

Nathan C Frey

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,364
citations

516561

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times ranked

2985
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Mo ₄ VAIC ₄ MAX Phase and Two-Dimensional Mo ₄ VC ₄ MXene with Five Atomic Layers of Transition Metals. ACS Nano, 2020, 14, 204-217.	7.3	429
2	Surface Termination Dependent Work Function and Electronic Properties of Ti ₃ C ₂ T _x MXene. Chemistry of Materials, 2019, 31, 6590-6597.	3.2	359
3	Tunable Magnetism and Transport Properties in Nitride MXenes. ACS Nano, 2017, 11, 7648-7655.	7.3	276
4	Prediction of Enhanced Catalytic Activity for Hydrogen Evolution Reaction in Janus Transition Metal Dichalcogenides. Nano Letters, 2018, 18, 3943-3949.	4.5	267
5	Tailoring Electronic and Optical Properties of MXenes through Forming Solid Solutions. Journal of the American Chemical Society, 2020, 142, 19110-19118.	6.6	198
6	Prediction of Synthesis of 2D Metal Carbides and Nitrides (MXenes) and Their Precursors with Positive and Unlabeled Machine Learning. ACS Nano, 2019, 13, 3031-3041.	7.3	187
7	Surface-Engineered MXenes: Electric Field Control of Magnetism and Enhanced Magnetic Anisotropy. ACS Nano, 2019, 13, 2831-2839.	7.3	126
8	MXene Materials for the Electrochemical Nitrogen Reduction—Functionalized or Not?. ACS Catalysis, 2020, 10, 253-264.	5.5	107
9	Tuning Noncollinear Spin Structure and Anisotropy in Ferromagnetic Nitride MXenes. ACS Nano, 2018, 12, 6319-6325.	7.3	101
10	Machine Learning-Enabled Design of Point Defects in 2D Materials for Quantum and Neuromorphic Information Processing. ACS Nano, 2020, 14, 13406-13417.	7.3	75
11	Engineering Magnetic Phases in Two-Dimensional Non-van der Waals Transition-Metal Oxides. Nano Letters, 2019, 19, 7793-7800.	4.5	45
12	High-throughput search for magnetic and topological order in transition metal oxides. Science Advances, 2020, 6, .	4.7	35
13	Dynamic Structure of the Translocon SecYEG in Membrane. Journal of Biological Chemistry, 2013, 288, 16848-16854.	1.6	33
14	Distinguishing electronic contributions of surface and sub-surface transition metal atoms in Ti-based MXenes. 2D Materials, 2020, 7, 025015.	2.0	31
15	Engineering Zero-Dimensional Quantum Confinement in Transition-Metal Dichalcogenide Heterostructures. ACS Nano, 2019, 13, 8303-8311.	7.3	24
16	Accurate First-Principles Calculation of the Vibronic Spectrum of Stacked Perylene Tetracarboxylic Acid Diimides. Journal of Physical Chemistry A, 2020, 124, 3055-3063.	1.1	16
17	Length-Independent Charge Transport in Chimeric Molecular Wires. Angewandte Chemie - International Edition, 2016, 55, 14267-14271.	7.2	13
18	Heparinoids Activate a Protease, Secreted by Mucosa and Tumors, via Tethering Supplemented by Allosteric. ACS Chemical Biology, 2014, 9, 957-966.	1.6	12

#	ARTICLE	IF	CITATIONS
19	Prediction of optimal structural water concentration for maximized performance in tunnel manganese oxide electrodes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9480-9487.	1.3	12
20	Unexpected length dependence of excited-state charge transfer dynamics for surface-confined perylenediimide ensembles. <i>Materials Horizons</i> , 2017, 4, 437-441.	6.4	5
21	Universal fluctuations in growth dynamics of economic systems. <i>Scientific Reports</i> , 2019, 9, 713.	1.6	2
22	Predicted Magnetic Properties of MXenes. , 2019, , 291-300.		1
23	Single Molecule Studies of the General Secretary System. <i>Biophysical Journal</i> , 2013, 104, 222a.	0.2	0