Joshua A Burrow

List of Publications by Year
in descending order

15	192	1307594 7	1474206 9
papers	citations	h-index	g-index

15	15	15	237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Independent measurement of phase and amplitude modulation in phase change material-based devices. Optical Materials Express, 2022, 12, 2899.	3.0	2
2	Wavelength and power dependence on multilevel behavior of phase change materials. AIP Advances, 2021, 11, 085327.	1.3	3
3	Polarization-selective modulation of supercavity resonances originating from bound states in the continuum. Communications Physics, 2020, 3, .	5.3	35
4	Tungsten-doped Ge2Sb2Te5 phase change material for high-speed optical switching devices. Applied Physics Letters, 2020, 116, .	3.3	16
5	Phase Change Dynamics and Two-Dimensional 4-Bit Memory in Ge₂Sb₂Te₅ via Telecom-Band Encoding. ACS Photonics, 2020, 7, 480-487.	6.6	25
6	Artificial neural network discovery of a switchable metasurface reflector. Optics Express, 2020, 28, 24629.	3.4	24
7	Polarization Dependence of Friedric-Wintgen Bound States in the Continuum from THz Metasurfaces. , 2020, , .		0
8	Pixel level demonstration of phase change material based spatial light modulation. , 2020, , .		0
9	Waveform-Agile Frequency Doubled Laser System for Optical Switching and Characterization of Phase Change Materials at Near-IR Wavelengths. , 2020, , .		0
10	Eigenmode hybridization enables lattice-induced transparency in symmetric terahertz metasurfaces for slow light applications. Optics Letters, 2019, 44, 2705.	3.3	18
11	Optical and electrical properties of phase change materials for high-speed optoelectronics. , 2019, , .		0
12	Thermally Tunable Far-Infrared Metasurfaces Enabled by Ge<inf>2</inf>Sb<inf>2</inf>Te<inf>5</inf> Phase-Change Material. , 2018, , .		0
13	Improving the performance of Ge2Sb2Te5 materials via nickel doping: Towards RF-compatible phase-change devices. Applied Physics Letters, 2018, 113, 171903.	3.3	34
14	Modulation of Electromagnetically Induced Transparency in Toriodal Resonance Terahertz Metasurfaces. , 2018, , .		0
15	Polarization-dependent electromagnetic responses of ultrathin and highly flexible asymmetric terahertz metasurfaces. Optics Express, 2017, 25, 32540.	3.4	35