

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	Highly Porous and Ultra-Lightweight Aero-Ga ₂ O ₃ : Enhancement of Photocatalytic Activity by Noble Metals. <i>Materials</i> , 2021, 14, 1985.	2.9	9
2	Aero-ZnS architectures with dual hydrophilic/hydrophobic properties for microfluidic applications. <i>APL Materials</i> , 2020, 8, .	5.1	9
3	Solar thermal characterization of micropatterned high temperature selective surfaces. <i>Journal of Photonics for Energy</i> , 2020, 10, 1.	1.3	0
4	Sensing up to 40%atm Using Pressure-Sensitive Aero-GaN. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900012.	2.4	13
5	Mapping Shunting Paths at the Surface of Cu ₂ ZnSn(S,Se) ₄ Films via Energy-Filtered Photoemission Microscopy. <i>IScience</i> , 2018, 9, 36-46.	4.1	10
6	Impact of Sb and Na Doping on the Surface Electronic Landscape of Cu ₂ ZnSn ₄ Thin Films. <i>ACS Energy Letters</i> , 2018, 3, 2977-2982.	17.4	24
7	Single Molecular Precursor Solution for CuIn(S,Se) ₂ Thin Films Photovoltaic Cells: Structure and Device Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2301-2308.	8.0	25
8	Integration of individual TiO ₂ nanotube on the chip: Nanodevice for hydrogen sensing. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 171-174.	2.4	56
9	Porous and RF sputtering InP for portable THz-TDS in pharmaceutical and medical applications. , 2013, , .		0
10	Design of titania nanotube structures by focused laser beam direct writing. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	13
11	Micro-Raman analysis of GaAs Schottky barrier solar cell. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 422-428.	2.5	3
12	Micro-Raman scattering spectroscopy study of Li-doped and undoped ZnO needle crystals. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 556-561.	2.5	57
13	Solvent dependent study of carbonyl vibrations of 3-phenoxybenzaldehyde and 4-ethoxybenzaldehyde by Raman spectroscopy and <i>ab initio</i> calculations. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 921-935.	2.5	11
14	Thermal Properties and Reliability of GaN Microelectronics: Sub-Micron Spatial and Nanosecond Time Resolution Thermography. , 2007, , .		14
15	High-Resolution Raman Temperature Measurements in GaAs p-HEMT Multifinger Devices. <i>IEEE Transactions on Electron Devices</i> , 2007, 54, 1838-1842.	3.0	23
16	Thermal Boundary Resistance Between GaN and Substrate in AlGaN/GaN Electronic Devices. <i>IEEE Transactions on Electron Devices</i> , 2007, 54, 3152-3158.	3.0	231
17	Phase selectivity of microwave heating evidenced by Raman spectroscopy. <i>Journal of Applied Physics</i> , 2006, 99, 113505.	2.5	16
18	Integrated Raman - IR Thermography on AlGaN/GaN Transistors. , 2006, , .		14

#	ARTICLE	IF	CITATIONS
19	Flip Chip Mounting for Improved Thermal Management of AlGaIn/GaN HFETs. Materials Research Society Symposia Proceedings, 2005, 892, 352.	0.1	3