

Felismina T C Moreira

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,845
citations

236612

25
h-index

276539

41
g-index

58
all docs

58
docs citations

58
times ranked

2038
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel and simple electrochemical biosensor monitoring attomolar levels of miRNA-155 in breast cancer. <i>Biosensors and Bioelectronics</i> , 2016, 80, 621-630.	5.3	148
2	Towards timely Alzheimer diagnosis: A self-powered amperometric biosensor for the neurotransmitter acetylcholine. <i>Biosensors and Bioelectronics</i> , 2017, 87, 607-614.	5.3	88
3	Screen-printed electrode produced by printed-circuit board technology. Application to cancer biomarker detection by means of plastic antibody as sensing material. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 927-935.	4.0	87
4	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
5	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
6	Electrochemical biosensor based on biomimetic material for myoglobin detection. <i>Electrochimica Acta</i> , 2013, 107, 481-487.	2.6	81
7	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
8	Imprinting Technology in Electrochemical Biomimetic Sensors. <i>Sensors</i> , 2017, 17, 523.	2.1	62
9	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
10	Man-tailored biomimetic sensor of molecularly imprinted materials for the potentiometric measurement of oxytetracycline. <i>Biosensors and Bioelectronics</i> , 2010, 26, 566-574.	5.3	54
11	Novel sensory surface for creatine kinase electrochemical detection. <i>Biosensors and Bioelectronics</i> , 2014, 56, 217-222.	5.3	54
12	Electrochemical determination of antioxidant capacities in flavored waters by guanine and adenine biosensors. <i>Biosensors and Bioelectronics</i> , 2008, 24, 591-599.	5.3	47
13	Plastic antibody for the electrochemical detection of bacterial surface proteins. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 697-704.	4.0	45
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	Sensing CA 15-3 in point-of-care by electropolymerizing O-phenylenediamine (oPDA) on Au-screen printed electrodes. <i>PLoS ONE</i> , 2018, 13, e0196656.	1.1	41
16	Paper-Based Biosensors for COVID-19: A Review of Innovative Tools for Controlling the Pandemic. <i>ACS Omega</i> , 2021, 6, 29268-29290.	1.6	40
17	Sulfadiazine-Potentiometric Sensors for Flow and Batch Determinations of Sulfadiazine in Drugs and Biological Fluids. <i>Analytical Sciences</i> , 2009, 25, 365-371.	0.8	38
18	Smart naturally plastic antibody based on poly(β -cyclodextrin) polymer for β -amyloid-42 soluble oligomer detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 229-238.	4.0	33

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19	New biomimetic sensors for the determination of tetracycline in biological samples: Batch and flow mode operations. <i>Analytical Methods</i> , 2010, 2, 2039.	1.3	32
20	Ciprofloxacin-imprinted polymeric receptors as ionophores for potentiometric transduction. <i>Electrochimica Acta</i> , 2011, 56, 2017-2023.	2.6	32
21	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
22	Biomimetic norfloxacin sensors made of molecularly-imprinted materials for potentiometric transduction. <i>Mikrochimica Acta</i> , 2011, 172, 15-23.	2.5	29
23	Self-powered and self-signalled autonomous electrochemical biosensor applied to carcinoembryonic antigen determination. <i>Biosensors and Bioelectronics</i> , 2019, 140, 111320.	5.3	28
24	Electrochemical Point-of Care (PoC) Determination of Interleukin-6 (IL-6) Using a Pyrrole (Py) Molecularly Imprinted Polymer (MIP) on a Carbon-Screen Printed Electrode (C-SPE). <i>Analytical Letters</i> , 2021, 54, 2611-2623.	1.0	28
25	Paper-Based Platform with an In Situ Molecularly Imprinted Polymer for β -Amyloid. <i>ACS Omega</i> , 2020, 5, 12057-12066.	1.6	27
26	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
27	Homemade 3-carbon electrode system for electrochemical sensing: Application to microRNA detection. <i>Microchemical Journal</i> , 2018, 138, 35-44.	2.3	25
28	Antibody Biomimetic Material Made of Pyrrole for CA 15-3 and Its Application as Sensing Material in Ion-Selective Electrodes for Potentiometric Detection. <i>Biosensors</i> , 2018, 8, 8.	2.3	25
29	Novel biomimetic composite material for potentiometric screening of acetylcholine, a neurotransmitter in Alzheimer's disease. <i>Materials Science and Engineering C</i> , 2017, 79, 541-549.	3.8	24
30	Biomimetic sensors of molecularly-imprinted polymers for chlorpromazine determination. <i>Materials Science and Engineering C</i> , 2011, 31, 1121-1128.	3.8	23
31	Nanocellulose- based biosensor for colorimetric detection of glucose. <i>Sensing and Bio-Sensing Research</i> , 2020, 29, 100368.	2.2	22
32	A dye-sensitized solar cell acting as the electrical reading box of an immunosensor: Application to CEA determination. <i>Biosensors and Bioelectronics</i> , 2018, 107, 94-102.	5.3	21
33	Biomimetic materials assembled on a photovoltaic cell as a novel biosensing approach to cancer biomarker detection. <i>Scientific Reports</i> , 2018, 8, 10205.	1.6	19
34	Selective recognition in potentiometric transduction of amoxicillin by molecularly imprinted materials. <i>European Food Research and Technology</i> , 2011, 232, 39-50.	1.6	18
35	Development of an electrochemical biosensor for Galectin-3 detection in point-of-care. <i>Microchemical Journal</i> , 2021, 164, 105992.	2.3	18
36	Novel Electrochemical Molecularly Imprinted Polymer-Based Biosensor for Tau Protein Detection. <i>Chemosensors</i> , 2021, 9, 238.	1.8	18

