Rita Guzzi

List of Publications by Year
in descending order

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79 papers	1,662 citations	257101 24 h-index	329751 37 g-index
81 all docs	81 docs citations	81 times ranked	1558 citing authors

#	Article	IF	Citations
1	Interactive multiple binding of oleic acid, warfarin and ibuprofen with human serum albumin revealed by thermal and fluorescence studies. European Biophysics Journal, 2022, 51, 41-49.	1.2	2
2	Low-temperature librations and dynamical transition in proteins at differing hydration levels. Biomolecular Concepts, 2022, 13, 81-88.	1.0	0
3	Synthesis and Characterization of Hyperâ€Branched Nanoparticles with Magnetic and Plasmonic Properties. ChemistrySelect, 2022, 7, .	0.7	6
4	Thermal Liquid Biopsy (TLB) of Blood Plasma as a Potential Tool to Help in the Early Diagnosis of Multiple Sclerosis. Journal of Personalized Medicine, 2021, 11, 295.	1.1	6
5	Geometry and water accessibility of the inhibitor binding site of Na+-pump: Pulse- and CW-EPR study. Biophysical Journal, 2021, 120, 2679-2690.	0.2	1
6	Estrogen receptor variant ERÎ±46 and insulin receptor drive in primary breast cancer cells growth effects and interleukin 11 induction prompting the motility of cancerâ€associated fibroblasts. Clinical and Translational Medicine, 2021, 11, e516.	1.7	3
7	A single evolutionarily divergent mutation determines the different FADâ€binding affinities of human and rat NQO1 due to siteâ€specific phosphorylation. FEBS Letters, 2021, 596, 29.	1.3	2
8	Binding of warfarin differently affects the thermal behavior and chain packing of anionic, zwitterionic and cationic lipid membranes. Archives of Biochemistry and Biophysics, 2020, 694, 108599.	1.4	7
9	Computational Approaches for the Discovery of GPER Targeting Compounds. Frontiers in Endocrinology, 2020, 11, 517.	1.5	16
10	The IL1Î²-IL1R signaling is involved in the stimulatory effects triggered by hypoxia in breast cancer cells and cancer-associated fibroblasts (CAFs). Journal of Experimental and Clinical Cancer Research, 2020, 39, 153.	3.5	43
11	Effects of Polar Head Nature and Tail Length of Single-Chain Lipids on the Conformational Stability of Î²-Lactoglobulin. Journal of Physical Chemistry B, 2020, 124, 944-952.	1.2	2
12	Anionic versus neutral Pt(II) complexes: The relevance of the charge for human serum albumin binding. Journal of Inorganic Biochemistry, 2020, 206, 111024.	1.5	1
13	Electrochromic behaviour of Ir(<scp>iii</scp>) bis-cyclometalated 1,2-dioxolene tetra-halo complexes: fully reversible catecholate/semiquinone redox switches. Dalton Transactions, 2020, 49, 2628-2635.	1.6	8
14	Unsaturated lipid bilayers at cryogenic temperature: librational dynamics of chain-labeled lipids from pulsed and CW-EPR. Physical Chemistry Chemical Physics, 2019, 21, 18699-18705.	1.3	9
15	AHR and GPER mediate the stimulatory effects induced by 3-methylcholanthrene in breast cancer cells and cancer-associated fibroblasts (CAFs). Journal of Experimental and Clinical Cancer Research, 2019, 38, 335.	3.5	32
16	Warfarin increases thermal resistance of albumin through stabilization of the protein lobe that includes its binding site. Archives of Biochemistry and Biophysics, 2019, 676, 108123.	1.4	12
17	Phosphorylation compromises FAD binding and intracellular stability of wild-type and cancer-associated NQO1: Insights into flavo-proteome stability. International Journal of Biological Macromolecules, 2019, 125, 1275-1288.	3.6	15
18	Ether-linked lipids: Spin-label EPR and spin echoes. Chemistry and Physics of Lipids, 2018, 212, 130-137.	1.5	6

