

Olimpo Garc a-Beltr n

List of Publications by Year in descending order

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73
papers

1,257
citations

331642

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434170

31
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75
all docs

75
docs citations

75
times ranked

1796
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogenetic Studies and Metabolite Analysis of <i>Sticta</i> Species from Colombia and Chile by Ultra-High Performance Liquid Chromatography-High Resolution-Q-Orbitrap-Mass Spectrometry. <i>Metabolites</i> , 2022, 12, 156.	2.9	4
2	UHPLC-MS Metabolomic Fingerprinting, Antioxidant, and Enzyme Inhibition Activities of <i>Himantormia lugubris</i> from Antarctica. <i>Metabolites</i> , 2022, 12, 560.	2.9	10
3	Structure-antioxidant activity relationships in boldine and glaucine: a DFT study. <i>New Journal of Chemistry</i> , 2021, 45, 590-596.	2.8	2
4	Coumarin-Chalcone Hybrids as Inhibitors of MAO-B: Biological Activity and In Silico Studies. <i>Molecules</i> , 2021, 26, 2430.	3.8	15
5	Erythrinoid and indol alkaloids isolated from the seeds of <i>Erythrina rubrinervia</i> Kunth: Chemotaxonomic significance. <i>Biochemical Systematics and Ecology</i> , 2021, 97, 104295.	1.3	0
6	<i>Theobroma cacao</i> L. compounds: Theoretical study and molecular modeling as inhibitors of main SARS-CoV-2 protease. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111764.	5.6	17
7	A selective thioxothiazolidin-coumarin probe for Hg ²⁺ based on its desulfurization reaction. Exploring its potential for live cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117372.	3.9	25
8	Experimental Modelling of DC Motor for Position Control Systems Involving Nonlinear Phenomena. <i>Communications in Computer and Information Science</i> , 2020, , 516-528.	0.5	0
9	In Vitro Anthelmintic Evaluation of <i>Gliricidia sepium</i> , <i>Leucaena leucocephala</i> , and <i>Pithecellobium dulce</i> : Fingerprint Analysis of Extracts by UHPLC-Orbitrap Mass Spectrometry. <i>Molecules</i> , 2020, 25, 3002.	3.8	17
10	Biosystem Analysis of the Hypoxia Inducible Domain Family Member 2A: Implications in Cancer Biology. <i>Genes</i> , 2020, 11, 206.	2.4	7
11	A New Electrochemical Method to Detect Sunset Yellow, Tartrazine and Thiomersal in a Pharmaceutical Dose Using a Carbon Paste Electrode Decorated with Molybdenum Oxide. <i>Electroanalysis</i> , 2020, 32, 2174-2182.	2.9	11
12	In Silico Study of Coumarins and Quinolines Derivatives as Potent Inhibitors of SARS-CoV-2 Main Protease. <i>Frontiers in Chemistry</i> , 2020, 8, 595097.	3.6	28
13	Development of a Low-Cost UV-Vis Spectrophotometer and Its Application for the Detection of Mercuric Ions Assisted by Chemosensors. <i>Sensors</i> , 2020, 20, 906.	3.8	26
14	The crystal structure of 1-carboxy-2-(1H-indol-3-yl)-N,N,N-trimethylethan-1-ammonium chloride, C ₁₄ H ₁₉ N ₂ O ₂ Cl. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020, 235, 1183-1185.	0.3	0
15	Sensitive and Profitable Electrochemical Detection of Uric Acid in the Presence of Dopamine with a Novel Carbon Paste Electrode Decorated with a Copper(II) Complex. <i>Electroanalysis</i> , 2019, 31, 2429-2436.	2.9	3
16	Simultaneous determination of tartrazine, sunset yellow and allura red in foods using a new cobalt-decorated carbon paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 852, 113517.	3.8	29
17	<i>Mulinum crassifolium</i> Phil; Two New Mulinanes, Gastroprotective Activity and Metabolomic Analysis by UHPLC-Orbitrap Mass Spectrometry. <i>Molecules</i> , 2019, 24, 1673.	3.8	8
18	Development of a microcomposite with single-walled carbon nanotubes and Nd ₂ O ₃ for determination of paracetamol in pharmaceutical dosage by adsorptive voltammetry. <i>Journal of Pharmaceutical Analysis</i> , 2019, 9, 62-69.	5.3	35

