

Mauro Mosca

List of Publications by Year in descending order

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papers

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623574

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all docs

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docs citations

28
times ranked

1013
citing authors

#	ARTICLE	IF	CITATIONS
1	Density of states characterization of TiO ₂ films deposited by pulsed laser deposition for heterojunction solar cells. Nano Research, 2022, 15, 4048-4057.	5.8	1
2	Defect incorporation in In-containing layers and quantum wells: experimental analysis via deep level profiling and optical spectroscopy. Journal Physics D: Applied Physics, 2021, 54, 025108.	1.3	20
3	Correlation between <i>in situ</i> structural and optical characterization of the semiconductor-to-metal phase transition of VO ₂ thin films on sapphire. Nanoscale, 2020, 12, 851-863.	2.8	40
4	Effects of 5 MeV electron irradiation on deep traps and electroluminescence from near-UV InGaN/GaN single quantum well light-emitting diodes with and without InAlN superlattice underlayer. Journal Physics D: Applied Physics, 2020, 53, 445111.	1.3	4
5	Progress in Violet Light-Emitting Diodes Based on ZnO/GaN Heterojunction. Electronics (Switzerland), 2020, 9, 991.	1.8	12
6	Analysis of Transition Metal Oxides based Heterojunction Solar Cells with S-shaped J-V curves. , 2020, , .		2
7	Current Spreading Length and Injection Efficiency in ZnO/GaN-Based Light-Emitting Diodes. IEEE Transactions on Electron Devices, 2019, 66, 4811-4816.	1.6	6
8	Low-temperature growth of <i>n</i> -Ga _x In _{1-x} N by metalorganic chemical vapor deposition to achieve low-resistivity tunnel junctions on blue light emitting diodes. Semiconductor Science and Technology, 2019, 34, 015002.	1.0	9
9	The Effect of Nb Incorporation on the Electronic Properties of Anodic HfO ₂ . ECS Journal of Solid State Science and Technology, 2017, 6, N25-N31.	0.9	15
10	Frequency-Downconversion Stability of PMMA Coatings in Hybrid White Light-Emitting Diodes. Journal of Electronic Materials, 2016, 45, 682-687.	1.0	11
11	Well-aligned hydrothermally synthesized zinc oxide nanorods on p-gan without a seed layer. , 2015, , .		3
12	Enhancement of photoconversion efficiency in dye-sensitized solar cells exploiting pulsed laser deposited niobium pentoxide blocking layers. Thin Solid Films, 2015, 574, 38-42.	0.8	18
13	Warm white LED light by frequency down-conversion of mixed yellow and red Lumogen. Proceedings of SPIE, 2013, , .	0.8	9
14	Generation of white LED light by frequency downconversion using perylene-based dye. Electronics Letters, 2012, 48, 1417.	0.5	21
15	Lattice-Matched GaN/InAlN Waveguides at $\lambda = 1.55 \mu\text{m}$ Grown by Metal-Organic Vapor Phase Epitaxy. IEEE Photonics Technology Letters, 2008, 20, 102-104.	1.3	25
16	Current status of AlInN layers lattice-matched to GaN for photonics and electronics. Journal Physics D: Applied Physics, 2007, 40, 6328-6344.	1.3	304
17	Indium surfactant effect on AlN/GaN heterostructures grown by metal-organic vapor-phase epitaxy: Applications to intersubband transitions. Applied Physics Letters, 2006, 88, 151902.	1.5	52
18	Solar blind detectors based on AlGaN grown on sapphire. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 964-971.	0.8	12

#	ARTICLE	IF	CITATIONS
19	Midinfrared intersubband absorption in lattice-matched AlInN ^x -GaN multiple quantum wells. Applied Physics Letters, 2005, 87, 111106.	1.5	81
20	Internal photoemission in solar blind AlGaIn Schottky barrier photodiodes. Applied Physics Letters, 2005, 86, 063511.	1.5	14
21	Effects of the buffer layers on the performance of (Al,Ga)N ultraviolet photodetectors. Journal of Applied Physics, 2004, 95, 4367-4370.	1.1	17
22	Multilayer (Al,Ga)N Structures for Solar-Blind Detection. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 752-758.	1.9	27
23	Microcavity Light Emitting Diodes Based on GaN membranes Grown by Molecular Beam Epitaxy on Silicon. Japanese Journal of Applied Physics, 2003, 42, 118-121.	0.8	2
24	Stability/instability of conductivity and work function changes of ITO thin films, UV-irradiated in air or vacuum. Synthetic Metals, 2001, 122, 87-89.	2.1	72
25	In situ monitoring of pulsed laser indium ^x -tin-oxide film deposition by optical emission spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 743-751.	1.5	20
26	A simple apparatus for the determination of the optical constants and the thickness of absorbing thin films. Optics Communications, 2001, 191, 295-298.	1.0	11
27	Effects of the process conditions on the plume of a laser-irradiated indium ^x -tin-oxide target. Optics Communications, 2001, 197, 341-354.	1.0	4