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19	Stereoselective and domain-specific effects of ibuprofen on the thermal stability of human serum albumin. European Journal of Pharmaceutical Sciences, 2018, 112, 122-131.	1.9	32
20	Association of ibuprofen at the polar/apolar interface of lipid membranes. Archives of Biochemistry and Biophysics, 2018, 654, 77-84.	1.4	13
21	Identification by Molecular Docking ofHomoisoflavones from Leopoldia comosa as Ligands of Estrogen Receptors. Molecules, 2018, 23, 894.	1.7	50
22	Complexation and synergistic boundary lubrication of porcine gastric mucin and branched poly(ethyleneimine) in neutral aqueous solution. Soft Matter, 2017, 13, 590-599.	1.2	11
23	Low-Temperature Dynamics of Chain-Labeled Lipids in Ester- and Ether-Linked Phosphatidylcholine Membranes. Journal of Physical Chemistry B, 2017, 121, 9239-9246.	1.2	13
24	Resveratrol induces chain interdigitation in DPPC cell membrane model systems. Colloids and Surfaces B: Biointerfaces, 2016, 148, 615-621.	2.5	21
25	Resveratrol induces thermal stabilization of human serum albumin and modulates the early aggregation stage. International Journal of Biological Macromolecules, 2016, 92, 1049-1056.	3.6	23
26	Multiple binding modes of ibuprofen in human serum albumin identified by absolute binding free energy calculations. Physical Chemistry Chemical Physics, 2016, 18, 32358-32368.	1.3	75
27	Ferric Ions Inhibit the Amyloid Fibrillation of Î²-Lactoglobulin at High Temperature. Biomacromolecules, 2015, 16, 1794-1801.	2.6	19
28	Lipid Librations at the Interface with the Na,K-ATPase. Biophysical Journal, 2015, 108, 2825-2832.	0.2	14
29	Fatty acid binding into the highest affinity site of human serum albumin observed in molecular dynamics simulation. Archives of Biochemistry and Biophysics, 2015, 579, 18-25.	1.4	31
30	Electron spin resonance of spin-labeled lipid assemblies and proteins. Archives of Biochemistry and Biophysics, 2015, 580, 102-111.	1.4	11
31	Water Penetration Profile at the Protein-Lipid Interface in Na,K-ATPase Membranes. Biophysical Journal, 2014, 107, 1375-1382.	0.2	11
32	Molecular simulations of Î²-lactoglobulin complexed with fatty acids reveal the structural basis of ligand affinity to internal and possible external binding sites. Proteins: Structure, Function and Bioinformatics, 2014, 82, 2609-2619.	1.5	26
33	Chain interdigitation in DPPC bilayers induced by HgCl2: Evidences from continuous wave and pulsed EPR. Chemistry and Physics of Lipids, 2014, 183, 176-183.	1.5	5
34	Heterogeneity of Protein Substates Visualized by Spin-label EPR. Biophysical Journal, 2014, 106, 716-722.	0.2	6
35	Dynamics and unfolding pathway of chimeric azurin variants: insights from molecular dynamics simulation. Journal of Biological Inorganic Chemistry, 2013, 18, 739-749.	1.1	3
36	Librational fluctuations in protein glasses. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1591-1595.	1.1	19

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37	Catalytic activity of copper ions in the amyloid fibrillation of Î²-lactoglobulin. Soft Matter, 2013, 9, 2412.	1.2	25
38	The influence of active site loop mutations on the thermal stability of azurin from Pseudomonas aeruginosa. Archives of Biochemistry and Biophysics, 2012, 521, 18-23.	1.4	4
39	Dynamics and Binding Affinity of Spin-Labeled Stearic Acids in Î²-Lactoglobulin: Evidences from EPR Spectroscopy and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2012, 116, 11608-11615.	1.2	20
40	Spin-echo EPR of Na,K-ATPase unfolding by urea. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1618-1628.	1.4	14
41	Early stage aggregation of human serum albumin in the presence of metal ions. International Journal of Biological Macromolecules, 2011, 49, 337-342.	3.6	44
42	Solvent effect on librational dynamics of spin-labelled haemoglobin by ED- and CW-EPR. European Biophysics Journal, 2011, 40, 273-279.	1.2	20
43	Native Î²-Lactoglobulin Self-Assembles into a Hexagonal Columnar Phase on a Solid Surface. Langmuir, 2010, 26, 1090-1095.	1.6	8
44	The role of Lys525 on the head-group anchoring of fatty acids in the highest affinity binding site of albumin. Spectroscopy, 2010, 24, 159-163.	0.8	6
45	Molecular dynamics of amicyanin reveals a conserved dynamical core for blue copper proteins. Proteins: Structure, Function and Bioinformatics, 2009, 74, 961-971.	1.5	6
46	Conformational Heterogeneity and Spin-Labeled â^'SH Groups: Pulsed EPR of Na,K-ATPase. Biochemistry, 2009, 48, 8343-8354.	1.2	23
47	Intramembrane Water Associated with TOAC Spin-Labeled Alamethicin: Electron Spin-Echo Envelope Modulation by D2O. Biophysical Journal, 2009, 96, 997-1007.	0.2	32
48	Thermally induced denaturation and aggregation of BLG-A: effect of the Cu2+ and Zn2+ metal ions. European Biophysics Journal, 2008, 37, 1351-1360.	1.2	41
49	Thermal unfolding studies of a phytocyanin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1997-2003.	1.1	9
50	Backbone Dynamics of Alamethicin Bound to Lipid Membranes: Spin-Echo Electron Paramagnetic Resonance of TOAC-Spin Labels. Biophysical Journal, 2008, 94, 2698-2705.	0.2	39
51	Electron spin-echo studies of spin-labelled lipid membranes and free fatty acids interacting with human serum albumin. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1541-1549.	1.4	36
52	The Role Played by the Î±â€Helix in the Unfolding Pathway and Stability of Azurin: Switching Between Hierarchic and Nonhierarchic Folding. ChemBioChem, 2007, 8, 1941-1949.	1.3	9
53	Structural, dynamical and functional aspects of the inner motions in the blue copper protein azurin. Biophysical Chemistry, 2007, 125, 532-539.	1.5	21
54	Thermal stability effects of removing the type-2 copper ligand His306 at the interface of nitrite reductase subunits. European Biophysics Journal, 2007, 36, 805-813.	1.2	3

