

# Olga Domnguez-Renedo

## List of Publications by Citations

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64

papers

2,245

citations

26

h-index

46

g-index

64

ext. papers

2,438

ext. citations

5.5

avg, IF

5.05

L-index

#	Paper	IF	Citations
64	Recent developments in the field of screen-printed electrodes and their related applications. <i>Talanta</i> , <b>2007</b> , 73, 202-19	6.2	453
63	Screen-printed biosensors in microbiology; a review. <i>Talanta</i> , <b>2010</b> , 82, 1629-36	6.2	120
62	Disposable biosensors for determination of biogenic amines. <i>Analytica Chimica Acta</i> , <b>2010</b> , 665, 26-31	6.6	100
61	Electrochemical determination of chromium(VI) using metallic nanoparticle-modified carbon screen-printed electrodes. <i>Talanta</i> , <b>2008</b> , 76, 854-8	6.2	91
60	Anodic stripping voltammetry of antimony using gold nanoparticle-modified carbon screen-printed electrodes. <i>Analytica Chimica Acta</i> , <b>2007</b> , 589, 255-60	6.6	79
59	Determination of Arsenic(III) Using Platinum Nanoparticle-Modified Screen-Printed Carbon-Based Electrodes. <i>Electroanalysis</i> , <b>2009</b> , 21, 635-639	3	65
58	Sensitive enzyme-biosensor based on screen-printed electrodes for Ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1333-7	11.8	63
57	CYP450 2B4 covalently attached to carbon and gold screen printed electrodes by diazonium salt and thiols monolayers. <i>Analytica Chimica Acta</i> , <b>2009</b> , 633, 51-6	6.6	59
56	Dual enzymatic biosensor for simultaneous amperometric determination of histamine and putrescine. <i>Food Chemistry</i> , <b>2016</b> , 190, 818-823	8.5	58
55	Determination of lamotrigine by adsorptive stripping voltammetry using silver nanoparticle-modified carbon screen-printed electrodes. <i>Talanta</i> , <b>2007</b> , 74, 59-64	6.2	56
54	Immobilization of acetylcholinesterase on screen-printed electrodes. Application to the determination of arsenic(III). <i>Sensors</i> , <b>2010</b> , 10, 2119-28	3.8	49
53	Sensitive and selective cocaine electrochemical detection using disposable sensors. <i>Analytica Chimica Acta</i> , <b>2014</b> , 834, 30-6	6.6	47
52	Development of urease based amperometric biosensors for the inhibitive determination of Hg (II). <i>Talanta</i> , <b>2009</b> , 79, 1306-10	6.2	45
51	Speciation of antimony by adsorptive stripping voltammetry using pyrogallol. <i>Talanta</i> , <b>2007</b> , 71, 691-8	6.2	41
50	Horseradish peroxidase-screen printed biosensors for determination of Ochratoxin A. <i>Analytica Chimica Acta</i> , <b>2011</b> , 688, 49-53	6.6	40
49	Simultaneous determination of cadaverine and putrescine using a disposable monoamine oxidase based biosensor. <i>Talanta</i> , <b>2013</b> , 117, 405-11	6.2	39
48	CYP450 biosensors based on screen-printed carbon electrodes for the determination of cocaine. <i>Analytica Chimica Acta</i> , <b>2011</b> , 685, 15-20	6.6	35

47	Electrochemical determination of levetiracetam by screen-printed based biosensors. <i>Bioelectrochemistry</i> , <b>2009</b> , 74, 306-9	5.6	33
46	Sulfite oxidase biosensors based on tetrathiafulvalene modified screen-printed carbon electrodes for sulfite determination in wine. <i>Analytica Chimica Acta</i> , <b>2014</b> , 812, 41-4	6.6	32
45	Electrochemical determination of cocaine using screen-printed cytochrome P450 2B4 based biosensors. <i>Talanta</i> , <b>2013</b> , 105, 131-4	6.2	32
44	Determination of Antimony (III) in Real Samples by Anodic Stripping Voltammetry Using a Mercury Film Screen-Printed Electrode. <i>Sensors</i> , <b>2009</b> , 9, 219-31	3.8	32
43	Tyrosinase based biosensor for the electrochemical determination of sulfamethoxazole. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 227, 48-53	8.5	30
42	Horseradish peroxidase covalent grafting onto screen-printed carbon electrodes for levetiracetam chronoamperometric determination. <i>Analytical Biochemistry</i> , <b>2009</b> , 395, 86-90	3.1	30
41	Disposable amperometric biosensor for the determination of tyramine using plasma amino oxidase. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 253-259	5.8	29
40	Determination of ascorbic acid in serum samples by screen-printed carbon electrodes modified with gold nanoparticles. <i>Talanta</i> , <b>2017</b> , 174, 733-737	6.2	28
39	A Peroxidase-Based Biosensor Supported by Nanoporous Magnetic Silica Microparticles for Acetaminophen Biotransformation and Inhibition Studies. <i>Electroanalysis</i> , <b>2006</b> , 18, 1637-1642	3	27
38	Gluconic acid determination in wine by electrochemical biosensing. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 176, 858-862	8.5	26
37	Development of acid phosphatase based amperometric biosensors for the inhibitive determination of As(V). <i>Talanta</i> , <b>2012</b> , 93, 301-6	6.2	26
36	CYP450 biosensors based on gold chips for antiepileptic drugs determination. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 1733-7	11.8	26
35	Resolution of quaternary mixtures of cadaverine, histamine, putrescine and tyramine by the square wave voltammetry and partial least squares method. <i>Talanta</i> , <b>2015</b> , 143, 97-100	6.2	24
34	Screen-printed biosensor based on the inhibition of the acetylcholinesterase activity for the determination of codeine. <i>Talanta</i> , <b>2013</b> , 111, 8-12	6.2	24
33	Speciation of chromium using chronoamperometric biosensors based on screen-printed electrodes. <i>Analytica Chimica Acta</i> , <b>2014</b> , 833, 15-21	6.6	23
32	Amperometric determination of sulfite using screen-printed electrodes modified with metallic nanoparticles. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 1351-1355	5.8	23
31	A screen-printed disposable biosensor for selective determination of putrescine. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 687-693	5.8	23
30	Fabrication and characterization of disposable sensors and biosensors for detection of formaldehyde. <i>Talanta</i> , <b>2011</b> , 86, 324-8	6.2	22