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19	Structural, thermodynamic and kinetic factors in the desorption/absorption of a hydrogen molecule in the $M_3AlH_{10}xNa$ ($M = Be$ or Mg ; $x = 0$ or 2) hydrides. <i>New Journal of Chemistry</i> , 2019, 43, 18041-18048.	2.8	0
20	Theoretical Study of the Antioxidant Activity of Quercetin Oxidation Products. <i>Frontiers in Chemistry</i> , 2019, 7, 818.	3.6	48
21	Carbon Paste Composite with Co_3O_4 as a New Electrochemical Sensor for the Detection of Allura Red by Reduction. <i>Electroanalysis</i> , 2019, 31, 695-703.	2.9	23
22	A new and simple electroanalytical method to detect thiomersal in vaccines on a screen-printed electrode modified with chitosan. <i>Analytical Methods</i> , 2018, 10, 1196-1202.	2.7	12
23	Low-Cost Spectrophotometer for In-Situ Detection of Mercury in Water. , 2018, , .		2
24	Adsorptive Stripping Voltammetric Determination of Lead and Cadmium in Natural Waters in the Presence of Rutin Using a Nafion [®] Mercury Coated Film Electrode. <i>International Journal of Electrochemical Science</i> , 2018, 13, 8711-8722.	1.3	4
25	Electrocomposite Developed with Chitosan and Ionic Liquids Using Screen-Printed Carbon Electrodes Useful to Detect Rutin in Tropical Fruits. <i>Sensors</i> , 2018, 18, 2934.	3.8	2
26	Development of a Novel Electrochemical Sensor Based on a Carbon Paste Electrode Decorated with Nd_2O_3 for the Simultaneous Detection of Tartrazine and Sunset Yellow. <i>Electroanalysis</i> , 2018, 30, 2760-2767.	2.9	32
27	Determination of Allura Red in the Presence of Cetylpyridinium Bromide by Square-wave Adsorptive Stripping Voltammetry on a Glassy Carbon Electrode. <i>Analytical Sciences</i> , 2018, 34, 1171-1175.	1.6	11
28	Detection of Sunset Yellow by Adsorption Voltammetry at Glassy Carbon Electrode Modified with Chitosan. <i>International Journal of Electrochemical Science</i> , 2018, 13, 5005-5015.	1.3	14
29	Detection of SO_2 derivatives using a new chalcone-coumarin derivative in cationic micellar media: application to real samples. <i>RSC Advances</i> , 2018, 8, 31261-31266.	3.6	11
30	Voltammetric determination of amaranth and tartrazine with a new double-stranded copper(I) helicate-single-walled carbon nanotube modified screen printed electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 822, 95-104.	3.8	30
31	Speciation of morin and rutin in black tea, <i>Cymbopogon citratus</i> and fruit infusions by adsorption voltammetry using screen-printed carbon electrodes coated with chitosan: effect of pH on speciation. <i>Analytical Methods</i> , 2018, 10, 3680-3689.	2.7	4
32	Secondary Metabolite Profiling of Species of the Genus <i>Usnea</i> by UHPLC-ESI-OT-MS-MS. <i>Molecules</i> , 2018, 23, 54.	3.8	47
33	UHPLC-ESI-ORBITRAP-MS analysis of the native Mapuche medicinal plant palo negro (<i>Leptocarpha</i>) Tj ETQq1 1 0.784314 rgBT /Overd properties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 936-944.	5.2	17
34	Determination of Rutin in Drinks Using an Electrode Modified with Carbon Nanotubes-Prussian Blue. <i>Journal of Analytical Chemistry</i> , 2018, 73, 504-511.	0.9	5
35	Development of a novel electrochemical sensor based on cobalt(II) complex useful in the detection of dopamine in presence of ascorbic acid and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2017, 788, 38-43.	3.8	31
36	Development of an Electrochemical Sensor to Detect Dopamine and Ascorbic Acid Based on Neodymium (III) Oxide and Chitosan. <i>Electroanalysis</i> , 2017, 29, 1081-1087.	2.9	15

