

Rosangela Itri

List of Publications by Year in descending order

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105
papers

4,072
citations

117625

34
h-index

133252

59
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106
all docs

106
docs citations

106
times ranked

6138
citing authors

#	ARTICLE	IF	CITATIONS
1	Gel-Assisted Formation of Giant Unilamellar Vesicles. <i>Biophysical Journal</i> , 2013, 105, 154-164.	0.5	307
2	The Importance of Protein-Protein Interactions on the pH-Induced Conformational Changes of Bovine Serum Albumin: A Small-Angle X-Ray Scattering Study. <i>Biophysical Journal</i> , 2010, 98, 147-157.	0.5	226
3	A systematic study of bovine serum albumin (BSA) and sodium dodecyl sulfate (SDS) interactions by surface tension and small angle X-ray scattering. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 400-408.	9.4	221
4	Methylene Blue-Containing Silica-Coated Magnetic Particles: A Potential Magnetic Carrier for Photodynamic Therapy. <i>Langmuir</i> , 2007, 23, 8194-8199.	3.5	208
5	Superparamagnetic nanoparticle-supported palladium: a highly stable magnetically recoverable and reusable catalyst for hydrogenation reactions. <i>Green Chemistry</i> , 2007, 9, 379.	9.0	146
6	Membrane changes under oxidative stress: the impact of oxidized lipids. <i>Biophysical Reviews</i> , 2014, 6, 47-61.	3.2	121
7	Giant Vesicles under Oxidative Stress Induced by a Membrane-Anchored Photosensitizer. <i>Biophysical Journal</i> , 2009, 97, 1362-1370.	0.5	120
8	Lipid oxidation induces structural changes in biomimetic membranes. <i>Soft Matter</i> , 2014, 10, 4241.	2.7	104
9	Repurposing doxycycline for synucleinopathies: remodelling of β -synuclein oligomers towards non-toxic parallel beta-sheet structured species. <i>Scientific Reports</i> , 2017, 7, 41755.	3.3	92
10	Enhanced efficiency of cell death by lysosome-specific photodamage. <i>Scientific Reports</i> , 2017, 7, 6734.	3.3	88
11	Small-angle X-ray scattering and electron paramagnetic resonance study of the interaction of bovine serum albumin with ionic surfactants. <i>Journal of Colloid and Interface Science</i> , 2004, 277, 471-482.	9.4	86
12	The Self-Assembly of a Lipophilic Guanosine Nucleoside into Polymeric Columnar Aggregates: The Nucleoside Structure Contains Sufficient Information To Drive the Process towards a Strikingly Regular Polymer. <i>Chemistry - A European Journal</i> , 2001, 7, 388-395.	3.3	82
13	Photo-Induced Destruction of Giant Vesicles in Methylene Blue Solutions. <i>Langmuir</i> , 2007, 23, 1307-1314.	3.5	78
14	Membrane Damage Efficiency of Phenothiazinium Photosensitizers. <i>Photochemistry and Photobiology</i> , 2014, 90, 801-813.	2.5	74
15	Observing the Solubilization of Lipid Bilayers by Detergents with Optical Microscopy of GUVs. <i>Journal of Physical Chemistry B</i> , 2011, 115, 269-277.	2.6	70
16	Physical Damage on Giant Vesicles Membrane as a Result of Methylene Blue Photoirradiation. <i>Biophysical Journal</i> , 2014, 106, 162-171.	0.5	65
17	Singlet Oxygen Reacts with 2,7-Dichlorodihydrofluorescein and Contributes to the Formation of 2,7-Dichlorofluorescein. <i>Photochemistry and Photobiology</i> , 2008, 84, 1238-1243.	2.5	63
18	Antimicrobial mechanisms behind photodynamic effect in the presence of hydrogen peroxide. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 483-490.	2.9	54

