

Ronaldo C Faria

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7705287/ronaldo-c-faria-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

2,229
citations

28
h-index

43
g-index

95
ext. papers

2,588
ext. citations

5.1
avg, IF

5.24
L-index

#	Paper	IF	Citations
92	Anodic stripping voltammetric determination of copper(II) using a functionalized carbon nanotubes paste electrode modified with crosslinked chitosan. <i>Sensors and Actuators B: Chemical</i> , 2009 , 142, 260-266	8.5	135
91	3D-printed supercapacitor-powered electrochemiluminescent protein immunoarray. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 188-93	11.8	123
90	Electrochemical detection of Salmonella using gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2013 , 40, 121-6	11.8	117
89	Automated multiplexed ECL Immunoarrays for cancer biomarker proteins. <i>Analytical Chemistry</i> , 2015 , 87, 4472-8	7.8	98
88	On-line protein capture on magnetic beads for ultrasensitive microfluidic immunoassays of cancer biomarkers. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 268-74	11.8	93
87	A simple method to produce 2D and 3D microfluidic paper-based analytical devices for clinical analysis. <i>Analytica Chimica Acta</i> , 2017 , 957, 40-46	6.6	80
86	A microfluidic electrochemiluminescent device for detecting cancer biomarker proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3831-8	4.4	78
85	Differential Pulse Voltammetric Determination of Paraquat Using a Bismuth-Film Electrode. <i>Electroanalysis</i> , 2010 , 22, 1260-1266	3	59
84	Fully disposable microfluidic electrochemical device for detection of estrogen receptor alpha breast cancer biomarker. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 156-162	11.8	58
83	Fast and flexible strategy to produce electrochemical paper-based analytical devices using a craft cutter printer to create wax barrier and screen-printed electrodes. <i>Talanta</i> , 2019 , 195, 480-489	6.2	54
82	Simple and rapid fabrication of disposable carbon-based electrochemical cells using an electronic craft cutter for sensor and biosensor applications. <i>Talanta</i> , 2016 , 146, 381-7	6.2	49
81	Electrochemical determination of estradiol using a thin film containing reduced graphene oxide and dihexadecylphosphate. <i>Materials Science and Engineering C</i> , 2014 , 37, 14-9	8.3	47
80	Disposable and flexible electrochemical sensor made by recyclable material and low cost conductive ink. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 840, 109-116	4.1	46
79	Pb(II) determination in natural water using a carbon nanotubes paste electrode modified with crosslinked chitosan. <i>Microchemical Journal</i> , 2014 , 116, 191-196	4.8	46
78	Synchrotron Structural Characterization of Electrochemically Synthesized Hexacyanoferrates Containing K ⁺ : A Revisited Analysis of Electrochemical Redox. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13264-13271	3.8	45
77	A new disposable microfluidic electrochemical paper-based device for the simultaneous determination of clinical biomarkers. <i>Talanta</i> , 2019 , 195, 62-68	6.2	45
76	Electrochemical paper-based microfluidic device for high throughput multiplexed analysis. <i>Talanta</i> , 2019 , 203, 280-286	6.2	42

