

Clara M Nyby

List of Publications by Year in descending order

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15
papers

872
citations

840776

11
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

1817
citing authors

#	ARTICLE	IF	CITATIONS
1	An ultrafast symmetry switch in a Weyl semimetal. <i>Nature</i> , 2019, 565, 61-66.	27.8	307
2	Engineering the Structural and Electronic Phases of MoTe_2 through W Substitution. <i>Nano Letters</i> , 2017, 17, 1616-1622.	9.1	128
3	Berry curvature memory through electrically driven stacking transitions. <i>Nature Physics</i> , 2020, 16, 1028-1034.	16.7	100
4	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
5	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2017, 17, 7761-7766.	9.1	46
6	Electrochemical metrics for corrosion resistant alloys. <i>Scientific Data</i> , 2021, 8, 58.	5.3	46
7	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
8	Anisotropic structural dynamics of monolayer crystals revealed by femtosecond surface X-ray scattering. <i>Nature Photonics</i> , 2019, 13, 425-430.	31.4	28
9	Room-temperature ballistic energy transport in molecules with repeating units. <i>Journal of Chemical Physics</i> , 2015, 142, 212412.	3.0	25
10	Mid-IR beam direction stabilization scheme for vibrational spectroscopy, including dual-frequency 2DIR. <i>Optics Express</i> , 2014, 22, 6801.	3.4	24
11	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
12	Visualizing Energy Transfer at Buried Interfaces in Layered Materials Using Picosecond X-rays. <i>Advanced Functional Materials</i> , 2020, 30, 2002282.	14.9	11
13	Thermal Boundary Conductance: Visualizing Energy Transfer at Buried Interfaces in Layered Materials Using Picosecond X-rays (<i>Adv. Funct. Mater.</i> 34/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070232.	14.9	1
14	Ultrafast atomic-scale structural response in monolayer and multilayer transition metal dichalcogenides. , 2016, , .		0
15	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