

Olga DomÃ- nguez-Renedo

List of Publications by Year in descending order

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64
papers

2,689
citations

172207
29
h-index

182168
51
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all docs

64
docs citations

64
times ranked

2921
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in the field of screen-printed electrodes and their related applications. <i>Talanta</i> , 2007, 73, 202-219.	2.9	541
2	Screen-printed biosensors in microbiology; a review. <i>Talanta</i> , 2010, 82, 1629-1636.	2.9	136
3	Disposable biosensors for determination of biogenic amines. <i>Analytica Chimica Acta</i> , 2010, 665, 26-31.	2.6	112
4	Electrochemical determination of chromium(VI) using metallic nanoparticle-modified carbon screen-printed electrodes. <i>Talanta</i> , 2008, 76, 854-858.	2.9	100
5	Anodic stripping voltammetry of antimony using gold nanoparticle-modified carbon screen-printed electrodes. <i>Analytica Chimica Acta</i> , 2007, 589, 255-260.	2.6	90
6	Determination of Arsenic(III) Using Platinum Nanoparticle-Modified Screen-Printed Carbon-Based Electrodes. <i>Electroanalysis</i> , 2009, 21, 635-639.	1.5	79
7	Sensitive enzyme-biosensor based on screen-printed electrodes for Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1333-1337.	5.3	71
8	Dual enzymatic biosensor for simultaneous amperometric determination of histamine and putrescine. <i>Food Chemistry</i> , 2016, 190, 818-823.	4.2	68
9	CYP450 2B4 covalently attached to carbon and gold screen printed electrodes by diazonium salt and thiols monolayers. <i>Analytica Chimica Acta</i> , 2009, 633, 51-56.	2.6	67
10	Immobilization of Acetylcholinesterase on Screen-Printed Electrodes. Application to the Determination of Arsenic(III). <i>Sensors</i> , 2010, 10, 2119-2128.	2.1	66
11	Determination of lamotrigine by adsorptive stripping voltammetry using silver nanoparticle-modified carbon screen-printed electrodes. <i>Talanta</i> , 2007, 74, 59-64.	2.9	63
12	Sensitive and selective cocaine electrochemical detection using disposable sensors. <i>Analytica Chimica Acta</i> , 2014, 834, 30-36.	2.6	60
13	Development of urease based amperometric biosensors for the inhibitive determination of Hg (II). <i>Talanta</i> , 2009, 79, 1306-1310.	2.9	54
14	Simultaneous determination of cadaverine and putrescine using a disposable monoamine oxidase based biosensor. <i>Talanta</i> , 2013, 117, 405-411.	2.9	50
15	Speciation of antimony by adsorptive stripping voltammetry using pyrogallol. <i>Talanta</i> , 2007, 71, 691-698.	2.9	45
16	Determination of ascorbic acid in serum samples by screen-printed carbon electrodes modified with gold nanoparticles. <i>Talanta</i> , 2017, 174, 733-737.	2.9	45
17	Electrochemical determination of levetiracetam by screen-printed based biosensors. <i>Bioelectrochemistry</i> , 2009, 74, 306-309.	2.4	43
18	CYP450 biosensors based on screen-printed carbon electrodes for the determination of cocaine. <i>Analytica Chimica Acta</i> , 2011, 685, 15-20.	2.6	42

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19	Horseradish peroxidase-screen printed biosensors for determination of Ochratoxin A. <i>Analytica Chimica Acta</i> , 2011, 688, 49-53.	2.6	42
20	Electrochemical determination of cocaine using screen-printed cytochrome P450 2B4 based biosensors. <i>Talanta</i> , 2013, 105, 131-134.	2.9	40
21	Sulfite oxidase biosensors based on tetrathiafulvalene modified screen-printed carbon electrodes for sulfite determination in wine. <i>Analytica Chimica Acta</i> , 2014, 812, 41-44.	2.6	39
22	Tyrosinase based biosensor for the electrochemical determination of sulfamethoxazole. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 48-53.	4.0	39
23	Horseradish peroxidase covalent grafting onto screen-printed carbon electrodes for levetiracetam chronoamperometric determination. <i>Analytical Biochemistry</i> , 2009, 395, 86-90.	1.1	37
24	Development of acid phosphatase based amperometric biosensors for the inhibitive determination of As(V). <i>Talanta</i> , 2012, 93, 301-306.	2.9	36
25	Determination of Antimony (III) in Real Samples by Anodic Stripping Voltammetry Using a Mercury Film Screen-Printed Electrode. <i>Sensors</i> , 2009, 9, 219-231.	2.1	35
26	A Peroxidase-Based Biosensor Supported by Nanoporous Magnetic Silica Microparticles for Acetaminophen Biotransformation and Inhibition Studies. <i>Electroanalysis</i> , 2006, 18, 1637-1642.	1.5	32
27	Disposable amperometric biosensor for the determination of tyramine using plasma amino oxidase. <i>Mikrochimica Acta</i> , 2013, 180, 253-259.	2.5	31
28	Screen-printed biosensor based on the inhibition of the acetylcholinesterase activity for the determination of codeine. <i>Talanta</i> , 2013, 111, 8-12.	2.9	30
29	Molecularly imprinted polypyrrole based electrochemical sensor for selective determination of 4-ethylphenol. <i>Talanta</i> , 2020, 207, 120351.	2.9	30
30	CYP450 biosensors based on gold chips for antiepileptic drugs determination. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1733-1737.	5.3	29
31	Determination of Lamotrigine in Pharmaceutical Preparations by Adsorptive Stripping Voltammetry Using Screen Printed Electrodes. <i>Sensors</i> , 2008, 8, 4201-4212.	2.1	29
32	Fabrication and characterization of disposable sensors and biosensors for detection of formaldehyde. <i>Talanta</i> , 2011, 86, 324-328.	2.9	29
33	Gluconic acid determination in wine by electrochemical biosensing. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 858-862.	4.0	28
34	Speciation of chromium using chronoamperometric biosensors based on screen-printed electrodes. <i>Analytica Chimica Acta</i> , 2014, 833, 15-21.	2.6	28
35	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.	2.9	27
36	Determination of aluminium using different techniques based on the Al(III)-morin complex. <i>Talanta</i> , 2019, 196, 131-136.	2.9	27

