Araceli GonzÃ¡lez-CortÃ©s

List of Publications by Year
in descending order

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76	3,442	196777 29	156644 58
papers	citations	h-index	g-index

78	78	78	4650
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monitoring autoimmune diseases by bioelectrochemical detection of autoantibodies. Application to the determination of anti-myelin basic protein autoantibodies in serum of multiple sclerosis patients. Talanta, 2022, 243, 123304.	2.9	6
2	Simultaneous determination of CXCL7 chemokine and MMP3 metalloproteinase as biomarkers for rheumatoid arthritis. Talanta, 2021, 234, 122705.	2.9	19
3	Synthesis of New Water-Soluble Bunte Salts Bearing Thieno[2,3-b]Pyridine-3-yl Substituents. Chemistry Proceedings, 2021, 3, 24.	0.1	0
4	Electrochemical Immunosensor for Simultaneous Determination of Emerging Autoimmune Disease Biomarkers in Human Serum. , 2021, 3, .		0
5	Carbon/Inorganic Hybrid Nanoarchitectures as Carriers for Signaling Elements in Electrochemical Immunosensors: First Biosensor for the Determination of the Inflammatory and Metastatic Processes Biomarker RANKâ€ligand. ChemElectroChem, 2020, 7, 810-820.	1.7	14
6	TGFâ€Î²â€induced IGFBPâ€3 is a key paracrine factor from activated pericytes that promotes colorectal cancer cell migration and invasion. Molecular Oncology, 2020, 14, 2609-2628.	2.1	18
7	Multimodal/Multifunctional Nanomaterials in (Bio)electrochemistry: Now and in the Coming Decade. Nanomaterials, 2020, 10, 2556.	1.9	13
8	Electrochemical biosensor for the simultaneous determination of rheumatoid factor and anti-cyclic citrullinated peptide antibodies in human serum. Analyst, The, 2020, 145, 4680-4687.	1.7	23
9	Electrochemical immunosensor for the determination of the cytokine interferon gamma (IFN-Î³) in saliva. Talanta, 2020, 211, 120761.	2.9	32
10	Electrochemical immunoplatform to improve the reliability of breast cancer diagnosis through the simultaneous determination of RANKL and TNF in serum. Sensors and Actuators B: Chemical, 2020, 314, 128096.	4.0	22
11	Electrochemical biosensors for autoantibodies in autoimmune and cancer diseases. Analytical Methods, 2019, 11, 871-887.	1.3	27
12	Copper(I)-Catalyzed Click Chemistry as a Tool for the Functionalization of Nanomaterials and the Preparation of Electrochemical (Bio)Sensors. Sensors, 2019, 19, 2379.	2.1	27
13	Magnetic multiwalled carbon nanotubes as nanocarrier tags for sensitive determination of fetuin in saliva. Biosensors and Bioelectronics, 2018, 113, 88-94.	5.3	25
14	An electrochemical immunosensor for brain natriuretic peptide prepared with screen-printed carbon electrodes nanostructured with gold nanoparticles grafted through aryl diazonium salt chemistry. Talanta, 2018, 179, 131-138.	2.9	57
15	Amperometric determination of endoglin in human serum using disposable immunosensors constructed with poly(pyrrolepropionic) acid-modified electrodes. Electrochimica Acta, 2018, 292, 887-894.	2.6	10
16	Electrochemical Immunosensors for Clinical Diagnostics. , 2018, , 156-165.		3
17	Amperometric immunoassay for the obesity biomarker amylin using a screen printed carbon electrode functionalized with an electropolymerized carboxylated polypyrrole. Mikrochimica Acta, 2018, 185, 323.	2.5	12
18	Electrochemical immunosensor for sensitive determination of transforming growth factor (TGF) - Î²1 in urine. Biosensors and Bioelectronics, 2017, 88, 9-14.	5.3	38

