

Araceli González-Cortés

List of Publications by Year in descending order

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76
papers

3,442
citations

172457

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58
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all docs

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docs citations

78
times ranked

4191
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. <i>Talanta</i> , 2022, 243, 123304.	5.5	6
2	Simultaneous determination of CXCL7 chemokine and MMP3 metalloproteinase as biomarkers for rheumatoid arthritis. <i>Talanta</i> , 2021, 234, 122705.	5.5	19
3	Synthesis of New Water-Soluble Bunte Salts Bearing Thieno[2,3-b]Pyridine-3-yl Substituents. <i>Chemistry Proceedings</i> , 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 RANKL. <i>ChemElectroChem</i> , 2020, 7, 810-820.	3.4	14
6	TGF α -induced IGFBP β is a key paracrine factor from activated pericytes that promotes colorectal cancer cell migration and invasion. <i>Molecular Oncology</i> , 2020, 14, 2609-2628.	4.6	18
7	Multimodal/Multifunctional Nanomaterials in (Bio)electrochemistry: Now and in the Coming Decade. <i>Nanomaterials</i> , 2020, 10, 2556.	4.1	13
8	Electrochemical biosensor for the simultaneous determination of rheumatoid factor and anti-cyclic citrullinated peptide antibodies in human serum. <i>Analyst</i> , 2020, 145, 4680-4687.	3.5	23
9	Electrochemical immunosensor for the determination of the cytokine interferon gamma (IFN- γ) in saliva. <i>Talanta</i> , 2020, 211, 120761.	5.5	32
10	Electrochemical immunoplatform to improve the reliability of breast cancer diagnosis through the simultaneous determination of RANKL and TNF in serum. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128096.	7.8	22
11	Electrochemical biosensors for autoantibodies in autoimmune and cancer diseases. <i>Analytical Methods</i> , 2019, 11, 871-887.	2.7	27
12	Copper(I)-Catalyzed Click Chemistry as a Tool for the Functionalization of Nanomaterials and the Preparation of Electrochemical (Bio)Sensors. <i>Sensors</i> , 2019, 19, 2379.	3.8	27
13	Magnetic multiwalled carbon nanotubes as nanocarrier tags for sensitive determination of fetuin in saliva. <i>Biosensors and Bioelectronics</i> , 2018, 113, 88-94.	10.1	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. <i>Talanta</i> , 2018, 179, 131-138.	5.5	57
15	Amperometric determination of endoglin in human serum using disposable immunosensors constructed with poly(pyrrrolepropionic) acid-modified electrodes. <i>Electrochimica Acta</i> , 2018, 292, 887-894.	5.2	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. <i>Mikrochimica Acta</i> , 2018, 185, 323.	5.0	12
18	Electrochemical immunosensor for sensitive determination of transforming growth factor (TGF) - β 1 in urine. <i>Biosensors and Bioelectronics</i> , 2017, 88, 9-14.	10.1	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 double-walled carbon nanotubes. <i>Analytica Chimica Acta</i> , 2017, 959, 66-73.	5.4	118
20	Electrochemical Immunosensor for Sensitive Determination of TGF- β 1 in Urine. <i>Procedia Technology</i> , 2017, 27, 81-84.	1.1	3
21	Viologen-functionalized single-walled carbon nanotubes as carrier nanotags for electrochemical immunosensing. Application to TGF- β 1 cytokine. <i>Biosensors and Bioelectronics</i> , 2017, 98, 240-247.	10.1	28
22	Electrochemical immunosensor for the determination of 8-isoprostane aging biomarker using carbon nanohorns-modified disposable electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 793, 197-202.	3.8	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. <i>Analyst, The</i> , 2016, 141, 5730-5737.	3.5	35
24	Uncommon Carbon Nanostructures for the Preparation of Electrochemical Immunosensors. <i>Electroanalysis</i> , 2016, 28, 1679-1691.	2.9	26
25	An electrochemical immunosensor for adiponectin using reduced graphene oxide-carboxymethylcellulose hybrid as electrode scaffold. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 89-94.	7.8	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. <i>Biosensors and Bioelectronics</i> , 2015, 74, 24-29.	10.1	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. <i>Talanta</i> , 2014, 118, 61-67.	5.5	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. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6363-6371.	3.7	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. <i>Analytical Chemistry</i> , 2014, 86, 7749-7756.	6.5	53
30	Gold nanoparticles/carbon nanotubes/ionic liquid micro-sized paste electrode for the determination of cortisol and androsterone hormones. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1591-1599.	2.5	16
31	Electrochemical Magnetic Immunosensors for the Determination of Ceruloplasmin. <i>Electroanalysis</i> , 2013, 25, 2166-2174.	2.9	19
32	A disposable electrochemical immunosensor for the determination of leptin in serum and breast milk. <i>Analyst, The</i> , 2013, 138, 4284.	3.5	24
33	Electrochemical immunosensor for rapid and sensitive determination of estradiol. <i>Analytica Chimica Acta</i> , 2012, 743, 117-124.	5.4	63
34	Multiplexed Ultrasensitive Determination of Adrenocorticotropin and Cortisol Hormones at a Dual Electrochemical Immunosensor. <i>Electroanalysis</i> , 2012, 24, 1100-1108.	2.9	22
35	Ultrasensitive detection of adrenocorticotropin hormone (ACTH) using disposable phenylboronic-modified electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2012, 35, 82-86.	10.1	65
36	A disposable electrochemical immunosensor for prolactin involving affinity reaction on streptavidin-functionalized magnetic particles. <i>Analytica Chimica Acta</i> , 2011, 692, 125-130.	5.4	42