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19	Photo-activated phase separation in giant vesicles made from different lipid mixtures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 666-672.	2.6	53
20	Chlorpromazine and Sodium Dodecyl Sulfate Mixed Micelles Investigated by Small Angle X-Ray Scattering. <i>Journal of Colloid and Interface Science</i> , 2002, 248, 149-157.	9.4	52
21	Bovine serum albumin (BSA) plays a role in the size of SDS micelle-like aggregates at the saturation binding: the ionic strength effect. <i>Journal of Colloid and Interface Science</i> , 2004, 277, 285-291.	9.4	50
22	Biophysical aspects of biomineralization. <i>Biophysical Reviews</i> , 2017, 9, 747-760.	3.2	50
23	Contrasting roles of oxidized lipids in modulating membrane microdomains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 660-669.	2.6	46
24	Effect of urea on bovine serum albumin in aqueous and reverse micelle environments investigated by small angle X-ray scattering, fluorescence and circular dichroism. <i>Brazilian Journal of Physics</i> , 2004, 34, 58.	1.4	45
25	Structural Characterization of the pH-Denatured States of Ferricytochrome-c by Synchrotron Small Angle X-Ray Scattering. <i>Biophysical Journal</i> , 2001, 81, 3522-3533.	0.5	44
26	Nitric oxide donor superparamagnetic iron oxide nanoparticles. <i>Materials Science and Engineering C</i> , 2013, 33, 746-751.	7.3	44
27	Understanding membrane remodelling initiated by photosensitized lipid oxidation. <i>Biophysical Chemistry</i> , 2019, 254, 106263.	2.8	43
28	Influence of salt on the structure of DMPC studied by SAXS and optical microscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 907-916.	2.6	42
29	Surfactant-Polymer Aggregates Formed by Sodium Dodecyl Sulfate, Poly(N-vinyl-2-pyrrolidone), and Poly(ethylene glycol). <i>Langmuir</i> , 2005, 21, 127-133.	3.5	40
30	Interaction of Phenothiazine Compounds with Zwitterionic Lysophosphatidylcholine Micelles: A Small Angle X-ray Scattering, Electronic Absorption Spectroscopy, and Theoretical Calculations. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13086-13093.	2.6	40
31	Screening for stability and compatibility conditions of recombinant human epidermal growth factor for parenteral formulation: Effect of pH, buffers, and excipients. <i>International Journal of Pharmaceutics</i> , 2013, 452, 52-62.	5.2	40
32	Trifluoperazine effects on anionic and zwitterionic micelles: a study by small angle X-ray scattering. <i>Journal of Colloid and Interface Science</i> , 2003, 260, 414-422.	9.4	37
33	Liposomal systems as carriers for bioactive compounds. <i>Biophysical Reviews</i> , 2015, 7, 391-397.	3.2	37
34	Mechanism of Aloe Vera extract protection against UVA: shelter of lysosomal membrane avoids photodamage. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 334-350.	2.9	37
35	Binding of Methylene Blue onto Langmuir Monolayers Representing Cell Membranes May Explain Its Efficiency as Photosensitizer in Photodynamic Therapy. <i>Langmuir</i> , 2015, 31, 4205-4212.	3.5	36
36	Photochemically Generated Stable Cation Radical of Phenothiazine Aggregates in Mildly Acid Buffered Solutions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12257-12265.	2.6	35

