

Rita Guzzi

List of Publications by Year in descending order

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79
papers

1,662
citations

257101

24
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329751

37
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81
all docs

81
docs citations

81
times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Concentration Profiles in Membranes Measured by ESEEM of Spin-Labeled Lipids. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12003-12013.	1.2	116
2	Thermodynamics of the thermal unfolding of azurin. <i>The Journal of Physical Chemistry</i> , 1995, 99, 14864-14870.	2.9	77
3	Multiple binding modes of ibuprofen in human serum albumin identified by absolute binding free energy calculations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32358-32368.	1.3	75
4	Time-resolved electron spin resonance studies of spin-labelled lipids in membranes. <i>Chemistry and Physics of Lipids</i> , 2006, 141, 142-157.	1.5	64
5	Librational Motion of Spin-Labeled Lipids in High-Cholesterol Containing Membranes from Echo-Detected EPR Spectra. <i>Biophysical Journal</i> , 2004, 87, 3873-3881.	0.2	61
6	Identification by Molecular Docking of Homoisoﬂavones from <i>Leopoldia comosa</i> as Ligands of Estrogen Receptors. <i>Molecules</i> , 2018, 23, 894.	1.7	50
7	Echo-Detected Electron Paramagnetic Resonance Spectra of Spin-Labeled Lipids in Membrane Model Systems. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4501-4507.	1.2	49
8	A Spectroscopic and Calorimetric Investigation on the Thermal Stability of the Cys3Ala/Cys26Ala Azurin Mutant. <i>Biophysical Journal</i> , 1999, 77, 1052-1063.	0.2	48
9	Early stage aggregation of human serum albumin in the presence of metal ions. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 337-342.	3.6	44
10	The IL1 β -IL1R signaling is involved in the stimulatory effects triggered by hypoxia in breast cancer cells and cancer-associated fibroblasts (CAFs). <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 153.	3.5	43
11	Intramembrane Polarity by Electron Spin Echo Spectroscopy of Labeled Lipids. <i>Biophysical Journal</i> , 2003, 84, 1025-1030.	0.2	42
12	Thermally induced denaturation and aggregation of BLG-A: effect of the Cu ²⁺ and Zn ²⁺ metal ions. <i>European Biophysics Journal</i> , 2008, 37, 1351-1360.	1.2	41
13	Backbone Dynamics of Alamethicin Bound to Lipid Membranes: Spin-Echo Electron Paramagnetic Resonance of TOAC-Spin Labels. <i>Biophysical Journal</i> , 2008, 94, 2698-2705.	0.2	39
14	Electron spin-echo studies of spin-labelled lipid membranes and free fatty acids interacting with human serum albumin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1541-1549.	1.4	36
15	Thermodynamics and kinetics of the thermal unfolding of plastocyanin. <i>European Biophysics Journal</i> , 1998, 27, 273-282.	1.2	33
16	Intramembrane Water Associated with TOAC Spin-Labeled Alamethicin: Electron Spin-Echo Envelope Modulation by D ₂ O. <i>Biophysical Journal</i> , 2009, 96, 997-1007.	0.2	32
17	Stereoselective and domain-specific effects of ibuprofen on the thermal stability of human serum albumin. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 112, 122-131.	1.9	32
18	AHR and GPER mediate the stimulatory effects induced by 3-methylcholanthrene in breast cancer cells and cancer-associated fibroblasts (CAFs). <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 335.	3.5	32

