

M Asuncin Alonso-Lomillo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	2,382 citations	28 h-index	46 g-index
71 ext. papers	2,587 ext. citations	5.9 avg, IF	4.99 L-index

#	Paper	IF	Citations
71	4-ethylphenol detection in wine by fullerene modified screen-printed carbon electrodes. <i>Microchemical Journal</i> , 2022 , 107599	4.8	0
70	Electrochemical Detection of Mercaptans in Wine Using Gold Nanoparticle-Modified Carbon Electrodes. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 086509	3.9	1
69	Molecularly imprinted polypyrrole based electrochemical sensor for selective determination of 4-ethylphenol. <i>Talanta</i> , 2020 , 207, 120351	6.2	13
68	Determination of aluminium using different techniques based on the Al(III)-morin complex. <i>Talanta</i> , 2019 , 196, 131-136	6.2	18
67	Determination of ascorbic acid in serum samples by screen-printed carbon electrodes modified with gold nanoparticles. <i>Talanta</i> , 2017 , 174, 733-737	6.2	28
66	Dual enzymatic biosensor for simultaneous amperometric determination of histamine and putrescine. <i>Food Chemistry</i> , 2016 , 190, 818-823	8.5	58
65	Tyrosinase based biosensor for the electrochemical determination of sulfamethoxazole. <i>Sensors and Actuators B: Chemical</i> , 2016 , 227, 48-53	8.5	30
64	Electrochemical Oxidation of the Antiretroviral Drug Nelfinavir on Modified Screen-printed Electrodes. <i>Electroanalysis</i> , 2016 , 28, 2081-2086	3	1
63	Resolution of quaternary mixtures of cadaverine, histamine, putrescine and tyramine by the square wave voltammetry and partial least squares method. <i>Talanta</i> , 2015 , 143, 97-100	6.2	24
62	A chronoamperometric screen printed carbon biosensor based on alkaline phosphatase inhibition for W(IV) determination in water, using 2-phospho-L-ascorbic acid trisodium salt as a substrate. <i>Sensors</i> , 2015 , 15, 2232-43	3.8	11
61	Dual Biosensing Device for the Speciation of Arsenic. <i>Electroanalysis</i> , 2015 , 27, 302-308	3	7
60	Characterization of a Disposable Electrochemical Biosensor Based on Putrescine Oxidase from <i>Micrococcus rubens</i> for the Determination of Putrescine. <i>Electroanalysis</i> , 2015 , 27, 368-377	3	7
59	Simultaneous amperometric determination of malic and gluconic acids in wine using screen-printed carbon electrodes. <i>Sensors and Actuators B: Chemical</i> , 2015 , 211, 250-254	8.5	7
58	Disposable immunosensor for human cytomegalovirus glycoprotein B detection. <i>Talanta</i> , 2015 , 136, 42-6	6.2	7
57	GADH screen-printed biosensor for gluconic acid determination in wine samples. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 56-59	8.5	9
56	Speciation of chromium using chronoamperometric biosensors based on screen-printed electrodes. <i>Analytica Chimica Acta</i> , 2014 , 833, 15-21	6.6	23
55	Malate quinone oxidoreductase biosensors based on tetrathiafulvalene and gold nanoparticles modified screen-printed carbon electrodes for malic acid determination in wine. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 971-975	8.5	19

