

Jonathan Alaria

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/415386/publications.pdf>

Version: 2024-02-01

49
papers

2,047
citations

279798

23
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

3511
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding multiple anion superlattice chemistry: Synthesis, structure and properties of Bi ₄ O ₄ SeBr ₂ and Bi ₆ O ₆ Se ₂ Cl ₂ . Journal of Solid State Chemistry, 2022, 312, 123246.	2.9	3
2	Band Structure Engineering of Bi ₄ O ₄ SeCl ₂ for Thermoelectric Applications. ACS Organic & Inorganic Au, 2022, 2, 405-414.	4.0	7
3	One Site, Two Cations, Three Environments: s ² and s ⁰ Electronic Configurations Generate Pb-Free Relaxor Behavior in a Perovskite Oxide. Journal of the American Chemical Society, 2021, 143, 1386-1398.	13.7	9
4	Chemically Controllable Magnetic Transition Temperature and Magneto-Elastic Coupling in MnZnSb Compounds. Advanced Functional Materials, 2021, 31, 2100108.	14.9	9
5	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. Angewandte Chemie - International Edition, 2021, 60, 16457-16465.	13.8	13
6	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. Angewandte Chemie, 2021, 133, 16593-16601.	2.0	0
7	Mode Crystallography Analysis through the Structural Phase Transition and Magnetic Critical Behavior of the Lacunar Spinel GaMo ₄ Se ₈ . Chemistry of Materials, 2021, 33, 5718-5729.	6.7	8
8	Low thermal conductivity in a modular inorganic material with bonding anisotropy and mismatch. Science, 2021, 373, 1017-1022.	12.6	76
9	Modular Design via Multiple Anion Chemistry of the High Mobility van der Waals Semiconductor Bi ₄ O ₄ SeCl ₂ . Journal of the American Chemical Society, 2020, 142, 847-856.	13.7	29
10	Persistence of Ferroelectricity Close to Unit-Cell Thickness in Structurally Disordered Aurivillius Phases. Chemistry of Materials, 2020, 32, 10511-10523.	6.7	9
11	GeSe: Optical Spectroscopy and Theoretical Study of a van der Waals Solar Absorber. Chemistry of Materials, 2020, 32, 3245-3253.	6.7	48
12	Sn 5s ² lone pairs and the electronic structure of tin sulphides: A photoreflectance, high-energy photoemission, and theoretical investigation. Physical Review Materials, 2020, 4, .	2.4	11
13	Chemical Control of Correlated Metals as Transparent Conductors. Advanced Functional Materials, 2019, 29, 1808609.	14.9	30
14	Weyl-like points from band inversions of spin-polarised surface states in NbGeSb. Nature Communications, 2019, 10, 5485.	12.8	14
15	Bi _{2+2n} O _{2+2n} Cu ²⁺ Se _{2+n} X ⁺ (X = Cl, Br): A Three-Anion Homologous Series. Inorganic Chemistry, 2018, 57, 12489-12500.	4.0	15
16	Computational Prediction and Experimental Realization of p-Type Carriers in the Wide-Band-Gap Oxide SrZn _{1-x} Li _x O ₂ . Inorganic Chemistry, 2018, 57, 11874-11883.	4.0	6
17	Band gap temperature-dependence of close-space sublimation grown Sb ₂ Se ₃ by photo-reflectance. APL Materials, 2018, 6, 084901.	5.1	70
18	A and B site doping of a phonon-glass perovskite oxide thermoelectric. Journal of Materials Chemistry A, 2018, 6, 15640-15652.	10.3	17

#	ARTICLE	IF	CITATIONS
37	Conventional and inverse magnetocaloric effects in La _{0.45} Sr _{0.55} MnO ₃ nanoparticles. Journal of Applied Physics, 2011, 110, .	2.5	62
38	Magnetic Properties of Low-Dimensional $\hat{\Gamma}_4^-$ and $\hat{\Gamma}_3^-$ CoV ₂ O ₆ . Journal of Physical Chemistry C, 2011, 115, 17190-17196.	3.1	48
39	Magneto-resistance of CuCrO ₂ -based delafossite films. Journal of Physics: Conference Series, 2010, 200, 052021.	0.4	27
40	Growth and Magnetic Properties of La _{2/3} Sr _{1/3} MnO ₃ /Ca ₃ Co ₂ O ₆ Bilayers. Journal of Physical Chemistry C, 2010, 114, 1684-1688.	3.1	9
41	Growth and Characterisation of Al _{1-x} Cr _x N Thin Films by RF Plasma Assisted Pulsed Laser Deposition. E-Journal of Surface Science and Nanotechnology, 2009, 7, 497-502.	0.4	5
42	The Origin of the Magnetism of Etched Silicon. Advanced Materials, 2009, 21, 71-74.	21.0	50
43	Charge-transfer ferromagnetism in oxide nanoparticles. Journal Physics D: Applied Physics, 2008, 41, 134012.	2.8	248
44	Structural and magnetic properties of wurtzite CoO thin films. Journal Physics D: Applied Physics, 2008, 41, 135004.	2.8	23
45	Magnetism of ZnO nanoparticles doped with 3d cations prepared by a solvothermal method. Journal of Applied Physics, 2008, 103, 07D123.	2.5	22
46	Magnetic and structural properties of Co-doped ZnO thin films. Journal of Magnetism and Magnetic Materials, 2007, 310, 2087-2088.	2.3	18
47	Absence of ferromagnetism in Al-doped Zn _{0.9} Co _{0.100} diluted magnetic semiconductors. Applied Physics Letters, 2006, 88, 112503.	3.3	107
48	Pure paramagnetic behavior in Mn-doped ZnO semiconductors. Journal of Applied Physics, 2006, 99, 08M118.	2.5	80
49	No ferromagnetism in Mn doped ZnO semiconductors. Chemical Physics Letters, 2005, 415, 337-341.	2.6	92