

Joshua A Burrow

List of Publications by Year in descending order

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15
papers

192
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1307594

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1474206

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docs citations

15
times ranked

237
citing authors

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