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List of Publications by Year
in descending order

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	A Comparison of EIS and QCM NanoMIP-Based Sensors for Morphine. Nanomaterials, 2021, 11, 3360.	4.1	10
2	Development of a NanoMIPs-SPR-Based Sensor for Î²-Lactoglobulin Detection. Chemosensors, 2020, 8, 94.	3.6	16
3	Molecularly Imprinted Nanoparticles Based Sensor for Cocaine Detection. Biosensors, 2020, 10, 22.	4.7	27
4	Subtractive inhibition assay for the detection of Campylobacter jejuni in chicken samples using surface plasmon resonance. Scientific Reports, 2019, 9, 13642.	3.3	26
5	Biosensing the Histamine Producing Potential of Bacteria in Tuna. Frontiers in Microbiology, 2019, 10, 1844.	3.5	9
6	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
7	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
8	Development of a Î²-Lactoglobulin Sensor Based on SPR for Milk Allergens Detection. Biosensors, 2018, 8, 32.	4.7	53
9	A Fibre Optic Long Period Grating Immunosensor for Campylobacter jejuni with Enhanced Sensitivity by Bacterial Staining. , 2018, , .		0
10	Microband Sensor for As(III) Analysis: Reduced Matrix Interference. Electroanalysis, 2017, 29, 2332-2339.	2.9	3
11	Nano Molecular Imprinted Polymers (NanoMIPs) for Food Diagnostics and Sensor. , 2017, , 131-151.		5
12	Rate-Based Approach to Cleaning-in-Place. Industrial & Engineering Chemistry Research, 2017, 56, 6695-6702.	3.7	7
13	An SPR based sensor for allergens detection. Biosensors and Bioelectronics, 2017, 88, 109-113.	10.1	63
14	Development of an Immunosensor for PfHRP 2 as a Biomarker for Malaria Detection. Biosensors, 2017, 7, 28.	4.7	30
15	Surface Plasmon Resonance Immunosensor for the Detection of Campylobacter jejuni. Chemosensors, 2017, 5, 16.	3.6	60
16	Development of functionalized nanostructured polymeric membranes for water purification. Chemical Engineering Journal, 2016, 300, 358-366.	12.7	30
17	Ultrasensitive detection of endotoxins using computationally designed nanoMIPs. Analytica Chimica Acta, 2016, 935, 239-248.	5.4	48
18	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

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19	Sensitive detection of Campylobacter jejuni using nanoparticles enhanced QCM sensor. Biosensors and Bioelectronics, 2016, 78, 328-336.	10.1	124
20	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
21	SPR detection of cardiac troponin T for acute myocardial infarction. Talanta, 2016, 146, 823-830.	5.5	76
22	Detection of Waterborne Viruses Using High Affinity Molecularly Imprinted Polymers. Analytical Chemistry, 2015, 87, 6801-6807.	6.5	157
23	Biosensors for waterborne viruses: Detection and removal. Biochimie, 2015, 115, 144-154.	2.6	53
24	NanoMIP based optical sensor for pharmaceuticals monitoring. Sensors and Actuators B: Chemical, 2015, 213, 305-313.	7.8	84
25	Comparative investigations for adenovirus recognition and quantification: Plastic or natural antibodies?. Biosensors and Bioelectronics, 2015, 74, 996-1004.	10.1	71
26	In silico designed nanoMIP based optical sensor for endotoxins monitoring. Biosensors and Bioelectronics, 2015, 67, 177-183.	10.1	71
27	Detection of the Inflammation Biomarker C-Reactive Protein in Serum Samples: Towards an Optimal Biosensor Formula. Biosensors, 2014, 4, 340-357.	4.7	60
28	Cardiovascular disease detection using bio-sensing techniques. Talanta, 2014, 128, 177-186.	5.5	92
29	Biomarkers and biosensors for the early diagnosis of lung cancer. Sensors and Actuators B: Chemical, 2013, 188, 988-998.	7.8	132
30	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
31	Computational Design of Peptide Ligands for Ochratoxin A. Toxins, 2013, 5, 1202-1218.	3.4	42
32	DNA-based biosensor platforms for the detection of TP53 mutation. Sensors and Actuators B: Chemical, 2012, 169, 188-194.	7.8	43
33	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
34	A Membrane-Based ELISA Assay for the Herbicide Isoproturon in Soil Samples. Analytical Letters, 2012, 45, 99-109.	1.8	2
35	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
36	Surface plasmon resonance based immunosensor for the detection of the cancer biomarker carcinoembryonic antigen. Talanta, 2011, 86, 377-383.	5.5	143

