Xianghui Wang

List of Publications by Year
in descending order

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15 papers	140 citations	1307594 7 h-index	1281871 11 g-index
15 all docs	15 docs citations	15 times ranked	161 citing authors

#	Article	IF	Citations
1	Atomic switches of metallic point contacts by plasmonic heating. Light: Science and Applications, 2019, 8, 34.	16.6	26
2	Terahertz wave modulation enhanced by laser processed PVA film on Si substrate. Scientific Reports, 2018, 8, 8304.	3.3	21
3	Efficient Wide-Band Large-Angle Refraction and Splitting of a Terahertz Beam by Low-Index 3D-Printed Bilayer Metagratings. Physical Review Applied, 2020, 14, .	3.8	19
4	Linear-polarized terahertz isolator by breaking the gyro-mirror symmetry in cascaded magneto-optical metagrating. Nanophotonics, 2021, 10, 4141-4148.	6.0	11
5	Terahertz switch and polarization controller based on photonic crystal fiber. Science China Information Sciences, 2012, 55, 106-113.	4.3	10
6	Tunable Terahertz Amplifier Based on Slow Light Edge Mode in Graphene Plasmonic Crystal. IEEE Journal of Quantum Electronics, 2017, 53, 1-6.	1.9	9
7	Arbitrary large-gradient wavefront shaping: from local phase modulation to nonlocal diffraction engineering. Photonics Research, 2022, 10, 896.	7.0	9
8	Graphene-based transmissive terahertz metalens with dynamic and fixed focusing. Journal Physics D: Applied Physics, 2020, 53, 025105.	2.8	8
9	Extremely large-angle beam deflection based on low-index sparse dielectric metagratings. Journal Physics D: Applied Physics, 2020, 53, 245101.	2.8	7
10	Terahertz Sensing for R/S Chiral Ibuprofen via All-Dielectric Metasurface with Higher-Order Resonance. Applied Sciences (Switzerland), 2021, 11, 8892.	2.5	7
11	An Efficient Bi-Functional Metagrating via Asymmetric Diffraction of Terahertz Beams. IEEE Photonics Technology Letters, 2021, 33, 441-444.	2.5	5
12	Graphene metalenses with diverse electrical tunabilities at different terahertz frequencies. Optical Engineering, 2020, 59, .	1.0	4
13	Terahertz tight-focused Bessel beam generation and point-to-point focusing based on nonlocal diffraction engineering. Optics Letters, 2022, 47, 2879.	3.3	4
14	Quantitative analysis for nonlinear fluorescent spectra based on edges matching. Science China Technological Sciences, 2010, 53, 1190-1197.	4.0	0
15	Terahertz Porous Fibers with Random Core Distributions. , 2010, , .		0