

# Mehriar Amininasab

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

541  
citations

840585

11  
h-index

642610

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

937  
citing authors

#	ARTICLE	IF	CITATIONS
1	S494 O-glycosylation site on the SARS-CoV-2 RBD affects the virus affinity to ACE2 and its infectivity; a molecular dynamics study. <i>Scientific Reports</i> , 2021, 11, 15162.	1.6	19
2	Crocin Inhibits the Fibrillation of Human $\alpha$ -synuclein and Disassembles Mature Fibrils: Experimental Findings and Mechanistic Insights from Molecular Dynamics Simulation. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4037-4057.	1.7	14
3	Turn-folded magainin lipopeptide analog induces cytoplasmic vacuoles in MDA-MB-231 cells through G2-phase arrest. <i>Biochemical and Biophysical Research Communications</i> , 2021, 583, 199-205.	1.0	1
4	An efficient method for recombinant production of human alpha synuclein in <i>Escherichia coli</i> using thioredoxin as a fusion partner. <i>Preparative Biochemistry and Biotechnology</i> , 2020, 50, 723-734.	1.0	2
5	Enhancement of glyphosate tolerance in rice ( <i>Oryza sativa</i> L.) through mutation induction in EPSPS (5-enolpyruvylshikimate-3-phosphate synthase). <i>Plant Gene</i> , 2020, 22, 100225.	1.4	5
6	Molecular Insight into the Interaction between Camptothecin and Acyclic Cucurbit[4]urils as Efficient Nanocontainers in Comparison with Cucurbit[7]uril: Molecular Docking and Molecular Dynamics Simulation. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 1791-1803.	2.5	10
7	Structural characterization of PPTI, a kunitz-type protein from the venom of <i>Pseudocerastes persicus</i> . <i>PLoS ONE</i> , 2019, 14, e0214657.	1.1	7
8	Efficient construction of a diverse conformational library for amyloid- $\beta$ as an intrinsically disordered protein. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 88, 183-193.	1.3	9
9	Paclitaxel interaction with cucurbit [7]uril and acyclic Cucurbit[4]uril nanocontainers: A computational approach. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 90, 210-218.	1.3	3
10	Characterization of a new member of kunitz-type protein family from the venom of Persian false-horned viper, <i>Pseudocerastes persicus</i> . <i>Archives of Biochemistry and Biophysics</i> , 2019, 662, 1-6.	1.4	7
11	Arginine/Tryptophan-Rich Cyclic $\alpha$ -Antimicrobial Peptides: The Roles of Hydrogen Bonding and Hydrophobic/Hydrophilic Solvent-Accessible Surface Areas upon Activity and Membrane Selectivity. <i>Chemistry - A European Journal</i> , 2018, 24, 14242-14253.	1.7	18
12	Structural and dynamical insight into thermally induced functional inactivation of firefly luciferase. <i>PLoS ONE</i> , 2017, 12, e0180667.	1.1	9
13	Phosphorylation modifies the molecular stability of $\beta$ -amyloid deposits. <i>Nature Communications</i> , 2016, 7, 11359.	5.8	70
14	Turn Plasticity Distinguishes Different Modes of Amyloid- $\beta$ Aggregation. <i>Journal of the American Chemical Society</i> , 2014, 136, 4913-4919.	6.6	39
15	How Modification of Accessible Lysines to Phenylalanine Modulates the Structural and Functional Properties of Horseradish Peroxidase: A Simulation Study. <i>PLoS ONE</i> , 2014, 9, e109062.	1.1	5
16	A Molecular Dynamics Simulation Study of Nanomechanical Properties of Asymmetric Lipid Bilayer. <i>Journal of Membrane Biology</i> , 2013, 246, 67-73.	1.0	2
17	Evaluation of Inhibitory Effects of Some Natural Products on Tyrosinase Activity by Experimental and Computational Methods. <i>Biophysical Journal</i> , 2013, 104, 232a.	0.2	0
18	Fibrillation of $\alpha$ -Lactalbumin: Effect of crocin and safranal, two natural small molecules from <i>Crocus sativus</i> . <i>Biopolymers</i> , 2010, 93, 854-865.	1.2	44

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19	Structural Evaluation of the Effects of Disulfide Bond Eliminations on Scorpion Toxin $\hat{\rho}$ -Hefutoxin 1 from <i>Heterometrus Fulvipes</i> . <i>Biophysical Journal</i> , 2009, 96, 69a-70a.	0.2	0
20	Conformational Changes of $\hat{\rho}$ -Chymotrypsin in a Fibrillation-Promoting Condition: A Molecular Dynamics Study. <i>Biophysical Journal</i> , 2008, 95, 4139-4147.	0.2	32
21	Structural Stabilization and Functional Improvement of Horseradish Peroxidase upon Modification of Accessible Lysines: Experiments and Simulation. <i>Biophysical Journal</i> , 2007, 92, 1192-1203.	0.2	80
22	Structural and Functional Characterization of a Mutant of <i>Pseudocerastes persicus</i> Natriuretic Peptide. <i>Protein and Peptide Letters</i> , 2006, 13, 295-300.	0.4	2
23	Potent Modulation of the Voltage-Gated Sodium Channel Nav1.7 by OD1, a Toxin from the Scorpion <i>Odonthobuthus doriae</i> . <i>Molecular Pharmacology</i> , 2006, 70, 405-414.	1.0	82
24	OD1, the first toxin isolated from the venom of the scorpion <i>Odonthobuthus doriae</i> active on voltage-gated Na <sup>+</sup> channels. <i>FEBS Letters</i> , 2005, 579, 4181-4186.	1.3	52
25	Functional and structural characterization of a novel member of the natriuretic family of peptides from the venom of <i>Pseudocerastes persicus</i> . <i>FEBS Letters</i> , 2004, 557, 104-108.	1.3	29