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37	New combination between chitosan, single walled carbon nanotubes and neodymium(<i>iii</i>) oxide found to be useful in the electrochemical determination of rutin in the presence of morin and quercetin. <i>Analytical Methods</i> , 2017, 9, 6474-6481.	2.7	8
38	Evaluation of the usefulness of a novel electrochemical sensor in detecting uric acid and dopamine in the presence of ascorbic acid using a screen-printed carbon electrode modified with single walled carbon nanotubes and ionic liquids. <i>Electrochimica Acta</i> , 2017, 258, 512-523.	5.2	52
39	Discovery two potent and new inhibitors of 15-lipoxygenase: (E)-3-((3,4-dihydroxybenzylidene)) Tj ETQq1 1 0.784314 rgBT /Overlock 2.4 3	2.4	3
40	Neuroprotective Effect of a New 7,8-Dihydroxycoumarin-Based Fe ²⁺ /Cu ²⁺ -Chelator in Cell and Animal Models of Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2017, 8, 178-185.	3.5	34
41	New fluorescent turn-off probes for highly sensitive and selective detection of SO ₂ derivatives in a micellar media. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 578-587.	7.8	33
42	Metabolomic Analysis of Two Parmotrema Lichens: <i>P. robustum</i> (Degel.) Hale and <i>P. andinum</i> (Mull.) Tj ETQq0 0 0 3.8 rgBT /Overlock 10 Tf 31	3.8	31
43	Adsorptive Stripping Voltammetric Determination of Amaranth and Tartrazine in Drinks and Gelatins Using a Screen-Printed Carbon Electrode. <i>Sensors</i> , 2017, 17, 2665.	3.8	21
44	Development of an iron-selective antioxidant probe with protective effects on neuronal function. <i>PLoS ONE</i> , 2017, 12, e0189043.	2.5	15
45	Synthesis and Structural Characterization of New Macrocyclic Ester. Study as an Immobilization Agent for Determination of Lead by Anodic Stripping Voltammetry. <i>International Journal of Electrochemical Science</i> , 2017, , 3109-3119.	1.3	1
46	Ex Situ Poly(3,4-ethylenedioxythiophene)-sodium Dodecyl Sulfate-Antimony Film Electrode for Anodic Stripping Voltammetry Determination of Lead and Cadmium.. <i>International Journal of Electrochemical Science</i> , 2016, 11, 7507-7518.	1.3	5
47	In situ-Mercury Film Electrode for Simultaneous Determination of Lead and Cadmium Using Nafion Coated New Coumarin Schiff Base as Chelating-Adsorbent. <i>International Journal of Electrochemical Science</i> , 2016, 11, 9855-9867.	1.3	7
48	Determination of Rutin in Black Tea by Adsorption Voltammetry (AdV) in the Presence of Morin and Quercetin. <i>Food Analytical Methods</i> , 2016, 9, 3420-3427.	2.6	14
49	Gastroprotective activity of synthetic coumarins: Role of endogenous prostaglandins, nitric oxide, non-protein sulfhydryls and vanilloid receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5732-5735.	2.2	16
50	Gastroprotective effects of new diterpenoid derivatives from <i>Azorella cuatrecasii</i> Mathias & Constance obtained using a β ² -cyclodextrin complex with microbial and chemical transformations. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3220-3222.	2.2	12
51	Seco-Taondiol, an Unusual Meroterpenoid from the Chilean Seaweed <i>Styopodium flabelliforme</i> and Its Gastroprotective Effect in Mouse Model. <i>Marine Drugs</i> , 2015, 13, 1726-1738.	4.6	13
52	Iron Chelators and Antioxidants Regenerate Neuritic Tree and Nigrostriatal Fibers of MPP ⁺ /MPTP-Lesioned Dopaminergic Neurons. <i>PLoS ONE</i> , 2015, 10, e0144848.	2.5	19
53	The novel mitochondrial iron chelator 5-((methylamino)methyl)-8-hydroxyquinoline protects against mitochondrial-induced oxidative damage and neuronal death. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 787-792.	2.1	42
54	Host-guest interaction of coumarin-derivative dyes and cucurbit[7]uril: leading to the formation of supramolecular ternary complexes with mercuric ions. <i>New Journal of Chemistry</i> , 2015, 39, 3084-3092.	2.8	25

