Rosangela Itri

List of Publications by Year
in descending order

105 papers	4,072 citations	117625 34 h-index	133252 59 g-index
106 all docs	106 docs citations	106 times ranked	6138 citing authors

#	Article	IF	Citations
1	Photosensitized Lipid Oxidation: Mechanisms and Consequences to Health Sciences. , 2022, , 305-337.		2
2	Unveiling the mono-rhamnolipid and di-rhamnolipid mechanisms of action upon plasma membrane models. Journal of Colloid and Interface Science, 2022, 624, 579-592.	9.4	2
3	Cellular compartments challenged by membrane photo-oxidation. Archives of Biochemistry and Biophysics, 2021, 697, 108665.	3.0	8
4	The intriguing role of rhamnolipids on plasma membrane remodelling: From lipid rafts to membrane budding. Journal of Colloid and Interface Science, 2021, 582, 669-677.	9.4	16
5	Self-assembled guanosine-hydrogels for drug-delivery application: Structural and mechanical characterization, methylene blue loading and controlled release. Materials Science and Engineering C, 2021, 121, 111834.	7.3	17
6	Alkylation of a hydrophilic photosensitizer enhances the contact-dependent photo-induced oxidation of phospholipid membranes. Dyes and Pigments, 2021, 187, 109131.	3.7	9
7	Lipid Hydroperoxide Compromises the Membrane Structure Organization and Softens Bending Rigidity. Langmuir, 2021, 37, 9952-9963.	3.5	16
8	The pore-forming activity of sticholysin I is enhanced by the presence of a phospholipid hydroperoxide in membrane. Toxicon, 2021, 204, 44-55.	1.6	3
9	A special issue of Biophysical Reviews dedicated to the 20th IUPAB (virtual) Congress â€œinâ€•Foz do IguaÃ§u. Biophysical Reviews, 2021, 13, 1-5.	3.2	3
10	Mapping the underlying mechanisms of fibrinogen benzothiazole drug interactions using computational and experimental approaches. International Journal of Biological Macromolecules, 2020, 163, 730-744.	7.5	10
11	Lipid Hydroperoxidation Effect on the Dynamical Evolution of the Conductance Process in Bilayer Lipid Membranes: A Condition Toward Criticality. Langmuir, 2020, 36, 8883-8893.	3.5	10
12	Biophysical Reviewsâ€™ â€œMeet the Editors Seriesâ€â€”Rosangela Itri. Biophysical Reviews, 2020, 12, 1091-1092.	3.2	3
13	Overview on solubilization and lipid reconstitution of Na,K-ATPase: enzyme kinetic and biophysical characterization. Biophysical Reviews, 2020, 12, 49-64.	3.2	11
14	Autophagy Regulation and Photodynamic Therapy: Insights to Improve Outcomes of Cancer Treatment. Frontiers in Oncology, 2020, 10, 610472.	2.8	35
15	Unveiling the binding and orientation of the antimicrobial peptide Plantaricin 149 in zwitterionic and negatively charged membranes. European Biophysics Journal, 2019, 48, 621-633.	2.2	9
16	Structural and energetic evolution of fibrinogen toward to the betablocker interactions. International Journal of Biological Macromolecules, 2019, 137, 405-419.	7.5	11
17	Understanding membrane remodelling initiated by photosensitized lipid oxidation. Biophysical Chemistry, 2019, 254, 106263.	2.8	43
18	Correct partner makes the difference: Septin G-interface plays a critical role in amyloid formation. International Journal of Biological Macromolecules, 2019, 133, 428-435.	7.5	14

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19	Quadruplex knots as network nodes: nano-partitioning of guanosine derivates in supramolecular hydrogels. Soft Matter, 2019, 15, 2315-2318.	2.7	10
20	Contrasting roles of oxidized lipids in modulating membrane microdomains. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 660-669.	2.6	46
