

Xuejin Wen

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

135
citations

1478505

6
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

185
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of clinically relevant levels of protein analyte under physiologic buffer using planar field effect transistors. <i>Biosensors and Bioelectronics</i> , 2008, 24, 505-511.	10.1	50
2	Improved Sensitivity of AlGaIn/GaN Field Effect Transistor Biosensors by Optimized Surface Functionalization. <i>IEEE Sensors Journal</i> , 2011, 11, 1726-1735.	4.7	23
3	High sensitivity AlGaIn/GaN field effect transistor protein sensors operated in the subthreshold regime by a control gate electrode. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	19
4	ImmunoFET feasibility in physiological salt environments. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 2474-2488.	3.4	17
5	Interfacial design and structure of protein/polymer films on oxidized AlGaIn surfaces. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 034010.	2.8	9
6	AlGaIn/GaN HFET biosensors working at subthreshold regime for sensitivity enhancement. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 2489-2491.	0.8	7
7	AlGaIn/GaN heterostructure field transistor for label-free detection of DNA hybridization. <i>Science Bulletin</i> , 2013, 58, 2601-2605.	1.7	6
8	Surface Functionalization of Hydrogen-Terminated Si for Biosensing Applications. <i>Journal of Electronic Materials</i> , 2012, 41, 830-836.	2.2	3
9	Fabrication and characterization of coupled metal-dielectric-metal nanoantennas. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C6O21-C6O25.	1.2	1
10	Quantum model for waveguide transverse coupling. , 2004, , .		0
11	Electrical Detection of Biological Conjugation by AlGaIn/GaN Heterostructure Field Effect Transistors. , 2008, , .		0