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19	Fatty acid binding into the highest affinity site of human serum albumin observed in molecular dynamics simulation. <i>Archives of Biochemistry and Biophysics</i> , 2015, 579, 18-25.	1.4	31
20	Experimental model for the thermal denaturation of azurin: a kinetic study. <i>Biophysical Chemistry</i> , 1996, 60, 29-38.	1.5	27
21	Solvent Isotope Effects on Azurin Thermal Unfolding. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1021-1028.	1.2	26
22	Molecular simulations of $\hat{\text{I}}^2$ -lactoglobulin complexed with fatty acids reveal the structural basis of ligand affinity to internal and possible external binding sites. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 2609-2619.	1.5	26
23	A molecular dynamics simulation study of the solvent isotope effect on copper plastocyanin. <i>Biophysical Chemistry</i> , 1999, 82, 9-22.	1.5	25
24	The Early Steps in the Unfolding of Azurin. <i>Biochemistry</i> , 2004, 43, 15604-15609.	1.2	25
25	Catalytic activity of copper ions in the amyloid fibrillation of $\hat{\text{I}}^2$ -lactoglobulin. <i>Soft Matter</i> , 2013, 9, 2412.	1.2	25
26	Conformational Heterogeneity and Spin-Labeled $\hat{\text{a}}^{\text{S}}\text{H}$ Groups: Pulsed EPR of Na,K-ATPase. <i>Biochemistry</i> , 2009, 48, 8343-8354.	1.2	23
27	Resveratrol induces thermal stabilization of human serum albumin and modulates the early aggregation stage. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 1049-1056.	3.6	23
28	Chain dynamics in the low-temperature phases of lipid membranes by electron spin-echo spectroscopy. <i>Journal of Magnetic Resonance</i> , 2003, 162, 371-379.	1.2	21
29	Structural, dynamical and functional aspects of the inner motions in the blue copper protein azurin. <i>Biophysical Chemistry</i> , 2007, 125, 532-539.	1.5	21
30	Resveratrol induces chain interdigitation in DPPC cell membrane model systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 615-621.	2.5	21
31	Solvent effect on librational dynamics of spin-labelled haemoglobin by ED- and CW-EPR. <i>European Biophysics Journal</i> , 2011, 40, 273-279.	1.2	20
32	Dynamics and Binding Affinity of Spin-Labeled Stearic Acids in $\hat{\text{I}}^2$ -Lactoglobulin: Evidences from EPR Spectroscopy and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11608-11615.	1.2	20
33	Active site modeling in copper azurin molecular dynamics simulations. <i>Journal of Molecular Modeling</i> , 2004, 10, 25-31.	0.8	19
34	Calorimetric and spectroscopic investigations of the thermal denaturation of wild type nitrite reductase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1752, 47-55.	1.1	19
35	Librational fluctuations in protein glasses. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1591-1595.	1.1	19
36	Ferric Ions Inhibit the Amyloid Fibrillation of $\hat{\text{I}}^2$ -Lactoglobulin at High Temperature. <i>Biomacromolecules</i> , 2015, 16, 1794-1801.	2.6	19

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37	Evidence of reduced flexibility in disulfide bridge-depleted azurin: a molecular dynamics simulation study. <i>Biophysical Chemistry</i> , 2001, 94, 107-120.	1.5	18
38	A model for the thermal unfolding of amicyanin. <i>European Biophysics Journal</i> , 2002, 30, 559-570.	1.2	18
39	Computational Approaches for the Discovery of GPER Targeting Compounds. <i>Frontiers in Endocrinology</i> , 2020, 11, 517.	1.5	16
40	Phosphorylation compromises FAD binding and intracellular stability of wild-type and cancer-associated NQO1: Insights into flavo-proteome stability. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 1275-1288.	3.6	15
41	Spin-echo EPR of Na,K-ATPase unfolding by urea. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1618-1628.	1.4	14
42	Lipid Librations at the Interface with the Na,K-ATPase. <i>Biophysical Journal</i> , 2015, 108, 2825-2832.	0.2	14
43	An EPR investigation on the structural heterogeneity in copper azurin and plastocyanin. <i>Biophysical Chemistry</i> , 1997, 63, 211-219.	1.5	13
44	Thermal stability of wild type and disulfide bridge containing mutant of poplar plastocyanin. <i>Biophysical Chemistry</i> , 2004, 112, 35-43.	1.5	13
45	Low-Temperature Dynamics of Chain-Labeled Lipids in Ester- and Ether-Linked Phosphatidylcholine Membranes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9239-9246.	1.2	13
46	Association of ibuprofen at the polar/apolar interface of lipid membranes. <i>Archives of Biochemistry and Biophysics</i> , 2018, 654, 77-84.	1.4	13
47	Warfarin increases thermal resistance of albumin through stabilization of the protein lobe that includes its binding site. <i>Archives of Biochemistry and Biophysics</i> , 2019, 676, 108123.	1.4	12
48	Water Penetration Profile at the Protein-Lipid Interface in Na,K-ATPase Membranes. <i>Biophysical Journal</i> , 2014, 107, 1375-1382.	0.2	11
49	Electron spin resonance of spin-labeled lipid assemblies and proteins. <i>Archives of Biochemistry and Biophysics</i> , 2015, 580, 102-111.	1.4	11
50	Complexation and synergistic boundary lubrication of porcine gastric mucin and branched poly(ethyleneimine) in neutral aqueous solution. <i>Soft Matter</i> , 2017, 13, 590-599.	1.2	11
51	A comparative investigation of the thermal unfolding of pseudoazurin in the Cu(II)-holo and apo form. <i>Biopolymers</i> , 2006, 83, 487-497.	1.2	9
52	The Role Played by the α -Helix in the Unfolding Pathway and Stability of Azurin: Switching Between Hierarchic and Nonhierarchic Folding. <i>ChemBioChem</i> , 2007, 8, 1941-1949.	1.3	9
53	Thermal unfolding studies of a phytocyanin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1997-2003.	1.1	9
54	Unsaturated lipid bilayers at cryogenic temperature: librational dynamics of chain-labeled lipids from pulsed and CW-EPR. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18699-18705.	1.3	9

