

Luis F Aguilar

List of Publications by Year in descending order

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36
papers

483
citations

623188

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docs citations

36
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of Pig Kidney Na ⁺ /K ⁺ -ATPase Activity by Cholesterol: Role of Hydration. <i>Biochemistry</i> , 2000, 39, 10928-10935.	1.2	46
2	Differential Dynamic and Structural Behavior of Lipid-Cholesterol Domains in Model Membranes. <i>PLoS ONE</i> , 2012, 7, e40254.	1.1	45
3	A Procedure for the Joint Evaluation of Substrate Partitioning and Kinetic Parameters for Reactions Catalyzed by Enzymes in Reverse Micellar Solutions. <i>Archives of Biochemistry and Biophysics</i> , 2001, 388, 231-236.	1.4	32
4	Inactivation of <i>Escherichia coli</i> in goat milk using pulsed ultraviolet light. <i>Journal of Food Engineering</i> , 2015, 152, 43-49.	2.7	30
5	Combined 3D-QSAR and docking analysis for the design and synthesis of chalcones as potent and selective monoamine oxidase B inhibitors. <i>Bioorganic Chemistry</i> , 2021, 108, 104689.	2.0	26
6	In vitro antioxidant and antiproliferative effect of the extracts of <i>Ephedra chilensis</i> K Presl aerial parts. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 53.	3.7	24
7	Effects of an antimalarial quinazoline derivative on human erythrocytes and on cell membrane molecular models. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 738-746.	1.4	22
8	Determination of tributyltin at parts-per-trillion levels in natural waters by second-order multivariate calibration and fluorescence spectroscopy. <i>Microchemical Journal</i> , 2013, 106, 95-101.	2.3	20
9	In vitro effects of the antitumor drug miltefosine on human erythrocytes and molecular models of its membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 17-25.	1.4	20
10	Sb(V) and Sb(III) distribution in human erythrocytes: Speciation methodology and the influence of temperature, time and anticoagulants. <i>Talanta</i> , 2013, 115, 902-910.	2.9	18
11	Speciation analysis of organotin compounds in human urine by headspace solid-phase micro-extraction and gas chromatography with pulsed flame photometric detection. <i>Talanta</i> , 2014, 125, 196-203.	2.9	17
12	Sb(V) Reactivity with Human Blood Components: Redox Effects. <i>PLoS ONE</i> , 2015, 10, e0114796.	1.1	16
13	An in vitro study of the protective effect of caffeic acid on human erythrocytes. <i>Archives of Biochemistry and Biophysics</i> , 2019, 662, 75-82.	1.4	16
14	Protective effect of epigallocatechin gallate on human erythrocytes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 742-750.	2.5	15
15	Coumarin-Resveratrol-Inspired Hybrids as Monoamine Oxidase B Inhibitors: 3-Phenylcoumarin versus <i>trans</i> -6-Styrylcoumarin. <i>Molecules</i> , 2022, 27, 928.	1.7	13
16	Ethanol affects the function of a neurotransmitter receptor protein without altering the membrane lipid phase. <i>European Journal of Pharmacology</i> , 1998, 354, 239-244.	1.7	11
17	Human erythrocytes and neuroblastoma cells are affected in vitro by Au(III) ions. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 226-231.	1.0	9
18	Effects of phenylpropanolamine (PPA) on in vitro human erythrocyte membranes and molecular models. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 320-325.	1.0	8

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19	Inhibitory effect of short cationic homopeptides against Gram-negative bacteria. <i>Amino Acids</i> , 2016, 48, 1445-1456.	1.2	8
20	Pentavalent antimony uptake pathway through erythrocyte membranes: molecular and atomic fluorescence approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2937-2944.	1.9	8
21	Evaluation of cloud point extraction coupled with fluorescence spectroscopy and multivariate curve resolution—alternating least squares for tributyltin determination in sediment samples. <i>Microchemical Journal</i> , 2016, 124, 132-138.	2.3	8
22	Carfilzomib as a potential inhibitor of NADH-dependent enoyl-acyl carrier protein reductases of <i>Klebsiella pneumoniae</i> and <i>Mycobacterium tuberculosis</i> as a drug target enzyme: insights from molecular docking and molecular dynamics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4021-4037.	2.0	8
23	Synthesis, Crystal Structure, and Photophysical Properties of 4-(4-(Dimethylamino)phenyl)-6-phenylpyrimidin-2-amine. <i>Journal of Molecular Structure</i> , 2021, 1226, 129340.	1.8	8
24	Systematic study of the fluorescent properties of cinnamaldehyde phenylhydrazone and its interactions with metals: Synthesis and photophysical evaluation. <i>Journal of Molecular Structure</i> , 2020, 1217, 128430.	1.8	8
25	Structural effects of tetrachloroauric acid on cell membranes and molecular models. <i>Coordination Chemistry Reviews</i> , 2009, 253, 1599-1606.	9.5	7
26	A novel application of nylon membranes for tributyltin determination in complex environmental samples by fluorescence spectroscopy and multivariate calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 148, 77-84.	1.8	7
27	Toxic effects of the anticancer drug epirubicin in vitro assayed in human erythrocytes. <i>Toxicology in Vitro</i> , 2020, 68, 104964.	1.1	7
28	Inhibition of Caco-2 and MCF-7 cancer cells using chalcones: synthesis, biological evaluation and computational study. <i>Natural Product Research</i> , 2021, , 1-7.	1.0	7
29	Sensitive fluorescent chemosensor for Hg(II) in aqueous solution using 4 th -dimethylaminochalcone. <i>Journal of Fluorescence</i> , 2022, 32, 1449-1456.	1.3	5
30	Deltamethrin determination in natural water samples via photochemically-induced fluorescence coupled to third-order multivariate calibration. <i>Microchemical Journal</i> , 2020, 159, 105561.	2.3	4
31	An in vitro study on the interaction of the anti-Alzheimer drug rivastigmine with human erythrocytes. <i>Chemico-Biological Interactions</i> , 2020, 319, 109019.	1.7	3
32	Evaluation of endemic Chilean plant-based <i>Chañar</i> extract (<i>Geoffroea decorticans</i>) as an inhibitor of corrosion for A36 steel under a saline environment. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 708-719.	0.8	3
33	Assessment of chalcone-vanillin as a selective chemosensor of As(III) in aqueous solution. <i>Journal of Molecular Structure</i> , 2022, 1266, 133558.	1.8	2
34	EFFECT OF HYDRATION AND PACKING ORDER ON LARGE UNILAMELLAR VESICLE FUSION: THE ROLE OF CHOLESTEROL. <i>Journal of the Chilean Chemical Society</i> , 2017, 62, 3615-3620.	0.5	1
35	QSAR-driven synthesis of antiproliferative chalcones against SH-5Y5Y cancer cells: Design, biological evaluation, and redesign. <i>Archiv Der Pharmazie</i> , 2022, 355, e2200042.	2.1	1
36	Effects of cholesterol on lipid vesicle fusion mediated by infectious salmon anaemia virus fusion peptides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112684.	2.5	0