

Angelo Mascarenhas

List of Publications by Year in descending order

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18
papers

1,054
citations

840776

11
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940533

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docs citations

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times ranked

1605
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Growth of Highly Mismatched Type II ZnO/ZnSe Core/Shell Nanowire Arrays on Transparent Conducting Oxide Substrates for Solar Cell Applications. <i>Advanced Materials</i> , 2008, 20, 3248-3253.	21.0	330
2	Electrochromic mechanism in α -WO ₃ thin films. <i>Applied Physics Letters</i> , 1999, 74, 242-244.	3.3	201
3	Electrochromic coloration efficiency of α -WO ₃ thin films as a function of oxygen deficiency. <i>Applied Physics Letters</i> , 1999, 75, 1541-1543.	3.3	192
4	Alternating current impedance and Raman spectroscopic study on electrochromic α -WO ₃ films. <i>Applied Physics Letters</i> , 2000, 76, 3908-3910.	3.3	112
5	Microstructure study of amorphous vanadium oxide thin films using raman spectroscopy. <i>Journal of Applied Physics</i> , 2002, 92, 1893-1897.	2.5	88
6	Amber-green light-emitting diodes using order-disorder Al _x In _{1-x} P heterostructures. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	30
7	Electronic Raman scattering as an ultra-sensitive probe of strain effects in semiconductors. <i>Nature Communications</i> , 2015, 6, 7136.	12.8	20
8	Light-induced long-range hydrogen motion in hydrogenated amorphous silicon at room temperature. <i>Applied Physics Letters</i> , 2000, 77, 2686-2688.	3.3	17
9	Comparison of the dilute bismide and nitride alloys GaAsBi and GaAsN. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 504-507.	1.5	15
10	Phonon signatures of spontaneous CuPt ordering in Ga _{0.47} In _{0.53} As/InP. <i>Applied Physics Letters</i> , 1998, 73, 2648-2650.	3.3	13
11	Effects of excitons on solar cells. <i>Journal of Applied Physics</i> , 1998, 84, 3966-3971.	2.5	12
12	The initial stages of growth of CuPtB ordered Ga _{0.52} In _{0.48} P/GaAs and Ga _{0.47} In _{0.53} As/InP. <i>Applied Physics Letters</i> , 2000, 76, 997-999.	3.3	6
13	Effect of doping on photoluminescence upconversion in GaAs/Al _x Ga _{1-x} As heterostructures. <i>Applied Physics Letters</i> , 2002, 81, 58-60.	3.3	5
14	Demonstration of GaInP ₂ /Si Voltage Matched Tandem Solar Cells. , 2017, , .		4
15	Direct observation of the quantum fluctuation driven amplitude mode in a microcavity polariton condensate. <i>Physical Review B</i> , 2021, 103, .	3.2	4
16	Spectroscopic determination of the bandgap crossover composition in MBE-grown Al _x Ga _{1-x} As. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 042402.	1.5	4
17	Ferroelastic modulation and the Bloch formalism. <i>Science Advances</i> , 2017, 3, e1602754.	10.3	1
18	Evidence for Long-range Hydrogen Motion in α -Si:H under Room-temperature Illumination Using Raman Scattering of Amorphous Tungsten Oxide Overlayer. <i>Materials Research Society Symposia Proceedings</i> , 2001, 664, 2851.	0.1	0