Ibtisam Tothill, Ibtisam E Tothill, I E To

List of Publications by Year
in descending order

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71 papers	4,874 citations	66343 42 h-index	91884 69 g-index
74 all docs	74 docs citations	74 times ranked	5460 citing authors

#	Article	IF	Citations
1	Biosensors for cancer markers diagnosis. Seminars in Cell and Developmental Biology, 2009, 20, 55-62.	5.0	436
2	Rational Design of a Polymer Specific for Microcystin-LR Using a Computational Approach. Analytical Chemistry, 2002, 74, 1288-1293.	6.5	284
3	Cancer Biomarker Detection in Serum Samples Using Surface Plasmon Resonance and Quartz Crystal Microbalance Sensors with Nanoparticle Signal Amplification. Analytical Chemistry, 2012, 84, 5898-5904.	6.5	253
4	Detection of Waterborne Viruses Using High Affinity Molecularly Imprinted Polymers. Analytical Chemistry, 2015, 87, 6801-6807.	6.5	157
5	Surface plasmon resonance based immunosensor for the detection of the cancer biomarker carcinoembryonic antigen. Talanta, 2011, 86, 377-383.	5.5	143
6	Biomarkers and biosensors for the early diagnosis of lung cancer. Sensors and Actuators B: Chemical, 2013, 188, 988-998.	7.8	132
7	Detection of Salmonella typhimurium using an electrochemical immunosensor. Biosensors and Bioelectronics, 2009, 24, 2630-2636.	10.1	131
8	Development of disposable bulk-modified screen-printed electrode based on bismuth oxide for stripping chronopotentiometric analysis of lead (II) and cadmium (II) in soil and water samples. Analytica Chimica Acta, 2008, 623, 76-81.	5.4	130
9	Immunomagnetic Separation with Mediated Flow Injection Analysis Amperometric Detection of ViableEscherichia coliO157. Analytical Chemistry, 1998, 70, 2380-2386.	6.5	127
10	Biosensors developments and potential applications in the agricultural diagnosis sector. Computers and Electronics in Agriculture, 2001, 30, 205-218.	7.7	126
11	Sensitive detection of Campylobacter jejuni using nanoparticles enhanced QCM sensor. Biosensors and Bioelectronics, 2016, 78, 328-336.	10.1	124
12	Development of urease and glutamic dehydrogenase amperometric assay for heavy metals screening in polluted samples. Biosensors and Bioelectronics, 2004, 19, 1157-1167.	10.1	123
13	Real-time and sensitive detection of Salmonella Typhimurium using an automated quartz crystal microbalance (QCM) instrument with nanoparticles amplification. Talanta, 2013, 115, 761-767.	5.5	123
14	Screen-printed amperometric biosensors for the rapid measurement of L- and D-amino acids. Analyst, The, 1999, 124, 865-870.	3.5	115
15	Amperometric biosensors for detection of the prostate cancer marker (PSA). International Journal of Pharmaceutics, 2002, 238, 1-9.	5.2	106
16	Stripping chronopotentiometric measurements of lead(II) and cadmium(II) in soils extracts and wastewaters using a bismuth film screen-printed electrode assembly. Analytical and Bioanalytical Chemistry, 2004, 378, 770-775.	3.7	104
17	Development of a sensitive detection method of cancer biomarkers in human serum (75%) using a quartz crystal microbalance sensor and nanoparticles amplification system. Talanta, 2010, 82, 277-282.	5.5	102
18	Catalytic Materials, Membranes, and Fabrication Technologies Suitable for the Construction of Amperometric Biosensors. Analytical Chemistry, 1995, 67, 4594-4599.	6.5	101

