Gaurang Ravindra Bhatt

List of Publications by Year
in descending order

18 papers	663 citations	1040056 9 h-index	1372567 10 g-index
18 all docs	18 docs citations	18 times ranked	884 citing authors

#	Article	IF	Citations
1	Low-loss composite photonic platform based on 2D semiconductor monolayers. Nature Photonics, 2020, 14, 256-262.	31.4	140
2	High-performance near-field thermophotovoltaics for waste heat recovery. Nano Energy, 2017, 41, 344-350.	16.0	115
3	Reconfigurable nanophotonic silicon probes for sub-millisecond deep-brain optical stimulation. Nature Biomedical Engineering, 2020, 4, 223-231.	22.5	101
4	Chip-scale blue light phased array. Optics Letters, 2020, 45, 1934.	3.3	93
5	Integrated near-field thermo-photovoltaics for heat recycling. Nature Communications, 2020, 11, 2545.	12.8	85
6	Hot Carrier-Based Near-Field Thermophotovoltaic Energy Conversion. ACS Nano, 2017, 11, 3001-3009.	14.6	64
7	High-performance integrated graphene electro-optic modulator at cryogenic temperature. Nanophotonics, 2020, 10, 99-104.	6.0	26
8	Dispersion-Free SOI Interleaver for DWDM Applications. Journal of Lightwave Technology, 2012, 30, 140-146.	4.6	16
9	Improvement of polarization extinction in silicon waveguide devices. Optics Communications, 2012, 285, 2067-2070.	2.1	15
10	Giant electro-refractive modulation of monolayer WS2 embedded in photonic structures. , 2018, , .		3
11	Composite photonic platform based on 2D semiconductor monolayers. , 2019, , .		2
12	Demonstration of ITU channel interleaver in SOI with large cross section single mode waveguides. Proceedings of SPIE, 2011, , .	0.8	1
13	An Active Visible Nanophotonics Platform for Sub-Millisecond Deep Brain Neural Stimulation. , 2018, , .		1
14	Chip-scale Blue Phased Array. , 2019, , .		1
15	Broadband enhancement of thermal emission. , 2017, , .		0
16	Near-field thermo-photovoltaic platform. , 2018, , .		0
17	Broadband enhancement of thermal radiation. Optics Express, 2019, 27, A818.	3.4	0
18	Integrated Graphene Electro-Optic Modulator on Si3N4 with Increasing Bandwidth at Cryogenic Temperatures. , 2020, , .		0