

Nasrollah Rezaei-Ghaleh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47 papers	1,744 citations	22 h-index	41 g-index
53 ext. papers	2,044 ext. citations	7 avg, IF	4.34 L-index

#	Paper	IF	Citations
47	Molecular Diffusivity of Click Reaction Components: The Diffusion Enhancement Question.. <i>Journal of the American Chemical Society</i> , 2022 , 144, 1380-1388	16.4	1
46	The Calcium-free form of Atorvastatin inhibits amyloid- β (1-42) aggregation in vitro.. <i>Journal of Biological Chemistry</i> , 2022 , 101662	5.4	2
45	Combined High-Pressure and Multiquantum NMR and Molecular Simulation Propose a Role for N-Terminal Salt Bridges in Amyloid-Beta. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9933-9939	6.4	1
44	Biomolecular phase separation through the lens of sodium-23 NMR. <i>Protein Science</i> , 2021 , 30, 1315-1325	5.3	5
43	Multiple Protective Roles of Nanoliposome-Incorporated Baicalein against Alpha-Synuclein Aggregates. <i>Advanced Functional Materials</i> , 2021 , 31, 2007765	15.6	3
42	Early Divergence in Misfolding Pathways of Amyloid-Beta Peptides. <i>ChemPhysChem</i> , 2021 , 22, 2158-2163	3.2	1
41	Singlet-filtered NMR spectroscopy. <i>Science Advances</i> , 2020 , 6, eaaz1955	14.3	19
40	Reorientational Dynamics of Amyloid- β from NMR Spin Relaxation and Molecular Simulation. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3369-3375	6.4	12
39	Lysine/RNA-interactions drive and regulate biomolecular condensation. <i>Nature Communications</i> , 2019 , 10, 2909	17.4	80
38	A facile oxygen-17 NMR method to determine effective viscosity in dilute, molecularly crowded and confined aqueous media. <i>Chemical Communications</i> , 2019 , 55, 12404-12407	5.8	3
37	The potential of zwitterionic nanoliposomes against neurotoxic alpha-synuclein aggregates in Parkinson's Disease. <i>Nanoscale</i> , 2018 , 10, 9174-9185	7.7	24
36	The diphenylpyrazole compound anle138b blocks A β channels and rescues disease phenotypes in a mouse model for amyloid pathology. <i>EMBO Molecular Medicine</i> , 2018 , 10, 32-47	12	39
35	Local and Global Dynamics in Intrinsically Disordered Synuclein. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15262-15266	16.4	29
34	Lokale und globale Dynamik im ungeordneten Synuklein-Protein. <i>Angewandte Chemie</i> , 2018 , 130, 15482-15486	16.4	29
33	Reverse allostasis in biological systems: Minimal conditions and implications. <i>Journal of Theoretical Biology</i> , 2017 , 426, 134-139	2.3	
32	Histidine substitution in the most flexible fragments of firefly luciferase modifies its thermal stability. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 629, 8-18	4.1	4
31	Phosphorylation Interferes with Maturation of Amyloid- β Fibrillar Structure in the N Terminus. <i>Journal of Biological Chemistry</i> , 2016 , 291, 16059-67	5.4	17

