

Zulfiqur Ali

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

2,616
citations

201674

27
h-index

189892

50
g-index

81
all docs

81
docs citations

81
times ranked

3188
citing authors

#	ARTICLE	IF	CITATIONS
1	Data analysis for electronic nose systems. <i>Mikrochimica Acta</i> , 2006, 156, 183-207.	5.0	377
2	Chemical Sensors for Electronic Nose Systems. <i>Mikrochimica Acta</i> , 2005, 149, 1-17.	5.0	317
3	First human experiments with a novel non-invasive, non-optical continuous glucose monitoring system. <i>Biosensors and Bioelectronics</i> , 2003, 19, 209-217.	10.1	206
4	Analysis of waste hierarchy in the European waste directive 2008/98/EC. <i>Waste Management</i> , 2015, 39, 305-313.	7.4	174
5	Fabrication Methods for Microfluidic Devices: An Overview. <i>Micromachines</i> , 2021, 12, 319.	2.9	172
6	Effect of annealing on structural and optoelectronic properties of nanostructured ZnSe thin films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2414-2419.	5.5	118
7	Denuder tubes for sampling of gaseous species. A review. <i>Analyst</i> , The, 1989, 114, 759.	3.5	80
8	Production of rhamnolipid biosurfactants by <i>Pseudomonas aeruginosa</i> DS10 in a microfluidic bioreactor. <i>Biotechnology and Applied Biochemistry</i> , 2010, 55, 45-52.	3.1	66
9	Electrochemical immobilisation of enzymes. Part 4. Co-immobilisation of glucose oxidase and ferro/ferricyanide in poly(N-methylpyrrole) films. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 2677-2683.	1.7	62
10	Biomarkers for Point-of-Care Diagnosis of Sepsis. <i>Micromachines</i> , 2020, 11, 286.	2.9	52
11	Electrochemical detection of d-dimer as deep vein thrombosis marker using single-chain d-dimer antibody immobilized on functionalized polypyrrole. <i>Biosensors and Bioelectronics</i> , 2010, 26, 736-742.	10.1	51
12	Effect of electrical conditions on an impedimetric immunosensor based on a modified conducting polypyrrole. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 323-331.	7.8	50
13	Shunting microfluidic PCR device for rapid bacterial detection. <i>Talanta</i> , 2020, 207, 120303.	5.5	40
14	Microfluidic Bioreactors for Cell Culturing: A Review. <i>Micro and Nanosystems</i> , 2011, 3, 137-160.	0.6	38
15	Investigation of pressure drop in horizontal pipes with different diameters. <i>International Journal of Multiphase Flow</i> , 2017, 91, 120-129.	3.4	38
16	Application of the California mastitis test in intramammary <i>Streptococcus agalactiae</i> and <i>Staphylococcus aureus</i> infections of camels (<i>Camelus dromedarius</i>) in Kenya. <i>Preventive Veterinary Medicine</i> , 2001, 51, 307-316.	1.9	37
17	Liquid-Phase Broadband Cavity-Enhanced Absorption Spectroscopy Measurements in a 2 mm Cuvette. <i>Applied Spectroscopy</i> , 2007, 61, 649-658.	2.2	37
18	Broadband Cavity Enhanced Absorption Spectroscopy as a Detector for HPLC. <i>Analytical Chemistry</i> , 2009, 81, 4106-4112.	6.5	34

