

Federico Brivio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/864737/publications.pdf>

Version: 2024-02-01

18
papers

4,954
citations

643344

15
h-index

993246

17
g-index

18
all docs

18
docs citations

18
times ranked

8633
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.7	8
2	Magneto-structural correlations of novel kagom�-type metal organic frameworks. Journal of Materials Chemistry C, 2019, 7, 6692-6697.	2.7	10
3	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.	1.3	22
4	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.	2.7	25
5	Influence of organic cations on the structural anisotropy in cubic lead halide perovskites. , 2018, , .		0
6	Fundamental Carrier Lifetime Exceeding 1 Ås in Cs ₂ AgBiBr ₆ Double Perovskite. Advanced Materials Interfaces, 2018, 5, 1800464.	1.9	173
7	Zeolite framework functionalisation by tuneable incorporation of various metals into the IPC-2 zeolite. Inorganic Chemistry Frontiers, 2018, 5, 2746-2755.	3.0	17
8	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.	2.2	43
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.	6.6	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.	2.1	68
11	Azetidinium lead iodide for perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 20658-20665.	5.2	53
12	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.	1.3	325
13	Thermodynamic Origin of Photoinstability in the CH ₃ NH ₃ Pb(I _{1-x} Br _x) ₃ Hybrid Halide Perovskite Alloy. Journal of Physical Chemistry Letters, 2016, 7, 1083-1087.	2.1	298
14	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.	1.5	188
15	Lattice dynamics and vibrational spectra of the orthorhombic, tetragonal, and cubic phases of methylammonium lead iodide. Physical Review B, 2015, 92, .	1.1	452
16	Atomistic Origins of High-Performance in Hybrid Halide Perovskite Solar Cells. Nano Letters, 2014, 14, 2584-2590.	4.5	2,068
17	Relativistic quasiparticle self-consistent electronic structure of hybrid halide perovskite photovoltaic absorbers. Physical Review B, 2014, 89, .	1.1	612
18	Structural and electronic properties of hybrid perovskites for high-efficiency thin-film photovoltaics from first-principles. APL Materials, 2013, 1, .	2.2	517