

Skylar Deckoff-Jones

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,026
citations

840776

11
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

1852
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically reconfigurable non-volatile metasurface using low-loss optical phase-change material. Nature Nanotechnology, 2021, 16, 661-666.	31.5	298
2	Chalcogenide glass-on-graphene photonics. Nature Photonics, 2017, 11, 798-805.	31.4	190
3	Imaging the motion of electrons across semiconductor heterojunctions. Nature Nanotechnology, 2017, 12, 36-40.	31.5	124
4	Multi-Level Electro-Thermal Switching of Optical Phase-Change Materials Using Graphene. Advanced Photonics Research, 2021, 2, 2000034.	3.6	75
5	Ultrafast Charge Transfer and Enhanced Absorption in MoS ₂ Organic van der Waals Heterojunctions Using Plasmonic Metasurfaces. ACS Nano, 2016, 10, 9899-9908.	14.6	71
6	Protecting the properties of monolayer MoS ₂ on silicon based substrates with an atomically thin buffer. Scientific Reports, 2016, 6, 20890.	3.3	64
7	Tellurene: A Multifunctional Material for Midinfrared Optoelectronics. ACS Photonics, 2019, 6, 1632-1638.	6.6	60
8	Observing the interplay between surface and bulk optical nonlinearities in thin van der Waals crystals. Scientific Reports, 2016, 6, 22620.	3.3	42
9	Chalcogenide glass waveguide-integrated black phosphorus mid-infrared photodetectors. Journal of Optics (United Kingdom), 2018, 20, 044004.	2.2	40
10	Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. Journal of Applied Physics, 2017, 122, .	2.5	33
11	Waveguide-integrated mid-infrared photodetection using graphene on a scalable chalcogenide glass platform. Nature Communications, 2022, 13, .	12.8	12
12	Obtaining Cross-Sections of Paint Layers in Cultural Artifacts Using Femtosecond Pulsed Lasers. Materials, 2017, 10, 107.	2.9	11
13	Enhancing SiN waveguide optical nonlinearity via hybrid GaS integration. Journal of Optics (United Kingdom), 2017, 19, 044004.	2.2	14
14	Applicability of Femtosecond Lasers in the Cross-section Sampling of Works of Art. MRS Advances, 2017, 2, 1801-1804.	0.9	0