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19	Impedimetric array in polymer microfluidic cartridge for low cost point-of-care diagnostics. <i>Biosensors and Bioelectronics</i> , 2019, 129, 147-154.	10.1	34
20	Application of the quartz crystal microbalance to the monitoring of <i>Staphylococcus epidermidis</i> antigen-antibody agglutination. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 20, 241-245.	2.8	33
21	Total luminescence spectroscopy with pattern recognition for classification of edible oils. <i>Analyst</i> , The, 2003, 128, 966.	3.5	31
22	Discrimination of teas based on total luminescence spectroscopy and pattern recognition. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 2092-2098.	3.5	31
23	Discrimination of Sri Lankan black teas using fluorescence spectroscopy and linear discriminant analysis. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 2308-2314.	3.5	31
24	Low cost microfluidic cell culture array using normally closed valves for cytotoxicity assay. <i>Talanta</i> , 2014, 129, 491-498.	5.5	31
25	Title is missing!. <i>Magyar Árvad Kézlönyek</i> , 2003, 71, 155-161.	1.4	28
26	Development of a simple and low cost microbioreactor for high-throughput bioprocessing. <i>Biotechnology Letters</i> , 2009, 31, 209-214.	2.2	28
27	Liquid-phase broadband cavity enhanced absorption spectroscopy (BBCEAS) studies in a 20 cm cell. <i>Analyst</i> , The, 2009, 134, 1887.	3.5	28
28	Clarifying the disagreements on various reuse options: Repair, recondition, refurbish and remanufacture. <i>Waste Management and Research</i> , 2016, 34, 995-1005.	3.9	26
29	Beyond liquid biopsy: Toward non-invasive assays for distanced cancer diagnostics in pandemics. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113698.	10.1	23
30	A rapid, non-destructive method for the determination of <i>Staphylococcus epidermidis</i> adhesion to surfaces using quartz crystal resonant sensor technology. <i>Letters in Applied Microbiology</i> , 2001, 33, 344-348.	2.2	18
31	Radial basis neural network for the classification of fresh edible oils using an electronic nose. <i>Magyar Árvad Kézlönyek</i> , 2003, 71, 147-154.	1.4	17
32	Classification of fresh edible oils using a coated piezoelectric sensor array-based electronic nose with soft computing approach for pattern recognition. <i>Transactions of the Institute of Measurement and Control</i> , 2004, 26, 3-18.	1.7	17
33	Simple dip strip ELISA for airborne estrogenic steroids. <i>Analytica Chimica Acta</i> , 2001, 444, 79-86.	5.4	16
34	Measuring resource efficiency and resource effectiveness in manufacturing. <i>International Journal of Productivity and Performance Management</i> , 2018, 67, 1854-1881.	3.7	16
35	Developments in Transduction, Connectivity and AI/Machine Learning for Point-of-Care Testing. <i>Sensors</i> , 2019, 19, 1917.	3.8	15
36	Entangled cellulose nanofibrils/nanosheets derived from native mexican agave for lead(II) ion removal. <i>Cellulose</i> , 2020, 27, 8785-8798.	4.9	14

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37	Design and Evaluation of a Flexible Dual-Band Meander Line Monopole Antenna for On- and Off-Body Healthcare Applications. <i>Micromachines</i> , 2021, 12, 475.	2.9	13
38	Denuder tube preconcentration and detection of gaseous ammonia using a coated quartz piezoelectric crystal. <i>Analyst, The</i> , 1992, 117, 899.	3.5	12
39	A Novel Isotherm, Modeling Self-Assembled Monolayer Adsorption and Structural Changes. <i>Langmuir</i> , 2009, 25, 931-938.	3.5	12
40	Acoustic Wave Mass Sensors. <i>Magyar Árvad Kémlelmények</i> , 1999, 55, 397-412.	1.4	11
41	Investigation of Electrochemical Properties of Carbon Nanofibers Prepared by CCVD Method. <i>Particulate Science and Technology</i> , 2006, 24, 311-320.	2.1	11
42	Cavity-Enhanced Immunoassay Measurements in Microtiter Plates Using BBCEAS. <i>Analytical Chemistry</i> , 2016, 88, 5264-5270.	6.5	11
43	<i>Lactobacillus rhamnosus</i> GG conditioned media modulates acute reactive oxygen species and nitric oxide in J774 murine macrophages. <i>Biochemistry and Biophysics Reports</i> , 2016, 6, 68-75.	1.3	11
44	Microbioreactor for lower cost and faster optimisation of protein production. <i>Analyst, The</i> , 2020, 145, 6148-6161.	3.5	11
45	Title is missing!. <i>Magyar Árvad Kémlelmények</i> , 2003, 71, 25-29.	1.4	10
46	Optimising of the sensing chamber of an array of a volatile detection system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 76, 693-708.	3.6	10
47	Impedimetric Measurements for Monitoring Avidin-Biotin Interaction on Self-Assembled Monolayer. <i>Particulate Science and Technology</i> , 2008, 26, 136-144.	2.1	10
48	Title is missing!. <i>Magyar Árvad Kémlelmények</i> , 1999, 55, 371-381.	1.4	9
49	Survey on mass determination systems: Part I. Fundamentals and history. <i>Magyar Árvad Kémlelmények</i> , 2003, 71, 19-23.	1.4	9
50	Title is missing!. <i>Magyar Árvad Kémlelmények</i> , 2003, 71, 31-35.	1.4	9
51	Modulation of Macrophage Function by <i>Lactobacillus</i> -Conditioned Medium. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 723.	3.7	9
52	Cavity enhanced liquid-phase stopped-flow kinetics. <i>Analyst, The</i> , 2018, 143, 493-502.	3.5	8
53	Recent Developments in Polymer Microfluidic Devices with Capillary Electrophoresis and Electrochemical Detection. <i>Micro and Nanosystems</i> , 2010, 2, 108-136.	0.6	8
54	Gas-phase pre-concentration for a quartz crystal microbalance based electronic nose. <i>Magyar Árvad Kémlelmények</i> , 2003, 71, 163-171.	1.4	7

