

Eric De S Gil

List of Publications by Year in descending order

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110
papers

1,726
citations

361045

20
h-index

360668

35
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111
all docs

111
docs citations

111
times ranked

2359
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavonoid electrochemistry: a review on the electroanalytical applications. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 542-558.	0.6	140
2	Natural phenolic antioxidants electrochemistry: Towards a new food science methodology. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 1680-1726.	5.9	134
3	Electrochemical behavior and determination of major phenolic antioxidants in selected coffee samples. <i>Food Chemistry</i> , 2016, 190, 506-512.	4.2	82
4	Voltammetric and spectrometric determination of antioxidant capacity of selected wines. <i>Electrochimica Acta</i> , 2014, 128, 25-31.	2.6	71
5	Electroanalytical tools for antioxidant evaluation of red fruits dry extracts. <i>Food Chemistry</i> , 2017, 217, 326-331.	4.2	56
6	Antioxidant potential and vasodilatory activity of fermented beverages of jabuticaba berry (<i>Myrciaria</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	50
7	Flavonoids electrochemical detection in fruit extracts and total antioxidant capacity evaluation. <i>Talanta</i> , 2016, 154, 284-291.	2.9	50
8	Antioxidant and vasodilatory activity of commercial beers. <i>Journal of Functional Foods</i> , 2017, 34, 130-138.	1.6	43
9	Electrochemical biosensors in pharmaceutical analysis. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2010, 46, 375-391.	1.2	43
10	Guaicolic spices curcumin and capsaicin electrochemical oxidation behaviour at a glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2012, 682, 83-89.	1.9	42
11	Antioxidant activity evaluation of dried herbal extracts: an electroanalytical approach. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 325-332.	0.6	40
12	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.	1.5	34
13	Electroanalysis and laccase-based biosensor on the determination of phenolic content and antioxidant power of honey samples. <i>Food Chemistry</i> , 2017, 237, 1118-1123.	4.2	34
14	Pharmacokinetic evaluation of LASSBio-579: an <i>N</i> -phenylpiperazine antipsychotic prototype. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 699-707.	1.2	33
15	The vasorelaxant effect of gallic acid involves endothelium-dependent and -independent mechanisms. <i>Vascular Pharmacology</i> , 2016, 81, 69-74.	1.0	32
16	Cyclic voltammetry and computational chemistry studies on the evaluation of the redox behavior of parabens and other analogues. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 565-572.	0.6	29
17	Optimization of laccase- alginate- chitosan-based matrix toward 17 Î±-ethinylestradiol removal. <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 375-383.	1.0	26
18	Electrochemical behavior of the cotinine at a boron-doped diamond electrode and its determination in saliva by multiple-pulse amperometry in an FIA system. <i>Electrochimica Acta</i> , 2016, 222, 331-337.	2.6	25

