Mojtaba Bagheri

List of Publications by Citations

20 papers	499 citations	11 h-index	22 g-index
23 ext. papers	582 ext. citations	4.3 avg, IF	3.91 L-index

#	Paper	IF	Citations
20	Immobilization reduces the activity of surface-bound cationic antimicrobial peptides with no influence upon the activity spectrum. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 1132-41	5.9	204
19	Mode of action of cationic antimicrobial peptides defines the tethering position and the efficacy of biocidal surfaces. *Bioconjugate Chemistry*, **2012**, 23, 66-74	6.3	50
18	Cyclic antimicrobial R-, W-rich peptides: the role of peptide structure and E. coli outer and inner membranes in activity and the mode of action. *European Biophysics Journal*, **2011**, 40, 515-28	1.9	42
17	An intriguing effect of lithium perchlorate dispersed on silica gel in the bromination of aromatic compounds by N-bromosuccinimide. *Canadian Journal of Chemistry*, **2005**, 83, 146-149	0.9	32
16	Interaction of W-substituted analogs of cyclo-RRRWFW with bacterial lipopolysaccharides: the role of the aromatic cluster in antimicrobial activity. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 788-97	5.9	29
15	Tryptic Stability of Synthetic Bactenecin Derivatives Is Determined by the Side Chain Length of Cationic Residues and the Peptide Conformation. *Journal of Medicinal Chemistry*, **2016**, 59, 3079-86	8.3	24
14	IAMPE: NMR-Assisted Computational Prediction of Antimicrobial Peptides. *Journal of Chemical Information and Modeling*, **2020**, 60, 4691-4701	6.1	16
13	Pronounced peptide selectivity for melanoma through tryptophan end-tagging. *Scientific Reports*, **2016**, 6, 24952	4.9	16
12	Bacterial Aggregation Triggered by Fibril Forming Tryptophan-Rich Sequences: Effects of Peptide Side Chain and Membrane Phospholipids. *ACS Applied Materials & Interfaces*, **2020**, 12, 26852-26867	9.5	12
11	Arginine/Tryptophan-Rich Cyclic [E]-Antimicrobial Peptides: The Roles of Hydrogen Bonding and Hydrophobic/Hydrophilic Solvent-Accessible Surface Areas upon Activity and Membrane Selectivity. *Chemistry - A European Journal*, **2018**, 24, 14242-14253	4.8	12
10	Quantitative sequence-activity modeling of antimicrobial hexapeptides using a segmented principal component strategy: an approach to describe and predict activities of peptide drugs containing L/D and unnatural residues. *Amino Acids*, **2015**, 47, 125-34	3.5	11
9	High-Performance Liquid Chromatography and Mass Spectrometry-Based Design of Proteolytically Stable Antimicrobial Peptides. *Methods in Molecular Biology*, **2017**, 1548, 61-71	1.4	10
8	Cationic Antimicrobial Peptides (AMPs): Thermodynamic Characterization of Peptide-Lipid Interactions and Biological Efficacy of Surface-Tethered Peptides. *ChemistryOpen*, **2015**, 4, 389-93	2.3	9
7	Highly efficient and versatile one-pot synthesis of substituted thienylidene compounds. *Journal of Sulfur Chemistry*, **2005**, 26, 245-250	2.3	7
6	Molecular Dynamics Simulation and Analysis of the Antimicrobial Peptide-Lipid Bilayer Interactions. *Methods in Molecular Biology*, **2017**, 1548, 103-118	1.4	6
5	Polymyxins interaction to the human serum albumin: A thermodynamic and computational study. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 217, 155-163	4.4	6
4	Synthesis and thermodynamic characterization of small cyclic antimicrobial arginine and tryptophan-rich peptides with selectivity for Gram-negative bacteria. *Methods in Molecular Biology*, **2010**, 618, 87-109	1.4	5

List of Publications

3	Palmitoylation of Membrane-Penetrating Magainin Derivatives Reinforces Necroptosis in A549 Cells Dependent on Peptide Conformational Propensities. *ACS Applied Materials & Interfaces*, **2020**, 12, 56815-56829	9.5	4
2	CpACpP: Cell-Penetrating Anticancer Peptide Prediction Using a Novel Bioinformatics Framework. *ACS Omega*, **2021**, 6, 19846-19859	3.9	3
1	Turn-folded magainin lipopeptide analog induces cytoplasmic vacuoles in MDA-MB-231 cells through G2-phase arrest. *Biochemical and Biophysical Research Communications*, **2021**, 583, 199-205	3.4	0