

Ana Graci Brito-Madurro

List of Publications by Year in descending order

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53
papers

916
citations

361296
20
h-index

526166
27
g-index

54
all docs

54
docs citations

54
times ranked

851
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-free electrochemical immunosensor for detection of oncomarker CA125 in serum. <i>Microchemical Journal</i> , 2020, 155, 104746.	2.3	51
2	Biomarkers for Serum Diagnosis of Infectious Diseases and Their Potential Application in Novel Sensor Platforms. <i>Critical Reviews in Immunology</i> , 2010, 30, 201-222.	1.0	48
3	Electrochemical and morphologic studies of nickel incorporation on graphite electrodes modified with polytyramine. <i>Journal of Materials Science</i> , 2008, 43, 475-482.	1.7	41
4	Preparation of genosensor for detection of specific DNA sequence of the hepatitis B virus. <i>Applied Surface Science</i> , 2014, 314, 273-279.	3.1	39
5	Electropolymerization of 3-aminophenol on carbon graphite surface: Electric and morphologic properties. <i>Materials Chemistry and Physics</i> , 2008, 107, 404-409.	2.0	37
6	Peptide-based electrochemical biosensor for juvenile idiopathic arthritis detection. <i>Biosensors and Bioelectronics</i> , 2018, 100, 577-582.	5.3	33
7	Immobilization of purine bases on a poly-4-aminophenol matrix. <i>Journal of Materials Science</i> , 2007, 42, 3238-3243.	1.7	31
8	Diversity in the lysis-integration region of oenophage genomes and evidence for multiple tRNA loci, as targets for prophage integration in <i>Oenococcus oeni</i> . <i>Virology</i> , 2004, 325, 82-95.	1.1	30
9	Electrochemical Modification of Graphite Electrodes with Poly(4-aminophenol). <i>Macromolecular Symposia</i> , 2006, 245-246, 236-242.	0.4	27
10	Formation of novel polymeric films derived from 4-hydroxybenzoic acid. <i>Materials Chemistry and Physics</i> , 2011, 129, 46-52.	2.0	27
11	Detection of a Specific Biomarker for Epstein-Barr Virus Using a Polymer-Based Genosensor. <i>International Journal of Molecular Sciences</i> , 2014, 15, 9051-9066.	1.8	26
12	Application of nanomaterials for the electrical and optical detection of the hepatitis B virus. <i>Analytical Biochemistry</i> , 2018, 549, 157-163.	1.1	26
13	Electrochemical Detection of Zika Virus in Biological Samples: A Step for Diagnosis Point-of-Care. <i>Electroanalysis</i> , 2019, 31, 1580-1587.	1.5	26
14	Label-free and reagentless electrochemical genosensor based on graphene acid for meat adulteration detection. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113628.	5.3	25
15	Electrochemical and morphological studies of an electroactive material derived from 3-hydroxyphenylacetic acid: a new matrix for oligonucleotide hybridization. <i>Journal of Materials Science</i> , 2010, 45, 475-482.	1.7	24
16	Electrochemical Investigation of Oligonucleotide-DNA Hybridization on Poly(4-Methoxyphenethylamine). <i>International Journal of Molecular Sciences</i> , 2008, 9, 1173-1187.	1.8	23
17	Functional Epitope Core Motif of the <i>Anaplasma marginale</i> Major Surface Protein 1a and Its Incorporation onto Bioelectrodes for Antibody Detection. <i>PLoS ONE</i> , 2012, 7, e33045.	1.1	23
18	Use of 3,3',5,5' tetramethylbenzidine as new electrochemical indicator of DNA hybridization and its application in genosensor. <i>Biosensors and Bioelectronics</i> , 2016, 85, 226-231.	5.3	23

