

Clara M Nyby

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Carrier-specific dynamics in 2H-MoTe ₂ observed by femtosecond soft x-ray absorption spectroscopy using an x-ray free-electron laser. <i>Structural Dynamics</i> , 2021, 8, 014501.	2.3	14
2	Electrochemical metrics for corrosion resistant alloys. <i>Scientific Data</i> , 2021, 8, 58.	5.3	46
3	Thermal Boundary Conductance: Visualizing Energy Transfer at Buried Interfaces in Layered Materials Using Picosecond X-rays (Adv. Funct. Mater. 34/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070232.	14.9	1
4	Berry curvature memory through electrically driven stacking transitions. <i>Nature Physics</i> , 2020, 16, 1028-1034.	16.7	100
5	Visualizing Energy Transfer at Buried Interfaces in Layered Materials Using Picosecond X-rays. <i>Advanced Functional Materials</i> , 2020, 30, 2002282.	14.9	11
6	Anisotropic structural dynamics of monolayer crystals revealed by femtosecond surface X-ray scattering. <i>Nature Photonics</i> , 2019, 13, 425-430.	31.4	28
7	An ultrafast symmetry switch in a Weyl semimetal. <i>Nature</i> , 2019, 565, 61-66.	27.8	307
8	Ultrafast Electric-Field-Driven Control of the Structure of WTe ₂ via Terahertz Frequency Light Pulses. <i>Microscopy and Microanalysis</i> , 2018, 24, 1848-1849.	0.4	0
9	Engineering the Structural and Electronic Phases of MoTe ₂ through W Substitution. <i>Nano Letters</i> , 2017, 17, 1616-1622.	9.1	128
10	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2017, 17, 7761-7766.	9.1	46
11	Ultrafast atomic-scale structural response in monolayer and multilayer transition metal dichalcogenides. , 2016, , .		0
12	Room-temperature ballistic energy transport in molecules with repeating units. <i>Journal of Chemical Physics</i> , 2015, 142, 212412.	3.0	25
13	Dynamic Structural Response and Deformations of Monolayer MoS ₂ Visualized by Femtosecond Electron Diffraction. <i>Nano Letters</i> , 2015, 15, 6889-6895.	9.1	93
14	Mid-IR beam direction stabilization scheme for vibrational spectroscopy, including dual-frequency 2DIR. <i>Optics Express</i> , 2014, 22, 6801.	3.4	24
15	Fully automated dual-frequency three-pulse-echo 2DIR spectrometer accessing spectral range from 800 to 4000 wavenumbers. <i>Review of Scientific Instruments</i> , 2014, 85, 083109.	1.3	37