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19	Electrochemical immunosensor for simultaneous determination of interleukin-1 beta and tumor necrosis factor alpha in serum and saliva using dual screen printed electrodes modified with functionalized doubleâ€“walled carbon nanotubes. Analytica Chimica Acta, 2017, 959, 66-73.	2.6	118
20	Electrochemical Immunosensor for Sensitive Determination of TGF Î²1 in Urine. Procedia Technology, 2017, 27, 81-84.	1.1	3
21	Viologen-functionalized single-walled carbon nanotubes as carrier nanotags for electrochemical immunosensing. Application to TGF-Î²1 cytokine. Biosensors and Bioelectronics, 2017, 98, 240-247.	5.3	28
22	Electrochemical immunosensor for the determination of 8-isoprostane aging biomarker using carbon nanohorns-modified disposable electrodes. Journal of Electroanalytical Chemistry, 2017, 793, 197-202.	1.9	20
23	Carbon nanotubes functionalized by click chemistry as scaffolds for the preparation of electrochemical immunosensors. Application to the determination of TGF-beta 1 cytokine. Analyst, The, 2016, 141, 5730-5737.	1.7	35
24	Uncommon Carbon Nanostructures for the Preparation of Electrochemical Immunosensors. Electroanalysis, 2016, 28, 1679-1691.	1.5	26
25	An electrochemical immunosensor for adiponectin using reduced graphene oxideâ€“carboxymethylcellulose hybrid as electrode scaffold. Sensors and Actuators B: Chemical, 2016, 223, 89-94.	4.0	25
26	Grafted-double walled carbon nanotubes as electrochemical platforms for immobilization of antibodies using a metallic-complex chelating polymer: Application to the determination of adiponectin cytokine in serum. Biosensors and Bioelectronics, 2015, 74, 24-29.	5.3	47
27	Amperometric immunosensor for the determination of ceruloplasmin in human serum and urine based on covalent binding to carbon nanotubes-modified screen-printed electrodes. Talanta, 2014, 118, 61-67.	2.9	15
28	Electrochemical magnetoimmunosensor for the ultrasensitive determination of interleukin-6 in saliva and urine using poly-HRP streptavidin conjugates as labels for signal amplification. Analytical and Bioanalytical Chemistry, 2014, 406, 6363-6371.	1.9	64
29	Carbon Nanohorns as a Scaffold for the Construction of Disposable Electrochemical Immunosensing Platforms. Application to the Determination of Fibrinogen in Human Plasma and Urine. Analytical Chemistry, 2014, 86, 7749-7756.	3.2	53
30	Gold nanoparticles/carbon nanotubes/ionic liquid microsized paste electrode for the determination of cortisol and androsterone hormones. Journal of Solid State Electrochemistry, 2013, 17, 1591-1599.	1.2	16
31	Electrochemical Magnetic Immunosensors for the Determination of Ceruloplasmin. Electroanalysis, 2013, 25, 2166-2174.	1.5	19
32	A disposable electrochemical immunosensor for the determination of leptin in serum and breast milk. Analyst, The, 2013, 138, 4284.	1.7	24
33	Electrochemical immunosensor for rapid and sensitive determination of estradiol. Analytica Chimica Acta, 2012, 743, 117-124.	2.6	63
34	Multiplexed Ultrasensitive Determination of Adrenocorticotropin and Cortisol Hormones at a Dual Electrochemical Immunosensor. Electroanalysis, 2012, 24, 1100-1108.	1.5	22
35	Ultrasensitive detection of adrenocorticotropin hormone (ACTH) using disposable phenylboronic-modified electrochemical immunosensors. Biosensors and Bioelectronics, 2012, 35, 82-86.	5.3	65
36	A disposable electrochemical immunosensor for prolactin involving affinity reaction on streptavidin-functionalized magnetic particles. Analytica Chimica Acta, 2011, 692, 125-130.	2.6	42

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37	An electrochemical immunosensor for testosterone using functionalized magnetic beads and screen-printed carbon electrodes. Biosensors and Bioelectronics, 2010, 26, 517-522.	5.3	127
38	Disposable immunosensor for cortisol using functionalized magnetic particles. Analyst, The, 2010, 135, 1926.	1.7	47
39	Methods for the Preparation of Electrochemical Composite Biosensors Based on Gold Nanoparticles. Methods in Molecular Biology, 2009, 504, 157-166.	0.4	2
40	Gold nanoparticle-based electrochemical biosensors. Electrochimica Acta, 2008, 53, 5848-5866.	2.6	860
41	Amperometric IgG Immunosensor using a Tyrosinaseâ€Colloidal Goldâ€Graphiteâ€Teflon Biosensor as a Transducer. Analytical Letters, 2008, 41, 244-259.	1.0	8
42	Electrochemical detection of phenolic estrogenic compounds at carbon nanotube-modified electrodes. Talanta, 2007, 71, 1031-1038.	2.9	100
43	Bioelectrochemical evaluation of the total phenols content in olive oil mill wastewaters using a tyrosinaseâ€“colloidal goldâ€“graphiteâ€“Teflon biosensor. International Journal of Environmental Analytical Chemistry, 2007, 87, 57-65.	1.8	6
44	Development of a Progesterone Immunosensor Based on a Colloidal Gold-Graphite-Teflon Composite Electrode. Electroanalysis, 2007, 19, 853-858.	1.5	21
45	Nanostructured progesterone immunosensor using a tyrosinaseâ€“colloidal goldâ€“graphiteâ€“Teflon biosensor as amperometric transducer. Analytica Chimica Acta, 2007, 596, 86-91.	2.6	49
46	Voltammetry and amperometric detection of tetracyclines at multi-wall carbon nanotube modified electrodes. Analytical and Bioanalytical Chemistry, 2007, 389, 951-958.	1.9	90
47	Development of a high analytical performance-tyrosinase biosensor based on a composite graphiteâ€“Teflon electrode modified with gold nanoparticles. Biosensors and Bioelectronics, 2006, 22, 730-736.	5.3	117
48	A Convenient and Efficient Synthesis of the First (Nitroimidazolyl)succinic Esters and their Diacids. Synthesis, 2006, 2006, 3859-3864.	1.2	1
49	Development of a tyrosinase biosensor based on gold nanoparticles-modified glassy carbon electrodes. Analytica Chimica Acta, 2005, 528, 1-8.	2.6	295
50	Pulsed Amperometric Detection of Histamine at Glassy Carbon Electrodes Modified with Gold Nanoparticles. Electroanalysis, 2005, 17, 289-297.	1.5	44
51	Laccase Biosensor Based on N-Succinimidyl-3-Thiopropionate-Functionalized Gold Electrodes. Electroanalysis, 2005, 17, 2147-2155.	1.5	27
52	Electrospray mass spectra of group 6 (Fischer) carbenes in the presence of electron-donor compounds. Journal of Mass Spectrometry, 2003, 38, 151-156.	0.7	17
53	The importance of the linking bridge in donorâ€“C60 electroactive dyads. New Journal of Chemistry, 2002, 26, 76-80.	1.4	20
54	Synthesis, electrochemistry and photophysical properties of phenylenevinylene fullerodendrimers. Tetrahedron Letters, 2001, 42, 3435-3438.	0.7	56

