

Rosa F Dutra

List of Publications by Year in descending order

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73
papers

2,483
citations

159525

30
h-index

206029

48
g-index

76
all docs

76
docs citations

76
times ranked

2960
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a selective molecularly imprinted polymer for troponin T detection: a theoretical-experimental approach. <i>Materials Today Communications</i> , 2022, 30, 102996.	0.9	1
2	Impedimetric Immunosensors for Clinical Practices: Focus on Point-of-Care Diagnostics. , 2022, , 283-304.		0
3	An ultrasensitive electrochemical immunosensor for hepatitis C antibodies based on one-step-electrosynthesized polypyrrole@graphene nanocomposite. <i>Journal of Materials Science</i> , 2022, 57, 5586-5595.	1.7	5
4	Plastic Antibody of Polypyrrole/Multiwall Carbon Nanotubes on Screen-Printed Electrodes for Cystatin C Detection. <i>Biosensors</i> , 2021, 11, 175.	2.3	16
5	A Label and Probe-Free Zika Virus Immunosensor Prussian Blue@carbon Nanotube-Based for Amperometric Detection of the NS2B Protein. <i>Biosensors</i> , 2021, 11, 157.	2.3	9
6	NS1 glycoprotein detection in serum and urine as an electrochemical screening immunosensor for dengue and Zika virus. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4873-4885.	1.9	12
7	A Novel Redox-free Immunosensor Concept Based on Cobalt Phthalocyanine@carbon Nanotubes Pseudocapacitor for Cardiac β -type Natriuretic Peptide Detection. <i>Electroanalysis</i> , 2021, 33, 2302-2309.	1.5	6
8	Non-structural protein 1 from Zika virus: Heterologous expression, purification, and potential for diagnosis of Zika infections. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 984-993.	3.6	2
9	Next generation of optodes coupling plastic antibody with optical fibers for selective quantification of Acid Green 16. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127553.	4.0	14
10	An ultrasensitive Cystatin C renal failure immunosensor based on a PPy/CNT electrochemical capacitor grafted on interdigitated electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110834.	2.5	27
11	Novel electrochemical genosensor for Zika virus based on a poly-(3-amino-4-hydroxybenzoic) Tj ETQq1 1 0.784314 μ gBT /Overlock 10 μ gBT	4.0	30
12	A probeless and label-free electrochemical immunosensor for cystatin C detection based on ferrocene functionalized-graphene platform. <i>Biosensors and Bioelectronics</i> , 2019, 138, 111311.	5.3	54
13	Transient Expression of Dengue Virus NS1 Antigen in <i>Nicotiana benthamiana</i> for Use as a Diagnostic Antigen. <i>Frontiers in Plant Science</i> , 2019, 10, 1674.	1.7	18
14	Redox probe-free readings of a β -amyloid-42 plastic antibody sensory material assembled on copper@carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 1-9.	4.0	43
15	Homemade 3-carbon electrode system for electrochemical sensing: Application to microRNA detection. <i>Microchemical Journal</i> , 2018, 138, 35-44.	2.3	25
16	Electrochemical immunosensor for differential diagnostic of <i>Wuchereria bancrofti</i> using a synthetic peptide. <i>Biosensors and Bioelectronics</i> , 2018, 113, 9-15.	5.3	9
17	Ultrasensitive Genosensor Based on Minor Groove Binding (MGB) Probe for L28B Single Nucleotide Polymorphism (SNP) Detection Using SYBR Green as Electrochemical Indicator. <i>Electroanalysis</i> , 2018, 30, 2847-2852.	1.5	1
18	A label-free and reagentless immunoelectrode for antibodies against hepatitis B core antigen (anti-HBc) detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 272-279.	2.5	20