75	Disposable Microfluidic Immunoarray Device for Sensitive Breast Cancer Biomarker Detection. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27433-27440	9.5	40
74	Simple disposable microfluidic device for Salmonella typhimurium detection by magneto-immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 684-691	8.5	40
73	Electrocatalytic Oxidation and Voltammetric Determination of Hydrazine in Industrial Boiler Feed Water Using a Cobalt Phthalocyanine-modified Electrode. <i>Analytical Letters</i> , 2008 , 41, 1010-1021	2.2	38
72	Electrochromic properties of lithium doped WO ₃ films prepared by the sol-gel process. <i>Electrochimica Acta</i> , 2001 , 46, 1977-1981	6.7	38
71	Rapid microfluidic immunoassays of cancer biomarker proteins using disposable inkjet-printed gold nanoparticle arrays. <i>ChemistryOpen</i> , 2013 , 2, 141-5	2.3	36
70	Electrical detection of pathogenic bacteria in food samples using information visualization methods with a sensor based on magnetic nanoparticles functionalized with antimicrobial peptides. <i>Talanta</i> , 2019 , 194, 611-618	6.2	34
69	Real-time monitoring and kinetic parameter estimation of the affinity interaction of jArtinM and rArtinM with peroxidase glycoprotein by the electrogravimetric technique. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 36-42	11.8	32
68	A Novel Synthetic Route to Nb ₂ O ₅ Thin Films for Electrochromic Devices. <i>Journal of the Electrochemical Society</i> , 1994 , 141, L29-L30	3.9	32
67	Hydrogen ion selective electrode based on poly(1-aminoanthracene) film. <i>Analytica Chimica Acta</i> , 1998 , 377, 21-27	6.6	28
66	The Influence of the Electrodeposition Conditions on the Electroanalytical Performance of the Bismuth Film Electrode for Lead Determination. <i>Electroanalysis</i> , 2008 , 20, 2259-2263	3	28
65	Development of a simple electrochemical sensor for the simultaneous detection of anticancer drugs. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 827, 64-72	4.1	28
64	Electrochromic properties of undoped and lithium doped Nb ₂ O ₅ films prepared by the sol-gel method. <i>Electrochimica Acta</i> , 2001 , 46, 2113-2118	6.7	26
63	A thermostated electrochemical flow cell with a coupled bismuth film electrode for square-wave anodic stripping voltammetric determination of cadmium(II) and lead(II) in natural, wastewater and tap water samples. <i>Talanta</i> , 2014 , 126, 82-90	6.2	24
62	High-throughput metabolic genotoxicity screening with a fluidic microwell chip and electrochemiluminescence. <i>Lab on A Chip</i> , 2013 , 13, 4554-62	7.2	24
61	Quartz Crystal Microbalance monitoring the real-time binding of lectin with carbohydrate with high and low molecular mass. <i>Microchemical Journal</i> , 2008 , 89, 153-158	4.8	24
60	Li ⁺ insertion into pure and doped amorphous WO ₃ films. Correlations between coloration kinetics, charge and mass accumulation. <i>Solid State Ionics</i> , 2003 , 158, 415-426	3.3	23
59	Early Diagnosis of Alzheimer's Disease in Blood Using a Disposable Electrochemical Microfluidic Platform. <i>ACS Sensors</i> , 2020 , 5, 1010-1019	9.2	21
58	Optical, electrochemical and electrogravimetric behavior of poly(1-methoxy-4-(2-ethyl-hexyloxy)-p-phenylene vinylene) (MEH-PPV) films. <i>Electrochimica Acta</i> , 2007 , 52, 4299-4304	6.7	20

57	Ultrasensitive immunoassay for detection of Citrus tristeza virus in citrus sample using disposable microfluidic electrochemical device. <i>Talanta</i> , 2019 , 205, 120110	6.2	19
56	Adsorption of cobalt ferrite nanoparticles within layer-by-layer films: a kinetic study carried out using quartz crystal microbalance. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 21233-42	3.6	18
55	Spot test for fast determination of hydrogen peroxide as a milk adulterant by smartphone-based digital image colorimetry. <i>Microchemical Journal</i> , 2020 , 157, 105042	4.8	18
54	Cathodically pretreated poly(1-aminoanthraquinone)-modified electrode for determination of ascorbic acid, dopamine, and uric acid. <i>Journal of Applied Electrochemistry</i> , 2013 , 43, 919-926	2.6	17
53	Electrochemical Determination of Norepinephrine on Cathodically Pretreated Poly(1,5-diaminonaphthalene) Modified Electrode. <i>Electroanalysis</i> , 2011 , 23, 1359-1364	3	17
52	Low-Cost and Rapid-Production Microfluidic Electrochemical Double-Layer Capacitors for Fast and Sensitive Breast Cancer Diagnosis. <i>Analytical Chemistry</i> , 2018 , 90, 12377-12384	7.8	17
51	Novel enzyme-free immunomagnetic microfluidic device based on CoZnFeO for cancer biomarker detection. <i>Analytica Chimica Acta</i> , 2019 , 1071, 59-69	6.6	16
50	New Disposable Electrochemical Paper-based Microfluidic Device with Multiplexed Electrodes for Biomarkers Determination in Urine Sample. <i>Electroanalysis</i> , 2020 , 32, 1075-1083	3	16
49	Multivariate linear regression with variable selection by a successive projections algorithm applied to the analysis of anodic stripping voltammetry data. <i>Electrochimica Acta</i> , 2014 , 127, 68-78	6.7	16
48	QCM immunoassay for recombinant cysteine peptidase: a potential protein biomarker for diagnosis of citrus canker. <i>Talanta</i> , 2013 , 104, 193-7	6.2	16
47	A versatile and robust electrochemical flow cell with a boron-doped diamond electrode for simultaneous determination of Zn ²⁺ and Pb ²⁺ ions in water samples. <i>Analytical Methods</i> , 2014 , 6, 8526-8534	3.2	14
46	Screening reactive metabolites bioactivated by multiple enzyme pathways using a multiplexed microfluidic system. <i>Analyst, The</i> , 2013 , 138, 171-8	5	14
45	Flow Injection Spectrophotometric Determination of N-Acetylcysteine and Captopril Employing Prussian Blue Generation Reaction. <i>Analytical Letters</i> , 2011 , 44, 2394-2405	2.2	13
44	A compact miniaturized continuous flow system for the determination of urea content in milk. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1525-33	4.4	13
43	An electrochemical analyzer for in situ flow determination of Pb(II) and Cd(II) in lake water with on-line data transmission and a global positioning system. <i>Analytical Methods</i> , 2015 , 7, 3105-3112	3.2	12
42	Spectroscopic, electrochemical, and microgravimetric studies on palladium phthalocyanine films. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005 , 09, 16-21	1.8	12
41	Non-enzymatic electrochemical determination of creatinine using a novel screen-printed microcell. <i>Talanta</i> , 2020 , 207, 120277	6.2	12
40	Prostate Cancer Diagnosis in the Clinic Using an 8-Protein Biomarker Panel. <i>Analytical Chemistry</i> , 2021 , 93, 1059-1067	7.8	12

