Conlathan Ibau

List of Publications by Year
in descending order

20 papers	190 citations	1307594 7 h-index	1372567 10 g-index
21 all docs	21 docs citations	21 times ranked	223 citing authors

#	Article	IF	Citations
1	Femtomolar Dengue Virus Type-2 DNA Detection in Back-gated Silicon Nanowire Field-effect Transistor Biosensor. Current Nanoscience, 2022, 18, 139-146.	1.2	3
2	Faradaic electrochemical impedimetric analysis on MoS2/Au-NPs decorated surface for C-reactive protein detection. Journal of the Taiwan Institute of Chemical Engineers, 2022, 138, 104450.	5.3	14
3	Effect of back gate biasing on silicon nanowire field effect transistor. AIP Conference Proceedings, 2021, , .	0.4	0
4	Glycosylated biomarker sensors: advancements in prostate cancer diagnosis. Chemical Communications, 2021, 57, 9640-9655.	4.1	8
5	Impedimetric cardiac biomarker determination in serum mediated by epoxy and hydroxyl of reduced graphene oxide on gold array microelectrodes. Mikrochimica Acta, 2021, 188, 257.	5.0	8
6	Immunosensing prostate-specific antigen: Faradaic vs non-Faradaic electrochemical impedance spectroscopy analysis on interdigitated microelectrode device. International Journal of Biological Macromolecules, 2020, 162, 1924-1936.	7.5	26
7	Fabrication and Characterizations of Poly-Si Nanowire Biosensor using Conventional Photolithography Technique for Detection of Dengue Virus DNA Type 2 (DENV-2). IOP Conference Series: Materials Science and Engineering, 2020, 864, 012186.	0.6	0
8	Gold interdigitated triple-microelectrodes for label-free prognosticative aptasensing of prostate cancer biomarker in serum. Biosensors and Bioelectronics, 2019, 136, 118-127.	10.1	57
9	Detection of Prostate Cancer's Antigen in Sub-pico Range of Concentration using the Faradaic-mode Electrochemical Impedance Spectroscopy. , 2019, , .		1
10	Molybdenum Disulfide (MoS2)/Gold Nanoparticles (AuNPs)-based Field-effect Transistor for C-reactive Protein Detection: Early Diagnosis of Cardiovascular Disease. , 2019, , .		0
11	Fabrication and Characterization of poly-Si Nanowire with Thin Film of Ni/Au Contact Pad using Conventional Photolithography. , 2019, , .		0
12	Fabrication and Characterization of Back-Gate Controlled Silicon Nanowire based Field-effect pH Sensor. , 2019, , .		1
13	Fabrication and Characterization of Aluminium Interdigitated Electrodes (IDE) Hybrid with Zinc Oxide (ZnO) Nanoparticles for Detection of Cardiac Troponin I (cTnI) Biomarker. , 2019, , .		0
14	Electrical responses of dengue virus (DENV) using poly-Si nanowire array biosensor. AIP Conference Proceedings, 2018, , .	0.4	2
15	Enhanced sensitivity mediated ambipolar conduction with p-type TiO 2 anatase transducer for biomarker capturing. Sensors and Actuators A: Physical, 2017, 259, 57-67.	4.1	17
16	Current advances and future visions on bioelectronic immunosensing for prostate-specific antigen. Biosensors and Bioelectronics, 2017, 98, 267-284.	10.1	42
17	The Impacts of Platinum Diffusion to the Reverse Recovery Lifetime of a High Power Diode Devices. MATEC Web of Conferences, 2016, 78, 01089.	0.2	1
18	Numerical simulation of underlap FET device architecture for biosensor applications. , 2016, , .		0

#	Article	IF	Citations
19	The effect of substrate-gate bias on the zinc oxide field-effect transistor for biosensing application. , 2016, , .		3
20	Interdigitated Electrodes integrated with zinc oxide nanoparticles for Cardiac Troponin I biomarker detection. , 2016, , .		7