry of Materials</i> , 2022 , 34, 4029-4038	8.6	0
1	Innenrücktitelbild: Infinite Polyiodide Chains in the PyrroloperyleneIodine Complex: Insights into the StarchIodine and PeryleneIodine Complexes (Angew. Chem. 28/2016). <i>Angewandte Chemie</i> , 2016 , 128, 8267-8267	3.6	