

Flvio Santos Damos

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6924689/flavio-santos-damos-publications-by-citations.pdf>

Version: 2024-04-26

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.

78
papers

1,525
citations

23
h-index

34
g-index

85
ext. papers

1,661
ext. citations

4.4
avg, IF

4.44
L-index

#	Paper	IF	Citations
78	Determination of thickness, dielectric constant of thiol films, and kinetics of adsorption using surface plasmon resonance. <i>Langmuir</i> , 2005 , 21, 602-9	4	97
77	Amperometric sensor for nitrite using a glassy carbon electrode modified with alternating layers of iron(III) tetra-(N-methyl-4-pyridyl)-porphyrin and cobalt(II) tetrasulfonated phthalocyanine. <i>Talanta</i> , 2006 , 70, 588-94	6.2	93
76	Voltammetric determination of 4-nitrophenol at a lithium tetracyanoethylene (LiTCNE) modified glassy carbon electrode. <i>Talanta</i> , 2004 , 64, 935-42	6.2	85
75	Dissolved oxygen sensor based on cobalt tetrasulphonated phthalocyanine immobilized in poly-L-lysine film onto glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2006 , 114, 1019-1027	8.5	65
74	An amperometric sensor based on electrochemically triggered reaction: Redox-active ArNO/ArNHOH from 4-nitrophthalonitrile-modified electrode for the low voltage cysteine detection. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 612, 87-96	4.1	54
73	Development of a label-free immunosensor based on surface plasmon resonance technique for the detection of anti-Leishmania infantum antibodies in canine serum. <i>Biosensors and Bioelectronics</i> , 2013 , 46, 22-9	11.8	50
72	Investigations of ultrathin polypyrrole films: Formation and effects of doping/dedoping processes on its optical properties by electrochemical surface plasmon resonance (ESPR). <i>Electrochimica Acta</i> , 2006 , 51, 1304-1312	6.7	38
71	Visible LED light photoelectrochemical sensor for detection of L-Dopa based on oxygen reduction on TiO ₂ sensitized with iron phthalocyanine. <i>Electrochemistry Communications</i> , 2016 , 62, 1-4	5.1	35
70	Ultrasensitive Determination of Malathion Using Acetylcholinesterase Immobilized on Chitosan-Functionalized Magnetic Iron Nanoparticles. <i>Biosensors</i> , 2018 , 8,	5.9	34
69	Dissolved oxygen amperometric sensor based on layer-by-layer assembly using host-guest supramolecular interactions. <i>Analytica Chimica Acta</i> , 2010 , 664, 144-50	6.6	34
68	Iron(III) tetra-(N-methyl-4-pyridyl)-porphyrin as a biomimetic catalyst of horseradish peroxidase on the electrode surface: an amperometric sensor for phenolic compound determinations. <i>Analyt. The</i> , 2003 , 128, 255-9	5	34
67	Amperometric sensor for nitrite based on copper tetrasulphonated phthalocyanine immobilized with poly-L-lysine film. <i>Talanta</i> , 2008 , 75, 333-8	6.2	32
66	Development of a sensor based on tetracyanoethylene (LiTCNE)/poly-L-lysine (PLL) for dopamine determination. <i>Electrochimica Acta</i> , 2005 , 50, 2675-2683	6.7	32
65	Development of a sensor for L-Dopa based on Co(DMG)(2)ClPy/multi-walled carbon nanotubes composite immobilized on basal plane pyrolytic graphite electrode. <i>Bioelectrochemistry</i> , 2012 , 86, 22-9	5.6	31
64	A highly sensitive amperometric sensor for oxygen based on iron(II) tetrasulfonated phthalocyanine and iron(III) tetra-(N-methyl-pyridyl)-porphyrin multilayers. <i>Analytica Chimica Acta</i> , 2008 , 612, 29-36	6.6	31
63	Cobalt tetrasulphonated phthalocyanine immobilized on poly-L-lysine film onto glassy carbon electrode as amperometric sensor for cysteine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 42, 184-91	3.5	30
62	SPR analysis of the interaction between a recombinant protein of unknown function in Leishmania infantum immobilised on dendrimers and antibodies of the visceral leishmaniasis: A potential use in immunodiagnosis. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 275-81	11.8	29

