M AsunciÃ³n Alonso-Lomillo

List of Publications by Year
in descending order

71 papers	2,851 citations	159585 30 h-index	175258 52 g-index
71 all docs	71 docs citations	71 times ranked	3271 citing authors

#	Article	IF	Citations
1	4-ethyphenol detection in wine by fullerene modified screen-printed carbon electrodes. Microchemical Journal, 2022, 180, 107599.	4.5	8
2	Electrochemical Detection of Mercaptans in Wine Using Gold Nanoparticle-Modified Carbon Electrodes. Journal of the Electrochemical Society, 2021, 168, 086509.	2.9	9
3	Molecularly imprinted polypyrrole based electrochemical sensor for selective determination of 4-ethylphenol. Talanta, 2020, 207, 120351.	5.5	30
4	Determination of aluminium using different techniques based on the Al(III)-morin complex. Talanta, 2019, 196, 131-136.	5.5	27
5	Determination of ascorbic acid in serum samples by screen-printed carbon electrodes modified with gold nanoparticles. Talanta, 2017, 174, 733-737.	5.5	45
6	Electrochemical Oxidation of the Antiretroviral Drug Nelfinavir on Modified Screenâ€printed Electrodes. Electroanalysis, 2016, 28, 2081-2086.	2.9	2
7	Tyrosinase based biosensor for the electrochemical determination of sulfamethoxazole. Sensors and Actuators B: Chemical, 2016, 227, 48-53.	7.8	39
8	Dual enzymatic biosensor for simultaneous amperometric determination of histamine and putrescine. Food Chemistry, 2016, 190, 818-823.	8.2	68
9	Characterization of a Disposable Electrochemical Biosensor Based on Putrescine Oxidase from Micrococcus rubens for the Determination of Putrescine. Electroanalysis, 2015, 27, 368-377.	2.9	9
10	Simultaneous amperometric determination of malic and gluconic acids in wine using screen-printed carbon electrodes. Sensors and Actuators B: Chemical, 2015, 211, 250-254.	7.8	8
11	Disposable immunosensor for human cytomegalovirus glycoprotein B detection. Talanta, 2015, 136, 42-46.	5.5	10
12	Resolution of quaternary mixtures of cadaverine, histamine, putrescine and tyramine by the square wave voltammetry and partial least squares method. Talanta, 2015, 143, 97-100.	5.5	27
13	A Chronoamperometric Screen Printed Carbon Biosensor Based on Alkaline Phosphatase Inhibition for W(VI) Determination in Water, Using 2-Phospho-l-Ascorbic Acid Trisodium Salt as a Substrate. Sensors, 2015, 15, 2232-2243.	3.8	13
14	Dual Biosensing Device for the Speciation of Arsenic. Electroanalysis, 2015, 27, 302-308.	2.9	9
15	Acetylcholinesterase Inhibition-Based Biosensor for Aluminum(III) Chronoamperometric Determination in Aqueous Media. Sensors, 2014, 14, 8203-8216.	3.8	14
16	A Disposable Alkaline Phosphatase-Based Biosensor for Vanadium Chronoamperometric Determination. Sensors, 2014, 14, 3756-3767.	3.8	10
17	GADH screen-printed biosensor for gluconic acid determination in wine samples. Sensors and Actuators B: Chemical, 2014, 192, 56-59.	7.8	11
18	Speciation of chromium using chronoamperometric biosensors based on screen-printed electrodes. Analytica Chimica Acta, 2014, 833, 15-21.	5.4	28

