

Xuejin Wen

List of Publications by Year in descending order

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