61	Simultaneous Determination of Caffeine and Acetylsalicylic Acid in Pharmaceutical Formulations Using a Boron-Doped Diamond Film Electrode by Differential Pulse Voltammetry. <i>Electroanalysis</i> , 2012 , 24, 1141-1146	3	27
60	Simultaneous Determination of Caffeine, Ibuprofen, and Paracetamol by Flow-injection Analysis with Multiple-pulse Amperometric Detection on Boron-doped Diamond Electrode. <i>Electroanalysis</i> , 2015 , 27, 2785-2791	3	25
59	Electrocatalytic activity of 2,3,5,6-tetrachloro-1,4-benzoquinone/multi-walled carbon nanotubes immobilized on edge plane pyrolytic graphite electrode for NADH oxidation. <i>Electrochimica Acta</i> , 2008 , 53, 4706-4714	6.7	25
58	Development of a voltammetric sensor for catechol in nanomolar levels using a modified electrode with Cu(phen) ₂ (TCNQ) ₂ and PLL. <i>Sensors and Actuators B: Chemical</i> , 2006 , 117, 274-281	8.5	25
57	Manganese phthalocyanine as a biomimetic electrocatalyst for phenols in the development of an amperometric sensor. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 1180-1187	1.5	24
56	Electrocatalysis of reduced L-glutathione oxidation by iron(III) tetra-(N-methyl-4-pyridyl)-porphyrin (FeT4MPyP) adsorbed on multi-walled carbon nanotubes. <i>Talanta</i> , 2008 , 76, 1097-104	6.2	24
55	Highly sensitive p-nitrophenol determination employing a new sensor based on N-Methylphenazonium methyl sulfate and graphene: Analysis in natural and treated waters. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 740-749	8.5	23
54	Functionalized Multiwalled Carbon Nanotube Electrochemical Sensor for Determination of Anticancer Drug Flutamide. <i>Journal of Electronic Materials</i> , 2017 , 46, 5619-5628	1.9	22
53	Improvement of the electrochemical properties of β s-grown boron-doped polycrystalline diamond electrodes deposited on tungsten wires using ethanol. <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 1449-1457	2.6	22
52	Study of poly(methylene blue) ultrathin films and its properties by electrochemical surface plasmon resonance. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 581, 231-240	4.1	22
51	Development of a photoelectrochemical sensor for detection of TBHQ antioxidant based on LiTCNE-TiO ₂ composite under visible LED light. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 774, 36-41	4.1	19
50	Determination of sildenafil citrate (Viagra [®]) in various pharmaceutical formulations by flow injection analysis with multiple pulse amperometric detection. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 1800-1806	1.5	18
49	Adsorption kinetic and properties of self-assembled monolayer based on mono(6-deoxy-6-mercapto)- β -cyclodextrin molecules. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 601, 181-193	4.1	18
48	Tetracyanoquinodimethanide adsorbed on a silica gel modified with titanium oxide for electrocatalytic oxidation of hydrazine. <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 631-638	2.6	18
47	Visible LED light driven photoelectroanalytical detection of antibodies of visceral leishmaniasis based on electrodeposited CdS film sensitized with Au nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 682-690	8.5	17
46	Application of horseradish peroxidase/polyaniline/bis(2-aminoethyl) polyethylene glycol-functionalized carbon nanotube composite as a platform for hydrogen peroxide detection with high sensitivity at low potential. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 2795-2804	2.6	17
45	The electrocatalytic activity of a supramolecular assembly of CoTsPc/FeT4MPyP on multi-walled carbon nanotubes towards L-glutathione, and its determination in human erythrocytes. <i>Mikrochimica Acta</i> , 2010 , 171, 169-178	5.8	17
44	Development and evaluation of a SPR-based immunosensor for detection of anti-Trypanosoma cruzi antibodies in human serum. <i>Sensors and Actuators B: Chemical</i> , 2015 , 212, 287-296	8.5	16