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37	Interaction of small amounts of bovine serum albumin with phospholipid monolayers investigated by surface pressure and atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 546-553.	9.4	35
38	Autophagy Regulation and Photodynamic Therapy: Insights to Improve Outcomes of Cancer Treatment. <i>Frontiers in Oncology</i> , 2020, 10, 610472.	2.8	35
39	Fibrinogen stability under surfactant interaction. <i>Journal of Colloid and Interface Science</i> , 2011, 362, 118-126.	9.4	34
40	Hydroperoxide and carboxyl groups preferential location in oxidized biomembranes experimentally determined by small angle X-ray scattering: Implications in membrane structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2299-2307.	2.6	34
41	Immobilization of liposomes in nanostructured layer-by-layer films containing dendrimers. <i>Materials Science and Engineering C</i> , 2008, 28, 467-471.	7.3	33
42	Interaction of the Rattlesnake Toxin Crotaamine with Model Membranes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5471-5479.	2.6	31
43	Structural Characterization of Heparin-induced Glyceraldehyde-3-phosphate Dehydrogenase Protofibrils Preventing I \pm -Synuclein Oligomeric Species Toxicity. <i>Journal of Biological Chemistry</i> , 2014, 289, 13838-13850.	3.4	31
44	The Presence of Sterols Favors Sticholysin I-Membrane Association and Pore Formation Regardless of Their Ability to Form Laterally Segregated Domains. <i>Langmuir</i> , 2015, 31, 9911-9923.	3.5	31
45	Structure Determination of AOT/n-Hexane/Water/Urea Reversed Micelles by Light and Small Angle X-ray Scattering. <i>Langmuir</i> , 1996, 12, 4638-4643.	3.5	29
46	On the structural stability of guanosine-based supramolecular hydrogels. <i>Soft Matter</i> , 2018, 14, 2938-2948.	2.7	29
47	The effect of poly(ethylene glycol) on the activity and structure of glucose-6-phosphate dehydrogenase in solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 26, 291-300.	5.0	26
48	Small Angle X-ray Scattering (SAXS) Study of the Extracellular Hemoglobin of <i>Glossoscolex paulistus</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 33298-33305.	3.4	26
49	Thermodynamic and Structural Characterization of Zwitterionic Micelles of the Membrane Protein Solubilizing Amidosulfobetaine Surfactants ASB-14 and ASB-16. <i>Langmuir</i> , 2011, 27, 8248-8256.	3.5	24
50	Characterization of Heparin-induced Glyceraldehyde-3-phosphate Dehydrogenase Early Amyloid-like Oligomers and Their Implication in I \pm -Synuclein Aggregation. <i>Journal of Biological Chemistry</i> , 2012, 287, 2398-2409.	3.4	24
51	Proteoliposomes with the ability to transport Ca ²⁺ into the vesicles and hydrolyze phosphosubstrates on their surface. <i>Archives of Biochemistry and Biophysics</i> , 2015, 584, 79-89.	3.0	24
52	Photo-Oxidation of Unilamellar Vesicles by a Lipophilic Pterin: Deciphering Biomembrane Photodamage. <i>Langmuir</i> , 2018, 34, 15578-15586.	3.5	23
53	Nanoparticle Platform to Modulate Reaction Mechanism of Phenothiazine Photosensitizers. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3100-3108.	0.9	22
54	Structural study of the aggregates formed by the dinucleoside phosphate G2 in aqueous solution. <i>Liquid Crystals</i> , 1992, 12, 913-919.	2.2	21

