

Ipshita Datta

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

583
citations

1478505

6
h-index

1872680

6
g-index

15
all docs

15
docs citations

15
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	High carrier mobility in graphene doped using a monolayer of tungsten oxyselenide. Nature Electronics, 2021, 4, 731-739.	26.0	41
2	Low-loss composite photonic platform based on 2D semiconductor monolayers. Nature Photonics, 2020, 14, 256-262.	31.4	140
3	Integrated near-field thermo-photovoltaics for heat recycling. Nature Communications, 2020, 11, 2545.	12.8	85
4	Chip-scale blue light phased array. Optics Letters, 2020, 45, 1934.	3.3	93
5	How lasing happens in CsPbBr ₃ perovskite nanowires. Nature Communications, 2019, 10, 265.	12.8	168
6	Integrated photonics for NASA applications. , 2019, , .		11
7	Efficient Pure Phase Optical Modulator Based on Strongly Over-Coupled Resonators. , 2019, , .		1
8	Chip-scale Blue Phased Array. , 2019, , .		1
9	Giant electro-refractive modulation of monolayer WS ₂ embedded in photonic structures. , 2018, , .		3
10	Resonance-Enabled Free Light Recycling in Waveguides. , 2017, , .		7
11	Integrated Graphene Electro-Optic Phase Modulator. , 2017, , .		7
12	Design Methodology for Optical Interconnect Topologies in NoCs With BER and Transmit Power Constraints. Journal of Lightwave Technology, 2014, 32, 163-175.	4.6	13
13	Performance evaluation of reliability aware photonic Network-on-Chip architectures. , 2012, , .		8
14	BER-based power budget evaluation for optical interconnect topologies in NoCs. , 2012, , .		4