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55	Towards More Predictive, Physiological and Animal-free <i>In Vitro</i> Models: Advances in Cell and Tissue Culture 2020 Conference Proceedings. ATLA Alternatives To Laboratory Animals, 2021, 49, 93-110.	1.0	6
56	Lab-on-a-Chip for Terrorist Weapons Management. Measurement and Control, 2005, 38, 87-91.	1.8	5
57	A Novel Point of Care Diagnostic Device: Impedimetric Detection of a Biomarker in Whole Blood. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 115-8.	0.5	5
58	An Efficient Data Compression Algorithm For Real-Time Monitoring Applications In Healthcare. , 2020, , .		5
59	Fuzzy logic and fuzzy classification techniques. Studies in Fuzziness and Soft Computing, 2003, , 95-134.	0.8	4
60	<i>Measurement of hydrogen sulphide gas using fluorescence quenching</i> . , 1992, , .		3
61	Replication of micro-feature using variety of polymer and commonly used mould at elevated temperature and pressure. IOP Conference Series: Materials Science and Engineering, 2012, 40, 012044.	0.6	3
62	Biosorption of copper using nopal fibres: moolooite formation and magnesium role in the reactive crystallization mechanism. Cellulose, 2020, 27, 10259-10276.	4.9	3
63	Fabrication of Microfluidic Devices for Forensic Molecular Diagnostics. Measurement and Control, 2012, 45, 306-310.	1.8	2
64	Portable, low cost and sensitive cavity enhanced absorption (CEA) detection. Analyst, The, 2021, 146, 196-206.	3.5	2
65	Analysis of Seafood Aroma/Odour by Electronic Nose Technology and Direct Analysis. , 2002, , 105-121.		2
66	<i>Measurement of ammonia gas using fluorescence quenching</i> . , 1992, , .		1
67	Making Laboratory Measurements on a Chip. Measurement and Control, 2007, 40, 76-79.	1.8	1
68	Impedimetric microanalysis system for Deep Vein Thrombosis point-of-care testing. , 2008, 2008, 1856.		1
69	<i>Indicators for the optical measurement of sulphur dioxide gas</i> . , 1992, , .		0
70	<i>Measurement of hydrogen chloride gas using fluorescence quenching</i> . , 1992, 1637, 91.		0
71	<i>Microbial analysis using Sharma's reaction</i> . , 1999, , .		0
72	<i>Atmospheric deposition of TiO₂ films on glass substrates for antibacterial activity</i> . , 1999, , .		0

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73	<title>Organic vapor sensing using a coated piezoelectric quartz crystal sensor array</title>. , 1999, 3853, 116.		0
74	Polymer Based Microchip for Combined Capillary Electrophoresis and Electrochemical Detection. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 111-4.	0.5	0
75	Assembly of a polymer lab-on-chip device for impedimetric measurements of D-dimers in whole blood. , 2010, , .		0
76	Microbioreactor Integrated with a Sensor for Monitoring Intracellular Green Fluorescence Protein (GFP). IFMBE Proceedings, 2014, , 888-891.	0.3	0