

M Asuncin Alonso-Lomillo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5131092/m-asuncion-alonso-lomillo-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	Recent developments in the field of screen-printed electrodes and their related applications. <i>Talanta</i> , 2007 , 73, 202-19	6.2	453
70	Hydrogenase-coated carbon nanotubes for efficient H ₂ oxidation. <i>Nano Letters</i> , 2007 , 7, 1603-8	11.5	158
69	Screen-printed biosensors in microbiology; a review. <i>Talanta</i> , 2010 , 82, 1629-36	6.2	120
68	Disposable biosensors for determination of biogenic amines. <i>Analytica Chimica Acta</i> , 2010 , 665, 26-31	6.6	100
67	Early determination of cystic fibrosis by electrochemical chloride quantification in sweat. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1788-91	11.8	76
66	Sensitive enzyme-biosensor based on screen-printed electrodes for Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1333-7	11.8	63
65	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
64	Dual enzymatic biosensor for simultaneous amperometric determination of histamine and putrescine. <i>Food Chemistry</i> , 2016 , 190, 818-823	8.5	58
63	Biosensor based on platinum chips for glucose determination. <i>Analytica Chimica Acta</i> , 2005 , 547, 209-214	6.6	48
62	Sensitive and selective cocaine electrochemical detection using disposable sensors. <i>Analytica Chimica Acta</i> , 2014 , 834, 30-6	6.6	47
61	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
60	Development of urease based amperometric biosensors for the inhibitive determination of Hg (II). <i>Talanta</i> , 2009 , 79, 1306-10	6.2	45
59	HRP-based biosensor for monitoring rifampicin. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 1165-71	11.8	42
58	Horseradish peroxidase-screen printed biosensors for determination of Ochratoxin A. <i>Analytica Chimica Acta</i> , 2011 , 688, 49-53	6.6	40
57	Simultaneous determination of cadaverine and putrescine using a disposable monoamine oxidase based biosensor. <i>Talanta</i> , 2013 , 117, 405-11	6.2	39
56	Screen-printed biosensors for glucose determination in grape juice. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1517-21	11.8	38
55	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

54	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
53	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
52	Electrochemical determination of levetiracetam by screen-printed based biosensors. <i>Bioelectrochemistry</i> , 2009 , 74, 306-9	5.6	33
51	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
50	Electrochemical determination of cocaine using screen-printed cytochrome P450 2B4 based biosensors. <i>Talanta</i> , 2013 , 105, 131-4	6.2	32
49	Tyrosinase based biosensor for the electrochemical determination of sulfamethoxazole. <i>Sensors and Actuators B: Chemical</i> , 2016 , 227, 48-53	8.5	30
48	Horseradish peroxidase covalent grafting onto screen-printed carbon electrodes for levetiracetam chronoamperometric determination. <i>Analytical Biochemistry</i> , 2009 , 395, 86-90	3.1	30
47	Disposable amperometric biosensor for the determination of tyramine using plasma amino oxidase. <i>Mikrochimica Acta</i> , 2013 , 180, 253-259	5.8	29
46	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
45	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
44	Determination of gallium by adsorptive stripping voltammetry. <i>Talanta</i> , 2004 , 62, 457-62	6.2	28
43	Gluconic acid determination in wine by electrochemical biosensing. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 858-862	8.5	26
42	CYP450 biosensors based on gold chips for antiepileptic drugs determination. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1733-7	11.8	26
41	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
40	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
39	Speciation of chromium using chronoamperometric biosensors based on screen-printed electrodes. <i>Analytica Chimica Acta</i> , 2014 , 833, 15-21	6.6	23
38	Amperometric determination of sulfite using screen-printed electrodes modified with metallic nanoparticles. <i>Mikrochimica Acta</i> , 2013 , 180, 1351-1355	5.8	23
37	A screen-printed disposable biosensor for selective determination of putrescine. <i>Mikrochimica Acta</i> , 2013 , 180, 687-693	5.8	23

36	Fabrication and characterization of disposable sensors and biosensors for detection of formaldehyde. <i>Talanta</i> , 2011 , 86, 324-8	6.2	22
35	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
34	Optimization of the Experimental Parameters in the Determination of Rifampicin by Adsorptive Stripping Voltammetry. <i>Electroanalysis</i> , 2002 , 14, 634	3	22
33	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
32	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
31	Optimization of a cyclodextrin-based sensor for rifampicin monitoring. <i>Electrochimica Acta</i> , 2005 , 50, 1807-1811	6.7	18
30	Determination of aluminium using different techniques based on the Al(III)-morin complex. <i>Talanta</i> , 2019 , 196, 131-136	6.2	18
29	Cytochrome P450 2D6 based electrochemical sensor for the determination of codeine. <i>Talanta</i> , 2014 , 129, 315-9	6.2	16
28	Screen-printed acetylcholinesterase-based biosensors for inhibitive determination of permethrin. <i>Science of the Total Environment</i> , 2012 , 426, 346-50	10.2	16
27	Determination of Metals Based on Electrochemical Biosensors. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 1042-1073	11.1	16
26	Disposable Miniaturized Screen-Printed pH and Reference Electrodes for Potentiometric Systems. <i>Electroanalysis</i> , 2011 , 23, 115-121	3	16
25	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
24	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
23	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
22	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
21	Molecularly imprinted polypyrrole based electrochemical sensor for selective determination of 4-ethylphenol. <i>Talanta</i> , 2020 , 207, 120351	6.2	13
20	Acetylcholinesterase inhibition-based biosensor for aluminum(III) chronoamperometric determination in aqueous media. <i>Sensors</i> , 2014 , 14, 8203-16	3.8	12
19	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

18	Thick-film voltammetric pH-sensors with internal indicator and reference species. <i>Talanta</i> , 2012 , 99, 737-743	4.3	10
17	Electrochemical Methods of Carbamazepine Determination. <i>Sensor Letters</i> , 2009 , 7, 586-591	0.9	10
16	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
15	A disposable alkaline phosphatase-based biosensor for vanadium chronoamperometric determination. <i>Sensors</i> , 2014 , 14, 3756-67	3.8	8
14	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
13	Dual Biosensing Device for the Speciation of Arsenic. <i>Electroanalysis</i> , 2015 , 27, 302-308	3	7
12	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
11	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
10	Disposable immunosensor for human cytomegalovirus glycoprotein B detection. <i>Talanta</i> , 2015 , 136, 42-6	6.2	7
9	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
8	Disposable Horseradish Peroxidase Biosensors for the Selective Determination of Tyramine. <i>Electroanalysis</i> , 2013 , 25, 1316-1322	3	6
7	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
6	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
5	Integrated Bienenzyme Chip for Ethanol Monitoring. <i>Electroanalysis</i> , 2006 , 18, 1231-1234	3	4
4	Preliminary Contribution to the Quantification of HMF in Honey by Electrochemical Biosensor Chips. <i>Electroanalysis</i> , 2006 , 18, 2435-2440	3	3
3	Electrochemical Oxidation of the Antiretroviral Drug Nelfinavir on Modified Screen-printed Electrodes. <i>Electroanalysis</i> , 2016 , 28, 2081-2086	3	1
2	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
1	4-ethyphenol detection in wine by fullerene modified screen-printed carbon electrodes. <i>Microchemical Journal</i> , 2022 , 107599	4.8	0

