Ferhat Bayram

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7496389/publications.pdf

Version: 2024-02-01

23	101	1478505 6	1474206 9
papers	citations	h-index	g-index

23	23	23	86
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical memory operations in piezotransistive GaN microcantilevers using Au nanoparticle-enhanced photoacoustic excitation. Microsystems and Nanoengineering, 2022, 8, 8.	7.0	2
2	An AlGaN/GaN Dual Channel Triangular Microcantilever Based UV Detector. ACS Photonics, 2022, 9, 1908-1918.	6.6	6
3	Electrical Modulation Tramsmitted IR Light Through VO2 Thin Film on GaN Membranes. , 2021, , .		0
4	Voltage triggered near-infrared light modulation using VO₂ thin film. Optics Express, 2021, 29, 32124.	3.4	3
5	H2 Detection Using Plasmonically Generated Surface Photoacoustic Waves in Pd Nanoparticle-Deposited GaN Microcantilevers. ACS Sensors, 2020, 5, 3124-3132.	7.8	7
6	Direct measurement of K⁺ ion efflux from neuronal cells using a graphene-based ion sensitive field effect transistor. RSC Advances, 2020, 10, 37728-37734.	3.6	11
7	Photoacoustic Detection of H2 and NH3 Using Plasmonic Signal Enhancement in GaN Microcantilevers. Micromachines, 2020, 11, 680.	2.9	2
8	Fast Selective Sensing of Nitrogen-Based Gases Utilizing Î²-MnO₂-Epitaxial Graphene-Silicon Carbide Heterostructures for Room Temperature Gas Sensing. Journal of Microelectromechanical Systems, 2020, 29, 846-852.	2.5	6
9	Investigation of AlGaN/GaN HFET and VO2 Thin Film Based Deflection Transducers Embedded in GaN Microcantilevers. Micromachines, 2020, 11, 875.	2.9	2
10	Nonlinearity in piezotransistive GaN microcantilevers. Journal of Micromechanics and Microengineering, 2019, 29, 125011.	2.6	4
11	Impact of oxygen plasma treatment on carrier transport and molecular adsorption in graphene. Nanoscale, 2019, 11, 11145-11151.	5.6	20
12	Dynamic response of VO2 mesa based GaN microcantilevers for sensing applications. , 2019, , .		3
13	Piezotransistive GaN microcantilevers based surface work function measurements. Japanese Journal of Applied Physics, 2018, 57, 040301.	1.5	11
14	Plasmonic Absorption Enabled Analyte Detection Using Piezotransistive Microcantilevers. , 2018, , .		3
15	Observation of Nonlinear Oscillations in Piezotransistive GaN Microcantilevers. , 2018, , .		1
16	Piezotransistive GaN Microcantilever Based N0<inf>2</inf>Sensing Using Functionalized Nanoscale Thin Films. , 2018, , .		1
17	Effect of Plasmonic Absorption on Photoacoustic Signal Generation. , 2018, , .		1
18	Multi-mode Integrated Energy Harvester Utilizing Piezoelectricity and Triboelectricity. , 2018, , .		0

#	Article	IF	Citations
19	Plasmonic amplification of photoacoustic waves detected using piezotransistive GaN microcantilevers. Applied Physics Letters, 2017, 111, 062102.	3.3	13
20	Plasmonic enhancement of photoacoustic signal for sensing applications. , 2017, , .		2
21	Epoxy exposure induced electronic properties change of graphene. , 2016, , .		1
22	AlGaN/GaN HFET embedded GaN microcantilevers based potentiometric sensor. , 2016, , .		2
23	Enzyme biotransducers formed from conductive electroactive polymers. , 2013, , .		0