Daniela Russo

List of Publications by Year
in descending order

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Version: 2024-02-01

43	1,485	331259 21	315357 38
papers	citations	h-index	g-index

45	45	45	1726
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conformation of Myoglobinâ€Poly(Ethyl Ethylene Phosphate) Conjugates Probed by SANS: Correlation with Polymer Grafting Density and Interaction. Macromolecular Bioscience, 2021, 21, 2000356.	2.1	2
2	Insight into Proteinâ€“Polymer Conjugate Relaxation Dynamics: The Importance of Polymer Grafting. Macromolecular Bioscience, 2020, 20, 1900410.	2.1	10
3	Proteinâ€“Polymer Dynamics as Affected by Polymer Coating and Interactions. Langmuir, 2019, 35, 2674-2679.	1.6	10
4	Dynamics Properties of Photosynthetic Microorganisms Probed by Incoherent Neutron Scattering. Biophysical Journal, 2019, 116, 1759-1768.	0.2	5
5	Effect of Polymer Chain Density on Proteinâ€“Polymer Conjugate Conformation. Biomacromolecules, 2019, 20, 1944-1955.	2.6	19
6	PPEylation of proteins: Synthesis, activity, and stability of myoglobin-polyphosphoester conjugates. European Polymer Journal, 2018, 108, 357-363.	2.6	20
7	Reversible Bioconjugation: Biodegradable Poly(phosphate)â€Protein Conjugates. Macromolecular Bioscience, 2017, 17, .	2.1	28
8	Pressure effects on collective density fluctuations in water and protein solutions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11410-11415.	3.3	27
9	Water Collective Dynamics in Whole Photosynthetic Green Algae as Affected by Protein Single Mutation. Journal of Physical Chemistry Letters, 2016, 7, 2429-2433.	2.1	9
10	Nano-confinement of biomolecules: Hydrophilic confinement promotes structural order and enhances mobility of water molecules. Nano Research, 2016, 9, 273-281.	5.8	6
11	Investigation into the Relaxation Dynamics of Polymerâ€“Protein Conjugates Reveals Surprising Role of Polymer Solvation on Inherent Protein Flexibility. Biomacromolecules, 2016, 17, 141-147.	2.6	27
12	Painting biological low-frequency vibrational modes from small peptides to proteins. Physical Chemistry Chemical Physics, 2015, 17, 11423-11431.	1.3	18
13	Mapping water dynamics in defined local environment: From hindered rotation to vibrational modes. Journal of Non-Crystalline Solids, 2015, 407, 459-464.	1.5	4
14	Structure/Function/Dynamics of Photosystem II Plastoquinone Binding Sites. Current Protein and Peptide Science, 2014, 15, 285-295.	0.7	56
15	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 138-146.	0.7	9
16	Corrigendum to â€œHeat-Induced Unfolding of Neocarzinostatin, a Small All-Î² Protein Investigated by Small-Angle X-ray Scatteringâ€•[J Mol Biol 308 (2001) 721â€“743]. Journal of Molecular Biology, 2014, 426, 994.	2.0	0
17	Evidence of Dynamical Constraints Imposed by Water Organization around a Bioâ€“Hydrophobic Interface. Journal of Physical Chemistry B, 2013, 117, 2829-2836.	1.2	21
18	The impact of high hydrostatic pressure on structure and dynamics of Î²-lactoglobulin. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4974-4980.	1.1	31

