

Hayden A Evans

List of Publications by Year in descending order

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28
papers

1,570
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471509

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal and Electronic Structures of Complex Bismuth Iodides $\langle A \rangle_3 \text{Bi}_2 \text{I}_9$ ($\langle A \rangle = \text{K, Rb, Cs}$) Related to Perovskite: Aiding the Rational Design of Photovoltaics. <i>Chemistry of Materials</i> , 2015, 27, 7137-7148.	6.7	413
2	Dynamic Stereochemical Activity of the Sn^{2+} Lone Pair in Perovskite CsSnBr_3 . <i>Journal of the American Chemical Society</i> , 2016, 138, 11820-11832.	13.7	217
3	Temperature-Dependent Polarization in Field-Effect Transport and Photovoltaic Measurements of Methylammonium Lead Iodide. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3565-3571.	4.6	105
4	Dielectric and Thermodynamic Signatures of Low-Temperature Glassy Dynamics in the Hybrid Perovskites $\text{CH}_3\text{NH}_3\text{PbI}_3$ and $\text{HC}(\text{NH}_2)_2\text{PbI}_3$. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 376-381.	4.6	102
5	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.	13.7	81
6	Ultrawide Thermo-optic Tuning of PbTe Meta-Atoms. <i>Nano Letters</i> , 2017, 17, 3940-3945.	9.1	73
7	Perovskite-related ReO_3 -type structures. <i>Nature Reviews Materials</i> , 2020, 5, 196-213.	48.7	62
8	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, 8032-8035.	13.8	61
9	Dynamics of Hydroxyl Anions Promotes Lithium Ion Conduction in Antiperovskite Li_2OHCl . <i>Chemistry of Materials</i> , 2020, 32, 8481-8491.	6.7	53
10	Stacking Faults Assist Lithium-Ion Conduction in a Halide-Based Superionic Conductor. <i>Journal of the American Chemical Society</i> , 2022, 144, 5795-5811.	13.7	50
11	Main-Group Halide Semiconductors Derived from Perovskite: Distinguishing Chemical, Structural, and Electronic Aspects. <i>Inorganic Chemistry</i> , 2017, 56, 11-25.	4.0	45
12	$(\text{TTF})\text{Pb}_2\text{I}_5$: A Radical Cation-Stabilized Hybrid Lead Iodide with Synergistic Optoelectronic Signatures. <i>Chemistry of Materials</i> , 2016, 28, 3607-3611.	6.7	40
13	Hydrogen Bonding Controls the Structural Evolution in Perovskite-Related Hybrid Platinum(IV) Iodides. <i>Inorganic Chemistry</i> , 2018, 57, 10375-10382.	4.0	40
14	Charge transport in a two-dimensional hybrid metal halide thiocyanate compound. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5930-5938.	5.5	37
15	Layered Double Perovskites. <i>Annual Review of Materials Research</i> , 2021, 51, 351-380.	9.3	33
16	Mono- and Mixed-Valence Tetrathiafulvalene Semiconductors $(\text{TTF})\text{Bi}_4$ and $(\text{TTF})_4\text{Bi}_6$ with 1D and 0D Bismuth-Iodide Networks. <i>Inorganic Chemistry</i> , 2017, 56, 395-401.	4.0	32
17	Observation of an Intermediate to H_2 Binding in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 14884-14894.	13.7	32
18	Perovskite-related hybrid noble metal iodides: Formamidinium platinum iodide $[(\text{FA})_2\text{PtI}_6]$ and mixed-valence methylammonium gold iodide $[(\text{MA})_2\text{AuAuI}_6]$. <i>Inorganica Chimica Acta</i> , 2017, 468, 280-284.	2.4	15

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19	Polymorphism in $M(H_{2}PO_{3})_{3}$ ($M = V, Al, Ga$) compounds with the perovskite-related ReO_{3} structure. <i>Chemical Communications</i> , 2019, 55, 2964-2967.	4.1	15
20	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.	0.5	14
21	The capricious nature of iodine catenation in I_{2} excess, perovskite-derived hybrid $Pt(IV)$ compounds. <i>Chemical Communications</i> , 2019, 55, 588-591.	4.1	14
22	Thermally Reconfigurable Meta-Optics. <i>IEEE Photonics Journal</i> , 2019, 11, 1-16.	2.0	13
23	Magnetic properties of $B_{2}Mn_{2}O_{7}$. <i>Physical Review Materials</i> , 2020, 4, .	2.4	8
24	Lattice Dynamics in the NASICON $NaZr_{2}(PO_{4})_{3}$ Solid Electrolyte from Temperature-Dependent Neutron Diffraction, NMR, and Ab Initio Computational Studies. <i>Chemistry of Materials</i> , 2022, 34, 4029-4038.	6.7	6
25	Infinite Polyiodide Chains in the Pyrroloperylene-Iodine Complex: Insights into the Starch-Iodine and Perylene-Iodine Complexes. <i>Angewandte Chemie</i> , 2016, 128, 8164-8167.	2.0	4
26	Reconfigurable semiconductor Mie-resonant meta-optics. , 2019, , .		2
27	Mesomorphic Behavior in Silver(I) N-(4-Pyridyl) Benzamide with Aromatic π - π Stacking Counterions. <i>Materials</i> , 2018, 11, 1666.	2.9	1
28	InnenrÄ¼cktitelbild: Infinite Polyiodide Chains in the Pyrroloperylene-Iodine Complex: Insights into the Starch-Iodine and Perylene-Iodine Complexes (<i>Angew. Chem.</i> 28/2016). <i>Angewandte Chemie</i> , 2016, 128, 8267-8267.	2.0	0