

# 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	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
2	Internal Nanosecond Dynamics in the Intrinsically Disordered Myelin Basic Protein. Journal of the American Chemical Society, 2014, 136, 6987-6994.	13.7	87
3	Determination of pore size distribution and hydraulic properties using nuclear magnetic resonance relaxometry: A comparative study of laboratory methods. Water Resources Research, 2010, 46, .	4.2	77
4	Excess wing in glass-forming glycerol and LiCl-glycerol mixtures detected by neutron scattering. European Physical Journal E, 2015, 38, 1.	1.6	61
5	Characterization of unsaturated porous media by high-field and low-field NMR relaxometry. Water Resources Research, 2009, 45, .	4.2	52
6	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
7	Revealing the Dynamics of Thylakoid Membranes in Living Cyanobacterial Cells. Scientific Reports, 2016, 6, 19627.	3.3	43
8	Hemoglobin diffusion and the dynamics of oxygen capture by red blood cells. Scientific Reports, 2017, 7, 10448.	3.3	43
9	In Situ Root System Architecture Extraction from Magnetic Resonance Imaging for Water Uptake Modeling. Vadose Zone Journal, 2013, 12, 1-9.	2.2	38
10	Fast antibody fragment motion: flexible linkers act as entropic spring. Scientific Reports, 2016, 6, 22148.	3.3	30
11	Confined Dynamics of Grafted Polymer Chains in Solutions of Linear Polymer. Macromolecules, 2017, 50, 7372-7379.	4.8	23
12	Efficient data extraction from neutron time-of-flight spin-echo raw data. Journal of Applied Crystallography, 2019, 52, 1022-1034.	4.5	19
13	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
14	Controllable Activation of Nanoscale Dynamics in a Disordered Protein Alters Binding Kinetics. Journal of Molecular Biology, 2017, 429, 987-998.	4.2	12
15	Membrane stiffness and myelin basic protein binding strength as molecular origin of multiple sclerosis. Scientific Reports, 2020, 10, 16691.	3.3	12
16	Influence of Chemically Disrupted Photosynthesis on Cyanobacterial Thylakoid Dynamics in Synechocystis sp. PCC 6803. Scientific Reports, 2019, 9, 5711.	3.3	10
17	Reduced Internal Friction by Osmolyte Interaction in Intrinsically Disordered Myelin Basic Protein. Journal of Physical Chemistry Letters, 2020, 11, 292-296.	4.6	10
18	Acetaminophen Interactions with Phospholipid Vesicles Induced Changes in Morphology and Lipid Dynamics. Langmuir, 2021, 37, 9560-9570.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Proton dynamics in $\text{La}_{0.8}\text{Ba}_{1.2}\text{GaO}_{3.9}\cdot n\text{H}_2\text{O}$ studied by quasielastic incoherent neutron scattering. <i>Solid State Ionics</i> , 2013, 252, 12-18.	2.7	8
20	Uncoupling between the lipid membrane dynamics of differing hierarchical levels. <i>Physical Review E</i> , 2020, 101, 012416.	2.1	8
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	A better view through new glasses: Developments at the Jülich neutron spin echo spectrometers. <i>Physica B: Condensed Matter</i> , 2019, 562, 9-12.	2.7	4
23	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
24	Magnetic charge's relaxation propelled electricity in two-dimensional magnetic honeycomb lattice. <i>IScience</i> , 2021, 24, 102206.	4.1	2
25	Determination of Soil Hydraulic Properties Using Magnetic Resonance Techniques and Classical Soil Physics Measurements. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	1
26	Fluctuation suppression in microgels by polymer electrolytes. <i>Structural Dynamics</i> , 2020, 7, 034302.	2.3	1
27	The Neutron Spin Echo Spectrometer at SNS and its Biophysics Applications. <i>Biophysical Journal</i> , 2019, 116, 431a-432a.	0.5	0
28	Structure and Dynamics of Intrinsically Disordered and Unfolded Proteins: Investigations using Small-Angle Scattering and Neutron Spin-Echo Spectroscopy. <i>Biophysical Journal</i> , 2019, 116, 490a-491a.	0.5	0
29	Controllable activation of nanoscale dynamics in a disordered protein alters binding kinetics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, a3-a3.	0.1	0
30	Study of Protein Dynamics & via Neutron Spin Echo Spectroscopy. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	0