

Laura R Stingaciu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

832
citations

687363

13
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

1260
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of Protein Dynamics & via Neutron Spin Echo Spectroscopy. Journal of Visualized Experiments, 2022, , .	0.3	0
2	Manipulating Phospholipid Vesicles at the Nanoscale: A Transformation from Unilamellar to Multilamellar by an <i>n</i> -Alkyl-poly(ethylene oxide). Langmuir, 2021, 37, 2362-2375.	3.5	16
3	Magnetic charge's relaxation propelled electricity in two-dimensional magnetic honeycomb lattice. IScience, 2021, 24, 102206.	4.1	2
4	Acetaminophen Interactions with Phospholipid Vesicles Induced Changes in Morphology and Lipid Dynamics. Langmuir, 2021, 37, 9560-9570.	3.5	10
5	Reduced Internal Friction by Osmolyte Interaction in Intrinsically Disordered Myelin Basic Protein. Journal of Physical Chemistry Letters, 2020, 11, 292-296.	4.6	10
6	Membrane stiffness and myelin basic protein binding strength as molecular origin of multiple sclerosis. Scientific Reports, 2020, 10, 16691.	3.3	12
7	How cholesterol stiffens unsaturated lipid membranes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21896-21905.	7.1	212
8	Fluctuation suppression in microgels by polymer electrolytes. Structural Dynamics, 2020, 7, 034302.	2.3	1
9	Uncoupling between the lipid membrane dynamics of differing hierarchical levels. Physical Review E, 2020, 101, 012416.	2.1	8
10	A comparison of the network structure and inner dynamics of homogeneously and heterogeneously crosslinked PNIPAM microgels with high crosslinker content. Soft Matter, 2019, 15, 1053-1064.	2.7	45
11	The Neutron Spin Echo Spectrometer at SNS and its Biophysics Applications. Biophysical Journal, 2019, 116, 431a-432a.	0.5	0
12	Influence of Chemically Disrupted Photosynthesis on Cyanobacterial Thylakoid Dynamics in Synechocystis sp. PCC 6803. Scientific Reports, 2019, 9, 5711.	3.3	10
13	A better view through new glasses: Developments at the Jülich neutron spin echo spectrometers. Physica B: Condensed Matter, 2019, 562, 9-12.	2.7	4
14	Structure and Dynamics of Intrinsically Disordered and Unfolded Proteins: Investigations using Small-Angle Scattering and Neutron Spin-Echo Spectroscopy. Biophysical Journal, 2019, 116, 490a-491a.	0.5	0
15	Efficient data extraction from neutron time-of-flight spin-echo raw data. Journal of Applied Crystallography, 2019, 52, 1022-1034.	4.5	19
16	Controllable activation of nanoscale dynamics in a disordered protein alters binding kinetics. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, a3-a3.	0.1	0
17	Controllable Activation of Nanoscale Dynamics in a Disordered Protein Alters Binding Kinetics. Journal of Molecular Biology, 2017, 429, 987-998.	4.2	12
18	Hemoglobin diffusion and the dynamics of oxygen capture by red blood cells. Scientific Reports, 2017, 7, 10448.	3.3	43

#	ARTICLE	IF	CITATIONS
19	Confined Dynamics of Grafted Polymer Chains in Solutions of Linear Polymer. <i>Macromolecules</i> , 2017, 50, 7372-7379.	4.8	23
20	Fast antibody fragment motion: flexible linkers act as entropic spring. <i>Scientific Reports</i> , 2016, 6, 22148.	3.3	30
21	Characteristic length scales of the secondary relaxations in glass-forming glycerol. <i>European Physical Journal E</i> , 2016, 39, 40.	1.6	5
22	Revealing the Dynamics of Thylakoid Membranes in Living Cyanobacterial Cells. <i>Scientific Reports</i> , 2016, 6, 19627.	3.3	43
23	Excess wing in glass-forming glycerol and LiCl-glycerol mixtures detected by neutron scattering. <i>European Physical Journal E</i> , 2015, 38, 1.	1.6	61
24	Probing the Domain Motions of an Oligomeric Protein from Deep-Sea Hyperthermophile by Neutron Spin Echo. <i>Biophysical Journal</i> , 2015, 108, 59a.	0.5	3
25	Internal Nanosecond Dynamics in the Intrinsically Disordered Myelin Basic Protein. <i>Journal of the American Chemical Society</i> , 2014, 136, 6987-6994.	13.7	87
26	Proton dynamics in $\text{La}_{0.8}\text{Ba}_{1.2}\text{GaO}_{3.9}\text{Å-nH}_2\text{O}$ studied by quasielastic incoherent neutron scattering. <i>Solid State Ionics</i> , 2013, 252, 12-18.	2.7	8
27	In Situ Root System Architecture Extraction from Magnetic Resonance Imaging for Water Uptake Modeling. <i>Vadose Zone Journal</i> , 2013, 12, 1-9.	2.2	38
28	Determination of Soil Hydraulic Properties Using Magnetic Resonance Techniques and Classical Soil Physics Measurements. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	1
29	Determination of pore size distribution and hydraulic properties using nuclear magnetic resonance relaxometry: A comparative study of laboratory methods. <i>Water Resources Research</i> , 2010, 46, .	4.2	77
30	Characterization of unsaturated porous media by high-field and low-field NMR relaxometry. <i>Water Resources Research</i> , 2009, 45, .	4.2	52