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19	Gold electrodes modified with poly(4-aminophenol): incorporation of nitrogenated bases and an oligonucleotide. <i>Polymer International</i> , 2008, 57, 644-650.	1.6	22
20	Electrodes modified with polyaminophenols: Immobilization of purines and pyrimidines. <i>Polymer Engineering and Science</i> , 2008, 48, 2043-2050.	1.5	21
21	New approach to immobilization and specific-sequence detection of nucleic acids based on poly(4-hydroxyphenylacetic acid). <i>Materials Science and Engineering C</i> , 2009, 29, 539-545.	3.8	21
22	Bioelectrode for detection of human salivary amylase. <i>Materials Science and Engineering C</i> , 2012, 32, 530-535.	3.8	21
23	Experimental and theoretical investigation of first hyperpolarizability in aminophenols. <i>Journal of Molecular Structure</i> , 2008, 892, 254-260.	1.8	18
24	Immunosensor assembled on polymeric nanostructures for clinical diagnosis of C-reactive protein. <i>Microchemical Journal</i> , 2017, 133, 572-576.	2.3	18
25	Carbon nanomaterial as platform for electrochemical genosensor: A system for the diagnosis of the hepatitis C in real sample. <i>Journal of Electroanalytical Chemistry</i> , 2019, 844, 6-13.	1.9	17
26	DNA electrochemical biosensor for detection of <i>Alicyclobacillus acidoterrestris</i> utilizing Hoechst 33258 as indicator. <i>Bioelectrochemistry</i> , 2021, 140, 107801.	2.4	16
27	Immunosensor for electro-detection of the C-reactive protein in serum. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1365-1372.	1.2	15
28	Poly(4-hydroxyphenylacetic acid): A new material for immobilization of biomolecules. <i>Polymer Engineering and Science</i> , 2008, 48, 1963-1970.	1.5	14
29	A promising bioelectrode based on gene of <i>Mycobacterium leprae</i> immobilized onto poly(4-aminophenol). <i>Journal of Applied Polymer Science</i> , 2010, 118, 2921-2928.	1.3	14
30	A new genosensor for meningococcal meningitis diagnosis using biological samples. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2339-2346.	1.2	12
31	A novel peptide-based sensor platform for detection of anti-Toxoplasma gondii immunoglobulins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 175, 112778.	1.4	12
32	Growth and characterisation of ZnO quantum dots in polyacrylamide. <i>Microelectronics Journal</i> , 2005, 36, 234-236.	1.1	11
33	Development of electrochemical genosensor for MYCN oncogene detection using rhodamine B as electroactive label. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2411-2418.	1.2	11
34	Development of direct assays for Toxoplasma gondii and its use in genomic DNA sample. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 838-844.	1.4	11
35	Reusable Immunosensor for Detection of C-reactive Protein in Human Serum. <i>Electroanalysis</i> , 2020, 32, 2316-2322.	1.5	10
36	Electropolymerization of hydroxyphenylacetic acid isomers and the development of a bioelectrode for the diagnosis of bacterial meningitis. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 1277-1287.	1.5	9

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37	Bioelectrode Applied to Diagnosis of Cardiac Disease. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6528-6538.	0.9	8
38	A novel polymer-based genosensor for the detection and quantification of <i>Streptococcus pneumoniae</i> in genomic DNA sample. <i>Polymer Engineering and Science</i> , 2018, 58, 1308-1314.	1.5	8
39	A Single Amino Acid Substitution in One of the Lipases of <i>Aspergillus nidulans</i> Confers Resistance to the Antimycotic Drug Undecanoic Acid. <i>Biochemical Genetics</i> , 2008, 46, 557-565.	0.8	7
40	Surface properties of sensors based on aminophenol-polymerized film. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 945-951.	1.2	7
41	A Novel and Reusable Electrochemical Genosensor for Detection of Beef Adulteration. <i>Electroanalysis</i> , 2021, 33, 296-303.	1.5	7
42	Electrochemical Biosensor for Sensitive Detection of Hepatitis B in Human Plasma. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 2604-2619.	1.4	7
43	Ninhydrin as a novel DNA hybridization indicator applied to a highly reusable electrochemical genosensor for <i>Candida auris</i> . <i>Talanta</i> , 2021, 235, 122694.	2.9	6
44	Quantum mechanical investigation of polymer formation from aminophenols. <i>Computational and Theoretical Chemistry</i> , 2009, 913, 28-37.	1.5	5
45	Biotechnological and Immunological Platforms Based on PGL-I Carbohydrate-Like Peptide of <i>Mycobacterium leprae</i> for Antibodies Detection Among Leprosy Clinical Forms. <i>Frontiers in Microbiology</i> , 2020, 11, 429.	1.5	5
46	Carbon ink-based electrodes modified with nanocomposite as a platform for electrochemical detection of HIV RNA. <i>Microchemical Journal</i> , 2021, 170, 106739.	2.3	5
47	Novel electrochemical platform based on copolymer poly(aniline-4-aminophenol) for application in immunosensor for thyroid hormones. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1751-1757.	1.2	4
48	A Biosensor Using Poly(4-Aminophenol)/acetylcholinesterase modified graphite electrode for the detection of dichlorvos. <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 1217-1222.	0.5	3
49	Development of a mimetic system for electrochemical detection of glutamate. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2479-2489.	1.2	3
50	Undecanoic acid resistance in filamentous fungi: Identification and linkage mapping of the <i>Aspergillus nidulans</i> <i>udaA</i> gene. <i>Journal of General and Applied Microbiology</i> , 2005, 51, 47-49.	0.4	2
51	Frontiers of biology in human diseases: strategies for biomolecule's discovery, nanobiotechnologies and biophotonics. <i>BMC Proceedings</i> , 2014, 8, .	1.8	2
52	Use of gold nanoparticles on graphite electrodes functionalized with poly (4-aminophenol) in the development of a bioelectrode for hepatitis B. <i>BMC Proceedings</i> , 2014, 8, .	1.8	2
53	Electrochemical DNA Biosensor for <i>Mycobacterium leprae</i> Identification. <i>Brazilian Archives of Biology and Technology</i> , 0, 64, .	0.5	1