

Federico Brivio

List of Publications by Year in descending order

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18
papers

4,954
citations

567247

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888047

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18
all docs

18
docs citations

18
times ranked

7366
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomistic Origins of High-Performance in Hybrid Halide Perovskite Solar Cells. Nano Letters, 2014, 14, 2584-2590.	9.1	2,068
2	Relativistic quasiparticle self-consistent electronic structure of hybrid halide perovskite photovoltaic absorbers. Physical Review B, 2014, 89, .	3.2	612
3	Structural and electronic properties of hybrid perovskites for high-efficiency thin-film photovoltaics from first-principles. APL Materials, 2013, 1, .	5.1	517
4	Lattice dynamics and vibrational spectra of the orthorhombic, tetragonal, and cubic phases of methylammonium lead iodide. Physical Review B, 2015, 92, .	3.2	452
5	Dynamic disorder, phonon lifetimes, and the assignment of modes to the vibrational spectra of methylammonium lead halide perovskites. Physical Chemistry Chemical Physics, 2016, 18, 27051-27066.	2.8	325
6	Thermodynamic Origin of Photoinstability in the CH ₃ NH ₃ Pb(I ^x) ₃ Br ₃ Hybrid Halide Perovskite Alloy. Journal of Physical Chemistry Letters, 2016, 7, 1083-1087.	4.6	298
7	Halogen Effects on Ordering and Bonding of CH ₃ NH ₃ ⁺ in CH ₃ NH ₃ PbX ₃ (X = Cl, Br, I) Hybrid Perovskites: A Vibrational Spectroscopic Study. Journal of Physical Chemistry C, 2016, 120, 2509-2519.	3.1	188
8	Fundamental Carrier Lifetime Exceeding 1 Ås in Cs ₂ AgBiBr ₆ Double Perovskite. Advanced Materials Interfaces, 2018, 5, 1800464.	3.7	173
9	[Am]Mn(H ₂ POO) ₃ : A New Family of Hybrid Perovskites Based on the Hypophosphite Ligand. Journal of the American Chemical Society, 2017, 139, 16999-17002.	13.7	75
10	Synthesis and Characterization of the Rare-Earth Hybrid Double Perovskites: (CH ₃ NH ₃) ₂ KGdCl ₆ and (CH ₃ NH ₃) ₂ KYCl ₆ . Journal of Physical Chemistry Letters, 2017, 8, 5015-5020.	4.6	68
11	Azetidinium lead iodide for perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 20658-20665.	10.3	53
12	Variable temperature and high-pressure crystal chemistry of perovskite formamidinium lead iodide: a single crystal X-ray diffraction and computational study. Chemical Communications, 2017, 53, 7537-7540.	4.1	43
13	Synthesis, crystal structure, magnetic and electronic properties of the caesium-based transition metal halide Cs ₃ Fe ₂ Br ₉ . Journal of Materials Chemistry C, 2018, 6, 3573-3577.	5.5	25
14	Control of spintronic and electronic properties of bimetallic and vacancy-ordered vanadium carbide MXenes via surface functionalization. Physical Chemistry Chemical Physics, 2019, 21, 25802-25808.	2.8	22
15	Zeolite framework functionalisation by tuneable incorporation of various metals into the IPC-2 zeolite. Inorganic Chemistry Frontiers, 2018, 5, 2746-2755.	6.0	17
16	Magneto-structural correlations of novel kagomÃ©-type metal organic frameworks. Journal of Materials Chemistry C, 2019, 7, 6692-6697.	5.5	10
17	Doping isolated one-dimensional antiferromagnetic semiconductor vanadium tetrasulfide (VS ₄) nanowires with carriers induces half-metallicity. Journal of Materials Chemistry C, 2021, 9, 3122-3128.	5.5	8
18	Influence of organic cations on the structural anisotropy in cubic lead halide perovskites. , 2018, , .		0