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19	Brillouin Neutron Spectroscopy as a Probe to Investigate Collective Density Fluctuations in Biomolecules Hydration Water. Spectroscopy, 2012, 27, 293-305.	0.8	8
20	Vibrational Density of States of Hydration Water at Biomolecular Sites: Hydrophobicity Promotes Low Density Amorphous Ice Behavior. Journal of the American Chemical Society, 2011, 133, 4882-4888.	6.6	53
21	In situ molecular dynamics analysis of the water hydrogen bond at biomolecular sites: Hydrophobicity enhances dynamics heterogeneity. Chemical Physics Letters, 2011, 517, 80-85.	1.2	5
22	Dynamic and sub-ambient thermal transition relationships in waterâ€“sucrose solutions. Journal of Thermal Analysis and Calorimetry, 2011, 104, 365-374.	2.0	7
23	On the behaviour of water hydrogen bonds at biomolecular sites: Dependences on temperature and on network dimensionality. Journal of Molecular Structure, 2010, 972, 81-86.	1.8	17
24	Elastic incoherent neutron scattering as a probe of high pressure induced changes in protein flexibility. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 63-67.	1.1	19
25	Connection between slow and fast dynamics of molecular liquids around the glass transition. Physical Review E, 2010, 82, 021508.	0.8	30
26	The impact of hydration water on the dynamics of side chains of hydrophobic peptides: From dry powder to highly concentrated solutions. Journal of Chemical Physics, 2009, 130, 235101.	1.2	31
27	Combining structure and dynamics: non-denaturing high-pressure effect on lysozyme in solution. Journal of the Royal Society Interface, 2009, 6, S619-34.	1.5	86
28	The impact of kosmotropes and chaotropes on bulk and hydration shell water dynamics in a model peptide solution. Chemical Physics, 2008, 345, 200-211.	0.9	44
29	IN13 Backscattering Spectrometer at ILL: Looking for Motions in Biological Macromolecules and Organisms. Neutron News, 2008, 19, 14-18.	0.1	43
30	Water hydrogen bond analysis on hydrophilic and hydrophobic biomolecule sites. Physical Chemistry Chemical Physics, 2008, 10, 4968.	1.3	47
31	Spectroscopic investigation of ionizing-radiation tolerance of aChlorophyceaegreen micro-alga. Journal of Physics Condensed Matter, 2008, 20, 104216.	0.7	11
32	Effects of hydration water on protein methyl group dynamics in solution. Physical Review E, 2007, 75, 040902.	0.8	24
33	Molecular View of Water Dynamics near Model Peptides. Journal of Physical Chemistry B, 2005, 109, 12966-12975.	1.2	122
34	Evidence for Anomalous Hydration Dynamics near a Model Hydrophobic Peptideâ€. Journal of Physical Chemistry B, 2004, 108, 19885-19893.	1.2	56
35	Hydration Dynamics Near a Model Protein Surface. Biophysical Journal, 2004, 86, 1852-1862.	0.2	168
36	Hydration water dynamics of a completely hydrophobic oligopeptide. Chemical Physics, 2003, 292, 235-245.	0.9	32

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37	Water structure as a function of temperature from X-ray scattering experiments and ab initio molecular dynamics. Physical Chemistry Chemical Physics, 2003, 5, 1981.	1.3	189
38	Dynamic Transition Associated with the Thermal Denaturation of a Small Beta Protein. Biophysical Journal, 2002, 83, 2792-2800.	0.2	44
39	Characterization of the Denatured States Distribution of Neocarzinostatin by Small-Angle Neutron Scattering and Differential Scanning Calorimetry. Biochemistry, 2001, 40, 3958-3966.	1.2	21
40	Heat-induced unfolding of neocarzinostatin, a small all-Î² protein investigated by small-angle X-ray scattering 1 1Edited by M. F. Moody. Journal of Molecular Biology, 2001, 308, 721-743.	2.0	106
41	Study of thermally and chemically unfolded conformations of a small Î²-protein by means of small-angle neutron scattering. Physica B: Condensed Matter, 2000, 276-278, 520-521.	1.3	11
42	IQNS-monitored dynamical transition of a small Î²-protein following heat denaturation. Physica B: Condensed Matter, 2000, 276-278, 499-500.	1.3	4
43	Low frequency dynamics in the enzyme superoxide dismutase revealed by inelastic neutron scattering. Physica B: Condensed Matter, 1997, 234-236, 223-224.	1.3	5