

Digangana Khan

List of Publications by Year in descending order

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papers

85
citations

1684188

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docs citations

19
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70
citing authors

#	ARTICLE	IF	CITATIONS
1	$\text{In}^{2-}\text{GaO}^{3-}$ Thin Film Based Lateral and Vertical Schottky Barrier Diode. ECS Journal of Solid State Science and Technology, 2019, 8, Q106-Q110.	1.8	19
2	Plasmonic amplification of photoacoustic waves detected using piezotransistive GaN microcantilevers. Applied Physics Letters, 2017, 111, 062102.	3.3	13
3	Piezotransistive GaN microcantilevers based surface work function measurements. Japanese Journal of Applied Physics, 2018, 57, 040301.	1.5	11
4	H ₂ Detection Using Plasmonically Generated Surface Photoacoustic Waves in Pd Nanoparticle-Deposited GaN Microcantilevers. ACS Sensors, 2020, 5, 3124-3132.	7.8	7
5	Fast Selective Sensing of Nitrogen-Based Gases Utilizing $\text{In}^{2-}\text{MnO}^{2-}$ -Epitaxial Graphene-Silicon Carbide Heterostructures for Room Temperature Gas Sensing. Journal of Microelectromechanical Systems, 2020, 29, 846-852.	2.5	6
6	An AlGaIn/GaN Dual Channel Triangular Microcantilever Based UV Detector. ACS Photonics, 2022, 9, 1908-1918.	6.6	6
7	Nonlinearity in piezotransistive GaN microcantilevers. Journal of Micromechanics and Microengineering, 2019, 29, 125011.	2.6	4
8	Plasmonic Absorption Enabled Analyte Detection Using Piezotransistive Microcantilevers. , 2018, , .		3
9	Dynamic response of VO ₂ mesa based GaN microcantilevers for sensing applications. , 2019, , .		3
10	Voltage triggered near-infrared light modulation using VO ₂ thin film. Optics Express, 2021, 29, 32124.	3.4	3
11	AlGaIn/GaN HFET embedded GaN microcantilevers based potentiometric sensor. , 2016, , .		2
12	Photoacoustic Detection of H ₂ and NH ₃ Using Plasmonic Signal Enhancement in GaN Microcantilevers. Micromachines, 2020, 11, 680.	2.9	2
13	Investigation of AlGaIn/GaN HFET and VO ₂ Thin Film Based Deflection Transducers Embedded in GaN Microcantilevers. Micromachines, 2020, 11, 875.	2.9	2
14	Mechanical memory operations in piezotransistive GaN microcantilevers using Au nanoparticle-enhanced photoacoustic excitation. Microsystems and Nanoengineering, 2022, 8, 8.	7.0	2
15	Observation of Nonlinear Oscillations in Piezotransistive GaN Microcantilevers. , 2018, , .		1
16	Piezotransistive GaN Microcantilever Based NO ₂ Sensing Using Functionalized Nanoscale Thin Films. , 2018, , .		1
17	Effect of Surface Adsorbates on Carrier Transport in Graphene. , 2018, , .		0
18	Multi-mode Integrated Energy Harvester Utilizing Piezoelectricity and Triboelectricity. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Electrical Modulation Trasmitted IR Light Through VO2 Thin Film on GaN Membranes. , 2021, , .		0