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55	Carbon fibre microelectrodes modified with rhodium for the electrocatalytic determination of hydrazine. Analytica Chimica Acta, 2001, 439, 281-290.	2.6	40
56	Synthesis and Properties of Isoxazolo[60]fullereneâ˜'Donor Dyadsâ€. Journal of Organic Chemistry, 2000, 65, 8675-8684.	1.7	62
57	Analytical performance of cylindrical carbon fiber microelectrodes in low-permitivity organic solvents: determination of vanillin in ethyl acetate. Analytica Chimica Acta, 1999, 385, 241-248.	2.6	40
58	Continuous monitoring of amino acids and related compounds with poly(3-methylthiophene)-coated cylindrical carbon fiber microelectrodes. Analytica Chimica Acta, 1999, 401, 145-154.	2.6	40
59	Microcylinder Polymer Modified Electrodes as Amperometric Detectors for Liquid Chromatographic Analysis of Catecholamines. Electroanalysis, 1999, 11, 1333-1339.	1.5	33
60	Critical Comparison of Paraffin Carbon Paste and Graphite-Poly(tetrafluorethylene) Composite Electrodes Concerning the Electroanalytical Behavior of Various Antioxidants of Different Hydrophobicity. Electroanalysis, 1998, 10, 33-38.	1.5	20
61	On the origin of the differences between stearic-acid-modified carbon paste electrode performances after exposure to surfactant and brain tissues. Bioelectrochemistry, 1996, 41, 101-106.	1.0	5
62	Analytical application of self assembled monolayers on gold electrodes: critical importance of surface pretreatment. Biosensors and Bioelectronics, 1995, 10, 789-795.	5.3	44
63	Preparation and characterization of a new enzyme electrode based on solid paraffin and activated graphite particles. Talanta, 1995, 42, 1783-1789.	2.9	56
64	Voltammetric determination of tert-butylhydroxyanisole in micellar and emulsified media. Analytica Chimica Acta, 1994, 285, 63-71.	2.6	22
65	Electroanalytical study of the antioxidanttert-butylhydroquinone (TBHQ) in an oil-in-water emulsified medium. Electroanalysis, 1994, 6, 1014-1019.	1.5	18
66	Electroanalytical study of diethyl and dibutyl phthalate in micellar and oil-in-water emulsified media. Fresenius' Journal of Analytical Chemistry, 1994, 348, 666-673.	1.5	3
67	Synthesis of novel chloro-substituted N,Nâ€²-dicyanoquinonediimines. Formation of charge transfer complexes and copper radical-anion salts. Synthetic Metals, 1994, 64, 83-89.	2.1	8
68	Polarographic determination of tert -butylhydroquinone in micellar and emulsified media. Analytica Chimica Acta, 1993, 273, 545-551.	2.6	13
69	Room temperature lithium reduction of La2MO4+Î´(M=Cu, Ni). Solid State Ionics, 1993, 63-65, 907-914.	1.3	6
70	Syntheses, electrochemistry and molecular modeling of N,Nâ€²-dicyanoquinonediimine (DCNQI) derivatives of substituted 1,4-anthracenediones: precursors for organic metals.. Tetrahedron, 1993, 49, 4881-4892.	1.0	19
71	Sulfur atoms as bridges in polycyclic donor-Ï*f*-acceptor molecules. Synthetic Metals, 1993, 56, 1721-1725.	2.1	3
72	Synthesis, electrochemical properties and effect of substituents on Ï€-extended TCNQ and DCNQI systems. Synthetic Metals, 1993, 56, 1717-1720.	2.1	2

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73	Novel .pi.-extended thiophene-fused electron acceptors for organic metals. Journal of Organic Chemistry, 1992, 57, 6192-6198.	1.7	58
74	Determination of organochlorine pesticides in apple samples by differential-pulse polarography in emulsified medium. Analytica Chimica Acta, 1992, 264, 141-147.	2.6	14
75	Electroanalytical study of dimethyl phthalate by polarographic techniques in emulsified medium. Electrochimica Acta, 1991, 36, 1573-1577.	2.6	10
76	Electroanalytical study of pirimicarb by anodic voltammetry at a glassy carbon electrode in aqueous and acetonitrile media. Electroanalysis, 1990, 2, 493-497.	1.5	4