

Felix Cosmin Mocanu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the Phase-Change Memory Material, Ge ₂ Sb ₂ Te ₅ , with a Machine-Learned Interatomic Potential. Journal of Physical Chemistry B, 2018, 122, 8998-9006.	2.6	102
2	Revealing the intrinsic nature of the mid-gap defects in amorphous Ge ₂ Sb ₂ Te ₅ . Nature Communications, 2019, 10, 3065.	12.8	95
3	Similarity Between Amorphous and Crystalline Phases: The Case of TiO ₂ . Journal of Physical Chemistry Letters, 2018, 9, 2985-2990.	4.6	78
4	Origin of radiation tolerance in amorphous Ge ₂ Sb ₂ Te ₅ phase-change random-access memory material. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5353-5358.	7.1	30
5	Quench-rate and size-dependent behaviour in glassy Ge ₂ Sb ₂ Te ₅ models simulated with a machine-learned Gaussian approximation potential. Journal Physics D: Applied Physics, 2020, 53, 244002.	2.8	26
6	Waterproof Flexible InP@ZnSeS Quantum Dot Light-Emitting Diode. Advanced Optical Materials, 2020, 8, 1901362.	7.3	23
7	Modeling Electrical Percolation to optimize the Electromechanical Properties of CNT/Polymer Composites in Highly Stretchable Fiber Strain Sensors. Scientific Reports, 2019, 9, 20376.	3.3	18
8	Simulation of Phase-Change Memory and Thermoelectric Materials using Machine-Learned Interatomic Potentials: Sb ₂ Te ₃ . Physica Status Solidi (B): Basic Research, 2021, 258, 2000416.	1.5	16
9	Multi-Scale Electrolyte Transport Simulations for Lithium Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 013522.	2.9	14
10	Electric-field-induced annihilation of localized gap defect states in amorphous phase-change memory materials. Acta Materialia, 2022, 223, 117465.	7.9	14
11	On the Chemical Bonding of Amorphous Sb ₂ Te ₃ . Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000485.	2.4	13
12	Robust In-Zn-O Thin-Film Transistors with a Bilayer Heterostructure Design and a Low-Temperature Fabrication Process Using Vacuum and Solution Deposited Layers. ACS Omega, 2020, 5, 21593-21601.	3.5	2
13	Nonequilibrium ab initio molecular-dynamics simulations of lattice thermal conductivity in irradiated glassy Ge ₂ Sb ₂ Te ₅ . Applied Physics Letters, 2020, 116, 031902.	3.3	2
14	Elucidation of the Nature of Structural Relaxation in Glassy <i>d</i> -Sorbitol. Journal of Physical Chemistry B, 2020, 124, 1833-1838.	2.6	1