

# Mojtaba Bagheri

## 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.

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	Turn-folded magainin lipopeptide analog induces cytoplasmic vacuoles in MDA-MB-231 cells through G2-phase arrest. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 583, 199-205	3.4	0
19	CpACpP: Cell-Penetrating Anticancer Peptide Prediction Using a Novel Bioinformatics Framework. <i>ACS Omega</i> , <b>2021</b> , 6, 19846-19859	3.9	3
18	Palmitoylation of Membrane-Penetrating Magainin Derivatives Reinforces Necroptosis in A549 Cells Dependent on Peptide Conformational Propensities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 56815-56829	9.5	4
17	Bacterial Aggregation Triggered by Fibril Forming Tryptophan-Rich Sequences: Effects of Peptide Side Chain and Membrane Phospholipids. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 26852-26867	9.5	12
16	IAMPE: NMR-Assisted Computational Prediction of Antimicrobial Peptides. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 4691-4701	6.1	16
15	Polymyxins interaction to the human serum albumin: A thermodynamic and computational study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 217, 155-163	4.4	6
14	Arginine/Tryptophan-Rich Cyclic 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> , <b>2018</b> , 24, 14242-14253	4.8	12
13	High-Performance Liquid Chromatography and Mass Spectrometry-Based Design of Proteolytically Stable Antimicrobial Peptides. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1548, 61-71	1.4	10
12	Molecular Dynamics Simulation and Analysis of the Antimicrobial Peptide-Lipid Bilayer Interactions. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1548, 103-118	1.4	6
11	Tryptic Stability of Synthetic Bactenecin Derivatives Is Determined by the Side Chain Length of Cationic Residues and the Peptide Conformation. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 3079-86	8.3	24
10	Pronounced peptide selectivity for melanoma through tryptophan end-tagging. <i>Scientific Reports</i> , <b>2016</b> , 6, 24952	4.9	16
9	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. <i>Amino Acids</i> , <b>2015</b> , 47, 125-34	3.5	11
8	Cationic Antimicrobial Peptides (AMPs): Thermodynamic Characterization of Peptide-Lipid Interactions and Biological Efficacy of Surface-Tethered Peptides. <i>ChemistryOpen</i> , <b>2015</b> , 4, 389-93	2.3	9
7	Mode of action of cationic antimicrobial peptides defines the tethering position and the efficacy of biocidal surfaces. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 66-74	6.3	50
6	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. <i>European Biophysics Journal</i> , <b>2011</b> , 40, 515-28	1.9	42
5	Interaction of W-substituted analogs of cyclo-RRRWFW with bacterial lipopolysaccharides: the role of the aromatic cluster in antimicrobial activity. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 788-97	5.9	29
4	Synthesis and thermodynamic characterization of small cyclic antimicrobial arginine and tryptophan-rich peptides with selectivity for Gram-negative bacteria. <i>Methods in Molecular Biology</i> , <b>2010</b> , 618, 87-109	1.4	5

3	Immobilization reduces the activity of surface-bound cationic antimicrobial peptides with no influence upon the activity spectrum. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 1132-41	5.9	204
2	An intriguing effect of lithium perchlorate dispersed on silica gel in the bromination of aromatic compounds by N-bromosuccinimide. <i>Canadian Journal of Chemistry</i> , <b>2005</b> , 83, 146-149	0.9	32
1	Highly efficient and versatile one-pot synthesis of substituted thienylidene compounds. <i>Journal of Sulfur Chemistry</i> , <b>2005</b> , 26, 245-250	2.3	7