

Daniel A Rehn

List of Publications by Year in descending order

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445
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles investigation of uranium mononitride (UN): Effect of magnetic ordering, spin-orbit interactions and exchange correlation functional. Journal of Nuclear Materials, 2022, 559, 153401.	2.7	14
2	Multiphase tin equation of state using density functional theory. Physical Review B, 2021, 103, .	3.2	14
3	Spectrum of Exfoliable 1D van der Waals Molecular Wires and Their Electronic Properties. ACS Nano, 2021, 15, 9851-9859.	14.6	16
4	Highly Efficient Uniaxial In-plane Stretching of a 2D Material via Ion Insertion. Advanced Materials, 2021, 33, e2101875.	21.0	16
5	Effect of ionic disorder on the principal shock Hugoniot. Physical Review E, 2021, 104, 055208.	2.1	2
6	Electrochemistry in an MeV UED System: The Structural Dynamics of In Situ Lithium-intercalated WTe_2 . Microscopy and Microanalysis, 2020, 26, 1152-1154.	0.4	1
7	Reversible Electrochemical Phase Change in Monolayer to Bulk-like MoTe_2 by Ionic Liquid Gating. ACS Nano, 2020, 14, 2894-2903.	14.6	37
8	Dirac's equation and its implications for density functional theory based calculations of materials containing heavy elements. Physical Review B, 2020, 101, .	3.2	7
9	ODE integration schemes for plane-wave real-time time-dependent density functional theory. Journal of Chemical Physics, 2019, 150, 014101.	3.0	6
10	Memristors with distorted structures. Nature Materials, 2019, 18, 8-9.	27.5	9
11	New Assembly-Free Bulk Layered Inorganic Vertical Heterostructures with Infrared and Optical Bandgaps. Nano Letters, 2019, 19, 142-149.	9.1	3
12	Theoretical potential for low energy consumption phase change memory utilizing electrostatically-induced structural phase transitions in 2D materials. Npj Computational Materials, 2018, 4, .	8.7	40
13	Defect-Mediated Alloying of Monolayer Transition-Metal Dichalcogenides. ACS Nano, 2018, 12, 12795-12804.	14.6	42
14	Refrigeration in 2D: Electrostaticcaloric effect in monolayer materials. Physical Review Materials, 2018, 2, .	2.4	5
15	NJOY21: Next generation nuclear data processing capabilities. EPJ Web of Conferences, 2017, 146, 09040.	0.3	18
16	Affordances of play for student agency and student-centered pedagogy. AIP Conference Proceedings, 2013, , .	0.4	7
17	Analytic framework for students' use of mathematics in upper-division physics. Physical Review Physics Education Research, 2013, 9, .	1.7	47
18	Constructing a Multiple-choice Assessment for Upper-division Quantum Physics from an Open-ended Tool. , 0, , .		0