Shyam Bharadwaj

List of Publications by Year in Descending Order

14 papers	179 citations	6 h-index	13 g-index
14 ext. papers	230 ext. citations	3 avg, IF	3.01 L-index

#	Paper	IF	Citations
14	Enhanced efficiency in bottom tunnel junction InGaN blue LEDs **2021**,		3
13	Dislocation and indium droplet related emission inhomogeneities in InGaN LEDs. *Journal Physics D: Applied Physics*, **2021**, 54, 495106	3	1
12	Inactivation of Listeria and E. coli by Deep-UV LED: effect of substrate conditions on inactivation kinetics. *Scientific Reports*, **2020**, 10, 3411	4.9	18
11	Monolithically p-down nitride laser diodes and LEDs obtained by MBE using buried tunnel junction design **2020**,		2
10	Enhanced injection efficiency and light output in bottom tunnel-junction light-emitting diodes. *Optics Express*, **2020**, 28, 4489-4500	3.3	12
9	GaN/AlN quantum-disk nanorod 280 nm deep ultraviolet light emitting diodes by molecular beam epitaxy. *Optics Letters*, **2020**, 45, 121	3	21
8	Nitride LEDs and Lasers with Buried Tunnel Junctions. *ECS Journal of Solid State Science and Technology*, **2020**, 9, 015018	2	5
7	Bottom tunnel junction blue light-emitting field-effect transistors. *Applied Physics Letters*, **2020**, 117, 031107	3.4	2
6	Light-emitting diodes with AlN polarization-induced buried tunnel junctions: A second look. *Applied Physics Letters*, **2020**, 117, 061104	3.4	5
5	Polarization control in nitride quantum well light emitters enabled by bottom tunnel-junctions. *Journal of Applied Physics*, **2019**, 125, 203104	2.5	14
4	Blue (In,Ga)N light-emitting diodes with buried n +p + tunnel junctions by plasma-assisted molecular beam epitaxy. *Japanese Journal of Applied Physics*, **2019**, 58, 060914	1.4	3
3	Bandgap narrowing and Mott transition in Si-doped Al0.7Ga0.3N. *Applied Physics Letters*, **2019**, 114, 113501	3.4	6
2	Efficient InGaN p-Contacts for deep-UV Light Emitting Diodes **2019**,		2
1	MBE-grown 232270 nm deep-UV LEDs using monolayer thin binary GaN/AlN quantum heterostructures. *Applied Physics Letters*, **2017**, 110, 041108	3.4	85