

Aniruddha Bhattacharya

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

125
citations

1307594

7
h-index

1474206

9
g-index

12
all docs

12
docs citations

12
times ranked

239
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-Temperature Spin Polariton Diode Laser. Physical Review Letters, 2017, 119, 067701.	7.8	34
2	Electrical spin injection and detection of spin precession in room temperature bulk GaN lateral spin valves. Applied Physics Letters, 2016, 108, .	3.3	27
3	Room Temperature GaN-Based Edge-Emitting Spin-Polarized Light Emitting Diode. IEEE Photonics Technology Letters, 2017, 29, 338-341.	2.5	18
4	Output polarization characteristics of a GaN microcavity diode polariton laser. Physical Review B, 2016, 94, .	3.2	13
5	Optical constants of $\text{In}_x\text{Ga}_{1-x}\text{N}$ ($0 \leq x \leq 0.73$) in the visible and near-infrared wavelength regimes. Optics Letters, 2015, 40, 3304.	3.3	9
6	The role of defects in lowering the effective polariton temperature in electric and optically pumped polariton lasers. Applied Physics Letters, 2016, 108, 041102.	3.3	9
7	Exact k -body representation of the Jaynes-Cummings interaction in the dressed basis: Insight into many-body phenomena with light. Physical Review A, 2021, 104, .	2.5	7
8	Optical and interface characteristics of $\text{Al}_{0.56}\text{Ga}_{0.44}\text{N}/\text{Al}_{0.62}\text{Ga}_{0.38}\text{N}$ multiquantum wells with $\lambda \approx 4280$ nm emission grown by plasma-assisted molecular beam epitaxy. Journal of Crystal Growth, 2019, 508, 66-71.	1.5	6
9	A dominant electron trap in molecular beam epitaxial InAlN lattice-matched to GaN. Journal Physics D: Applied Physics, 2018, 51, 14LT01.	2.8	2
10	0.5–1.3 μm III-nitride lasers and light emitting diodes epitaxially grown on (001) silicon. , 2015, , .		0
11	Linearly and circularly polarized ultraviolet GaN microcavity polariton lasers. , 2016, , .		0
12	Spin-injection-induced gain anisotropy in a polariton diode laser. Physical Review B, 2018, 97, .	3.2	0