Shyam Bharadwaj

List of Publications by Year
in descending order

14	286	1162367 8	1281420 11
papers	citations	h-index	g-index

14	14	14	428
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MBE-grown 232â€“270â€‰nm deep-UV LEDs using monolayer thin binary GaN/AlN quantum heterostructures. Applied Physics Letters, 2017, 110, .	1.5	105
2	Inactivation of Listeria and E. coli by Deep-UV LED: effect of substrate conditions on inactivation kinetics. Scientific Reports, 2020, 10, 3411.	1.6	44
3	GaN/AlN quantum-disk nanorod 280 nm deep ultraviolet light emitting diodes by molecular beam epitaxy. Optics Letters, 2020, 45, 121.	1.7	30
4	Polarization control in nitride quantum well light emitters enabled by bottom tunnel-junctions. Journal of Applied Physics, 2019, 125, 203104.	1.1	24
5	Enhanced injection efficiency and light output in bottom tunnel-junction light-emitting diodes. Optics Express, 2020, 28, 4489.	1.7	19
6	Bandgap narrowing and Mott transition in Si-doped Al0.7Ga0.3N. Applied Physics Letters, 2019, 114, .	1.5	13
7	Nitride LEDs and Lasers with Buried Tunnel Junctions. ECS Journal of Solid State Science and Technology, 2020, 9, 015018.	0.9	12
8	Light-emitting diodes with AlN polarization-induced buried tunnel junctions: A second look. Applied Physics Letters, 2020, 117, .	1.5	11
9	Blue (In,Ga)N light-emitting diodes with buried n ⁺â€“p ⁺ tunnel junctions by plasma-assisted molecular beam epitaxy. Japanese Journal of Applied Physics, 2019, 58, 060914.	0.8	6
10	Enhanced efficiency in bottom tunnel junction InGaN blue LEDs. , 2021, , .		6
11	Dislocation and indium droplet related emission inhomogeneities in InGaN LEDs. Journal Physics D: Applied Physics, 2021, 54, 495106.	1.3	6
12	Bottom tunnel junction blue light-emitting field-effect transistors. Applied Physics Letters, 2020, 117, 031107.	1.5	5
13	Efficient InGaN p-Contacts for deep-UV Light Emitting Diodes. , 2019, , .		3
14	Monolithically p-down nitride laser diodes and LEDs obtained by MBE using buried tunnel junction design. , 2020, , .		2