

Md Azahar Ali

List of Publications by Year in descending order

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58
papers

3,045
citations

126907

33
h-index

161849

54
g-index

59
all docs

59
docs citations

59
times ranked

3749
citing authors

#	ARTICLE	IF	CITATIONS
1	The revolution of PDMS microfluidics in cellular biology. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 465-483.	9.0	24
2	Nanostructured CeO ₂ :Ag platform for electrochemically sensitive detection of nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126116.	4.7	20
3	MoS ₂ Nanosheet-Modified NiO Layers on a Conducting Carbon Paper for Glucose Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 6609-6619.	5.0	18
4	Application of Functionalized Graphene Oxide Based Biosensors for Health Monitoring: Simple Graphene Derivatives to 3D Printed Platforms. <i>Biosensors</i> , 2021, 11, 384.	4.7	29
5	Dual-modality microfluidic biosensor based on nanoengineered mesoporous graphene hydrogels. <i>Lab on A Chip</i> , 2020, 20, 760-777.	6.0	36
6	Continuous Monitoring of Soil Nitrate Using a Miniature Sensor with Poly(3-octyl-thiophene) and Molybdenum Disulfide Nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29195-29206.	8.0	66
7	A hollow-nanosphere-based microfluidic biosensor for biomonitoring of cardiac troponin I. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3826-3839.	5.8	36
8	An optofluidic metasurface for lateral flow-through detection of breast cancer biomarker. <i>Biosensors and Bioelectronics</i> , 2018, 107, 224-229.	10.1	64
9	Integrated dual-modality microfluidic sensor for biomarker detection using lithographic plasmonic crystal. <i>Lab on A Chip</i> , 2018, 18, 803-817.	6.0	33
10	Functionalized MoS ₂ nanosheets assembled microfluidic immunosensor for highly sensitive detection of food pathogen. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 1090-1098.	7.8	57
11	Integrated Microfluidic Flow-Through Microbial Fuel Cells. <i>Scientific Reports</i> , 2017, 7, 41208.	3.3	26
12	Highly sensitive porous carbon and metal/carbon conducting nanofiber based enzymatic biosensors for triglyceride detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 202-214.	7.8	65
13	Amperometric enzymatic determination of bisphenol A using an ITO electrode modified with reduced graphene oxide and Mn ₃ O ₄ nanoparticles in a chitosan matrix. <i>Mikrochimica Acta</i> , 2017, 184, 1809-1816.	5.0	35
14	In situ integration of graphene foam-titanium nitride based bio-scaffolds and microfluidic structures for soil nutrient sensors. <i>Lab on A Chip</i> , 2017, 17, 274-285.	6.0	57
15	Microporous Nanocomposite Enabled Microfluidic Biochip for Cardiac Biomarker Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33576-33588.	8.0	63
16	Graphene oxide-metal nanocomposites for cancer biomarker detection. <i>RSC Advances</i> , 2017, 7, 35982-35991.	3.6	30
17	Microfluidic impedimetric sensor for soil nitrate detection using graphene oxide and conductive nanofibers enabled sensing interface. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1289-1299.	7.8	115
18	Microfluidic Immuno-Biochip for Detection of Breast Cancer Biomarkers Using Hierarchical Composite of Porous Graphene and Titanium Dioxide Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20570-20582.	8.0	157

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19	Tunable bioelectrodes with wrinkled-ridged graphene oxide surfaces for electrochemical nitrate sensors. RSC Advances, 2016, 6, 67184-67195.	3.6	35
20	Antibody conjugated metal nanoparticle decorated graphene sheets for a mycotoxin sensor. RSC Advances, 2016, 6, 56518-56526.	3.6	21
21	In-situ electrosynthesized nanostructured Mn ₃ O ₄ -polyaniline nanofibers- biointerface for endocrine disrupting chemical detection. Sensors and Actuators B: Chemical, 2016, 236, 781-793.	7.8	19
22	Electrospun functional micro/nanochannels embedded in porous carbon electrodes for microfluidic biosensing. Sensors and Actuators B: Chemical, 2016, 229, 82-91.	7.8	37
23	Green Synthesis of Graphene Based Biomaterial Using Fenugreek Seeds for Lipid Detection. ACS Sustainable Chemistry and Engineering, 2016, 4, 871-880.	6.7	40
24	A biofunctionalized quantum dot-nickel oxide nanorod based smart platform for lipid detection. Journal of Materials Chemistry B, 2016, 4, 2706-2714.	5.8	22
25	Mesoporous Few-Layer Graphene Platform for Affinity Biosensing Application. ACS Applied Materials & Interfaces, 2016, 8, 7646-7656.	8.0	50
26	A Label-Free Photoluminescence Genosensor Using Nanostructured Magnesium Oxide for Cholera Detection. Scientific Reports, 2015, 5, 17384.	3.3	16
27	Mediator-free biosensor using chitosan capped CdS quantum dots for detection of total cholesterol. RSC Advances, 2015, 5, 45928-45934.	3.6	27
28	Anti-epidermal growth factor receptor conjugated mesoporous zinc oxide nanofibers for breast cancer diagnostics. Nanoscale, 2015, 7, 7234-7245.	5.6	107
29	Self assembled DC sputtered nanostructured rutile TiO ₂ platform for bisphenol A detection. Biosensors and Bioelectronics, 2015, 68, 633-641.	10.1	33
30	Tyrosinase conjugated reduced graphene oxide based biointerface for bisphenol A sensor. Biosensors and Bioelectronics, 2015, 74, 644-651.	10.1	80
31	A chitosan modified nickel oxide platform for biosensing applications. Journal of Materials Chemistry B, 2015, 3, 6698-6708.	5.8	37
32	Protein Functionalized Carbon Nanotubes-based Smart Lab-on-a-Chip. ACS Applied Materials & Interfaces, 2015, 7, 5837-5846.	8.0	58
33	Quantum dot-based microfluidic biosensor for cancer detection. Applied Physics Letters, 2015, 106, .	3.3	25
34	Protein conjugated carboxylated gold@reduced graphene oxide for aflatoxin B ₁ detection. RSC Advances, 2015, 5, 5406-5414.	3.6	59
35	Chitosan-Modified Carbon Nanotubes-Based Platform for Low-Density Lipoprotein Detection. Applied Biochemistry and Biotechnology, 2014, 174, 926-935.	2.9	24
36	Electrochemically Assembled Gold Nanostructures Platform: Electrochemistry, Kinetic Analysis, and Biomedical Application. Journal of Physical Chemistry C, 2014, 118, 6261-6271.	3.1	12