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19	Cardiovascular disease detection using bio-sensing techniques. Talanta, 2014, 128, 177-186.	5.5	92
20	Development of an electrochemical immunosensor for aflatoxin M1 in milk with focus on matrix interference. Biosensors and Bioelectronics, 2009, 24, 2452-2457.	10.1	88
21	Development of surface chemistry for surface plasmon resonance based sensors for the detection of proteins and DNA molecules. Analytica Chimica Acta, 2012, 712, 138-144.	5.4	88
22	NanoMIP based optical sensor for pharmaceuticals monitoring. Sensors and Actuators B: Chemical, 2015, 213, 305-313.	7.8	84
23	Electrochemical Immunochip Sensor for Aflatoxin M₁ Detection. Analytical Chemistry, 2009, 81, 5291-5298.	6.5	79
24	SPR detection of cardiac troponin T for acute myocardial infarction. Talanta, 2016, 146, 823-830.	5.5	76
25	Synthesis of Molecularly Imprinted Polymer Nanoparticles for Î±-Casein Detection Using Surface Plasmon Resonance as a Milk Allergen Sensor. ACS Sensors, 2018, 3, 418-424.	7.8	74
26	Resolving the copper interference effect on the stripping chronopotentiometric response of lead(II) obtained at bismuth film screen-printed electrode. Talanta, 2005, 66, 1089-1093.	5.5	73
27	Comparative investigations for adenovirus recognition and quantification: Plastic or natural antibodies?. Biosensors and Bioelectronics, 2015, 74, 996-1004.	10.1	71
28	In silico designed nanoMIP based optical sensor for endotoxins monitoring. Biosensors and Bioelectronics, 2015, 67, 177-183.	10.1	71
29	An SPR based sensor for allergens detection. Biosensors and Bioelectronics, 2017, 88, 109-113.	10.1	63
30	An electrochemical sensor based on carboxymethylated dextran modified gold surface for ochratoxin A analysis. Sensors and Actuators B: Chemical, 2011, 156, 162-168.	7.8	62
31	Urease?glutamic dehydrogenase biosensor for screening heavy metals in water and soil samples. Analytical and Bioanalytical Chemistry, 2004, 380, 284-292.	3.7	61
32	Detection of the Inflammation Biomarker C-Reactive Protein in Serum Samples: Towards an Optimal Biosensor Formula. Biosensors, 2014, 4, 340-357.	4.7	60
33	Surface Plasmon Resonance Immunosensor for the Detection of Campylobacter jejuni. Chemosensors, 2017, 5, 16.	3.6	60
34	Combination of amplification and post-amplification strategies to improve optical DNA sensing. Biosensors and Bioelectronics, 2003, 19, 337-344.	10.1	57
35	Development and characterisation of disposable gold electrodes, and their use for lead(II) analysis. Analytical and Bioanalytical Chemistry, 2006, 386, 2095-2106.	3.7	53
36	Biosensors for waterborne viruses: Detection and removal. Biochimie, 2015, 115, 144-154.	2.6	53

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37	Development of a Î²-Lactoglobulin Sensor Based on SPR for Milk Allergens Detection. Biosensors, 2018, 8, 32.	4.7	53
38	Development of an Electrochemical Immunosensor for Fumonisins Detection in Foods. Toxins, 2010, 2, 382-398.	3.4	52
39	Development of a mass-producible glucose biosensor and flow-injection analysis system suitable for on-line monitoring during fermentations. Analytica Chimica Acta, 1996, 321, 165-172.	5.4	51
40	Computationally modelled receptors for drug monitoring using an optical based biomimetic SPR sensor. Sensors and Actuators B: Chemical, 2016, 224, 726-737.	7.8	50
41	Ultrasensitive detection of endotoxins using computationally designed nanoMIPs. Analytica Chimica Acta, 2016, 935, 239-248.	5.4	48
42	DNA-based biosensor platforms for the detection of TP53 mutation. Sensors and Actuators B: Chemical, 2012, 169, 188-194.	7.8	43
43	Computational Design of Peptide Ligands for Ochratoxin A. Toxins, 2013, 5, 1202-1218.	3.4	42
44	The relationship between fungal growth and ergosterol content of wheat grain. Mycological Research, 1992, 96, 965-970.	2.5	33
45	Benzene analysis in workplace air using an FIA-based bacterial biosensor. Biosensors and Bioelectronics, 2005, 20, 2089-2096.	10.1	32
46	Development of functionalized nanostructured polymeric membranes for water purification. Chemical Engineering Journal, 2016, 300, 358-366.	12.7	30
47	Development of an Immunosensor for PfHRP 2 as a Biomarker for Malaria Detection. Biosensors, 2017, 7, 28.	4.7	30
48	Monitoring of the glucose concentration during microbial fermentation using a novel mass-producible biosensor suitable for on-line use. Enzyme and Microbial Technology, 1997, 20, 590-596.	3.2	29
49	A membrane-based immunosensor for the analysis of the herbicide isoproturon. Analytica Chimica Acta, 2011, 699, 223-231.	5.4	29
50	Stripping chronopotentiometric detection of copper using screen-printed three-electrode systemâ€"application to acetic-acid bioavailable fraction from soil samples. Analytica Chimica Acta, 2003, 493, 95-104.	5.4	28
51	Molecularly Imprinted Nanoparticles Based Sensor for Cocaine Detection. Biosensors, 2020, 10, 22.	4.7	27
52	Subtractive inhibition assay for the detection of Campylobacter jejuni in chicken samples using surface plasmon resonance. Scientific Reports, 2019, 9, 13642.	3.3	26
53	L-Malic acid biosensor for field-based evaluation of apple, potato and tomato horticultural produce. Analyst, The, 2002, 127, 104-108.	3.5	22
54	Bromate analysis in groundwater and wastewater samples. Journal of Environmental Monitoring, 2005, 7, 999.	2.1	18

