

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

16
h-index

713332

21
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24
all docs

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docs citations

24
times ranked

2985
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinguishing electronic contributions of surface and sub-surface transition metal atoms in Ti-based MXenes. <i>2D Materials</i> , 2020, 7, 025015.	2.0	31
2	Synthesis of Mo ₄ VAIC ₄ MAX Phase and Two-Dimensional Mo ₄ VC ₄ MXene with Five Atomic Layers of Transition Metals. <i>ACS Nano</i> , 2020, 14, 204-217.	7.3	429
3	MXene Materials for the Electrochemical Nitrogen Reduction—Functionalized or Not?. <i>ACS Catalysis</i> , 2020, 10, 253-264.	5.5	107
4	Tailoring Electronic and Optical Properties of MXenes through Forming Solid Solutions. <i>Journal of the American Chemical Society</i> , 2020, 142, 19110-19118.	6.6	198
5	Machine Learning-Enabled Design of Point Defects in 2D Materials for Quantum and Neuromorphic Information Processing. <i>ACS Nano</i> , 2020, 14, 13406-13417.	7.3	75
6	High-throughput search for magnetic and topological order in transition metal oxides. <i>Science Advances</i> , 2020, 6, .	4.7	35
7	Accurate First-Principles Calculation of the Vibronic Spectrum of Stacked Perylene Tetracarboxylic Acid Diimides. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3055-3063.	1.1	16
8	Engineering Magnetic Phases in Two-Dimensional Non-van der Waals Transition-Metal Oxides. <i>Nano Letters</i> , 2019, 19, 7793-7800.	4.5	45
9	Predicted Magnetic Properties of MXenes. , 2019, , 291-300.		1
10	Universal fluctuations in growth dynamics of economic systems. <i>Scientific Reports</i> , 2019, 9, 713.	1.6	2
11	Engineering Zero-Dimensional Quantum Confinement in Transition-Metal Dichalcogenide Heterostructures. <i>ACS Nano</i> , 2019, 13, 8303-8311.	7.3	24
12	Prediction of Synthesis of 2D Metal Carbides and Nitrides (MXenes) and Their Precursors with Positive and Unlabeled Machine Learning. <i>ACS Nano</i> , 2019, 13, 3031-3041.	7.3	187
13	Surface Termination Dependent Work Function and Electronic Properties of Ti ₃ C ₂ T _x MXene. <i>Chemistry of Materials</i> , 2019, 31, 6590-6597.	3.2	359
14	Surface-Engineered MXenes: Electric Field Control of Magnetism and Enhanced Magnetic Anisotropy. <i>ACS Nano</i> , 2019, 13, 2831-2839.	7.3	126
15	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
16	Prediction of Enhanced Catalytic Activity for Hydrogen Evolution Reaction in Janus Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2018, 18, 3943-3949.	4.5	267
17	Tuning Noncollinear Spin Structure and Anisotropy in Ferromagnetic Nitride MXenes. <i>ACS Nano</i> , 2018, 12, 6319-6325.	7.3	101
18	Tunable Magnetism and Transport Properties in Nitride MXenes. <i>ACS Nano</i> , 2017, 11, 7648-7655.	7.3	276

#	ARTICLE	IF	CITATIONS
19	Unexpected length dependence of excited-state charge transfer dynamics for surface-confined peryleneimide ensembles. <i>Materials Horizons</i> , 2017, 4, 437-441.	6.4	5
20	Length-Independent Charge Transport in Chimeric Molecular Wires. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14267-14271.	7.2	13
21	Heparinoids Activate a Protease, Secreted by Mucosa and Tumors, via Tethering Supplemented by Allostery. <i>ACS Chemical Biology</i> , 2014, 9, 957-966.	1.6	12
22	Single Molecule Studies of the General Secretory System. <i>Biophysical Journal</i> , 2013, 104, 222a.	0.2	0
23	Dynamic Structure of the Translocon SecYEG in Membrane. <i>Journal of Biological Chemistry</i> , 2013, 288, 16848-16854.	1.6	33