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55	Birefringent hydrogels based on PAAm and lyotropic liquid crystal: Optical, morphological and hydrophilic characterization. <i>European Polymer Journal</i> , 2006, 42, 2781-2790.	5.4	21
56	Self-Assembling of Phenothiazine Compounds Investigated by Small-Angle X-ray Scattering and Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4261-4269.	2.6	21
57	The membranotropic activity of N-terminal peptides from the pore-forming proteins sticholysin I and II is modulated by hydrophobic and electrostatic interactions as well as lipid composition. <i>Journal of Biosciences</i> , 2011, 36, 781-791.	1.1	21
58	Enhanced stabilization of aerosol-OT surfactant monolayer upon interaction with small amounts of bovine serum albumin at the air-water interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 38, 21-27.	5.0	20
59	rBPI21 interacts with negative membranes endothermically promoting the formation of rigid multilamellar structures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2419-2427.	2.6	20
60	Técnicas de caracterização para investigar interações no nível molecular em filmes de Langmuir e Langmuir-Blodgett (LB). <i>Química Nova</i> , 2005, 28, 502-510.	0.3	19
61	Membrane damage by betulinic acid provides insights into cellular aging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3129-3143.	2.4	19
62	Rhamnolipids as epithelial permeability enhancers for macromolecular therapeutics. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 119, 419-425.	4.3	18
63	Self-assembled guanosine-hydrogels for drug-delivery application: Structural and mechanical characterization, methylene blue loading and controlled release. <i>Materials Science and Engineering C</i> , 2021, 121, 111834.	7.3	17
64	Micellar Shape Transformation Induced by Decanol: A Study by Small-Angle X-ray Scattering (SAXS). <i>Langmuir</i> , 2000, 16, 6102-6109.	3.5	16
65	Interaction of meso-tetrakis (4-sulfonatophenyl) porphyrin with cationic CTAC micelles investigated by small angle X-ray scattering (SAXS) and electron paramagnetic resonance (EPR). <i>Journal of Colloid and Interface Science</i> , 2007, 316, 730-740.	9.4	16
66	The intriguing role of rhamnolipids on plasma membrane remodelling: From lipid rafts to membrane budding. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 669-677.	9.4	16
67	Lipid Hydroperoxide Compromises the Membrane Structure Organization and Softens Bending Rigidity. <i>Langmuir</i> , 2021, 37, 9952-9963.	3.5	16
68	On the temperature stability of extracellular hemoglobin of <i>Glossoscolex paulistus</i> , at different oxidation states: SAXS and DLS studies. <i>Biophysical Chemistry</i> , 2012, 163-164, 44-55.	2.8	15
69	Cytochrome <i>c</i> Affects the Monoolein Polymorphism: Consequences for Stability and Loading Efficiency of Drug Delivery Systems. <i>Langmuir</i> , 2016, 32, 873-881.	3.5	15
70	Interactive forces on Aerosol-OT/n-hexane/water/urea reversed micelles by small angle x-ray scattering. <i>Journal of Chemical Physics</i> , 1999, 111, 7668-7674.	3.0	14
71	Local anesthetic-induced microscopic and mesoscopic effects in micelles. A fluorescence, spin label and SAXS study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1510, 93-105.	2.6	14
72	Lysozyme viscoelastic matrices in tetramethylurea/water media: a small angle X-ray scattering study. <i>Biophysical Chemistry</i> , 2002, 99, 169-179.	2.8	14

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73	Small-Angle X-Ray Scattering on Solutions of Carboxymethylcellulose and Bovine Serum Albumin. <i>Macromolecular Bioscience</i> , 2005, 5, 331-336.	4.1	14
74	Correct partner makes the difference: Septin G-interface plays a critical role in amyloid formation. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 428-435.	7.5	14
75	Effective protection of biological membranes against photo-oxidative damage: Polymeric antioxidant forming a protecting shield over the membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2180-2187.	2.6	13
76	Ion Pairs of Crystal Violet in Sodium Bis(2-ethylhexyl)sulfosuccinate Reverse Micelles. <i>Langmuir</i> , 2006, 22, 8718-8726.	3.5	12
77	Hofmeister effects on the colloidal stability of poly(ethylene glycol)-decorated nanoparticles. <i>Colloid and Polymer Science</i> , 2012, 290, 1537-1546.	2.1	12
78	Micellar aggregates near the isotropic-cubic liquid crystal phase transition. <i>Journal of Chemical Physics</i> , 1997, 107, 638-644.	3.0	11
79	Membrane Structure Characterization Using Variable-Period X-Ray Standing Waves. <i>Biophysical Journal</i> , 1998, 74, 1924-1936.	0.5	11
80	Decanol Effect on Micellar Structure and Phase Transitions. <i>Langmuir</i> , 1999, 15, 936-939.	3.5	11
81	How Does the Ethoxylated Grafting of Polyelectrolytes Affect the Self-Assembly of Polyanion-Cationic Surfactant Complex Salts?. <i>Langmuir</i> , 2014, 30, 11493-11503.	3.5	11
82	Structural and energetic evolution of fibrinogen toward to the betablocker interactions. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 405-419.	7.5	11
83	Overview on solubilization and lipid reconstitution of Na,K-ATPase: enzyme kinetic and biophysical characterization. <i>Biophysical Reviews</i> , 2020, 12, 49-64.	3.2	11
84	Quadruplex knots as network nodes: nano-partitioning of guanosine derivates in supramolecular hydrogels. <i>Soft Matter</i> , 2019, 15, 2315-2318.	2.7	10
85	Mapping the underlying mechanisms of fibrinogen benzothiazole drug interactions using computational and experimental approaches. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 730-744.	7.5	10
86	Lipid Hydroperoxidation Effect on the Dynamical Evolution of the Conductance Process in Bilayer Lipid Membranes: A Condition Toward Criticality. <i>Langmuir</i> , 2020, 36, 8883-8893.	3.5	10
87	Porphyrin Effects on Zwitterionic HPS Micelles as Investigated by Small-Angle X-ray Scattering (SAXS) and Electron Paramagnetic Resonance (EPR). <i>Journal of Physical Chemistry B</i> , 2005, 109, 22264-22272.	2.6	9
88	Unveiling the binding and orientation of the antimicrobial peptide Plantaricin 149 in zwitterionic and negatively charged membranes. <i>European Biophysics Journal</i> , 2019, 48, 621-633.	2.2	9
89	Alkylation of a hydrophilic photosensitizer enhances the contact-dependent photo-induced oxidation of phospholipid membranes. <i>Dyes and Pigments</i> , 2021, 187, 109131.	3.7	9
90	Small-angle x-ray scattering of DNA fragments: form and interference factors. <i>Macromolecules</i> , 1995, 28, 8395-8400.	4.8	8