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37	A membrane-based immunosensor for the analysis of the herbicide isoproturon. Analytica Chimica Acta, 2011, 699, 223-231.	5.4	29
38	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
39	Peptides as Molecular Receptors. , 2010, , 249-274.		8
40	Development of an Electrochemical Immunosensor for Fumonisins Detection in Foods. Toxins, 2010, 2, 382-398.	3.4	52
41	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
42	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
43	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
44	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
45	Detection of Salmonella typhimurium using an electrochemical immunosensor. Biosensors and Bioelectronics, 2009, 24, 2630-2636.	10.1	131
46	Biosensors for cancer markers diagnosis. Seminars in Cell and Developmental Biology, 2009, 20, 55-62.	5.0	436
47	Electrochemical Immunochip Sensor for Aflatoxin M₁ Detection. Analytical Chemistry, 2009, 81, 5291-5298.	6.5	79
48	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
49	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
50	An Amperometric Bacterial Biosensor Based on Gold Screenâ€Printed Electrodes for the Detection of Benzene. Analytical Letters, 2006, 39, 1669-1681.	1.8	14
51	Benzene analysis in workplace air using an FIA-based bacterial biosensor. Biosensors and Bioelectronics, 2005, 20, 2089-2096.	10.1	32
52	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
53	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
54	Bromate analysis in groundwater and wastewater samples. Journal of Environmental Monitoring, 2005, 7, 999.	2.1	18

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55	Amperometric Analysis of the Effect of Heavy Metals on the Activity of Isocitric Dehydrogenase. Analytical Letters, 2004, 37, 415-433.	1.8	6
56	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
57	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
58	Urease?glutamic dehydrogenase biosensor for screening heavy metals in water and soil samples. Analytical and Bioanalytical Chemistry, 2004, 380, 284-292.	3.7	61
59	Flow Injection Analysis of Benzene Using an Amperometric Bacterial Biosensor. Analytical Letters, 2004, 37, 1515-1528.	1.8	9
60	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
61	Combination of amplification and post-amplification strategies to improve optical DNA sensing. Biosensors and Bioelectronics, 2003, 19, 337-344.	10.1	57
62	Rational Design of a Polymer Specific for Microcystin-LR Using a Computational Approach. Analytical Chemistry, 2002, 74, 1288-1293.	6.5	284
63	L-Malic acid biosensor for field-based evaluation of apple, potato and tomato horticultural produce. Analyst, The, 2002, 127, 104-108.	3.5	22
64	Amperometric biosensors for detection of the prostate cancer marker (PSA). International Journal of Pharmaceutics, 2002, 238, 1-9.	5.2	106
65	Biosensors developments and potential applications in the agricultural diagnosis sector. Computers and Electronics in Agriculture, 2001, 30, 205-218.	7.7	126
66	Screen-printed amperometric biosensors for the rapid measurement of L- and D-amino acids. Analyst, The, 1999, 124, 865-870.	3.5	115
67	Immunomagnetic Separation with Mediated Flow Injection Analysis Amperometric Detection of ViableEscherichia coliO157. Analytical Chemistry, 1998, 70, 2380-2386.	6.5	127
68	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
69	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
70	Catalytic Materials, Membranes, and Fabrication Technologies Suitable for the Construction of Amperometric Biosensors. Analytical Chemistry, 1995, 67, 4594-4599.	6.5	101
71	The relationship between fungal growth and ergosterol content of wheat grain. Mycological Research, 1992, 96, 965-970.	2.5	33