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37	Lipidâ€™Lipid Interactions in Aminated Reduced Graphene Oxide Interface for Biosensing Application. Langmuir, 2014, 30, 4192-4201.	3.5	75
38	Reduced graphene oxideâ€™titania based platform for label-free biosensor. RSC Advances, 2014, 4, 60386-60396.	3.6	24
39	Highly Sensitive Biofunctionalized Mesoporous Electrospun TiO ₂ Nanofiber Based Interface for Biosensing. ACS Applied Materials & Interfaces, 2014, 6, 2516-2527.	8.0	136
40	A surface functionalized nanoporous titania integrated microfluidic biochip. Nanoscale, 2014, 6, 13958-13969.	5.6	31
41	Graphene Oxide-Based Biosensor for Food Toxin Detection. Applied Biochemistry and Biotechnology, 2014, 174, 960-970.	2.9	60
42	Proteinâ€™Conjugated Quantum Dots Interface: Binding Kinetics and Label-Free Lipid Detection. Analytical Chemistry, 2014, 86, 1710-1718.	6.5	40
43	Nanomaterial-Based Biosensors for Food Toxin Detection. Applied Biochemistry and Biotechnology, 2014, 174, 880-896.	2.9	94
44	Highly sensitive biofunctionalized nickel oxide nanowires for nanobiosensing applications. RSC Advances, 2013, 3, 16060.	3.6	18
45	Mediator-free microfluidics biosensor based on titaniaâ€™zirconia nanocomposite for urea detection. RSC Advances, 2013, 3, 228-235.	3.6	64
46	Magnesium oxide grafted carbon nanotubes based impedimetric genosensor for biomedical application. Biosensors and Bioelectronics, 2013, 50, 406-413.	10.1	19
47	Electrophoretically deposited reduced graphene oxide platform for food toxin detection. Nanoscale, 2013, 5, 3043.	5.6	158
48	A highly efficient microfluidic nano biochip based on nanostructured nickel oxide. Nanoscale, 2013, 5, 2883.	5.6	63
49	Carboxylated multiwalled carbon nanotubes based biosensor for aflatoxin detection. Sensors and Actuators B: Chemical, 2013, 185, 258-264.	7.8	138
50	Biocompatible nanostructured magnesium oxide-chitosan platform for genosensing application. Biosensors and Bioelectronics, 2013, 45, 181-188.	10.1	33
51	Molecularly imprinted polyaniline-polyvinyl sulphonic acid composite based sensor for para-nitrophenol detection. Analytica Chimica Acta, 2013, 777, 63-71.	5.4	43
52	Microfluidicâ€™integrated biosensors: Prospects for pointâ€™ofâ€™care diagnostics. Biotechnology Journal, 2013, 8, 1267-1279.	3.5	147
53	Nanostructured magnesium oxide biosensing platform for cholera detection. Applied Physics Letters, 2013, 102, 144106.	3.3	13
54	Nanostructured anatase-titanium dioxide based platform for application to microfluidics cholesterol biosensor. Applied Physics Letters, 2012, 101, 084105.	3.3	46

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55	Electrophoretically deposited CdS quantum dots based electrode for biosensor application. Journal of Materials Chemistry, 2012, 22, 4970.	6.7	40
56	A self assembled monolayer based microfluidic sensor for urea detection. Nanoscale, 2011, 3, 2971.	5.6	38
57	Polyanilineâ€“Carboxymethyl Cellulose Nanocomposite for Cholesterol Detection. Journal of Nanoscience and Nanotechnology, 2010, 10, 6479-6488.	0.9	29
58	Nanostructured zinc oxide film for urea sensor. Materials Letters, 2009, 63, 2473-2475.	2.6	100