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37	Colorimetric Paper-Based Sensors against Cancer Biomarkers. <i>Sensors</i> , 2022, 22, 3221.	2.1	18
38	Sulphonamide-imprinted sol-gel materials as ionophores in potentiometric transduction. <i>Materials Science and Engineering C</i> , 2011, 31, 1784-1790.	3.8	17
39	Novel optical PVC probes for on-site detection/determination of fluoroquinolones in a solid/liquid interface: Application to the determination of Norfloxacin in aquaculture water. <i>Biosensors and Bioelectronics</i> , 2012, 36, 199-206.	5.3	17
40	Plastic Antibody of Polypyrrole/Multiwall Carbon Nanotubes on Screen-Printed Electrodes for Cystatin C Detection. <i>Biosensors</i> , 2021, 11, 175.	2.3	16
41	Biomimetic Sensor Potentiometric System for Doxycycline Antibiotic Using a Molecularly Imprinted Polymer as an Artificial Recognition Element. <i>Sensor Letters</i> , 2011, 9, 1654-1660.	0.4	16
42	Molecularly-Imprinted Materials for Potentiometric Transduction: Application to the Antibiotic Enrofloxacin. <i>Analytical Letters</i> , 2011, 44, 2107-2123.	1.0	14
43	Photovoltaics, plasmonics, plastic antibodies and electrochromism combined for a novel generation of self-powered and self-signalled electrochemical biomimetic sensors. <i>Biosensors and Bioelectronics</i> , 2019, 137, 72-81.	5.3	14
44	New potentiometric sensors based on two competitive recognition sites for determining tetracycline residues using flow-through system. <i>Procedia Engineering</i> , 2010, 5, 1200-1203.	1.2	13
45	Paper-based aptasensor for colorimetric detection of osteopontin. <i>Analytica Chimica Acta</i> , 2022, 1198, 339557.	2.6	13
46	New molecularly-imprinted polymer for carnitine and its application as ionophore in potentiometric selective membranes. <i>Materials Science and Engineering C</i> , 2014, 43, 481-487.	3.8	12
47	Development of a biosensor for phosphorylated Tau 181 protein detection in Early-Stage Alzheimer's disease. <i>Bioelectrochemistry</i> , 2022, 145, 108057.	2.4	12
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	Sol-Gel-Based Biosensing Applied to Medicinal Science. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 245-255.	1.0	10
50	Potentiometric Biosensor Based on Artificial Antibodies for an Alzheimer Biomarker Detection. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3625.	1.3	10
51	Autonomous biosensing device merged with photovoltaic technology for cancer biomarker detection. <i>Journal of Electroanalytical Chemistry</i> , 2019, 855, 113611.	1.9	9
52	Recent Advances in the Selection of Cancer-Specific Aptamers for the Development of Biosensors. <i>Current Medicinal Chemistry</i> , 2022, 29, 5850-5880.	1.2	9
53	Haemoglobin smart plastic antibody material tailored with charged binding sites on silica nanoparticles: its application as an ionophore in potentiometric transduction. <i>RSC Advances</i> , 2013, 3, 26210.	1.7	8
54	Colorimetric cellulose-based test-strip for rapid detection of amyloid β -42. <i>Mikrochimica Acta</i> , 2021, 188, 334.	2.5	7

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55	The effect of method, standard and sample components on the total antioxidant capacity of commercial waters assessed by optical conventional assays. Food Chemistry, 2012, 134, 564-571.	4.2	5
56	Poly(Thionine)-Modified Screen-Printed Electrodes for CA 19-9 Detection and Its Properties in Raman Spectroscopy. Chemosensors, 2022, 10, 92.	1.8	5
57	Paper-based ELISA for fast CA 15â€³ detection in point-of-care. Microchemical Journal, 2022, 181, 107756.	2.3	4