39	A sensitive electrochemical detection of metronidazole in synthetic serum and urine samples using low-cost screen-printed electrodes modified with reduced graphene oxide and C60. <i>Journal of Pharmaceutical Analysis</i> , 2021 , 11, 646-652	14	11
38	Combining 3D printing and screen-printing in miniaturized, disposable sensors with carbon paste electrodes. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5633-5642	7.1	11
37	Converging Multidimensional Sensor and Machine Learning Toward High-Throughput and Biorecognition Element-Free Multidetermination of Extracellular Vesicle Biomarkers. <i>ACS Sensors</i> , 2020 , 5, 1864-1871	9.2	10
36	New approach for natural products screening by real-time monitoring of hemoglobin hydrolysis using quartz crystal microbalance. <i>Analytica Chimica Acta</i> , 2015 , 862, 86-93	6.6	10
35	EQCM study during lithium insertion/deinsertion processes in Nb2O5 films prepared by polymeric precursor method. <i>Solid State Ionics</i> , 2005 , 176, 1175-1180	3.3	10
34	Electrochemical Activation of the Natural Catalytic Cycle of Cytochrome P450s in Human Liver Microsomes. <i>Electroanalysis</i> , 2012 , 24, 2049-2052	3	9
33	Evaluation of turbidimetric and nephelometric techniques for analytical determination of n-acetylcysteine and thiamine in pharmaceutical formulations employing a lab-made portable microcontrolled turbidimeter and nephelometer. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 1968-1978	1.5	9
32	Electrochemically Prepared Polypyrrole-2-Carboxylic Acid Films: Synthesis Protocols and Studies on Biosensors. <i>Electroanalysis</i> , 2013 , 25, 741-749	3	8
31	Electrogravimetric real-time and in situ michaelis-menten enzymatic kinetics: progress curve of acetylcholinesterase hydrolysis. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 16605-10	3.4	8
30	Flow Injection Spectrophotometric Determination of Dipyrone in Pharmaceutical Formulations Using Fe(III) as Reagent. <i>Analytical Letters</i> , 2011 , 44, 340-348	2.2	8
29	Synthesis and electrochemical response of poly-(1-aminoanthracene) films. <i>Electrochimica Acta</i> , 1999 , 44, 1597-1605	6.7	8
28	COVID-19 diagnosis by SARS-CoV-2 Spike protein detection in saliva using an ultrasensitive magneto-assay based on disposable electrochemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2022 , 353, 131128	8.5	8
27	Role of sphingomyelin on the interaction of the anticancer drug gemcitabine hydrochloride with cell membrane models. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111357	6	8
26	Electrogravimetric Analysis by Quartz-Crystal Microbalance on the Consumption of the Neurotransmitter Acetylcholine by Acetylcholinesterase. <i>Analytical Letters</i> , 2013 , 46, 258-265	2.2	7
25	Label-free evaluation of small-molecule-protein interaction using magnetic capture and electrochemical detection. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2111-2119	4.4	6
24	Use of data processing for rapid detection of the prostate-specific antigen biomarker using immunomagnetic sandwich-type sensors. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2171-2181	3	6
23	Chemometric Strategies to Develop a Nanocomposite Electrode for Simultaneous Determination of Ascorbic Acid, Dopamine, and Uric Acid. <i>Electroanalysis</i> , 2013 , 25, 1988-1994	3	6
22	The Influence of the Cathodic Pretreatment on the Electrochemical Detection of Dopamine by Poly(1-aminoanthracene) Modified Electrode. <i>Electroanalysis</i> , 2010 , 22, 2284-2289	3	6