#	Article	IF	Citations
19	Malate quinone oxidoreductase biosensors based on tetrathiafulvalene and gold nanoparticles modified screen-printed carbon electrodes for malic acid determination in wine. Sensors and Actuators B: Chemical, 2014, 202, 971-975.	7.8	23
20	Sensitive and selective cocaine electrochemical detection using disposable sensors. Analytica Chimica Acta, 2014, 834, 30-36.	5.4	60
21	Cytochrome P450 2D6 based electrochemical sensor for the determination of codeine. Talanta, 2014, 129, 315-319.	5.5	19
22	Sulfite oxidase biosensors based on tetrathiafulvalene modified screen-printed carbon electrodes for sulfite determination in wine. Analytica Chimica Acta, 2014, 812, 41-44.	5.4	39
23	Determination of Metals Based on Electrochemical Biosensors. Critical Reviews in Environmental Science and Technology, 2013, 43, 1042-1073.	12.8	21
24	Amperometric determination of sulfite using screen-printed electrodes modified with metallic nanoparticles. Mikrochimica Acta, 2013, 180, 1351-1355.	5.0	26
25	A screen-printed disposable biosensor for selective determination of putrescine. Mikrochimica Acta, 2013, 180, 687-693.	5.0	25
26	Disposable amperometric biosensor for the determination of tyramine using plasma amino oxidase. Mikrochimica Acta, 2013, 180, 253-259.	5.0	31
27	Gluconic acid determination in wine by electrochemical biosensing. Sensors and Actuators B: Chemical, 2013, 176, 858-862.	7.8	28
28	Electrochemical determination of cocaine using screen-printed cytochrome P450 2B4 based biosensors. Talanta, 2013, 105, 131-134.	5.5	40
29	Screen-printed biosensor based on the inhibition of the acetylcholinesterase activity for the determination of codeine. Talanta, 2013, 111, 8-12.	5.5	30
30	Vanadium determination in water using alkaline phosphatase based screen-printed carbon electrodes modified with gold nanoparticles. Journal of Electroanalytical Chemistry, 2013, 693, 51-55.	3.8	14
31	Simultaneous determination of cadaverine and putrescine using a disposable monoamine oxidase based biosensor. Talanta, 2013, 117, 405-411.	5.5	50
32	Disposable Horseradish Peroxidase Biosensors for the Selective Determination of Tyramine. Electroanalysis, 2013, 25, 1316-1322.	2.9	7
33	Thick-film voltammetric pH-sensors with internal indicator and reference species. Talanta, 2012, 99, 737-743.	5.5	10
34	Biosensor for aluminium(III) based on its inhibition of Î±-chymotrypsin immobilized on a screen-printed carbon electrode modified with gold nanoparticles. Mikrochimica Acta, 2012, 179, 65-70.	5.0	9
35	Screen-printed acetylcholinesterase-based biosensors for inhibitive determination of permethrin. Science of the Total Environment, 2012, 426, 346-350.	8.0	18
36	Fabrication and characterization of disposable sensors and biosensors for detection of formaldehyde. Talanta, 2011, 86, 324-328.	5.5	29

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37	Disposable Miniaturized Screenâ€Printed pH and Reference Electrodes for Potentiometric Systems. Electroanalysis, 2011, 23, 115-121.	2.9	16
38	CYP450 biosensors based on screen-printed carbon electrodes for the determination of cocaine. Analytica Chimica Acta, 2011, 685, 15-20.	5.4	42
39	Horseradish peroxidase-screen printed biosensors for determination of Ochratoxin A. Analytica Chimica Acta, 2011, 688, 49-53.	5.4	42
40	Disposable biosensors for determination of biogenic amines. Analytica Chimica Acta, 2010, 665, 26-31.	5.4	112
41	Sensitive enzyme-biosensor based on screen-printed electrodes for Ochratoxin A. Biosensors and Bioelectronics, 2010, 25, 1333-1337.	10.1	71
42	Simultaneous Determination of Cr(III) and Cr(VI) by Differential Pulse Voltammetry Using Modified Screenâ€Printed Carbon Electrodes in Array Mode. Electroanalysis, 2010, 22, 2924-2930.	2.9	17
43	Oxcarbazepine Analysis by Adsorptive Stripping Voltammetry Using Silver Nanoparticle-Modified Carbon Screen-Printed Electrodes. Sensor Letters, 2010, 8, 268-272.	0.4	6
44	Screen-printed biosensors in microbiology; a review. Talanta, 2010, 82, 1629-1636.	5.5	136
45	Electrochemical Sensors in the Development of Selective Methods for Antiepileptic Drugs Determination. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 650-657.	1.1	6
46	Early determination of cystic fibrosis by electrochemical chloride quantification in sweat. Biosensors and Bioelectronics, 2009, 24, 1788-1791.	10.1	92
47	Horseradish peroxidase covalent grafting onto screen-printed carbon electrodes for levetiracetam chronoamperometric determination. Analytical Biochemistry, 2009, 395, 86-90.	2.4	37
48	CYP450 2B4 covalently attached to carbon and gold screen printed electrodes by diazonium salt and thiols monolayers. Analytica Chimica Acta, 2009, 633, 51-56.	5.4	67
49	Electrochemical determination of levetiracetam by screen-printed based biosensors. Bioelectrochemistry, 2009, 74, 306-309.	4.6	43
50	Development of urease based amperometric biosensors for the inhibitive determination of Hg (II). Talanta, 2009, 79, 1306-1310.	5.5	54
51	Electrochemical Methods of Carbamazepine Determination. Sensor Letters, 2009, 7, 586-591.	0.4	14
52	CYP450 biosensors based on gold chips for antiepileptic drugs determination. Biosensors and Bioelectronics, 2008, 23, 1733-1737.	10.1	29
53	EIS multianalyte sensing with an automated SIA systemâ€"An electronic tongue employing the impedimetric signal. Talanta, 2007, 72, 774-779.	5.5	41
54	Recent developments in the field of screen-printed electrodes and their related applications. Talanta, 2007, 73, 202-219.	5.5	541