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19	<i>Solanum melongena</i> polyphenol oxidase biosensor for the electrochemical analysis of paracetamol. Preparative Biochemistry and Biotechnology, 2016, 46, 850-855.	1.0	22
20	Neuroprotective Effect of <i>Caryocar brasiliense</i> Camb. Leaves Is Associated with Anticholinesterase and Antioxidant Properties. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	1.9	22
21	Electrochemical evaluation of rhodium dimer-DNA interactions. Journal of Pharmaceutical and Biomedical Analysis, 2002, 29, 579-584.	1.4	21
22	Efficient electrochemical remediation of microcystin-LR in tap water using designer TiO ₂ @carbon electrodes. Scientific Reports, 2017, 7, 41326.	1.6	20
23	Cupuaçu (Theobroma grandiflorum) residue and its potential application in the bioremediation of 17- β -ethinylestradiol as a Pycnoporus sanguineus laccase inducer. Preparative Biochemistry and Biotechnology, 2018, 48, 541-548.	1.0	20
24	Host-guest system of 4-nerolidylcatechol in 2-hydroxypropyl- β -cyclodextrin: preparation, characterization and molecular modeling. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 64, 23-35.	1.6	19
25	Microencapsulation of jaboticaba extracts (Myrciaria cauliflora): Evaluation of their bioactive and thermal properties in cassava starch biscuits. LWT - Food Science and Technology, 2021, 137, 110460.	2.5	19
26	Radical Scavenger Capacity of Jaboticaba Fruit (<i>Myrciaria cauliflora</i>) and Its Biological Effects in Hypertensive Rats. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-10.	1.9	18
27	Voltammetric Evaluation of Diclofenac Tablets Samples through Carbon Black-Based Electrodes. Pharmaceuticals, 2019, 12, 83.	1.7	18
28	Ecotoxicological assessment and electrochemical remediation of doxorubicin. Ecotoxicology and Environmental Safety, 2019, 179, 143-150.	2.9	18
29	Development of a Polyphenol Oxidase Biosensor from Jenipapo Fruit Extract (Genipa americana L.) and Determination of Phenolic Compounds in Textile Industrial Effluents. Biosensors, 2018, 8, 47.	2.3	17
30	Anodic Behaviour of Flavonoids Orientin, Eriodictyol and Robinin at a Glassy Carbon Electrode. Electroanalysis, 2012, 24, 1576-1583.	1.5	16
31	Vasorelaxant and Hypotensive Effects of Jaboticaba Fruit (<i>Myrciaria cauliflora</i>) Extract in Rats. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-8.	0.5	16
32	Differential Pulse Voltammetric Determination of Albendazole and Mebendazole in Pharmaceutical Formulations Based on Modified Sonogel Carbon Paste Electrodes with Perovskite-Type LaFeO ₃ Nanoparticles. Journal of the Electrochemical Society, 2016, 163, B428-B434.	1.3	16
33	A novel chalcone derivative, LQFM064, induces breast cancer cells death via p53, p21, KIT and PDGFRA. European Journal of Pharmaceutical Sciences, 2017, 107, 1-15.	1.9	16
34	Antioxidant and Neuroprotective Properties of <i>Eugenia dysenterica</i> Leaves. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-9.	1.9	16
35	Bio-electro oxidation of indigo carmine by using microporous activated carbon fiber felt as anode and bioreactor support. Chemosphere, 2017, 186, 519-526.	4.2	15
36	Electrochemical properties of Doyle catalyst immobilized on carbon paste in the presence of DNA. Bioelectrochemistry, 2000, 51, 145-149.	2.4	14

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37	Biotransformation of LASSBio-579 and pharmacological evaluation of p -hydroxylated metabolite a N -phenylpiperazine antipsychotic lead compound. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 214-221.	2.6	14
38	Selective Determination of Verapamil in Pharmaceuticals and Urine Using a Boronâ€doped Diamond Electrode Coupled to Flow Injection Analysis with Multipleâ€pulse Amperometric Detection. <i>Electroanalysis</i> , 2018, 30, 1880-1885.	1.5	14
39	Altered electrochemistry of amiloride drug on boron-doped diamond electrode: Rapid and selective detection in urine by square-wave cathodic stripping voltammetry for application in doping control. <i>Electrochimica Acta</i> , 2021, 373, 137891.	2.6	14
40	Nanostructured TiO2 Carbon Paste Based Sensor for Determination of Methyldopa. <i>Pharmaceuticals</i> , 2018, 11, 99.	1.7	13
41	Starch adulteration in turmeric samples through multivariate analysis with infrared spectroscopy. <i>Food Chemistry</i> , 2021, 340, 127899.	4.2	13
42	Biosensor Based on Brut Extract from Laccase (<i>Pycnoporus sanguineus</i>) for Environmental Analysis of Phenolic Compounds. <i>Portugaliae Electrochimica Acta</i> , 2009, 27, 215-225.	0.4	13
43	Methoxylation and Glycosylation Effect on the Redox Mechanism of Citroflavones. <i>Electroanalysis</i> , 2012, 24, 1019-1026.	1.5	12
44	Hydroxyanthraquinones Carminic Acid and Chrysazin Anodic Oxidation. <i>Electroanalysis</i> , 2012, 24, 2079-2084.	1.5	11
45	Electrochemical remediation of amoxicillin: detoxification and reduction of antimicrobial activity. <i>Chemico-Biological Interactions</i> , 2018, 291, 162-170.	1.7	11
46	Effective degradation of the antineoplastic doxorubicin by electrochemical oxidation on boron doped diamond. <i>Journal of Electroanalytical Chemistry</i> , 2020, 870, 114252.	1.9	11
47	Determination of Methyldopa and Paracetamol in Pharmaceutical Samples by a Low Cost <i>Genipa americana</i> L. Polyphenol Oxidase Based Biosensor. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 416-422.	0.6	11
48	Electrochemical behavior of rhodium acetamidate immobilized on a carbon paste electrode: a hydrazine sensor. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 304-310.	0.6	11
49	Chemoprotective effect of the tetrahydrofuran lignan grandisin in the in-vivo rodent micronucleus assay. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 447-451.	1.2	10
50	Improved Detection of Ascorbic Acid with a Bismuth-Silver Nanosensor. <i>Food Analytical Methods</i> , 2016, 9, 2560-2566.	1.3	10
51	Antioxidant Capacity and Total Phenol Content in Hop and Malt Commercial Samples. <i>Electroanalysis</i> , 2017, 29, 2788-2792.	1.5	10
52	The Use of a Polyphenoloxidase Biosensor Obtained from the Fruit of Jurubeba (<i>Solanum paniculatum</i>) Tj ETQq0 0 0 ggBT /Overlock 10 T	2.3	10
53	Electrocoagulation of the indigo carmine dye using electrodes produced from the compression of metallurgical filing wastes. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1657-1662.	1.8	10
54	Assessment of Noni (<i>Morinda citrifolia</i> L.) Product Authenticity by Solid State Voltammetry. <i>International Journal of Electrochemical Science</i> , 2018, 13, 8983-8994.	0.5	10