21	Photodynamic therapy in vulvar lymphangioma: Case report. Photodiagnosis and Photodynamic Therapy, 2019, 25, 84-86.	2.6	4
22	On the structural stability of guanosine-based supramolecular hydrogels. Soft Matter, 2018, 14, 2938-2948.	2.7	29
23	Photo-Oxidation of Unilamellar Vesicles by a Lipophilic Pterin: Deciphering Biomembrane Photodamage. Langmuir, 2018, 34, 15578-15586.	3.5	23
24	Hydroperoxide and carboxyl groups preferential location in oxidized biomembranes experimentally determined by small angle X-ray scattering: Implications in membrane structure. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2299-2307.	2.6	34
25	Repurposing doxycycline for synucleinopathies: remodelling of Î±-synuclein oligomers towards non-toxic parallel beta-sheet structured species. Scientific Reports, 2017, 7, 41755.	3.3	92
26	Biophysical aspects of biomineralization. Biophysical Reviews, 2017, 9, 747-760.	3.2	50
27	Rhamnolipids as epithelial permeability enhancers for macromolecular therapeutics. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 119, 419-425.	4.3	18
28	Enhanced efficiency of cell death by lysosome-specific photodamage. Scientific Reports, 2017, 7, 6734.	3.3	88
29	Membrane damage by betulinic acid provides insights into cellular aging. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3129-3143.	2.4	19
30	Biophysics in Latin America. Biophysical Reviews, 2017, 9, 459-460.	3.2	0
31	Multimeric species in equilibrium in detergent-solubilized Na,K-ATPase. International Journal of Biological Macromolecules, 2016, 89, 238-245.	7.5	8
32	Cytochrome-c Affects the Monoolein Polymorphism: Consequences for Stability and Loading Efficiency of Drug Delivery Systems. Langmuir, 2016, 32, 873-881.	3.5	15
33	Mechanism of Aloe Vera extract protection against UVA: shelter of lysosomal membrane avoids photodamage. Photochemical and Photobiological Sciences, 2016, 15, 334-350.	2.9	37
34	Liposomal systems as carriers for bioactive compounds. Biophysical Reviews, 2015, 7, 391-397.	3.2	37
35	Structural and Thermodynamic Properties of Septin 3 Investigated by Small-Angle X-Ray Scattering. Biophysical Journal, 2015, 108, 2896-2902.	0.5	4
36	Binding of Methylene Blue onto Langmuir Monolayers Representing Cell Membranes May Explain Its Efficiency as Photosensitizer in Photodynamic Therapy. Langmuir, 2015, 31, 4205-4212.	3.5	36

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37	Effective protection of biological membranes against photo-oxidative damage: Polymeric antioxidant forming a protecting shield over the membrane. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2180-2187.	2.6	13
38	Proteoliposomes with the ability to transport Ca2+ into the vesicles and hydrolyze phosphosubstrates on their surface. Archives of Biochemistry and Biophysics, 2015, 584, 79-89.	3.0	24
39	The Presence of Sterols Favors Sticholysin I-Membrane Association and Pore Formation Regardless of Their Ability to Form Laterally Segregated Domains. Langmuir, 2015, 31, 9911-9923.	3.5	31
40	Membrane changes under oxidative stress: the impact of oxidized lipids. Biophysical Reviews, 2014, 6, 47-61.	3.2	121
41	Physical Damage on Giant Vesicles Membrane as a Result of Methylene Blue Photoirradiation. Biophysical Journal, 2014, 106, 162-171.	0.5	65
42	How does growth hormone releasing hexapeptide self-assemble in nanotubes?. Soft Matter, 2014, 10, 9260-9269.	2.7	7
43	Lipid oxidation induces structural changes in biomimetic membranes. Soft Matter, 2014, 10, 4241.	2.7	104