30	Solid-Phase Synthesis and Characterization of N-Terminally Elongated Aβ-x -Peptides. <i>Chemistry - A European Journal</i> , 2016 , 22, 8685-93	4.8	6
29	Phosphorylation modifies the molecular stability of β-amyloid deposits. <i>Nature Communications</i> , 2016 , 7, 11359	17.4	57
28	Phosphorylation of the amyloid β-peptide at Ser26 stabilizes oligomeric assembly and increases neurotoxicity. <i>Acta Neuropathologica</i> , 2016 , 131, 525-37	14.3	65
27	HYCUD: a computational tool for prediction of effective rotational correlation time in flexible proteins. <i>Bioinformatics</i> , 2015 , 31, 1319-21	7.2	8
26	Internalization routes of cell-penetrating melanoma antigen peptides into human dendritic cells. <i>Experimental Dermatology</i> , 2014 , 23, 20-6	4	5
25	Turn plasticity distinguishes different modes of amyloid-β aggregation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4913-9	16.4	34
24	Long-range correlated dynamics in intrinsically disordered proteins. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16201-9	16.4	65
23	N-truncated amyloid [Aβ]4-42 forms stable aggregates and induces acute and long-lasting behavioral deficits. <i>Acta Neuropathologica</i> , 2013 , 126, 189-205	14.3	123
22	Predicting the rotational tumbling of dynamic multidomain proteins and supramolecular complexes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11410-4	16.4	25
21	Vorhersage der Rotationskorrelationszeit in dynamischen Mehrdomänenproteinen und supramolekularen Komplexen. <i>Angewandte Chemie</i> , 2013 , 125, 11621-11625	3.6	2
20	Structural plasticity in human heterochromatin protein 1. <i>PLoS ONE</i> , 2013 , 8, e60887	3.7	19
19	Intrinsically disordered proteins: from sequence and conformational properties toward drug discovery. <i>ChemBioChem</i> , 2012 , 13, 930-50	3.8	74
18	Discovery and structure activity relationship of small molecule inhibitors of toxic β-amyloid-42 fibril formation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 34786-800	5.4	44
17	Methylation of lysine 9 in histone H3 directs alternative modes of highly dynamic interaction of heterochromatin protein HHP1 with the nucleosome. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33756-65	5.4	53
16	Effect of zinc binding on β-amyloid structure and dynamics: implications for Aβ aggregation. <i>Biophysical Journal</i> , 2011 , 101, 1202-11	2.9	72
15	Interaction between amyloid beta peptide and an aggregation blocker peptide mimicking islet amyloid polypeptide. <i>PLoS ONE</i> , 2011 , 6, e20289	3.7	33
14	Extracellular phosphorylation of the amyloid β-peptide promotes formation of toxic aggregates during the pathogenesis of Alzheimer's disease. <i>EMBO Journal</i> , 2011 , 30, 2255-65	13	129
13	Protein-Protein interactions leading to aggregation: Perspectives on mechanism, significance and control. <i>Journal of the Iranian Chemical Society</i> , 2010 , 7, 521-544	2	14

12	Amyloidogenic potential of alpha-chymotrypsin in different conformational states. <i>Biopolymers</i> , 2009 , 91, 28-36	2.2	15
11	Pre-fibrillar alpha-synuclein variants with impaired beta-structure increase neurotoxicity in Parkinson's disease models. <i>EMBO Journal</i> , 2009 , 28, 3256-68	13	348
10	Conformational changes of alpha-chymotrypsin in a fibrillation-promoting condition: a molecular dynamics study. <i>Biophysical Journal</i> , 2008 , 95, 4139-47	2.9	29
9	Thermal aggregation of alpha-chymotrypsin: role of hydrophobic and electrostatic interactions. <i>Biophysical Chemistry</i> , 2008 , 132, 23-32	3.5	37
8	Thermally induced changes in the structure and activity of yeast hexokinase B. <i>Biophysical Chemistry</i> , 2008 , 137, 88-94	3.5	5
7	Lattice Gas Automata Simulation of 2D Site-Percolation Diffusion: Configuration Dependence of the Theoretically Expected Crossover of Diffusion Regime. <i>Lecture Notes in Computer Science</i> , 2008 , 274-281	0.9	91
6	Inhibition of amyloid fibrillation of lysozyme by indole derivatives--possible mechanism of action. <i>FEBS Journal</i> , 2007 , 274, 6415-25	5.7	112
5	Role of electrostatic interactions in 2,2,2-trifluoroethanol-induced structural changes and aggregation of alpha-chymotrypsin. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 457, 160-9	4.1	50
4	Effect of polyamines on the structure, thermal stability and 2,2,2-trifluoroethanol-induced aggregation of alpha-chymotrypsin. <i>International Journal of Biological Macromolecules</i> , 2007 , 41, 597-604	7.9	56
3	Intellectual development of children born of mothers who fasted in Ramadan during pregnancy. <i>International Journal for Vitamin and Nutrition Research</i> , 2004 , 74, 374-80	1.7	18
2	Directed Ligand Passage over the Surface of Diffusion-Controlled Enzymes: A Cellular Automata Model. <i>Lecture Notes in Computer Science</i> , 2004 , 719-724	0.9	4
1	Signaling in biological systems: insights from communication theory. <i>Journal of Theoretical Biology</i> , 2003 , 224, 411-2	2.3	