54	Sensitive and selective cocaine electrochemical detection using disposable sensors. <i>Analytica Chimica Acta</i> , 2014 , 834, 30-6	6.6	47
53	Cytochrome P450 2D6 based electrochemical sensor for the determination of codeine. <i>Talanta</i> , 2014 , 129, 315-9	6.2	16
52	Sulfite oxidase biosensors based on tetrathiafulvalene modified screen-printed carbon electrodes for sulfite determination in wine. <i>Analytica Chimica Acta</i> , 2014 , 812, 41-4	6.6	32
51	Acetylcholinesterase inhibition-based biosensor for aluminum(III) chronoamperometric determination in aqueous media. <i>Sensors</i> , 2014 , 14, 8203-16	3.8	12
50	A disposable alkaline phosphatase-based biosensor for vanadium chronoamperometric determination. <i>Sensors</i> , 2014 , 14, 3756-67	3.8	8
49	Determination of Metals Based on Electrochemical Biosensors. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 1042-1073	11.1	16
48	Amperometric determination of sulfite using screen-printed electrodes modified with metallic nanoparticles. <i>Mikrochimica Acta</i> , 2013 , 180, 1351-1355	5.8	23
47	A screen-printed disposable biosensor for selective determination of putrescine. <i>Mikrochimica Acta</i> , 2013 , 180, 687-693	5.8	23
46	Disposable amperometric biosensor for the determination of tyramine using plasma amino oxidase. <i>Mikrochimica Acta</i> , 2013 , 180, 253-259	5.8	29
45	Gluconic acid determination in wine by electrochemical biosensing. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 858-862	8.5	26
44	Electrochemical determination of cocaine using screen-printed cytochrome P450 2B4 based biosensors. <i>Talanta</i> , 2013 , 105, 131-4	6.2	32
43	Screen-printed biosensor based on the inhibition of the acetylcholinesterase activity for the determination of codeine. <i>Talanta</i> , 2013 , 111, 8-12	6.2	24
42	Vanadium determination in water using alkaline phosphatase based screen-printed carbon electrodes modified with gold nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 693, 51-55	4.1	14
41	Simultaneous determination of cadaverine and putrescine using a disposable monoamine oxidase based biosensor. <i>Talanta</i> , 2013 , 117, 405-11	6.2	39
40	Disposable Horseradish Peroxidase Biosensors for the Selective Determination of Tyramine. <i>Electroanalysis</i> , 2013 , 25, 1316-1322	3	6
39	Screen-printed acetylcholinesterase-based biosensors for inhibitive determination of permethrin. <i>Science of the Total Environment</i> , 2012 , 426, 346-50	10.2	16
38	Thick-film voltammetric pH-sensors with internal indicator and reference species. <i>Talanta</i> , 2012 , 99, 737-43	4.3	10
37	Biosensor for aluminium(III) based on its inhibition of Echymotrypsin immobilized on a screen-printed carbon electrode modified with gold nanoparticles. <i>Mikrochimica Acta</i> , 2012 , 179, 65-70	5.8	7

36	Fabrication and characterization of disposable sensors and biosensors for detection of formaldehyde. <i>Talanta</i> , 2011 , 86, 324-8	6.2	22
35	Disposable Miniaturized Screen-Printed pH and Reference Electrodes for Potentiometric Systems. <i>Electroanalysis</i> , 2011 , 23, 115-121	3	16
34	CYP450 biosensors based on screen-printed carbon electrodes for the determination of cocaine. <i>Analytica Chimica Acta</i> , 2011 , 685, 15-20	6.6	35
33	Horseradish peroxidase-screen printed biosensors for determination of Ochratoxin A. <i>Analytica Chimica Acta</i> , 2011 , 688, 49-53	6.6	40
32	Oxcarbazepine Analysis by Adsorptive Stripping Voltammetry Using Silver Nanoparticle-Modified Carbon Screen-Printed Electrodes. <i>Sensor Letters</i> , 2010 , 8, 268-272	0.9	6
31	Screen-printed biosensors in microbiology; a review. <i>Talanta</i> , 2010 , 82, 1629-36	6.2	120
30	Disposable biosensors for determination of biogenic amines. <i>Analytica Chimica Acta</i> , 2010 , 665, 26-31	6.6	100
29	Sensitive enzyme-biosensor based on screen-printed electrodes for Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1333-7	11.8	63
28	Simultaneous Determination of Cr(III) and Cr(VI) by Differential Pulse Voltammetry Using Modified Screen-Printed Carbon Electrodes in Array Mode. <i>Electroanalysis</i> , 2010 , 22, 2924-2930	3	14
27	Electrochemical sensors in the development of selective methods for antiepileptic drugs determination. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010 , 13, 650-7	1.3	5
26	Early determination of cystic fibrosis by electrochemical chloride quantification in sweat. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1788-91	11.8	76
25	Horseradish peroxidase covalent grafting onto screen-printed carbon electrodes for levetiracetam chronoamperometric determination. <i>Analytical Biochemistry</i> , 2009 , 395, 86-90	3.1	30
24	CYP450 2B4 covalently attached to carbon and gold screen printed electrodes by diazonium salt and thiols monolayers. <i>Analytica Chimica Acta</i> , 2009 , 633, 51-6	6.6	59
23	Electrochemical determination of levetiracetam by screen-printed based biosensors. <i>Bioelectrochemistry</i> , 2009 , 74, 306-9	5.6	33
22	Development of urease based amperometric biosensors for the inhibitive determination of Hg (II). <i>Talanta</i> , 2009 , 79, 1306-10	6.2	45
21	Electrochemical Methods of Carbamazepine Determination. <i>Sensor Letters</i> , 2009 , 7, 586-591	0.9	10
20	CYP450 biosensors based on gold chips for antiepileptic drugs determination. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1733-7	11.8	26
19	Screen-printed biosensors for glucose determination in grape juice. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1517-21	11.8	38

