

# Rozita Laghaei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10887546/publications.pdf>

Version: 2024-02-01

23  
papers

670  
citations

623734

14  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

787  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Frog Motor Nerve Terminal Has Very Brief Action Potentials and Three Electrical Regions Predicted to Differentially Control Transmitter Release. <i>Journal of Neuroscience</i> , 2020, 40, 3504-3516.	3.6	10
2	The Influence of Bond Angle on Thermophysical Properties of Three-Center Lennard-Jones Fluids: Computer Simulation and Theory. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 551-576.	2.8	2
3	Impact of spatiotemporal calcium dynamics within presynaptic active zones on synaptic delay at the frog neuromuscular junction. <i>Journal of Neurophysiology</i> , 2018, 119, 688-699.	1.8	10
4	Transmitter release site organization can predict synaptic function at the neuromuscular junction. <i>Journal of Neurophysiology</i> , 2018, 119, 1340-1355.	1.8	17
5	Water and ion permeability of a claudin model: A computational study. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 305-315.	2.6	9
6	Early oligomerization stages for the non-amyloid component of $\alpha$ -synuclein amyloid. <i>Journal of Chemical Physics</i> , 2014, 141, 135103.	3.0	15
7	Calculation of Iron Transport through Human H-chain Ferritin. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7442-7453.	2.5	14
8	Langevin Dynamics Simulation of 3D Colloidal Crystal Vacancies and Phase Transitions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5271-5279.	2.6	4
9	Metal binding sites of human H-chain ferritin and iron transport mechanism to the ferroxidase sites: A molecular dynamics simulation study. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 1042-1050.	2.6	38
10	Distinct Dimerization for Various Alloforms of the Amyloid-Beta Protein: $A\beta_{1-40}$ , $A\beta_{1-42}$ , and $A\beta_{1-40}$ (D23N). <i>Journal of Physical Chemistry B</i> , 2012, 116, 4043-4055.	2.6	102
11	Structure and Thermodynamics of Amylin Dimer Studied by Hamiltonian-Temperature Replica Exchange Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3146-3154.	2.6	67
12	Spontaneous formation of polyglutamine nanotubes with molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2010, 132, 165102.	3.0	28
13	Effect of the Disulfide Bond on the Monomeric Structure of Human Amylin Studied by Combined Hamiltonian and Temperature Replica Exchange Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7071-7077.	2.6	64
14	Replica Exchange Molecular Dynamics Simulations of Coarse-grained Proteins in Implicit Solvent. <i>Journal of Physical Chemistry B</i> , 2009, 113, 267-274.	2.6	70
15	Excluded volume in the generic van der Waals equation of state and the self-diffusion coefficient of the Lennard-Jones fluid. <i>Journal of Chemical Physics</i> , 2006, 124, 154502.	3.0	44
16	Computational studies on thermodynamic properties, effective diameters, and free volume of argon using anab initio potential. <i>Journal of Chemical Physics</i> , 2006, 125, 084510.	3.0	27
17	Molecular theory of thermal conductivity of the Lennard-Jones fluid. <i>Journal of Chemical Physics</i> , 2006, 124, 084506.	3.0	25
18	Theoretical and computational investigations on thermodynamic properties, effective site diameters, and molecular free volume of carbon disulfide fluid. <i>Journal of Chemical Physics</i> , 2006, 125, 154505.	3.0	6

#	ARTICLE	IF	CITATIONS
19	Statistical-mechanical theory of rheology: Lennard-Jones fluids. <i>Journal of Chemical Physics</i> , 2005, 123, 234507.	3.0	24
20	Modified Free Volume Theory of Self-Diffusion and Molecular Theory of Shear Viscosity of Liquid Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8171-8179.	2.6	24
21	Pair Correlation Functions and the Self-Diffusion Coefficient of Lennard-Jones Liquid in the Modified Free Volume Theory of Diffusion. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21375-21379.	2.6	21
22	Generic van der Waals Equation of State, Modified Free Volume Theory of Diffusion, and Viscosity of Simple Liquids. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5873-5883.	2.6	47
23	Microphysiological Modeling of the Structure and Function of Neuromuscular Transmitter Release Sites. <i>Frontiers in Synaptic Neuroscience</i> , 0, 14, .	2.5	2