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37	Amperometric determination of sulfite using screen-printed electrodes modified with metallic nanoparticles. <i>Mikrochimica Acta</i> , 2013, 180, 1351-1355.	2.5	26
38	A screen-printed disposable biosensor for selective determination of putrescine. <i>Mikrochimica Acta</i> , 2013, 180, 687-693.	2.5	25
39	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.	4.0	23
40	Determination of oxcarbazepine by Square Wave Adsorptive Stripping Voltammetry in pharmaceutical preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1156-1160.	1.4	22
41	Determination of Metals Based on Electrochemical Biosensors. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 1042-1073.	6.6	21
42	Speciation of Antimony by Adsorptive Stripping Voltammetry Using Pyrogallol Red. <i>Electroanalysis</i> , 2006, 18, 1159-1166.	1.5	19
43	Cytochrome P450 2D6 based electrochemical sensor for the determination of codeine. <i>Talanta</i> , 2014, 129, 315-319.	2.9	19
44	Screen-printed acetylcholinesterase-based biosensors for inhibitive determination of permethrin. <i>Science of the Total Environment</i> , 2012, 426, 346-350.	3.9	18
45	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.	1.5	17
46	Disposable Miniaturized Screen-Printed pH and Reference Electrodes for Potentiometric Systems. <i>Electroanalysis</i> , 2011, 23, 115-121.	1.5	16
47	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.	1.9	14
48	Acetylcholinesterase Inhibition-Based Biosensor for Aluminum(III) Chronoamperometric Determination in Aqueous Media. <i>Sensors</i> , 2014, 14, 8203-8216.	2.1	14
49	Electrochemical Methods of Carbamazepine Determination. <i>Sensor Letters</i> , 2009, 7, 586-591.	0.4	14
50	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. <i>Sensors</i> , 2015, 15, 2232-2243.	2.1	13
51	GADH screen-printed biosensor for gluconic acid determination in wine samples. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 56-59.	4.0	11
52	Thick-film voltammetric pH-sensors with internal indicator and reference species. <i>Talanta</i> , 2012, 99, 737-743.	2.9	10
53	A Disposable Alkaline Phosphatase-Based Biosensor for Vanadium Chronoamperometric Determination. <i>Sensors</i> , 2014, 14, 3756-3767.	2.1	10
54	Disposable immunosensor for human cytomegalovirus glycoprotein B detection. <i>Talanta</i> , 2015, 136, 42-46.	2.9	10

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55	Biosensor for aluminium(III) based on its inhibition of $\hat{\pm}$ -chymotrypsin immobilized on a screen-printed carbon electrode modified with gold nanoparticles. <i>Mikrochimica Acta</i> , 2012, 179, 65-70.	2.5	9
56	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.	1.5	9
57	Dual Biosensing Device for the Speciation of Arsenic. <i>Electroanalysis</i> , 2015, 27, 302-308.	1.5	9
58	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.	4.0	8
59	4-ethyphenol detection in wine by fullerene modified screen-printed carbon electrodes. <i>Microchemical Journal</i> , 2022, 180, 107599.	2.3	8
60	Disposable Horseradish Peroxidase Biosensors for the Selective Determination of Tyramine. <i>Electroanalysis</i> , 2013, 25, 1316-1322.	1.5	7
61	Oxcarbazepine Analysis by Adsorptive Stripping Voltammetry Using Silver Nanoparticle-Modified Carbon Screen-Printed Electrodes. <i>Sensor Letters</i> , 2010, 8, 268-272.	0.4	6
62	Electrochemical Sensors in the Development of Selective Methods for Antiepileptic Drugs Determination. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010, 13, 650-657.	0.6	6
63	Experimental Design Optimization of Arsenic Speciation in Groundwater. <i>Analytical Letters</i> , 2010, 43, 1922-1932.	1.0	3
64	Electrochemical Oxidation of the Antiretroviral Drug Nelfinavir on Modified Screen-Printed Electrodes. <i>Electroanalysis</i> , 2016, 28, 2081-2086.	1.5	2