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55	Pharmacological evaluation and molecular docking of new di-tert-butylphenol compound, LQFM-091, a new dual 5-LOX/COX inhibitor. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 231-243.	1.9	9
56	A new piperazine derivative: 1-(4-(3,5-di-tert-butyl-4-hydroxybenzyl) piperazin-1-yl)-2-methoxyethan-1-one with antioxidant and central activity. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 255-269.	1.4	9
57	Electrochemical Characterization of Central Action Tricyclic Drugs by Voltammetric Techniques and Density Functional Theory Calculations. <i>Pharmaceuticals</i> , 2019, 12, 116.	1.7	9
58	Differential Pulse Voltammetric Determination of Piroxicam on Lanthanide Ferric Oxide Nanoparticles-Carbon Paste Modified Electrode. <i>Current Pharmaceutical Analysis</i> , 2018, 14, 271-276.	0.3	9
59	Predictive Modelling to Study the Electrochemical Behaviour of PdO, TiO ₂ and Perovskite-Type LaFeO ₃ Modified Carbon Paste Electrodes. <i>TraektoriĀ Nauki</i> , 2019, 5, 4001-4007.	0.1	9
60	Alguns aspectos de imunoensaios aplicados Ā quĀmica analĀtica. <i>Quimica Nova</i> , 1999, 22, 874.	0.3	8
61	Water Soluble Cyclophosphamide Adducts of Rhodium(II) Keto-Gluconate and Glucuronate. Synthesis, Characterization and In Vitro Cytostatic Assays. <i>Metal-Based Drugs</i> , 1999, 6, 19-24.	3.8	8
62	Electrochemical characterizations of darbufelone, a di-tert-butylphenol derivative, by voltammetric techniques and density functional theory calculations. <i>Electrochimica Acta</i> , 2018, 268, 462-468.	2.6	8
63	A New Strategy for the Analysis of Steroid Hormones in Industrial Wastewaters by Paper Spray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2250-2257.	1.2	8
64	Application of Electrocoagulation with a New Steel-Swarf-Based Electrode for the Removal of Heavy Metals and Total Coliforms from Sanitary Landfill Leachate. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5009.	1.3	8
65	Voltametria de Pulso Diferencial (VPD) em estado sĀlido de manchas de Cromatografia de Camada Delgada (CCD): um novo mĀtodo de anĀlise para fitoativos antioxidantes. <i>Quimica Nova</i> , 2011, 34, 330-334.	0.3	7
66	Electroanalysis for Quality Control of Acerola (<i>Malpighia emarginata</i>) Fruits and their Commercial Products. <i>Food Analytical Methods</i> , 2015, 8, 86-92.	1.3	7
67	Impedimetric Biosensor for Bovine Herpesvirus Type 1Āntigen Detection. <i>Electroanalysis</i> , 2020, 32, 1100-1106.	1.5	7
68	Antioxidant activity of thirty-six peppers varieties and vasorelaxant of selected varieties. <i>Food Bioscience</i> , 2021, 41, 100989.	2.0	7
69	Correlation of polyphenol content and antioxidant capacity of selected teas and tisanes from Brazilian market. <i>Brazilian Journal of Food Technology</i> , 0, 23, .	0.8	7
70	Aspectos tĀcnicos e legais do gerenciamento de resĀduos quĀmico-farmacĀuticos. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , 2007, 43, 19-29.	0.5	6
71	Electrochemical remediation of industrial pharmaceutical wastewater containing hormones in a pilot scale treatment system. <i>Eletica Quimica</i> , 2019, 44, 40.	0.2	6
72	Evaluation of Antioxidant Potential of Commercial Cinnamon Samples and Its Vasculature Effects. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-13.	1.9	6

