

# Digangana Khan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3946641/publications.pdf>

Version: 2024-02-01

19  
papers

85  
citations

1684188

5  
h-index

1474206

9  
g-index

19  
all docs

19  
docs citations

19  
times ranked

70  
citing authors

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

#	ARTICLE	IF	CITATIONS
19	AlGaN/GaN HFET embedded GaN microcantilevers based potentiometric sensor. , 2016, , .		2