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19	Engineering a plasmonic sensing platform for <i>Candida albicans</i> antigen identification. <i>Journal of Nanophotonics</i> , 2018, 12, 1.	0.4	18
20	Engineering of solution-based localized surface plasmon resonance platform for dengue diagnosis. , 2017, , .		2
21	<i>Cratylia mollis</i> lectin nanoelectrode for differential diagnostic of prostate cancer and benign prostatic hyperplasia based on label-free detection. <i>Biosensors and Bioelectronics</i> , 2016, 85, 171-177.	5.3	38
22	A gold nanoparticle piezoelectric immunosensor using a recombinant antigen for detecting <i>Leishmania infantum</i> antibodies in canine serum. <i>Biochemical Engineering Journal</i> , 2016, 110, 43-50.	1.8	16
23	A label-free electrochemical immunosensor for hepatitis B based on hyaluronic acid-carbon nanotube hybrid film. <i>Talanta</i> , 2016, 148, 209-215.	2.9	56
24	An ultrasensitive human cardiac troponin T graphene screen-printed electrode based on electropolymerized-molecularly imprinted conducting polymer. <i>Biosensors and Bioelectronics</i> , 2016, 77, 978-985.	5.3	103
25	Development of a localized surface plasmon resonance platform for <i>Candida albicans</i> antigen identification. , 2015, , .		1
26	Electrochemical detection of dengue virus NS1 protein with a poly(allylamine)/carbon nanotube layered immunoelectrode. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 194-200.	1.6	70
27	Detection of cardiac biomarker proteins using a disposable based on a molecularly imprinted polymer grafted onto graphite. <i>Mikrochimica Acta</i> , 2015, 182, 975-983.	2.5	26
28	Amino-Functionalization of Carbon Nanotubes by Using a Factorial Design: Human Cardiac Troponin T Immunosensing Application. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	26
29	A label-free electrochemical immunosensor based on an ionic organic molecule and chitosan-stabilized gold nanoparticles for the detection of cardiac troponin T. <i>Analyst</i> , The, 2014, 139, 5200-5208.	1.7	36
30	Detection of Parasite Antigens in <i>Leishmania infantum</i> -Infected Spleen Tissue by Monoclonal Antibody-, Piezoelectric-Based Immunosensors. <i>Journal of Parasitology</i> , 2014, 100, 73-78.	0.3	11
31	Novel sensory surface for creatine kinase electrochemical detection. <i>Biosensors and Bioelectronics</i> , 2014, 56, 217-222.	5.3	54
32	Protein-responsive polymers for point-of-care detection of cardiac biomarker. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 123-132.	4.0	85
33	Low IL10 serum levels as key factor for predicting the sustained virological response to IFN±/ribavirin in Brazilian patients with HCV carrying IL28B CT/TT genotype. <i>Human Immunology</i> , 2014, 75, 895-900.	1.2	9
34	A thiophene-modified screen printed electrode for detection of dengue virus NS1 protein. <i>Talanta</i> , 2014, 128, 505-510.	2.9	49
35	Electrochemical biosensor based on biomimetic material for myoglobin detection. <i>Electrochimica Acta</i> , 2013, 107, 481-487.	2.6	81
36	A carbon nanotube screen-printed electrode for label-free detection of the human cardiac troponin T. <i>Talanta</i> , 2013, 117, 431-437.	2.9	47

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37	An o-aminobenzoic acid film-based immunoelectrode for detection of the cardiac troponin T in human serum. <i>Biochemical Engineering Journal</i> , 2013, 71, 97-104.	1.8	25
38	A carbon nanotube-based electrochemical immunosensor for cardiac troponin T. <i>Microchemical Journal</i> , 2013, 109, 10-15.	2.3	124
39	Chitosan polymer as support to IgG immobilization for piezoelectric applications. <i>Applied Surface Science</i> , 2013, 274, 33-38.	3.1	6
40	Smart plastic antibody material (SPAM) tailored on disposable screen printed electrodes for protein recognition: Application to myoglobin detection. <i>Biosensors and Bioelectronics</i> , 2013, 45, 237-244.	5.3	86
41	Novel biosensing device for point-of-care applications with plastic antibodies grown on Au-screen printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 733-740.	4.0	31
42	A sensor tip based on carbon nanotube-ink printed electrode for the dengue virus NS1 protein. <i>Biosensors and Bioelectronics</i> , 2013, 44, 216-221.	5.3	109
43	A Simple HPV 18 Detection Method Based on Ultra Specific Primer Immobilized on Glass Slides. <i>Journal of Clinical Laboratory Analysis</i> , 2013, 27, 143-147.	0.9	2
44	Dengue immunoassay with an LSPR fiber optic sensor. <i>Optics Express</i> , 2013, 21, 27023.	1.7	76
45	Fiber Optic Sensor with Au Nanoparticles for Dengue Immunoassay. , 2013, , .		2
46	A disposable chitosan-modified carbon fiber electrode for dengue virus envelope protein detection. <i>Talanta</i> , 2012, 91, 41-46.	2.9	43
47	A label-free immunosensor based on recordable compact disk chip for early diagnostic of the dengue virus infection. <i>Biochemical Engineering Journal</i> , 2012, 67, 225-230.	1.8	44
48	Surface Imprinting Approach on Screen Printed Electrodes Coated with Carboxylated PVC for Myoglobin detection with Electrochemical Transduction. <i>Procedia Engineering</i> , 2012, 47, 865-868.	1.2	10
49	A novel xyloglucan film-based biosensor for toxicity assessment of ricin in castor seed meal. <i>Carbohydrate Polymers</i> , 2012, 89, 586-591.	5.1	8
50	A dual quartz crystal microbalance for human cardiac troponin T in real time detection. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 439-446.	4.0	41
51	Occurrence of Natural Vertical Transmission of Dengue-2 and Dengue-3 Viruses in <i>Aedes aegypti</i> and <i>Aedes albopictus</i> in Fortaleza, Cear�, Brazil. <i>PLoS ONE</i> , 2012, 7, e41386.	1.1	80
52	A Nanostructured Piezoelectric Immunosensor for Detection of Human Cardiac Troponin T. <i>Sensors</i> , 2011, 11, 10785-10797.	2.1	34
53	Cobalt phthalocyanine as a biomimetic catalyst in the amperometric quantification of dipyrone using FIA. <i>Talanta</i> , 2011, 85, 2067-2073.	2.9	38
54	Biossensor amperom�trico para determina�o de per�xido de hidrog�nio em leite. <i>Ecletica Quimica</i> , 2011, 36, 143-157.	0.2	3