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73	Efficient Enzyme-Free Biomimetic Sensors for Natural Phenol Detection. <i>Molecules</i> , 2016, 21, 1060.	1.7	5
74	Enzymatic Electroanalytical Biosensor Based on <i>Maramiellus colocasiae</i> Fungus for Detection of Phytomarkers in Infusions and Green Tea Kombucha. <i>Biosensors</i> , 2021, 11, 91.	2.3	5
75	Potencialidades da utilização de compostos de rádio na confecção de sensores eletroquímicos: uma breve revisão. <i>Química Nova</i> , 1998, 21, 755-760.	0.3	4
76	Biosynthesis and antioxidant activity of 4NRC β -glycoside. <i>Tetrahedron Letters</i> , 2013, 54, 6656-6659.	0.7	4
77	Electrochemical Behavior of Crude Extract of <i>Brosimum gaudchaudii</i> and Its Major Bioactives, Psoralen and Bergapten. <i>International Journal of Electrochemical Science</i> , 2016, 11, 9519-9528.	0.5	4
78	Electrochemical Behavior and Antioxidant Activity of Hibalactone. <i>International Journal of Electrochemical Science</i> , 2017, , 7956-7964.	0.5	4
79	Electrochemical characterization of a novel nimesulide anti-inflammatory drug analog: LQFM-091. <i>Journal of Electroanalytical Chemistry</i> , 2018, 818, 92-96.	1.9	4
80	Raman Spectroscopy vs Voltammetry: A Voltammetric Approach to Elucidate Different Chemicals in a Range of Pharmaceutical Tablets. <i>Journal of the Electrochemical Society</i> , 2019, 166, H580-H586.	1.3	4
81	Simultaneous Detection of Paracetamol, Ascorbic Acid, and Caffeine Using a Bismuth-Silver Nanosensor. <i>Electroanalysis</i> , 2020, 32, 3098-3107.	1.5	4
82	Anti-inflammatory and antinociceptive activity profile of a new lead compound "LQFM219. <i>International Immunopharmacology</i> , 2020, 88, 106893.	1.7	4
83	Piroxicam voltammetric determination by ultra low cost pencil graphite electrode. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 56, .	1.2	4
84	Redox behaviour of verbascoside and rosmarinic acid. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013, 16, 92-7.	0.6	4
85	Electrochemical Behavior and Determination of Fluconazole. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 767-771.	0.6	3
86	Voltammetric determination of Rutin at Screen-Printed carbon disposable electrodes. <i>Open Chemistry</i> , 2012, 10, 1609-1616.	1.0	3
87	Photoprotective effect and acute oral systemic toxicity evaluation of the novel heterocyclic compound LQFM048. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 161, 50-58.	1.7	3
88	Poly(Alizarin Red S) on pyrolytic graphite electrodes as a new multi-electronic system for sensing oxandrolone in urine. <i>Biosensors and Bioelectronics</i> , 2021, 185, 113234.	5.3	3
89	Arrowroot and Cassava Mixed Starch Products Identification by Raman Analysis with Chemometrics. <i>Polysaccharides</i> , 2021, 2, 715-719.	2.1	3
90	Anxiolytic- and antidepressant-like effects of new phenylpiperazine derivative LQFM005 and its hydroxylated metabolite in mice. <i>Behavioural Brain Research</i> , 2022, 417, 113582.	1.2	3