43	Study of the effects of surface pKa and electron transfer kinetics of electroactive 4-nitrothiophenol/4-mercaptobenzoic acid binary SAM on the simultaneous determination of epinephrine and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 703, 158-165	4.1	16
42	Electrocatalytic determination of reduced glutathione in human erythrocytes. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1891-7	4.4	16
41	Highly Sensitive and Selective Basal Plane Pyrolytic Graphite Electrode Modified with 1,4-Naphthoquinone/MWCNT for Simultaneous Determination of Dopamine, Ascorbate and Urate. <i>Electroanalysis</i> , 2013 , 25, 723-731	3	15
40	Investigations of nanometric films of doped polyaniline by using electrochemical surface plasmon resonance and electrochemical quartz crystal microbalance. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 589, 70-81	4.1	15
39	Photoelectrochemical determination of tert-butylhydroquinone in edible oil samples employing CdSe/ZnS quantum dots and LiTCNE. <i>Food Chemistry</i> , 2017 , 227, 16-21	8.5	14
38	DNA and graphene as a new efficient platform for entrapment of methylene blue (MB): Studies of the electrocatalytic oxidation of Nicotinamide adenine dinucleotide. <i>Electrochimica Acta</i> , 2013 , 111, 543-551	6.7	14
37	Electrochemical properties of self-assembled monolayer based on mono-(6-deoxy-6-mercapto)- β -cyclodextrin toward controlled molecular recognition. <i>Electrochimica Acta</i> , 2007 , 53, 1945-1953	6.7	14
36	Evaluation of a novel composite based on functionalized multi-walled carbon nanotube and iron phthalocyanine for electroanalytical determination of isoniazid. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 1089-1099	2.6	13
35	Self-powered Photoelectrochemical Sensor for Gallic Acid Exploiting a CdSe/ZnS Core-shell Quantum Dot Sensitized TiO ₂ as Photoanode. <i>Electroanalysis</i> , 2018 , 30, 1750-1756	3	12
34	Self-powered sensor for tannic acid exploiting visible LED light as excitation source. <i>Electrochimica Acta</i> , 2018 , 274, 67-73	6.7	12
33	A glassy carbon electrode modified with an iron N4-macrocycle and reduced graphene oxide for voltammetric sensing of dissolved oxygen. <i>Mikrochimica Acta</i> , 2016 , 183, 1251-1259	5.8	12
32	A novel platform based on graphene/poly(3,4-ethylenedioxythiophene)/iron (III) hexacyanoferrate (II) composite film for electrocatalytic reduction of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2014 , 732, 93-100	4.1	12
31	Ultrasensitive biosensor for detection of organophosphorus pesticides based on a macrocycle complex/carbon nanotubes composite and 1-methyl-3-octylimidazolium tetrafluoroborate as binder compound. <i>Analytical Sciences</i> , 2015 , 31, 29-35	1.7	12
30	Photoelectroanalytical Sensor Based on TiO ₂ Nanoparticles/Copper Tetrasulfonated Phthalocyanine for Detection of Dopamine Exploiting Light Emitting Diode Irradiation. <i>Electroanalysis</i> , 2016 , 28, 2087-2092	3	12
29	A Sensitive Sensor Based on CuTSPc and Reduced Graphene Oxide for Simultaneous Determination of the BHA and TBHQ Antioxidants in Biodiesel Samples. <i>Electroanalysis</i> , 2016 , 28, 2930-2938	3	11
28	Development of a novel sensor for isoniazid based on 2,3-dichloro-5,6-dicyano-p-benzoquinone and graphene: Application in drug samples utilized in the treatment of tuberculosis. <i>Microchemical Journal</i> , 2016 , 128, 226-234	4.8	11
27	Photoelectrochemical sensing of tannic acid based on the use of TiO ₂ sensitized with 5-methylphenazinium methosulfate and carboxy-functionalized CdTe quantum dots. <i>Mikrochimica Acta</i> , 2018 , 185, 521	5.8	11
26	Exploiting charge/ions compensating processes in PANI/SPANI/reduced graphene oxide composite for development of a high sensitive H ₂ O ₂ sensor. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 752, 75-84	4.1	10

