

Celia Martins Cortez

List of Publications by Year in descending order

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55
papers

710
citations

687220

13
h-index

552653

26
g-index

55
all docs

55
docs citations

55
times ranked

811
citing authors

#	ARTICLE	IF	CITATIONS
1	A mathematical model to estimate binding sites for ligands in HSA and BSA based on spectrofluorimetry. Journal of Molecular Structure, 2021, 1223, 129224.	1.8	5
2	Study on the interaction of three classical drugs used in psychiatry in albumin through spectrofluorimetric modeling. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 255, 119638.	2.0	3
3	STUDYING THE MOTION WITH TIME-VARIABLE ACCELERATION. Cadernos Do IME - S�rie Matem�tica, 2021, , 158-166.	0.0	0
4	Biological Stress as a Principle of Nature: A Review of Literature. Open Journal of Biophysics, 2020, 10, 150-173.	0.7	1
5	Highly aggressive behavior induced by social stress is associated to reduced cytochrome c oxidase activity in mice brain cortex. Neurochemistry International, 2019, 126, 210-217.	1.9	6
6	Estimating the position of sites for ligands in serum albumins from spectrofluorimetric data. AIP Conference Proceedings, 2019, , .	0.3	2
7	Effect of surface bilayer charges on the magnetic field around ionic channels. Physica B: Condensed Matter, 2017, 504, 86-91.	1.3	2
8	Verifying the competition between haloperidol and biperiden in serum albumin through a model based on spectrofluorimetry. AIP Conference Proceedings, 2017, , .	0.3	1
9	A model to estimate the relative position of sites for ligands in serum albumins. AIP Conference Proceedings, 2017, , .	0.3	0
10	A model based on spectrofluorimetry to study the interaction between glyphosate and serum albumin of Salminus brasiliensis. AIP Conference Proceedings, 2017, , .	0.3	0
11	Computer model of a reverberant and parallel circuit coupling. AIP Conference Proceedings, 2017, , .	0.3	1
12	Relevance of Hydrodynamic Effects for the Calculation of Outer Surface Potential of Biological Membrane Using Electrophoretic Data. Anais Da Academia Brasileira De Ciencias, 2016, 88, 751-763.	0.3	1
13	Binding of Sulpiride to Seric Albumins. International Journal of Molecular Sciences, 2016, 17, 59.	1.8	7
14	Preface of the "International Symposium on Computational and Mathematical Modeling of Biologic and Medicine Targets" AIP Conference Proceedings, 2016, , .	0.3	0
15	Serum albumin and the haloperidol pharmacokinetics. A study using a computational model. AIP Conference Proceedings, 2016, , .	0.3	1
16	Modeling the accessibility of the interaction of clonazepan to albumins. AIP Conference Proceedings, 2016, , .	0.3	3
17	A model for the neural control of pineal periodicity. AIP Conference Proceedings, 2016, , .	0.3	0
18	Modeling the interaction of the carbamate fungicide Maneb, with bovine albumin. AIP Conference Proceedings, 2016, , .	0.3	1

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19	Mathematic-computational modeling for the calculations involved in the Stern-Volmer theory. AIP Conference Proceedings, 2016, , .	0.3	0
20	Dynamics for the storage control of a endocrine gland: A model for adrenal epinephrine. AIP Conference Proceedings, 2016, , .	0.3	2
21	Use of haloperidol and risperidone in highly aggressive Swiss Webster mice by applying the model of spontaneous aggression (MSA). Behavioural Brain Research, 2016, 301, 110-118.	1.2	15
22	Interaction of sulpiride and serum albumin: Modeling from spectrofluorimetric data. AIP Conference Proceedings, 2015, , .	0.3	2
23	A mathematical model for nonlinear fluorescence quenching. AIP Conference Proceedings, 2015, , .	0.3	3
24	Measuring the electric activity of chick embryos heart through 16 bit audio card monitored by the Goldwavetm software. AIP Conference Proceedings, 2015, , .	0.3	0
25	Preliminary selection and evaluation of the binding of aptamers against a Hantavirus antigen using fluorescence spectroscopy and modeling. AIP Conference Proceedings, 2015, , .	0.3	0
26	Applying backpropagation neural network in the control of medullary reflex pattern. AIP Conference Proceedings, 2015, , .	0.3	3
27	Deleterious effects of prepubertal corticosterone treatment on rat prostate. Acta Cirurgica Brasileira, 2015, 30, 382-387.	0.3	2
28	A model for reverberating circuits with controlled feedback. AIP Conference Proceedings, 2015, , .	0.3	2
29	Purification and physico-chemical study of serum albumins of two neotropical fish species from the SÃ£o Francisco River Basin, Brazil. Biota Neotropica, 2015, 15, .	1.0	1
30	Preface of the "Symposium on International Symposium on Computational Modeling in Neurobiology" AIP Conference Proceedings, 2015, , .	0.3	0
31	Effects of prepubertal corticosterone treatment on urinary bladder. Acta Cirurgica Brasileira, 2014, 29, 55-59.	0.3	6
32	Estimating the relative position of risperidone primary binding site in Sera Albumins. Modeling from spectrofluorimetric data. , 2014, , .		0
33	Applying a mathematical model to estimate the fractional accessibility to quenching of serum albumin by risperidone. , 2014, , .		4
34	A Simple Mathematical Model Based on Biomarkers in Stress-Resistant Catfish Species, <i>Sciades herzbergii</i> (Pisces, Ariidae), in SÃ£o Marcos Bay, Brazil. Applied Biochemistry and Biotechnology, 2014, 174, 2380-2391.	1.4	9
35	Anti-Heparanase Aptamers as Potential Diagnostic and Therapeutic Agents for Oral Cancer. PLoS ONE, 2014, 9, e96846.	1.1	18
36	A fluorescent spectroscopy and modelling analysis of anti-heparanase aptamers' serum protein interactions. Journal of Photochemistry and Photobiology B: Biology, 2013, 127, 68-77.	1.7	21

