

Ferhat Bayram

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

101
citations

1478505

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1474206

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all docs

23
docs citations

23
times ranked

86
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of oxygen plasma treatment on carrier transport and molecular adsorption in graphene. <i>Nanoscale</i> , 2019, 11, 11145-11151.	5.6	20
2	Plasmonic amplification of photoacoustic waves detected using piezotransistive GaN microcantilevers. <i>Applied Physics Letters</i> , 2017, 111, 062102.	3.3	13
3	Piezotransistive GaN microcantilevers based surface work function measurements. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 040301.	1.5	11
4	Direct measurement of K^{+} ion efflux from neuronal cells using a graphene-based ion sensitive field effect transistor. <i>RSC Advances</i> , 2020, 10, 37728-37734.	3.6	11
5	H ₂ 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	Fast Selective Sensing of Nitrogen-Based Gases Utilizing $\hat{\Gamma}$ -MnO ₂ -Epitaxial Graphene-Silicon Carbide Heterostructures for Room Temperature Gas Sensing. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 846-852.	2.5	6
7	An AlGaIn/GaN Dual Channel Triangular Microcantilever Based UV Detector. <i>ACS Photonics</i> , 2022, 9, 1908-1918.	6.6	6
8	Nonlinearity in piezotransistive GaN microcantilevers. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 125011.	2.6	4
9	Plasmonic Absorption Enabled Analyte Detection Using Piezotransistive Microcantilevers. , 2018, , .		3
10	Dynamic response of VO ₂ mesa based GaN microcantilevers for sensing applications. , 2019, , .		3
11	Voltage triggered near-infrared light modulation using VO ₂ thin film. <i>Optics Express</i> , 2021, 29, 32124.	3.4	3
12	AlGaIn/GaN HFET embedded GaN microcantilevers based potentiometric sensor. , 2016, , .		2
13	Plasmonic enhancement of photoacoustic signal for sensing applications. , 2017, , .		2
14	Photoacoustic Detection of H ₂ and NH ₃ Using Plasmonic Signal Enhancement in GaN Microcantilevers. <i>Micromachines</i> , 2020, 11, 680.	2.9	2
15	Investigation of AlGaIn/GaN HFET and VO ₂ Thin Film Based Deflection Transducers Embedded in GaN Microcantilevers. <i>Micromachines</i> , 2020, 11, 875.	2.9	2
16	Mechanical memory operations in piezotransistive GaN microcantilevers using Au nanoparticle-enhanced photoacoustic excitation. <i>Microsystems and Nanoengineering</i> , 2022, 8, 8.	7.0	2
17	Epoxy exposure induced electronic properties change of graphene. , 2016, , .		1
18	Observation of Nonlinear Oscillations in Piezotransistive GaN Microcantilevers. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Piezotransistive GaN Microcantilever Based NO ₂ Sensing Using Functionalized Nanoscale Thin Films. , 2018, , .		1
20	Effect of Plasmonic Absorption on Photoacoustic Signal Generation. , 2018, , .		1
21	Enzyme biotransducers formed from conductive electroactive polymers. , 2013, , .		0
22	Multi-mode Integrated Energy Harvester Utilizing Piezoelectricity and Triboelectricity. , 2018, , .		0
23	Electrical Modulation Transmitted IR Light Through VO ₂ Thin Film on GaN Membranes. , 2021, , .		0