25	Aplicações de QCM, EIS e SPR na investigação de superfícies e interfaces para o desenvolvimento de (bio)sensores. <i>Quimica Nova</i> , 2004 , 27, 970-979	1.6	10
24	Applicability of a novel immunoassay based on surface plasmon resonance for the diagnosis of Chagas disease. <i>Clinica Chimica Acta</i> , 2016 , 454, 39-45	6.2	9
23	Photoelectrochemical immunodiagnosis of canine leishmaniasis using cadmium-sulfide-sensitized zinc oxide modified with synthetic peptides. <i>Electrochemistry Communications</i> , 2017 , 82, 75-79	5.1	9
22	Photoelectrochemical-assisted determination of caffeic acid exploiting a composite based on carbon nanotubes, cadmium telluride quantum dots, and titanium dioxide. <i>Analytical Methods</i> , 2019 , 11, 4775-4784	3.2	8
21	A Novel Sensor Based on Manganese azo-Macrocycle/Carbon Nanotubes to Perform the Oxidation and Reduction Processes of Two Diphenol Isomers. <i>Electroanalysis</i> , 2014 , 26, 602-611	3	8
20	Highly sensitive photoelectrochemical immunosensor based on anatase/rutile TiO ₂ and Bi ₂ S ₃ for the zero-biased detection of PSA. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 1801-1809	2.6	7
19	Development of a self-powered photoelectrochemical system (SPPS) for the determination of propyl gallate. <i>Microchemical Journal</i> , 2019 , 148, 424-432	4.8	6
18	Amperometric Photosensor Based on Acridine Orange/TiO ₂ for Chlorogenic Acid Determination in Food Samples. <i>Food Analytical Methods</i> , 2018 , 11, 2731-2741	3.4	6
17	Exploiting CdSe/ZnS core-shell photocatalyst modified with cytochrome c for epinephrine determination in drugs utilized in cardiopulmonary resuscitation. <i>Microchemical Journal</i> , 2018 , 139, 18-23	4.8	6
16	Electrochemical sensor for detection of imipramine antidepressant at low potential based on oxidized carbon nanotubes, ferrocenecarboxylic acid, and cyclodextrin: application in psychotropic drugs and urine samples. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 1385-1394	2.6	6
15	Immunodiagnostic of leprosy exploiting a photoelectrochemical platform based on a recombinant peptide mimetic of a Mycobacterium leprae antigen. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111625	11.8	5
14	Development of an electroactive layer-by-layer assembly based on host-guest supramolecular interactions. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 639, 36-42	4.1	5
13	Photoelectrochemical platform for sensing propyl gallate in edible oil samples based on CdTe quantum dots and poly(D-glucosamine). <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 725-734	2.6	5
12	Sensitive Electroanalytical Detection on GCE: the Case of Lipoic Acid and its Interaction with N-acetylcysteine and Glutathione. <i>Electroanalysis</i> , 2016 , 28, 2818-2826	3	4
11	High Sensitive Microsensor Based on Organic-Inorganic Composite for Two-Dimensional Mapping of H ₂ O ₂ by SECM. <i>Electroanalysis</i> , 2015 , 27, 1202-1209	3	4
10	Improved NADH Electroanalysis on Nickel(II) Phthalocyanine Tetrasulfonic Acid/ Calf Thymus Deoxyribonucleic Acid/Reduced Graphene Oxide Composite. <i>Journal of the Brazilian Chemical Society</i> , 2017 ,	1.5	3
9	Photoelectrochemical Immunosensor for Sensitive Quantification of Prostate Specific Antigen in Human Serum Samples Exploiting BaTiO ₃ QDs. <i>ChemElectroChem</i> , 2020 , 7, 3140-3150	4.3	2
8	Determination of Colchicine in Pharmaceutical Formulations and Urine by Multiple-Pulse Amperometric Detection in an FIA System Using Boron-Doped Diamond Electrode. <i>Journal of the Brazilian Chemical Society</i> , 2018 ,	1.5	2

7	A Simple, Cost-effective, and Environmentally Friendly Method for Determination of Ciprofloxacin in Drugs and Urine Samples Based on Electrogenerated Chemiluminescence. <i>Electroanalysis</i> , 2020 , 32, 1498-1506	3	1
6	Light-emitting Diode-assisted Determination of 2-(1,1-Dimethylethyl)-1,4-Benzenediol in Cosmetic Samples Exploiting TiO ₂ Sensitized with Lithium 7,7,8,8-Tetracyanoquinodimethanide. <i>Electroanalysis</i> , 2018 , 30, 748-756	3	1
5	Photoelectrochemical biosensor for 1,4-dihydroxybenzene based on copper sulfide and horseradish peroxidase enzyme: Application in skin cream samples. <i>Microchemical Journal</i> , 2020 , 159, 105487	4.8	1
4	Photoelectrochemical-assisted Batch Injection Analysis (PEC-BIA) of Glucose Exploiting Visible LED Light as an Excitation Source. <i>Electroanalysis</i> , 2020 , 32, 1608-1617	3	0
3	Photoelectrochemical Sensor for Isoniazid: Application in Drugs Used in the Treatment of Tuberculosis. <i>Electroanalysis</i> , 2021 , 33, 1936-1944	3	0
2	Electroanalysis of Hydrazine and Related Compounds by Oxidation Promoted with MN ₄ Macrocylics 2016 , 201-223		0
1	Dual-photoelectrode photoelectrochemical cell exploiting a photoanode based on cadmium sulfide and anatase TiO ₂ photocatalysts for tannic acid detection. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 2213-2224	2.6	