Felix Cosmin Mocanu

List of Publications by Year
in descending order

		840776	1058476
14 papers	434 citations	11 h-index	14 g-index
16 all docs	16 docs citations	16 times ranked	589 citing authors

#	Article	IF	Citations
1	Electric-field-induced annihilation of localized gap defect states in amorphous phase-change memory materials. Acta Materialia, 2022, 223, 117465.	7.9	14
2	Simulation of Phase-Change-Memory and Thermoelectric Materials using Machine-Learned Interatomic Potentials: Sb_2Te_3. Physica Status Solidi (B): Basic Research, 2021, 258, 2000416.	1.5	16
3	On the Chemical Bonding of Amorphous Sb_2Te_3. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000485.	2.4	13
4	Multi-Scale Electrolyte Transport Simulations for Lithium Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 013522.	2.9	14
5	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
6	Elucidation of the Nature of Structural Relaxation in Glassy d-Sorbitol. Journal of Physical Chemistry B, 2020, 124, 1833-1838.	2.6	1
7	Waterproof Flexible InP@ZnSeS Quantum Dot Light-Emitting Diode. Advanced Optical Materials, 2020, 8, 1901362.	7.3	23
8	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
9	Quench-rate and size-dependent behaviour in glassy $Ge_2Sb_2Te_5$ models simulated with a machine-learned Gaussian approximation potential. Journal Physics D: Applied Physics, 2020, 53, 244002.	2.8	26
10	Revealing the intrinsic nature of the mid-gap defects in amorphous Ge2Sb2Te5. Nature Communications, 2019, 10, 3065.	12.8	95
11	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
12	Modeling the Phase-Change Memory Material, $Ge_2Sb_2Te_5$, with a Machine-Learned Interatomic Potential. Journal of Physical Chemistry B, 2018, 122, 8998-9006.	2.6	102
13	Similarity Between Amorphous and Crystalline Phases: The Case of TiO_2. Journal of Physical Chemistry Letters, 2018, 9, 2985-2990.	4.6	78
14	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