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91	Novel Potential Drug Against <i>T. cruzi</i> and Its Interaction with Surfactant Micelles. <i>Pharmaceutical Development and Technology</i> , 2007, 12, 183-192.	2.4	8
92	Unraveling the Na,K-ATPase α Subunit Assembling Induced by Large Amounts of C ₁₂ E ₈ by Means of Small-Angle X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11371-11376.	2.6	8
93	Multimeric species in equilibrium in detergent-solubilized Na,K-ATPase. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 238-245.	7.5	8
94	Cellular compartments challenged by membrane photo-oxidation. <i>Archives of Biochemistry and Biophysics</i> , 2021, 697, 108665.	3.0	8
95	How does growth hormone releasing hexapeptide self-assemble in nanotubes?. <i>Soft Matter</i> , 2014, 10, 9260-9269.	2.7	7
96	Conformational stability of peanut agglutinin using small angle X-ray scattering. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 398-402.	7.5	6
97	Structural and Thermodynamic Properties of Septin 3 Investigated by Small-Angle X-Ray Scattering. <i>Biophysical Journal</i> , 2015, 108, 2896-2902.	0.5	4
98	Photodynamic therapy in vulvar lymphangioma: Case report. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 25, 84-86.	2.6	4
99	Biophysical Reviews™ "Meet the Editors Series" Rosangela Itri. <i>Biophysical Reviews</i> , 2020, 12, 1091-1092.	2.2	3
100	The pore-forming activity of sticholysin I is enhanced by the presence of a phospholipid hydroperoxide in membrane. <i>Toxicon</i> , 2021, 204, 44-55.	1.6	3
101	A special issue of Biophysical Reviews dedicated to the 20th IUPAB (virtual) Congress "Foz do Iguaçu". <i>Biophysical Reviews</i> , 2021, 13, 1-5.	3.2	3
102	The Influence of Urea on the Structure of Proteins in Reversed Micelles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2416-2424.	0.9	2
103	Photosensitized Lipid Oxidation: Mechanisms and Consequences to Health Sciences. , 2022, , 305-337.		2
104	Unveiling the mono-rhamnolipid and di-rhamnolipid mechanisms of action upon plasma membrane models. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 579-592.	9.4	2
105	Biophysics in Latin America. <i>Biophysical Reviews</i> , 2017, 9, 459-460.	3.2	0