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55	Structural heterogeneity of blue copper proteins: an EPR study of amicyanin and of wild-type and Cys3Ala/Cys26Ala mutant azurin. <i>European Biophysics Journal</i> , 2001, 30, 171-178.	1.2	8
56	Native β^2 -Lactoglobulin Self-Assembles into a Hexagonal Columnar Phase on a Solid Surface. <i>Langmuir</i> , 2010, 26, 1090-1095.	1.6	8
57	Electrochromic behaviour of Ir(bpy) ₃ bis-cyclometalated 1,2-dioxolene tetra-halo complexes: fully reversible catecholate/semiquinone redox switches. <i>Dalton Transactions</i> , 2020, 49, 2628-2635.	1.6	8
58	Binding of warfarin differently affects the thermal behavior and chain packing of anionic, zwitterionic and cationic lipid membranes. <i>Archives of Biochemistry and Biophysics</i> , 2020, 694, 108599.	1.4	7
59	Interaction of azurin with alcohols: An ESR, optical absorption, and fluorescence emission investigation. <i>Journal of Inorganic Biochemistry</i> , 1992, 45, 39-45.	1.5	6
60	Molecular dynamics of amicyanin reveals a conserved dynamical core for blue copper proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 74, 961-971.	1.5	6
61	Heterogeneity of Protein Substates Visualized by Spin-label EPR. <i>Biophysical Journal</i> , 2014, 106, 716-722.	0.2	6
62	Ether-linked lipids: Spin-label EPR and spin echoes. <i>Chemistry and Physics of Lipids</i> , 2018, 212, 130-137.	1.5	6
63	Thermal Liquid Biopsy (TLB) of Blood Plasma as a Potential Tool to Help in the Early Diagnosis of Multiple Sclerosis. <i>Journal of Personalized Medicine</i> , 2021, 11, 295.	1.1	6
64	The role of Lys525 on the head-group anchoring of fatty acids in the highest affinity binding site of albumin. <i>Spectroscopy</i> , 2010, 24, 159-163.	0.8	6
65	Synthesis and Characterization of Hyperbranched Nanoparticles with Magnetic and Plasmonic Properties. <i>ChemistrySelect</i> , 2022, 7, .	0.7	6
66	The effect of copper/zinc replacement on the folding free energy of wild type and Cys3Ala/Cys26Ala azurin. <i>International Journal of Biological Macromolecules</i> , 2003, 31, 163-170.	3.6	5
67	Chain interdigitation in DPPC bilayers induced by HgCl ₂ : Evidences from continuous wave and pulsed EPR. <i>Chemistry and Physics of Lipids</i> , 2014, 183, 176-183.	1.5	5
68	The influence of active site loop mutations on the thermal stability of azurin from <i>Pseudomonas aeruginosa</i> . <i>Archives of Biochemistry and Biophysics</i> , 2012, 521, 18-23.	1.4	4
69	Thermal stability effects of removing the type-2 copper ligand His306 at the interface of nitrite reductase subunits. <i>European Biophysics Journal</i> , 2007, 36, 805-813.	1.2	3
70	Dynamics and unfolding pathway of chimeric azurin variants: insights from molecular dynamics simulation. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 739-749.	1.1	3
71	Estrogen receptor variant ER β 46 and insulin receptor drive in primary breast cancer cells growth effects and interleukin 11 induction prompting the motility of cancer-associated fibroblasts. <i>Clinical and Translational Medicine</i> , 2021, 11, e516.	1.7	3
72	Azurin-Solvent interaction: an ESR spin labeling investigation. <i>Applied Magnetic Resonance</i> , 1995, 9, 217-227.	0.6	2

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73	Effects of chaotropic anions on the distribution of conformational substates of amicyanin, wild type and Cys3Ala/Cys26Ala azurin mutant. <i>Journal of Inorganic Biochemistry</i> , 2002, 91, 463-469.	1.5	2
74	Effects of Polar Head Nature and Tail Length of Single-Chain Lipids on the Conformational Stability of Î²-Lactoglobulin. <i>Journal of Physical Chemistry B</i> , 2020, 124, 944-952.	1.2	2
75	A single evolutionarily divergent mutation determines the different FAD binding affinities of human and rat NQO1 due to site-specific phosphorylation. <i>FEBS Letters</i> , 2021, 596, 29.	1.3	2
76	Interactive multiple binding of oleic acid, warfarin and ibuprofen with human serum albumin revealed by thermal and fluorescence studies. <i>European Biophysics Journal</i> , 2022, 51, 41-49.	1.2	2
77	Anionic versus neutral Pt(II) complexes: The relevance of the charge for human serum albumin binding. <i>Journal of Inorganic Biochemistry</i> , 2020, 206, 111024.	1.5	1
78	Geometry and water accessibility of the inhibitor binding site of Na ⁺ -pump: Pulse- and CW-EPR study. <i>Biophysical Journal</i> , 2021, 120, 2679-2690.	0.2	1
79	Low-temperature librations and dynamical transition in proteins at differing hydration levels. <i>Biomolecular Concepts</i> , 2022, 13, 81-88.	1.0	0