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37	An electrochemical immunosensor for testosterone using functionalized magnetic beads and screen-printed carbon electrodes. <i>Biosensors and Bioelectronics</i> , 2010, 26, 517-522.	10.1	127
38	Disposable immunosensor for cortisol using functionalized magnetic particles. <i>Analyst, The</i> , 2010, 135, 1926.	3.5	47
39	Methods for the Preparation of Electrochemical Composite Biosensors Based on Gold Nanoparticles. <i>Methods in Molecular Biology</i> , 2009, 504, 157-166.	0.9	2
40	Gold nanoparticle-based electrochemical biosensors. <i>Electrochimica Acta</i> , 2008, 53, 5848-5866.	5.2	860
41	Amperometric IgG Immunosensor using a Tyrosinase-Colloidal Gold-Graphite-Teflon Biosensor as a Transducer. <i>Analytical Letters</i> , 2008, 41, 244-259.	1.8	8
42	Electrochemical detection of phenolic estrogenic compounds at carbon nanotube-modified electrodes. <i>Talanta</i> , 2007, 71, 1031-1038.	5.5	100
43	Bioelectrochemical evaluation of the total phenols content in olive oil mill wastewaters using a tyrosinase-colloidal gold-graphite-Teflon biosensor. <i>International Journal of Environmental Analytical Chemistry</i> , 2007, 87, 57-65.	3.3	6
44	Development of a Progesterone Immunosensor Based on a Colloidal Gold-Graphite-Teflon Composite Electrode. <i>Electroanalysis</i> , 2007, 19, 853-858.	2.9	21
45	Nanostructured progesterone immunosensor using a tyrosinase-colloidal gold-graphite-Teflon biosensor as amperometric transducer. <i>Analytica Chimica Acta</i> , 2007, 596, 86-91.	5.4	49
46	Voltammetry and amperometric detection of tetracyclines at multi-wall carbon nanotube modified electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 951-958.	3.7	90
47	Development of a high analytical performance-tyrosinase biosensor based on a composite graphite-Teflon electrode modified with gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2006, 22, 730-736.	10.1	117
48	A Convenient and Efficient Synthesis of the First (Nitroimidazolyl)succinic Esters and their Diacids. <i>Synthesis</i> , 2006, 2006, 3859-3864.	2.3	1
49	Development of a tyrosinase biosensor based on gold nanoparticles-modified glassy carbon electrodes. <i>Analytica Chimica Acta</i> , 2005, 528, 1-8.	5.4	295
50	Pulsed Amperometric Detection of Histamine at Glassy Carbon Electrodes Modified with Gold Nanoparticles. <i>Electroanalysis</i> , 2005, 17, 289-297.	2.9	44
51	Laccase Biosensor Based on N-Succinimidyl-3-Thiopropionate-Functionalized Gold Electrodes. <i>Electroanalysis</i> , 2005, 17, 2147-2155.	2.9	27
52	Electrospray mass spectra of group 6 (Fischer) carbenes in the presence of electron-donor compounds. <i>Journal of Mass Spectrometry</i> , 2003, 38, 151-156.	1.6	17
53	The importance of the linking bridge in donor-C60 electroactive dyads. <i>New Journal of Chemistry</i> , 2002, 26, 76-80.	2.8	20
54	Synthesis, electrochemistry and photophysical properties of phenylenevinylene fullerodendrimers. <i>Tetrahedron Letters</i> , 2001, 42, 3435-3438.	1.4	56