21	Construction and application of a portable microcontrolled turbidimeter for the in situ determination of sulfate. <i>Quimica Nova</i> , 2012 , 35, 802-807	1.6	6
20	A low-cost automated flow analyzer based on low temperature co-fired ceramic and LED photometer for ascorbic acid determination. <i>Open Chemistry</i> , 2014 , 12, 341-347	1.6	5
19	Jacalin interaction with human immunoglobulin A1 and bovine immunoglobulin G1: affinity constant determined by piezoelectric biosensing. <i>Glycobiology</i> , 2012 , 22, 326-31	5.8	5
18	DNA hybridization mechanism in an interfacial environment: What hides beneath first order k (s^{-1}) kinetic constant?. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 522-527	8.5	4
17	Real-time investigation of mannosyltransferase function of a <i>Xylella fastidiosa</i> recombinant GumH protein using QCM-D. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 408, 571-5	3.4	4
16	Conductometric determination of propranolol hydrochloride in pharmaceuticals. <i>Eletica Quimica</i> , 2011 , 36, 110-122	2.6	4
15	A Low-Cost Portable Microcontrolled Nephelometer for Potassium Determination. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 726-735	1.5	4
14	Constru e aplica de um minissensor de filme de bismuto utilizando materiais de baixo custo para determinas voltamricas in loco. <i>Quimica Nova</i> , 2012 , 35, 1016-1019	1.6	4
13	Disposable and Flexible Electrochemical Paper-based Analytical Devices Using Low-cost Conductive Ink. <i>Electroanalysis</i> , 2021 , 33, 1520-1527	3	4
12	Ultrasensitive magnetogenoassay for detection of microRNA for diagnosis of metastatic lymph nodes in head and neck cancer using disposable electrodes. <i>Sensors and Actuators B: Chemical</i> , 2021 , 352, 131040	8.5	3
11	Analytical Detection of Pesticides, Pollutants, and Pharmaceutical Waste in the Environment. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 87-129	0.8	3
10	A Compact Miniaturized Flow System Based on Low-Temperature Co-fired Ceramic Technology Coupled to LED Mini-photometer for Determination of Dipyrone in Pharmaceutical Formulations. <i>Journal of the Brazilian Chemical Society</i> , 2013 ,	1.5	2
9	Titulas potenciomricas de cions metlicos tendo como eletrodo indicador o sistema Cu/Cu(II)-EDTA. <i>Quimica Nova</i> , 2008 , 31, 227-231	1.6	2
8	A Non-enzymatic Ag/FeOOH Sensor for Hydrogen Peroxide Determination using Disposable Carbon-based Electrochemical Cells. <i>Electroanalysis</i> , 2020 , 32, 2231-2236	3	2
7	Disposable electrochemical microfluidic device for ultrasensitive detection of egg allergen in wine samples. <i>Talanta</i> , 2021 , 232, 122447	6.2	2
6	ArtinM Binding Effinities and Kinetic Interaction with Leukemia Cells: A Quartz Crystal Microbalance Bioelectroanalysis on the Cytotoxic Effect. <i>Electroanalysis</i> , 2017 , 29, 1554-1558	3	1
5	Influence of Cathodic Pretreatment in the Electrocatalytic Properties PANI Modified Electrodes. <i>Electroanalysis</i> , 2019 , 31, 766-770	3	0
4	Membrane model as key tool in the study of glutathione-s-transferase mediated anticancer drug resistance. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 145, 112426	7.5	0

- 3 Voltammetric sensing of tryptophan in dark chocolate bars, skimmed milk and urine samples in the presence of dopamine and caffeine. *Journal of Applied Electrochemistry*, 1 2.6 0
- 2 Sol-Gel Non-hydrolytic Synthesis of a Nanocomposite Electrolyte for Application in Lithium-ion Devices. *Materials Research Society Symposia Proceedings*, **2004**, 822, S3.1.1
- 1 Fundamentals for Virus and Antigen Detection in Immunotechnologies **2022**, 31-49