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37	Hipnose, imobilidade t�cnica e eletroencefalograma. <i>Jornal Brasileiro De Psiquiatria</i> , 2013, 62, 285-296.	0.2	3
38	One round of SELEX for the generation of DNA aptamers directed against KLK6. <i>Biological Chemistry</i> , 2012, 393, 343-353.	1.2	33
39	Risperidone interacts with serum albumin forming complex. <i>Environmental Toxicology and Pharmacology</i> , 2012, 33, 262-266.	2.0	9
40	Effects of Chronic Stress on Penile Corpus Cavernosum of Rats. <i>Journal of Andrology</i> , 2012, 33, 735-739.	2.0	35
41	Interactions of aptamers with sera albumins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 270-275.	2.0	21
42	Leptina e anorexia nervosa. <i>Psicologia Clinica</i> , 2012, 24, 165-180.	0.1	0
43	Computational modeling of the electric potential in biological membrane. A comparison between healthy and cancerous neurons. <i>BMC Neuroscience</i> , 2011, 12, .	0.8	3
44	Effects of Immobilization Stress on Kidneys of Wistar Male Rats: A Morphometrical and Stereological Analysis. <i>Kidney and Blood Pressure Research</i> , 2011, 34, 424-429.	0.9	42
45	Acupuncture at �Zusanli�(St.36) and �Sanyinjiao�(SP.6) Points on the Gastrointestinal Tract: A Study of the Bioavailability of ^{99m}Tc -Sodium Pertechnetate in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-6.	0.5	19
46	Spectrofluorimetric study of the interaction of methyl-parathion with fish serum albumin. <i>Fish Physiology and Biochemistry</i> , 2010, 36, 427-433.	0.9	19
47	The interaction of methyl-parathion with serum and albumin of the neo-tropical fish <i>Piaractus mesopotamicus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 32-37.	2.9	22
48	Computational modeling of synchronization process of the circadian timing system of mammals. <i>Biological Cybernetics</i> , 2009, 100, 385-393.	0.6	9
49	Effect of Zusanli (ST.36) Electroacupuncture at Two Frequencies on the Bioavailability of ^{99m}Tc -Sodium Pertechnetate and on Labeling of Blood Constituents in Rats. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , 2009, 2, 135-146.	0.3	6
50	Tension neck syndrome treated by acupuncture combined with physiotherapy: A comparative clinical trial (pilot study). <i>Complementary Therapies in Medicine</i> , 2008, 16, 268-277.	1.3	27
51	Psychological and physiological responses to stress: a review based on results from PET and MRI studies. <i>Brazilian Archives of Biology and Technology</i> , 2008, 51, 7-12.	0.5	6
52	Computer simulation of a central pattern generator via Kuramoto model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 353, 258-270.	1.2	13
53	Computer modeling of a spinal reflex circuit. <i>Brazilian Journal of Physics</i> , 2005, 35, 987-994.	0.7	10
54	Chlorpromazine interactions to sera albumins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 1215-1223.	2.0	107

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55	Methyl parathion interaction with human and bovine serum albumin. <i>Toxicology Letters</i> , 2004, 147, 53-61.	0.4	204