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55	Time-resolved electron spin resonance studies of spin-labelled lipids in membranes. Chemistry and Physics of Lipids, 2006, 141, 142-157.	1.5	64
56	A comparative investigation of the thermal unfolding of pseudoazurin in the Cu(II)-holo and apo form. Biopolymers, 2006, 83, 487-497.	1.2	9
57	Calorimetric and spectroscopic investigations of the thermal denaturation of wild type nitrite reductase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1752, 47-55.	1.1	19
58	Water Concentration Profiles in Membranes Measured by ESEEM of Spin-Labeled Lipids. Journal of Physical Chemistry B, 2005, 109, 12003-12013.	1.2	116
59	Active site modeling in copper azurin molecular dynamics simulations. Journal of Molecular Modeling, 2004, 10, 25-31.	0.8	19
60	Thermal stability of wild type and disulfide bridge containing mutant of poplar plastocyanin. Biophysical Chemistry, 2004, 112, 35-43.	1.5	13
61	The Early Steps in the Unfolding of Azurinâ€. Biochemistry, 2004, 43, 15604-15609.	1.2	25
62	Echo-Detected Electron Paramagnetic Resonance Spectra of Spin-Labeled Lipids in Membrane Model Systems. Journal of Physical Chemistry B, 2004, 108, 4501-4507.	1.2	49
63	Librational Motion of Spin-Labeled Lipids in High-Cholesterol Containing Membranes from Echo-Detected EPR Spectra. Biophysical Journal, 2004, 87, 3873-3881.	0.2	61
64	Chain dynamics in the low-temperature phases of lipid membranes by electron spin-echo spectroscopy. Journal of Magnetic Resonance, 2003, 162, 371-379.	1.2	21
65	Intramembrane Polarity by Electron Spin Echo Spectroscopy of Labeled Lipids. Biophysical Journal, 2003, 84, 1025-1030.	0.2	42
66	The effect of copper/zinc replacement on the folding free energy of wild type and Cys3Ala/Cys26Ala azurin. International Journal of Biological Macromolecules, 2003, 31, 163-170.	3.6	5
67	A model for the thermal unfolding of amicyanin. European Biophysics Journal, 2002, 30, 559-570.	1.2	18
68	Effects of chaotropic anions on the distribution of conformational substates of amicyanin, wild type and Cys3Ala/Cys26Ala azurin mutant. Journal of Inorganic Biochemistry, 2002, 91, 463-469.	1.5	2
69	Structural heterogeneity of blue copper proteins: an EPR study of amicyanin and of wild-type and Cys3Ala/Cys26Ala mutant azurin. European Biophysics Journal, 2001, 30, 171-178.	1.2	8
70	Evidence of reduced flexibility in disulfide bridge-depleted azurin: a molecular dynamics simulation study. Biophysical Chemistry, 2001, 94, 107-120.	1.5	18
71	A molecular dynamics simulation study of the solvent isotope effect on copper plastocyanin. Biophysical Chemistry, 1999, 82, 9-22.	1.5	25
72	A Spectroscopic and Calorimetric Investigation on the Thermal Stability of the Cys3Ala/Cys26Ala Azurin Mutant. Biophysical Journal, 1999, 77, 1052-1063.	0.2	48

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73	Thermodynamics and kinetics of the thermal unfolding of plastocyanin. European Biophysics Journal, 1998, 27, 273-282.	1.2	33
74	Solvent Isotope Effects on Azurin Thermal Unfolding. Journal of Physical Chemistry B, 1998, 102, 1021-1028.	1.2	26
75	An EPR investigation on the structural heterogeneity in copper azurin and plastocyanin. Biophysical Chemistry, 1997, 63, 211-219.	1.5	13
76	Experimental model for the thermal denaturation of azurin: a kinetic study. Biophysical Chemistry, 1996, 60, 29-38.	1.5	27
77	Azurin-Solvent interaction: an ESR spin labeling investigation. Applied Magnetic Resonance, 1995, 9, 217-227.	0.6	2
78	Thermodynamics of the thermal unfolding of azurin. The Journal of Physical Chemistry, 1995, 99, 14864-14870.	2.9	77
79	Interaction of azurin with alcohols: An ESR, optical absorption, and fluorescence emission investigation. Journal of Inorganic Biochemistry, 1992, 45, 39-45.	1.5	6