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55	Myoglobin-biomimetic electroactive materials made by surface molecular imprinting on silica beads and their use as ionophores in polymeric membranes for potentiometric transduction. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4760-4766.	5.3	55
56	Artificial antibodies for troponin T by its imprinting on the surface of multiwalled carbon nanotubes: Its use as sensory surfaces. <i>Biosensors and Bioelectronics</i> , 2011, 28, 243-250.	5.3	72
57	A piezoelectric immunosensor for <i>Leishmania chagasi</i> antibodies in canine serum. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 917-925.	1.9	23
58	Partitioning of lactate dehydrogenase from bovine heart crude extract by polyethylene glycol-citrate aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2011, 301, 46-50.	1.4	22
59	Produção de anticorpos policlonais anti-ricina. <i>Ciencia E Agrotecnologia</i> , 2011, 35, 124-130.	1.5	4
60	Gold electrode modified by self-assembled monolayers of thiols to determine DNA sequences hybridization. <i>Journal of Chemical Sciences</i> , 2010, 122, 911-917.	0.7	28
61	Psychometric evaluation of a Brazilian version of the impact of weight on quality of life (IWQOL-Lite) instrument. <i>European Eating Disorders Review</i> , 2010, 18, 58-66.	2.3	9
62	Disposable immunosensor for human cardiac troponin T based on streptavidin-microsphere modified screen-printed electrode. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1062-1067.	5.3	71
63	Semiconducting Nanocomposites: Potential tools For Optoelectronic Applications. , 2010, , .		0
64	Potential of a simplified measurement scheme and device structure for a low cost label-free point-of-care capacitive biosensor. <i>Biosensors and Bioelectronics</i> , 2009, 25, 870-876.	5.3	62
65	An SPR immunosensor for human cardiac troponin T using specific binding avidin to biotin at carboxymethyl-dextran-modified gold chip. <i>Clinica Chimica Acta</i> , 2007, 376, 114-120.	0.5	97
66	Surface plasmon resonance immunosensor for human cardiac troponin T based on self-assembled monolayer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1744-1750.	1.4	92
67	Immobilization of urease on vapour phase stain etched porous silicon. <i>Process Biochemistry</i> , 2007, 42, 429-433.	1.8	25
68	An Inexpensive Biosensor for Uric Acid Determination in Human Serum by Flow-Injection Analysis. <i>Electroanalysis</i> , 2005, 17, 701-705.	1.5	17
69	Electrochemical potential of free and immobilized <i>Cratylia mollis</i> seed lectin. <i>Bioresource Technology</i> , 2003, 88, 255-258.	4.8	6
70	Surface plasmon resonance imaging applied to immunosensing. , 2001, 4254, 128.		0
71	Immobilization of pneumococcal polysaccharide vaccine on silicon oxide wafer for an acoustical biosensor. <i>Biosensors and Bioelectronics</i> , 2000, 15, 511-514.	5.3	21
72	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 579-583.	1.1	10

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73	Nanomaterials for Advancing the Health Immunosensor. , 0, , .		4