Sandeep Sohal

List of Publications by Year
in descending order

21	386	1040056 9	794594 19
papers	citations	h-index	g-index

22	22	22	845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of post-deposition CdCl2 annealing on electronic properties of CdTe solar cells. Solar Energy, 2020, 211, 938-948.	6.1	9
2	Buffer/absorber interface recombination reduction and improvement of back-contact barrier height in CdTe solar cells. Thin Solid Films, 2019, 685, 385-392.	1.8	15
3	Investigation of cadmium telluride grown by molecular-beam epitaxy using micro-Raman spectroscopy below and above the laser damage threshold. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 052905.	1.2	6
4	Electrical and optical characterization of CdTe solar cells with CdS and CdSe buffersâ€"A comparative study. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 052904.	1.2	17
5	Tailoring nucleation and grain growth by changing the precursor phase ratio for efficient organic lead halide perovskite optoelectronic devices. Journal of Materials Chemistry C, 2017, 5, 10114-10121.	5.5	18
6	Carrier Lifetimes of Iodine-Doped CdMgTe/CdSeTe Double Heterostructures Grown by Molecular Beam Epitaxy. Journal of Electronic Materials, 2017, 46, 5361-5366.	2.2	1
7	Iodine Doping of CdTe and CdMgTe for Photovoltaic Applications. Journal of Electronic Materials, 2017, 46, 5424-5429.	2.2	4
8	Impact of extended defects on recombination in CdTe heterostructures grown by molecular beam epitaxy. Applied Physics Letters, 2016, 109, .	3.3	16
9	Effect of free-carrier concentration and optical injection on carrier lifetimes in undoped and iodine doped CdMgTe/CdSeTe double heterostructures grown by molecular beam epitaxy. Journal Physics D: Applied Physics, 2016, 49, 505104.	2.8	1
10	Nanoimprinted Perovskite Nanograting Photodetector with Improved Efficiency. ACS Nano, 2016, 10, 10921-10928.	14.6	168
11	Factors influencing photoluminescence and photocarrier lifetime in CdSeTe/CdMgTe double heterostructures. Journal of Applied Physics, 2016, 120, 165305.	2.5	11
12	Effect of Tb3+ concentration on the optical and vibrational properties of YBO3 tri-doped with Eu3+, Ce3+, and Tb3+. Journal of Applied Physics, 2014, 115, .	2.5	23
13	Correlation of photoluminescence and structural order in YBO3:Eu3+ micro and nano structures. Materials Letters, 2013, 106, 381-384.	2.6	10
14	Influence of phonons on the temperature dependence of the band gap of AlN and AlxGa1â^'xN alloys with high AlN mole fraction. Journal of Applied Physics, 2013, 113, .	2.5	11
15	Facile Synthesis and Effect of Eu, Tb Co-doping On the Tunable Luminescent Properties of YBO3. Materials Research Society Symposia Proceedings, 2013, 1497, 1.	0.1	0
16	Synthesis and photoluminescence properties of hierarchical architectures of YBO3:Eu3+. Journal of Materials Chemistry, 2012, 22, 6485.	6.7	56
17	Effects of Growth Temperature on Indium Incorporation in InAlN Alloys Grown by GSMBE on Si(111). Journal of Electronic Materials, 2012, 41, 824-829.	2.2	2
18	Temperature and excitation intensity dependence of photoluminescence in AlGaN quantum wells with mixed two-dimensional and three-dimensional morphology. Journal of Applied Physics, 2011, 110, .	2.5	5

#	Article	IF	Citations
19	Effects of MBE growth on the optical properties of AlGaN quantum wells. Materials Research Society Symposia Proceedings, 2011, 1289, 512.	0.1	0
20	Role of phonons in the optical properties of magnetron sputtered ZnO studied by resonance Raman and photoluminescence. Journal of Applied Physics, 2010, 108, 053507.	2.5	9
21	Short period p-type AlN/AlGaN superlattices for deep UV light emitters. Materials Research Society Symposia Proceedings, 2009, 1202, 251.	0.1	4