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55	Carbon fibre microelectrodes modified with rhodium for the electrocatalytic determination of hydrazine. <i>Analytica Chimica Acta</i> , 2001, 439, 281-290.	5.4	40
56	Synthesis and Properties of Isoxazolo[60]fullerene ⁺ Donor Dyads ⁺ . <i>Journal of Organic Chemistry</i> , 2000, 65, 8675-8684.	3.2	62
57	Analytical performance of cylindrical carbon fiber microelectrodes in low-permittivity organic solvents: determination of vanillin in ethyl acetate. <i>Analytica Chimica Acta</i> , 1999, 385, 241-248.	5.4	40
58	Continuous monitoring of amino acids and related compounds with poly(3-methylthiophene)-coated cylindrical carbon fiber microelectrodes. <i>Analytica Chimica Acta</i> , 1999, 401, 145-154.	5.4	40
59	Microcylinder Polymer Modified Electrodes as Amperometric Detectors for Liquid Chromatographic Analysis of Catecholamines. <i>Electroanalysis</i> , 1999, 11, 1333-1339.	2.9	33
60	Critical Comparison of Paraffin Carbon Paste and Graphite-Poly(tetrafluorethylene) Composite Electrodes Concerning the Electroanalytical Behavior of Various Antioxidants of Different Hydrophobicity. <i>Electroanalysis</i> , 1998, 10, 33-38.	2.9	20
61	On the origin of the differences between stearic-acid-modified carbon paste electrode performances after exposure to surfactant and brain tissues. <i>Bioelectrochemistry</i> , 1996, 41, 101-106.	1.0	5
62	Analytical application of self assembled monolayers on gold electrodes: critical importance of surface pretreatment. <i>Biosensors and Bioelectronics</i> , 1995, 10, 789-795.	10.1	44
63	Preparation and characterization of a new enzyme electrode based on solid paraffin and activated graphite particles. <i>Talanta</i> , 1995, 42, 1783-1789.	5.5	56
64	Voltammetric determination of tert-butylhydroxyanisole in micellar and emulsified media. <i>Analytica Chimica Acta</i> , 1994, 285, 63-71.	5.4	22
65	Electroanalytical study of the antioxidant tert-butylhydroquinone (TBHQ) in an oil-in-water emulsified medium. <i>Electroanalysis</i> , 1994, 6, 1014-1019.	2.9	18
66	Electroanalytical study of diethyl and dibutyl phthalate in micellar and oil-in-water emulsified media. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 348, 666-673.	1.5	3
67	Synthesis of novel chloro-substituted N,N ⁺ -dicyanoquinonediimines. Formation of charge transfer complexes and copper radical-anion salts. <i>Synthetic Metals</i> , 1994, 64, 83-89.	3.9	8
68	Polarographic determination of tert-butylhydroquinone in micellar and emulsified media. <i>Analytica Chimica Acta</i> , 1993, 273, 545-551.	5.4	13
69	Room temperature lithium reduction of La ₂ MO ₄ + ⁺ (M=Cu, Ni). <i>Solid State Ionics</i> , 1993, 63-65, 907-914.	2.7	6
70	Syntheses, electrochemistry and molecular modeling of N,N ⁺ -dicyanoquinonediimine (DCNQI) derivatives of substituted 1,4-anthracenediones: precursors for organic metals.. <i>Tetrahedron</i> , 1993, 49, 4881-4892.	1.9	19
71	Sulfur atoms as bridges in polycyclic donor- π -acceptor molecules. <i>Synthetic Metals</i> , 1993, 56, 1721-1725.	3.9	3
72	Synthesis, electrochemical properties and effect of substituents on π -extended TCNQ and DCNQI systems. <i>Synthetic Metals</i> , 1993, 56, 1717-1720.	3.9	2

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73	Novel .pi.-extended thiophene-fused electron acceptors for organic metals. <i>Journal of Organic Chemistry</i> , 1992, 57, 6192-6198.	3.2	58
74	Determination of organochlorine pesticides in apple samples by differential-pulse polarography in emulsified medium. <i>Analytica Chimica Acta</i> , 1992, 264, 141-147.	5.4	14
75	Electroanalytical study of dimethyl phthalate by polarographic techniques in emulsified medium. <i>Electrochimica Acta</i> , 1991, 36, 1573-1577.	5.2	10
76	Electroanalytical study of pirimicarb by anodic voltammetry at a glassy carbon electrode in aqueous and acetonitrile media. <i>Electroanalysis</i> , 1990, 2, 493-497.	2.9	4