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55	Screen-printed biosensors for glucose determination in grape juice. Biosensors and Bioelectronics, 2007, 22, 1517-1521.	10.1	44
56	Characterization of an ion-selective polypyrrole coating and application to the joint determination of potassium, sodium and ammonium by electrochemical impedance spectroscopy and partial least squares method. Analytica Chimica Acta, 2007, 597, 231-237.	5.4	31
57	Hydrogenase-Coated Carbon Nanotubes for Efficient H2 Oxidation. Nano Letters, 2007, 7, 1603-1608.	9.1	177
58	Integrated Bienzyme Chip for Ethanol Monitoring. Electroanalysis, 2006, 18, 1231-1234.	2.9	5
59	Preliminary Contribution to the Quantification of HMF in Honey by Electrochemical Biosensor Chips. Electroanalysis, 2006, 18, 2435-2440.	2.9	7
60	Biosensor based on platinum chips for glucose determination. Analytica Chimica Acta, 2005, 547, 209-214.	5.4	51
61	Optimization of a cyclodextrin-based sensor for rifampicin monitoring. Electrochimica Acta, 2005, 50, 1807-1811.	5.2	26
62	Resolution of Binary Mixtures of Rifamycin SV and Rifampicin by UV/VIS Spectroscopy and Partial Least-Squares Method (PLS). Chemistry and Biodiversity, 2004, 1, 1336-1343.	2.1	10
63	Application of an optimization procedure in adsorptive stripping voltammetry for the determination of trace contaminant metals in aqueous medium. Analytica Chimica Acta, 2004, 511, 223-229.	5.4	25
64	Optimisation procedure for the inhibitive determination of chromium(III) using an amperometric tyrosinase biosensor. Analytica Chimica Acta, 2004, 521, 215-221.	5.4	40
65	Determination of gallium by adsorptive stripping voltammetry. Talanta, 2004, 62, 457-462.	5.5	31
66	HRP-based biosensor for monitoring rifampicin. Biosensors and Bioelectronics, 2003, 18, 1165-1171.	10.1	50
67	Optimization of the Experimental Parameters in the Determination of Rifampicin by Adsorptive Stripping Voltammetry. Electroanalysis, 2002, 14, 634.	2.9	26
68	Application of an Optimization Procedure in Adsorptive Stripping Voltammetry for the Determination of Chromium with Ammonium Pyrrolidine Dithiocarbamate. Electroanalysis, 2002, 14, 1083-1089.	2.9	21
69	Application of an Optimization Procedure for the Determination of Chromium in Various Water Types by Catalytic-Adsorptive Stripping Voltammetry. Electroanalysis, 2001, 13, 1505-1512.	2.9	18
70	Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method. Analytica Chimica Acta, 2001, 449, 167-177.	5.4	57
71	Optimization of the experimental parameters in the determination of rifamycin SV by adsorptive stripping voltammetry. Analytica Chimica Acta, 2000, 405, 123-133.	5.4	20