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55	Mechanism study of the thiol-addition reaction to benzothiazole derivative for sensing endogenous thiols. <i>Tetrahedron Letters</i> , 2015, 56, 2437-2440.	1.4	6
56	Synthesis and characterization of a novel fluorescent and colorimetric probe for the detection of mercury (II) even in the presence of relevant biothiols. <i>Tetrahedron Letters</i> , 2015, 56, 5761-5766.	1.4	13
57	Determination of pentahydroxyflavones using coated chitosan multi-wall carbon nanotubes and an ionic liquid glassy carbon electrode by adsorption stripping voltammetry (AdSV). <i>Journal of Electroanalytical Chemistry</i> , 2015, 759, 153-157.	3.8	11
58	Coumarin-Based Fluorescent Probes for Dual Recognition of Copper(II) and Iron(III) Ions and Their Application in Bio-Imaging. <i>Sensors</i> , 2014, 14, 1358-1371.	3.8	76
59	An unusual mulinane diterpenoid from the Chilean plant <i>Azorella trifurcata</i> (Gaertn) Pers. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6406.	2.8	15
60	Coumarins isolated from <i>Esenbeckia alata</i> (Rutaceae). <i>Biochemical Systematics and Ecology</i> , 2014, 52, 38-40.	1.3	7
61	(E)-2-(Benzo[d]thiazol-2-yl)-3-heteroarylacrylonitriles as efficient Michael acceptors for cysteine: Real application in biological imaging. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 391-399.	7.8	8
62	Substituent effects on reactivity of 3-cinnamoylcoumarins with thiols of biological interest. <i>RSC Advances</i> , 2014, 4, 697-704.	3.6	5
63	A coumarinylaldehyde as a specific sensor for Cu ²⁺ and its biological application. <i>Tetrahedron Letters</i> , 2014, 55, 873-876.	1.4	18
64	Synthesis of coumarin derivatives as fluorescent probes for membrane and cell dynamics studies. <i>European Journal of Medicinal Chemistry</i> , 2014, 76, 79-86.	5.5	5
65	Design, synthesis and cellular dynamics studies in membranes of a new coumarin-based "turn-off" fluorescent probe selective for Fe ²⁺ . <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 60-63.	5.5	34
66	A selective fluorescent probe for the detection of mercury (II) in aqueous media and its applications in living cells. <i>Tetrahedron Letters</i> , 2012, 53, 6598-6601.	1.4	20
67	Design and synthesis of a new coumarin-based "turn-on" fluorescent probe selective for Cu ²⁺ . <i>Tetrahedron Letters</i> , 2012, 53, 5280-5283.	1.4	50
68	STRUCTURAL REASSIGNMENT OF EPIERYTHRATIDINE, AN ALKALOID FROM <i>Erythrina fusca</i> , BASED ON NMR STUDIES AND COMPUTATIONAL METHODS. <i>Journal of the Chilean Chemical Society</i> , 2012, 57, 1323-1327.	1.2	6
69	Nucleophilic reactivity of biothiols toward coumarin-based derivatives containing a chalcone moiety. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 946-952.	1.9	13
70	HYDROGEN-BONDED SUPRAMOLECULAR ARRAY IN THE CRYSTAL STRUCTURE OF ETHYL 7-HYDROXY-2-OXO-2H-CHROMENE-3-CARBOXYLATE MONOHYDRATE. <i>Journal of the Chilean Chemical Society</i> , 2011, 56, 546-548.	1.2	1
71	The development of a fluorescence turn-on sensor for cysteine, glutathione and other biothiols. A kinetic study. <i>Tetrahedron Letters</i> , 2011, 52, 6606-6609.	1.4	28
72	Molecular Determinants for Competitive Inhibition of $\alpha_4\beta_2$ Nicotinic Acetylcholine Receptors. <i>Molecular Pharmacology</i> , 2010, 78, 366-375.	2.3	45

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73	Crystal structure of (2R,13bS)-2,6,8,9-tetrahydro-2,12-dimethoxy-1H-indolo[1-a]isoquinolin-11-ol, C ₁₈ H ₂₁ NO ₃ , Erysodine. Zeitschrift Fur Kristallographie - New Crystal Structures, 2009, 224, .	0.3	0