

Andrei Sarua

List of Publications by Year in descending order

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19
papers

531
citations

933447

10
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

930
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Boundary Resistance Between GaN and Substrate in AlGaIn/GaN Electronic Devices. IEEE Transactions on Electron Devices, 2007, 54, 3152-3158.	3.0	231
2	Micro-Raman scattering spectroscopy study of Li-doped and undoped ZnO needle crystals. Journal of Raman Spectroscopy, 2009, 40, 556-561.	2.5	57
3	Integration of individual TiO ₂ nanotube on the chip: Nanodevice for hydrogen sensing. Physica Status Solidi - Rapid Research Letters, 2015, 9, 171-174.	2.4	56
4	Single Molecular Precursor Solution for CuIn(S,Se) ₂ Thin Films Photovoltaic Cells: Structure and Device Characteristics. ACS Applied Materials & Interfaces, 2017, 9, 2301-2308.	8.0	25
5	Impact of Sb and Na Doping on the Surface Electronic Landscape of Cu ₂ ZnSn ₄ Thin Films. ACS Energy Letters, 2018, 3, 2977-2982.	17.4	24
6	High-Resolution Raman Temperature Measurements in GaAs p-HEMT Multifinger Devices. IEEE Transactions on Electron Devices, 2007, 54, 1838-1842.	3.0	23
7	Phase selectivity of microwave heating evidenced by Raman spectroscopy. Journal of Applied Physics, 2006, 99, 113505.	2.5	16
8	Integrated Raman - IR Thermography on AlGaIn/GaN Transistors. , 2006, , .		14
9	Thermal Properties and Reliability of GaN Microelectronics: Sub-Micron Spatial and Nanosecond Time Resolution Thermography. , 2007, , .		14
10	Design of titania nanotube structures by focused laser beam direct writing. Journal of Applied Physics, 2013, 114, .	2.5	13
11	Sensing up to 40% atm Using Pressure-Sensitive Aero-GaN. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900012.	2.4	13
12	Solvent dependent study of carbonyl vibrations of 3-phenoxybenzaldehyde and 4-ethoxybenzaldehyde by Raman spectroscopy and <i>ab initio</i> calculations. Journal of Raman Spectroscopy, 2009, 40, 921-935.	2.5	11
13	Mapping Shunting Paths at the Surface of Cu ₂ ZnSn(S,Se) ₄ Films via Energy-Filtered Photoemission Microscopy. IScience, 2018, 9, 36-46.	4.1	10
14	Aero-ZnS architectures with dual hydrophilic-hydrophobic properties for microfluidic applications. APL Materials, 2020, 8, .	5.1	9
15	Highly Porous and Ultra-Lightweight Aero-Ga ₂ O ₃ : Enhancement of Photocatalytic Activity by Noble Metals. Materials, 2021, 14, 1985.	2.9	9
16	Flip Chip Mounting for Improved Thermal Management of AlGaIn/GaN HFETs. Materials Research Society Symposia Proceedings, 2005, 892, 352.	0.1	3
17	Micro-Raman analysis of GaAs Schottky barrier solar cell. Journal of Raman Spectroscopy, 2011, 42, 422-428.	2.5	3
18	Porous and RF sputtering InP for portable THz-TDS in pharmaceutical and medical applications. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Solar thermal characterization of micropatterned high temperature selective surfaces. Journal of Photonics for Energy, 2020, 10, 1.	1.3	0