44	How Does the Ethoxylated Grafting of Polyelectrolytes Affect the Self-Assembly of Polyanionâ€“Cationic Surfactant Complex Salts?. Langmuir, 2014, 30, 11493-11503.	3.5	11
45	Interaction of the Rattlesnake Toxin Crotamine with Model Membranes. Journal of Physical Chemistry B, 2014, 118, 5471-5479.	2.6	31
46	Structural Characterization of Heparin-induced Glyceraldehyde-3-phosphate Dehydrogenase Protofibrils Preventing Î±-Synuclein Oligomeric Species Toxicity. Journal of Biological Chemistry, 2014, 289, 13838-13850.	3.4	31
47	Membrane Damage Efficiency of Phenothiazinium Photosensitizers. Photochemistry and Photobiology, 2014, 90, 801-813.	2.5	74
48	Gel-Assisted Formation of Giant Unilamellar Vesicles. Biophysical Journal, 2013, 105, 154-164.	0.5	307
49	rBPI21 interacts with negative membranes endothermically promoting the formation of rigid multilamellar structures. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2419-2427.	2.6	20
50	Screening for stability and compatibility conditions of recombinant human epidermal growth factor for parenteral formulation: Effect of pH, buffers, and excipients. International Journal of Pharmaceutics, 2013, 452, 52-62.	5.2	40
51	Nitric oxide donor superparamagnetic iron oxide nanoparticles. Materials Science and Engineering C, 2013, 33, 746-751.	7.3	44
52	Characterization of Heparin-induced Glyceraldehyde-3-phosphate Dehydrogenase Early Amyloid-like Oligomers and Their Implication in Î±-Synuclein Aggregation. Journal of Biological Chemistry, 2012, 287, 2398-2409.	3.4	24
53	Photo-activated phase separation in giant vesicles made from different lipid mixtures. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 666-672.	2.6	53
54	Hofmeister effects on the colloidal stability of poly(ethylene glycol)-decorated nanoparticles. Colloid and Polymer Science, 2012, 290, 1537-1546.	2.1	12

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55	On the temperature stability of extracellular hemoglobin of Glossoscolex paulistus, at different oxidation states: SAXS and DLS studies. Biophysical Chemistry, 2012, 163-164, 44-55.	2.8	15
56	Observing the Solubilization of Lipid Bilayers by Detergents with Optical Microscopy of GUVs. Journal of Physical Chemistry B, 2011, 115, 269-277.	2.6	70
57	Thermodynamic and Structural Characterization of Zwitterionic Micelles of the Membrane Protein Solubilizing Amidosulfobetaine Surfactants ASB-14 and ASB-16. Langmuir, 2011, 27, 8248-8256.	3.5	24
58	Conformational stability of peanut agglutinin using small angle X-ray scattering. International Journal of Biological Macromolecules, 2011, 48, 398-402.	7.5	6
59	Antimicrobial mechanisms behind photodynamic effect in the presence of hydrogen peroxide. Photochemical and Photobiological Sciences, 2011, 10, 483-490.	2.9	54
60	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. Journal of Biosciences, 2011, 36, 781-791.	1.1	21
61	Fibrinogen stability under surfactant interaction. Journal of Colloid and Interface Science, 2011, 362, 118-126.	9.4	34
62	Nanoparticle Platform to Modulate Reaction Mechanism of Phenothiazine Photosensitizers. Journal of Nanoscience and Nanotechnology, 2010, 10, 3100-3108.	0.9	22
63	The Importance of Protein-Protein Interactions on the pH-Induced Conformational Changes of Bovine Serum Albumin: A Small-Angle X-Ray Scattering Study. Biophysical Journal, 2010, 98, 147-157.	0.5	226
64	Unraveling the Na,K-ATPase Î±₄ Subunit Assembling Induced by Large Amounts of C₁₂E₈ by Means of Small-Angle X-ray Scattering. Journal of Physical Chemistry B, 2010, 114, 11371-11376.	2.6	8