29	Determination of Lamotrigine in Pharmaceutical Preparations by Adsorptive Stripping Voltammetry Using Screen Printed Electrodes. <i>Sensors</i> , <b>2008</b> , 8, 4201-4212	3.8	21
28	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> , <b>2014</b> , 202, 971-975	8.5	19
27	Determination of oxcarbazepine by Square Wave Adsorptive Stripping Voltammetry in pharmaceutical preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 43, 1156-60	3.5	19
26	Speciation of Antimony by Adsorptive Stripping Voltammetry Using Pyrogallol Red. <i>Electroanalysis</i> , <b>2006</b> , 18, 1159-1166	3	18
25	Determination of aluminium using different techniques based on the Al(III)-morin complex. <i>Talanta</i> , <b>2019</b> , 196, 131-136	6.2	18
24	Cytochrome P450 2D6 based electrochemical sensor for the determination of codeine. <i>Talanta</i> , <b>2014</b> , 129, 315-9	6.2	16
23	Screen-printed acetylcholinesterase-based biosensors for inhibitive determination of permethrin. <i>Science of the Total Environment</i> , <b>2012</b> , 426, 346-50	10.2	16
22	Determination of Metals Based on Electrochemical Biosensors. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2013</b> , 43, 1042-1073	11.1	16
21	Disposable Miniaturized Screen-Printed pH and Reference Electrodes for Potentiometric Systems. <i>Electroanalysis</i> , <b>2011</b> , 23, 115-121	3	16
20	Vanadium determination in water using alkaline phosphatase based screen-printed carbon electrodes modified with gold nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 693, 51-55	4.1	14
19	Simultaneous Determination of Cr(III) and Cr(VI) by Differential Pulse Voltammetry Using Modified Screen-Printed Carbon Electrodes in Array Mode. <i>Electroanalysis</i> , <b>2010</b> , 22, 2924-2930	3	14
18	Molecularly imprinted polypyrrole based electrochemical sensor for selective determination of 4-ethylphenol. <i>Talanta</i> , <b>2020</b> , 207, 120351	6.2	13
17	Acetylcholinesterase inhibition-based biosensor for aluminum(III) chronoamperometric determination in aqueous media. <i>Sensors</i> , <b>2014</b> , 14, 8203-16	3.8	12
16	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> , <b>2015</b> , 15, 2232-43	3.8	11
15	Thick-film voltammetric pH-sensors with internal indicator and reference species. <i>Talanta</i> , <b>2012</b> , 99, 737-43	4.3	10
14	Electrochemical Methods of Carbamazepine Determination. <i>Sensor Letters</i> , <b>2009</b> , 7, 586-591	0.9	10
13	GADH screen-printed biosensor for gluconic acid determination in wine samples. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 192, 56-59	8.5	9
12	A disposable alkaline phosphatase-based biosensor for vanadium chronoamperometric determination. <i>Sensors</i> , <b>2014</b> , 14, 3756-67	3.8	8

11	Dual Biosensing Device for the Speciation of Arsenic. <i>Electroanalysis</i> , <b>2015</b> , 27, 302-308	3	7
10	Characterization of a Disposable Electrochemical Biosensor Based on Putrescine Oxidase from <i>Micrococcus rubens</i> for the Determination of Putrescine. <i>Electroanalysis</i> , <b>2015</b> , 27, 368-377	3	7
9	Simultaneous amperometric determination of malic and gluconic acids in wine using screen-printed carbon electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 211, 250-254	8.5	7
8	Disposable immunosensor for human cytomegalovirus glycoprotein B detection. <i>Talanta</i> , <b>2015</b> , 136, 42-6	6.2	7
7	Biosensor for aluminium(III) based on its inhibition of Erythromycin immobilized on a screen-printed carbon electrode modified with gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2012</b> , 179, 65-70	5.8	7
6	Disposable Horseradish Peroxidase Biosensors for the Selective Determination of Tyramine. <i>Electroanalysis</i> , <b>2013</b> , 25, 1316-1322	3	6
5	Oxcarbazepine Analysis by Adsorptive Stripping Voltammetry Using Silver Nanoparticle-Modified Carbon Screen-Printed Electrodes. <i>Sensor Letters</i> , <b>2010</b> , 8, 268-272	0.9	6
4	Electrochemical sensors in the development of selective methods for antiepileptic drugs determination. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2010</b> , 13, 650-7	1.3	5
3	Experimental Design Optimization of Arsenic Speciation in Groundwater. <i>Analytical Letters</i> , <b>2010</b> , 43, 1922-1932	2.2	2
2	Electrochemical Oxidation of the Antiretroviral Drug Nelfinavir on Modified Screen-printed Electrodes. <i>Electroanalysis</i> , <b>2016</b> , 28, 2081-2086	3	1
1	4-ethylphenol detection in wine by fullerene modified screen-printed carbon electrodes. <i>Microchemical Journal</i> , <b>2022</b> , 107599	4.8	0