18	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. <i>Analytica Chimica Acta</i> , 2007 , 597, 231-7	6.6	28
17	Hydrogenase-coated carbon nanotubes for efficient H ₂ oxidation. <i>Nano Letters</i> , 2007 , 7, 1603-8	11.5	158
16	EIS multianalyte sensing with an automated SIA system-An electronic tongue employing the impedimetric signal. <i>Talanta</i> , 2007 , 72, 774-9	6.2	38
15	Recent developments in the field of screen-printed electrodes and their related applications. <i>Talanta</i> , 2007 , 73, 202-19	6.2	453
14	Integrated Bienzyme Chip for Ethanol Monitoring. <i>Electroanalysis</i> , 2006 , 18, 1231-1234	3	4
13	Preliminary Contribution to the Quantification of HMF in Honey by Electrochemical Biosensor Chips. <i>Electroanalysis</i> , 2006 , 18, 2435-2440	3	3
12	Biosensor based on platinum chips for glucose determination. <i>Analytica Chimica Acta</i> , 2005 , 547, 209-214	6.6	48
11	Optimization of a cyclodextrin-based sensor for rifampicin monitoring. <i>Electrochimica Acta</i> , 2005 , 50, 1807-1811	6.7	18
10	Resolution of binary mixtures of rifamycin SV and rifampicin by UV/VIS spectroscopy and partial least-squares method (PLS). <i>Chemistry and Biodiversity</i> , 2004 , 1, 1336-43	2.5	8
9	Application of an optimization procedure in adsorptive stripping voltammetry for the determination of trace contaminant metals in aqueous medium. <i>Analytica Chimica Acta</i> , 2004 , 511, 223-229	6.6	22
8	Optimisation procedure for the inhibitive determination of chromium(III) using an amperometric tyrosinase biosensor. <i>Analytica Chimica Acta</i> , 2004 , 521, 215-221	6.6	34
7	Determination of gallium by adsorptive stripping voltammetry. <i>Talanta</i> , 2004 , 62, 457-62	6.2	28
6	HRP-based biosensor for monitoring rifampicin. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 1165-71	11.8	42
5	Optimization of the Experimental Parameters in the Determination of Rifampicin by Adsorptive Stripping Voltammetry. <i>Electroanalysis</i> , 2002 , 14, 634	3	22
4	Application of an Optimization Procedure in Adsorptive Stripping Voltammetry for the Determination of Chromium with Ammonium Pyrrolidine Dithiocarbamate. <i>Electroanalysis</i> , 2002 , 14, 1083-1089	3	20
3	Application of an Optimization Procedure for the Determination of Chromium in Various Water Types by Catalytic-Adsorptive Stripping Voltammetry. <i>Electroanalysis</i> , 2001 , 13, 1505-1512	3	16
2	Resolution of ternary mixtures of rifampicin, isoniazid and pyrazinamide by differential pulse polarography and partial least squares method. <i>Analytica Chimica Acta</i> , 2001 , 449, 167-177	6.6	46
1	Optimization of the experimental parameters in the determination of rifamycin SV by adsorptive stripping voltammetry. <i>Analytica Chimica Acta</i> , 2000 , 405, 123-133	6.6	13