65	Giant Vesicles under Oxidative Stress Induced by a Membrane-Anchored Photosensitizer. Biophysical Journal, 2009, 97, 1362-1370.	0.5	120
66	Immobilization of liposomes in nanostructured layer-by-layer films containing dendrimers. Materials Science and Engineering C, 2008, 28, 467-471.	7.3	33
67	Singlet Oxygen Reacts with 2â€²,7â€²â€Dichlorodihydrofluorescein and Contributes to the Formation of 2â€²,7â€²â€Dichlorofluorescein. Photochemistry and Photobiology, 2008, 84, 1238-1243.	2.5	63
68	Influence of salt on the structure of DMPG studied by SAXS and optical microscopy. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 907-916.	2.6	42
69	Self-Assembling of Phenothiazine Compounds Investigated by Small-Angle X-ray Scattering and Electron Paramagnetic Resonance Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 4261-4269.	2.6	21
70	Methylene Blue-Containing Silica-Coated Magnetic Particles:â€‰ A Potential Magnetic Carrier for Photodynamic Therapy. Langmuir, 2007, 23, 8194-8199.	3.5	208
71	Novel Potential Drug AgainstT. cruziand Its Interaction with Surfactant Micelles. Pharmaceutical Development and Technology, 2007, 12, 183-192.	2.4	8
72	Photo-Induced Destruction of Giant Vesicles in Methylene Blue Solutions. Langmuir, 2007, 23, 1307-1314.	3.5	78

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73	Superparamagnetic nanoparticle-supported palladium: a highly stable magnetically recoverable and reusable catalyst for hydrogenation reactions. Green Chemistry, 2007, 9, 379.	9.0	146
74	Interaction of meso-tetrakis (4-sulfonatophenyl) porphyrin with cationic CTAC micelles investigated by small angle X-ray scattering (SAXS) and electron paramagnetic resonance (EPR). Journal of Colloid and Interface Science, 2007, 316, 730-740.	9.4	16
75	Ion Pairs of Crystal Violet in Sodium Bis(2-ethylhexyl)sulfosuccinate Reverse Micelles. Langmuir, 2006, 22, 8718-8726.	3.5	12
76	Photochemically Generated Stable Cation Radical of Phenothiazine Aggregates in Mildly Acid Buffered Solutions. Journal of Physical Chemistry B, 2006, 110, 12257-12265.	2.6	35
77	Interaction of Phenothiazine Compounds with Zwitterionic Lysophosphatidylcholine Micelles:Â Small Angle X-ray Scattering, Electronic Absorption Spectroscopy, and Theoretical Calculations. Journal of Physical Chemistry B, 2006, 110, 13086-13093.	2.6	40
78	The Influence of Urea on the Structure of Proteins in Reversed Micelles. Journal of Nanoscience and Nanotechnology, 2006, 6, 2416-2424.	0.9	2
79	Birefringent hydrogels based on PAAm and lyotropic liquid crystal: Optical, morphological and hydrophilic characterization. European Polymer Journal, 2006, 42, 2781-2790.	5.4	21
80	Interaction of small amounts of bovine serum albumin with phospholipid monolayers investigated by surface pressure and atomic force microscopy. Journal of Colloid and Interface Science, 2006, 297, 546-553.	9.4	35
81	Small-Angle X-Ray Scattering on Solutions of Carboxymethylcellulose and Bovine Serum Albumin. Macromolecular Bioscience, 2005, 5, 331-336.	4.1	14
82	TÃ©cnicas de caracterizaÃ§Ã£o para investigar interaÃ§Ãµes no nÃvel molecular em filmes de Langmuir e Langmuir-Blodgett (LB). Quimica Nova, 2005, 28, 502-510.	0.3	19
83	Porphyrin Effects on Zwitterionic HPS Micelles as Investigated by Small-Angle X-ray Scattering (SAXS) and Electron Paramagnetic Resonance (EPR). Journal of Physical Chemistry B, 2005, 109, 22264-22272.	2.6	9
84	Surfactantâ"Polymer Aggregates Formed by Sodium Dodecyl Sulfate, Poly(N-vinyl-2-pyrrolidone), and Poly(ethylene glycol). Langmuir, 2005, 21, 127-133.	3.5	40
