Enrico Bandiello

List of Publications by Year
in descending order

34 papers	2,014 citations	586496 16 h-index	425179 34 g-index
36 all docs	36 docs citations	36 times ranked	3874 citing authors

#	Article	IF	Citations
1	Pressure-induced phase transition and increase of oxygen-iodine coordination in magnesium iodate. Physical Review B, 2022, 105, .	1.1	9
2	Pressure-induced chemical decomposition of copper orthovanadate (Î±-Cu₃V₂O₈). Journal of Materials Chemistry C, 2021, 9, 13402-13409.	2.7	12
3	Pâ€“Vâ€“T Equation of State of Iridium Up to 80 GPa and 3100 K. Crystals, 2021, 11, 452.	1.0	40
4	Polymorphism of praseodymium orthovanadate under high pressure. Physical Review B, 2021, 103, .	1.1	7
5	Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO₃)₂. Journal of Physical Chemistry C, 2021, 125, 17448-17461.	1.5	14
6	Electronic properties and high-pressure behavior of wolframite-type CoWO₄. Materials Advances, 2021, 2, 5955-5966.	2.6	14
7	High-Pressure Spectroscopy Study of Zn(IO3)2 Using Far-Infrared Synchrotron Radiation. Crystals, 2021, 11, 34.	1.0	10
8	Synthesis and Characterization of Novel Nanoparticles of Lithium Aluminum Iodate LiAl(IO3)4, and DFT Calculations of the Crystal Structure and Physical Properties. Nanomaterials, 2021, 11, 3289.	1.9	3
9	High-Pressure Structural Behavior and Equation of State of Kagome Staircase Compound, Ni3V2O8. Crystals, 2020, 10, 910.	1.0	11
10	Phase Behavior of TmVO₄ under Hydrostatic Compression: An Experimental and Theoretical Study. Inorganic Chemistry, 2020, 59, 4882-4894.	1.9	10
11	Precise Characterization of the Rich Structural Landscape Induced by Pressure in Multifunctional FeVO₄. Inorganic Chemistry, 2020, 59, 6623-6630.	1.9	19
12	PrVO₄ under High Pressure: Effects on Structural, Optical, and Electrical Properties. Inorganic Chemistry, 2020, 59, 18325-18337.	1.9	8
13	Thermal equation of state of ruthenium characterized by resistively heated diamond anvil cell. Scientific Reports, 2019, 9, 14459.	1.6	8
14	In situ characterization of the high pressure â€“ high temperature melting curve of platinum. Scientific Reports, 2019, 9, 13034.	1.6	65
15	Pressure Effects on the Optical Properties of NdVO4. Crystals, 2019, 9, 237.	1.0	12
16	High-pressure phase transformations in NdVO₄ under hydrostatic, conditions: a structural powder x-ray diffraction study. Journal of Physics Condensed Matter, 2019, 31, 235401.	0.7	14
17	Pressure-Induced Hexagonal to Monoclinic Phase Transition of Partially Hydrated CePO₄. Inorganic Chemistry, 2019, 58, 4480-4490.	1.9	11
18	Characterization of Flux-Grown Sm_xNd_{1â€“x}VO₄ Compounds and High-Pressure Behavior for x = 0.5. Journal of Physical Chemistry C, 2019, 123, 30732-30745.	1.5	6

#	Article	IF	Citations
19	Effect of High Pressure on the Crystal Structure and Vibrational Properties of Olivine-Type LiNiPO₄. Inorganic Chemistry, 2018, 57, 10265-10276.	1.9	16
20	Controlling the mode of operation of organic transistors through side-chain engineering. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12017-12022.	3.3	364
21	Efficient vacuum deposited p-i-n and n-i-p perovskite solar cells employing doped charge transport layers. Energy and Environmental Science, 2016, 9, 3456-3463.	15.6	410
22	Molecular Design of Semiconducting Polymers for High-Performance Organic Electrochemical Transistors. Journal of the American Chemical Society, 2016, 138, 10252-10259.	6.6	270
23	Influence of mobile ions on the electroluminescence characteristics of methylammonium lead iodide perovskite diodes. Journal of Materials Chemistry A, 2016, 4, 18614-18620.	5.2	19
24	Lithium salt additives and the influence of their counterion on the performances of light-emitting electrochemical cells. Journal of Materials Chemistry C, 2016, 4, 10781-10785.	2.7	35
25	HgGa₂Se₄ under high pressure: An optical absorption study. Physica Status Solidi (B): Basic Research, 2015, 252, 2043-2051.	0.7	13
26	Aqueous electrolyte-gated ZnO transistors for environmental and biological sensing. Journal of Materials Chemistry C, 2014, 2, 10277-10281.	2.7	22
27	Efficient methylammonium lead iodide perovskite solar cells with active layers from 300 to 900 nm. APL Materials, 2014, 2, .	2.2	118
28	Tuning the band gap of PbCrO4 through high-pressure: Evidence of wide-to-narrow semiconductor transitions. Journal of Alloys and Compounds, 2014, 587, 14-20.	2.8	60
29	Operational Mechanism of Conjugated Polyelectrolytes. Journal of the American Chemical Society, 2014, 136, 8500-8503.	6.6	24
30	Ionâ€Selective Organic Electrochemical Transistors. Advanced Materials, 2014, 26, 4803-4807.	11.1	136
31	Metalâ€Oxideâ€Free Methylammonium Lead Iodide Perovskiteâ€Based Solar Cells: the Influence of Organic Charge Transport Layers. Advanced Energy Materials, 2014, 4, 1400345.	10.2	164
32	Phase Behavior of Ag₂CrO₄ under Compression: Structural, Vibrational, and Optical Properties. Journal of Physical Chemistry C, 2013, 117, 12239-12248.	1.5	23
33	Temperature Effect of Ionic Transition Metal Complex Light-Emitting Electrochemical Cells. Materials Research Society Symposia Proceedings, 2013, 1567, 1.	0.1	0
34	Effects of high-pressure on the structural, vibrational, and electronic properties of monazite-type PbCrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	1.1	63