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55	Development of a NanoMIPs-SPR-Based Sensor for Î²-Lactoglobulin Detection. Chemosensors, 2020, 8, 94.	3.6	16
56	An Amperometric Bacterial Biosensor Based on Gold Screenâ€Printed Electrodes for the Detection of Benzene. Analytical Letters, 2006, 39, 1669-1681.	1.8	14
57	Evaluation of the potential of applying composting/bioremediation techniques to wastes generated within the construction industry. Waste Management, 2009, 29, 186-196.	7.4	13
58	An immunosensor for parasite lactate dehydrogenase detection as a malaria biomarker â€“ Comparison with commercial test kit. Talanta, 2018, 187, 321-329.	5.5	13
59	Development of cysteine-modified screen-printed electrode for the chronopotentiometric stripping analysis of cadmium(II) in wastewater and soil extracts. Analytical and Bioanalytical Chemistry, 2005, 382, 1175-1186.	3.7	12
60	Endogenous Control Genes in Prostate Cells: Evaluation of Gene Expression Using â€˜Real-Timeâ€™ Quantitative Polymerase Chain Reaction. Medical Principles and Practice, 2010, 19, 433-439.	2.4	10
61	The use of differential scanning fluorimetry in the rational design of plastic antibodies for protein targets. Analyst, The, 2016, 141, 6463-6470.	3.5	10
62	A Comparison of EIS and QCM NanoMIP-Based Sensors for Morphine. Nanomaterials, 2021, 11, 3360.	4.1	10
63	Flow Injection Analysis of Benzene Using an Amperometric Bacterial Biosensor. Analytical Letters, 2004, 37, 1515-1528.	1.8	9
64	Biosensing the Histamine Producing Potential of Bacteria in Tuna. Frontiers in Microbiology, 2019, 10, 1844.	3.5	9
65	Peptides as Molecular Receptors. , 2010, , 249-274.		8
66	Rate-Based Approach to Cleaning-in-Place. Industrial & Engineering Chemistry Research, 2017, 56, 6695-6702.	3.7	7
67	Amperometric Analysis of the Effect of Heavy Metals on the Activity of Isocitric Dehydrogenase. Analytical Letters, 2004, 37, 415-433.	1.8	6
68	Nano Molecular Imprinted Polymers (NanoMIPs) for Food Diagnostics and Sensor. , 2017, , 131-151.		5
69	Microband Sensor for As(III) Analysis: Reduced Matrix Interference. Electroanalysis, 2017, 29, 2332-2339.	2.9	3
70	A Membrane-Based ELISA Assay for the Herbicide Isoproturon in Soil Samples. Analytical Letters, 2012, 45, 99-109.	1.8	2
71	A Fibre Optic Long Period Grating Immunosensor for Campylobacter jejuni with Enhanced Sensitivity by Bacterial Staining. , 2018, , .		0