85	Effect of urea on bovine serum albumin in aqueous and reverse micelle environments investigated by small angle X-ray scattering, fluorescence and circular dichroism. Brazilian Journal of Physics, 2004, 34, 58.	1.4	45
86	Small Angle X-ray Scattering (SAXS) Study of the Extracellular Hemoglobin of Glossoscolex paulistus. Journal of Biological Chemistry, 2004, 279, 33298-33305.	3.4	26
87	Bovine serum albumin (BSA) plays a role in the size of SDS micelle-like aggregates at the saturation binding: the ionic strength effect. Journal of Colloid and Interface Science, 2004, 277, 285-291.	9.4	50
88	Small-angle X-ray scattering and electron paramagnetic resonance study of the interaction of bovine serum albumin with ionic surfactants. Journal of Colloid and Interface Science, 2004, 277, 471-482.	9.4	86
89	Enhanced stabilization of aerosol-OT surfactant monolayer upon interaction with small amounts of bovine serum albumin at the airâ€"water interface. Colloids and Surfaces B: Biointerfaces, 2004, 38, 21-27.	5.0	20
90	Trifluoperazine effects on anionic and zwitterionic micelles: a study by small angle X-ray scattering. Journal of Colloid and Interface Science, 2003, 260, 414-422.	9.4	37

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91	A systematic study of bovine serum albumin (BSA) and sodium dodecyl sulfate (SDS) interactions by surface tension and small angle X-ray scattering. Journal of Colloid and Interface Science, 2003, 262, 400-408.	9.4	221
92	Chlorpromazine and Sodium Dodecyl Sulfate Mixed Micelles Investigated by Small Angle X-Ray Scattering. Journal of Colloid and Interface Science, 2002, 248, 149-157.	9.4	52
93	The effect of poly(ethylene glycol) on the activity and structure of glucose-6-phosphate dehydrogenase in solution. Colloids and Surfaces B: Biointerfaces, 2002, 26, 291-300.	5.0	26
94	Lysozyme viscoelastic matrices in tetramethylurea/water media: a small angle X-ray scattering study. Biophysical Chemistry, 2002, 99, 169-179.	2.8	14
95	Structural Characterization of the pH-Denatured States of Ferricytochrome-c by Synchrotron Small Angle X-Ray Scattering. Biophysical Journal, 2001, 81, 3522-3533.	0.5	44
96	Local anesthetic-induced microscopic and mesoscopic effects in micelles. A fluorescence, spin label and SAXS study. Biochimica Et Biophysica Acta - Biomembranes, 2001, 1510, 93-105.	2.6	14
97	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. Chemistry - A European Journal, 2001, 7, 388-395.	3.3	82
98	Micellar Shape Transformation Induced by Decanol:Â A Study by Small-Angle X-ray Scattering (SAXS). Langmuir, 2000, 16, 6102-6109.	3.5	16
99	Interactive forces on Aerosol-OT/n-hexane/water/urea reversed micelles by small angle x-ray scattering. Journal of Chemical Physics, 1999, 111, 7668-7674.	3.0	14
100	Decanol Effect on Micellar Structure and Phase Transitions. Langmuir, 1999, 15, 936-939.	3.5	11
101	Membrane Structure Characterization Using Variable-Period X-Ray Standing Waves. Biophysical Journal, 1998, 74, 1924-1936.	0.5	11
102	Micellar aggregates near the isotropic-cubic liquid crystal phase transition. Journal of Chemical Physics, 1997, 107, 638-644.	3.0	11
103	Structure Determination of AOT/n-Hexane/Water/Urea Reversed Micelles by Light and Small Angle X-ray Scattering. Langmuir, 1996, 12, 4638-4643.	3.5	29
104	Small-angle x-ray scattering of DNA fragments: form and interference factors. Macromolecules, 1995, 28, 8395-8400.	4.8	8
105	Structural study of the aggregates formed by the dinucleoside phosphate G2 in aqueous solution. Liquid Crystals, 1992, 12, 913-919.	2.2	21