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91	Development and Optimization of Solanum Lycocarpum Polyphenol Oxidase-Based Biosensor and Application towards Paracetamol Detection. <i>Advanced Pharmaceutical Bulletin</i> , 2020, 11, 469-476.	0.6	3
92	Evaluation of Gastroprotective Activity of Linoleic Acid on Gastric Ulcer in a Mice Model. <i>Current Pharmaceutical Design</i> , 2022, 28, 655-660.	0.9	3
93	Caryocar brasiliense induces vasorelaxation through endothelial Ca ²⁺ /calmodulin and PI3K/Akt/eNOS-dependent signaling pathways in rats. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 678-685.	0.6	2
94	TiO ₂ @C Nanostructured Electrodes for the Anodic Removal of Cocaine. <i>Electroanalysis</i> , 2018, 30, 2094-2098.	1.5	2
95	DNA-Based Electrodes and Computational Approaches on the Intercalation Study of Antitumoral Drugs. <i>Molecules</i> , 2021, 26, 7623.	1.7	2
96	Remediation of Nodularin-R via Electrochemical Removal Using Nanostructured PdO-TiO ₂ @Carbon Anodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17376-17381.	3.2	1
97	Risks associated with pathogenic fungi isolated from surgical centers, intensive care units, and materials sterilization center in hospitals. Risks associated with pathogenic fungi isolated from critical hospital areas. <i>Medical Mycology</i> , 2020, 58, 881-886.	0.3	1
98	Electroanalysis Applied to Compatibility and Stability Assays of Drugs: Carvedilol Study Case. <i>Pharmaceuticals</i> , 2020, 13, 70.	1.7	1
99	LQFM184: A Novel Wide Ultraviolet Radiation Range Absorber Compound. <i>Photochemistry and Photobiology</i> , 2021, 97, 360-371.	1.3	1
100	Drug identification by electroanalysis with multiple classification approaches. <i>Chinese Journal of Analytical Chemistry</i> , 2021, 49, 47-53.	0.9	1
101	Pencil and Paper Electrodes for Pharmaceutical Analyses. <i>Journal of Analytical & Pharmaceutical Research</i> , 2017, 4, .	0.3	1
102	Performance Evaluation of Active and Non-active Electrodes for Doxorubicin Electro-oxidation. <i>KnE Engineering</i> , 0, , .	0.1	1
103	Zidovudine Glycosylation by Filamentous Fungi Leads to a Better Redox Stability and Improved Cytotoxicity in B16F10 Murine Melanoma Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 1688-1694.	0.9	1
104	METHODS USED IN EVALUATION OF THE SUN PROTECTION FACTOR OF SUNSCREENS. <i>Revista Eletrônica De Farmácia</i> , 2014, 11, .	0.3	1
105	Impedimetric Immunosensor for On-Site Measurement of Rituximab from Invasive and Non-Invasive Samples. <i>Journal of the Electrochemical Society</i> , 2022, 169, 057529.	1.3	1
106	Voltammetric glassy carbon sensor approach for the extended stability studies of doxorubicin in lyophilized dosage form. <i>Eletica Quimica</i> , 2022, 47, 32-38.	0.2	1
107	FLUORIMETRIA NA ANÁLISE FARMACÊUTICA: UMA REVISÃO. <i>Revista Eletrônica De Farmácia</i> , 2010, 7, .	0.3	0
108	ELECTROCHEMICAL BEHAVIOR OF VULPINIC ACID AT GLASSY CARBON ELECTRODE. <i>Revista Eletrônica De Farmácia</i> , 2015, 12, 43.	0.3	0

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109	DEVELOPMENT OF CHEMICALLY MODIFIED ELECTRODE WITH METHYLENE BLUE ANCHORED ONTO SILICA/NIOBIUM FOR SULFIDE ANALYSIS. <i>Periodico Tche Quimica</i> , 2017, 14, 155-161.	0.0	0
110	Protective Effects of Grape Juice on Vascular Damage Induced by Chlorine Free Radical in Rats. <i>Preventive Nutrition and Food Science</i> , 2021, 26, 417-424.	0.7	0