Zhizhen

List of Publications by Year
in descending order

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Version: 2024-02-01

17	774	623188	996533
papers	citations	14	15
		h-index	g-index

17	17	17	746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compact Graphene Plasmonic Slot Photodetector on Silicon-on-Insulator with High Responsivity. ACS Photonics, 2020, 7, 932-940.	3.2	63
2	A Lateral MOS-Capacitor-Enabled ITO Machâ€“Zehnder Modulator for Beam Steering. Journal of Lightwave Technology, 2020, 38, 282-290.	2.7	22
3	Coupling-enhanced dual ITO layer electro-absorption modulator in silicon photonics. Nanophotonics, 2019, 8, 1559-1566.	2.9	43
4	A semi-empirical integrated microring cavity approach for 2D material optical index identification at 1.55 Î¼m. Nanophotonics, 2019, 8, 435-441.	2.9	27
5	Loss and coupling tuning via heterogeneous integration of MoS2 layers in silicon photonics [Invited]. Optical Materials Express, 2019, 9, 751.	1.6	32
6	2D materials in electro-optic modulation: energy efficiency, electrostatics, mode overlap, material transfer and integration. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	9
7	Low-loss tunable 1D ITO-slot photonic crystal nanobeam cavity. Journal of Optics (United Kingdom), 2018, 20, 054003.	1.0	28
8	Scaling vectors of attoJoule per bit modulators. Journal of Optics (United Kingdom), 2018, 20, 014012.	1.0	44
9	0.52 V mm ITO-based Mach-Zehnder modulator in silicon photonics. APL Photonics, 2018, 3, 126104.	3.0	87
10	Attojoule-efficient graphene optical modulators. Applied Optics, 2018, 57, D130.	0.9	53
11	Two-Dimensional Material-Based Mode Confinement Engineering in Electro-Optic Modulators. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 81-88.	1.9	59
12	Testbeds for Transition Metal Dichalcogenide Photonics: Efficacy of Light Emission Enhancement in Monomer vs Dimer Nanoscale Antennae. ACS Photonics, 2017, 4, 1713-1721.	3.2	31
13	Temperature dependence of a sub-wavelength compact graphene plasmon-slot modulator. , 2017, , .		0
14	Active material, optical mode and cavity impact on nanoscale electro-optic modulation performance. Nanophotonics, 2017, 7, 455-472.	2.9	55
15	A deterministic guide for material and mode dependence of on-chip electro-optic modulator performance. Solid-State Electronics, 2017, 136, 92-101.	0.8	41
16	Optical Antenna Enhanced Spontaneous Emission from CVD-Grown Monolayer WS2. , 2017, , .		0
17	Indium-Tin-Oxide for High-performance Electro-optic Modulation. Nanophotonics, 2015, 4, 198-213.	2.9	180