

# Zhigang Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

1,364  
citations

471509

17  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conformation of the Backbone in Unfolded Proteins. <i>Chemical Reviews</i> , 2006, 106, 1877-1897.	47.7	249
2	Length Effects in Antimicrobial Peptides of the (RW) <sub>n</sub> Series. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 597-603.	3.2	167
3	Polyproline II propensities from GGXGG peptides reveal an anticorrelation with $\hat{A}$ -sheet scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17964-17968.	7.1	148
4	Synthesis and biological evaluation of novel 1,3,5-triazine derivatives as antimicrobial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1308-1311.	2.2	96
5	The polyproline II conformation in short alanine peptides is noncooperative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15352-15357.	7.1	86
6	Solvent Dependence of PII Conformation in Model Alanine Peptides. <i>Journal of the American Chemical Society</i> , 2004, 126, 15141-15150.	13.7	75
7	Antimicrobial dendrimer active against <i>Escherichia coli</i> biofilms. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5478-5481.	2.2	57
8	Tuning the Membrane Selectivity of Antimicrobial Peptides by Using Multivalent Design. <i>ChemBioChem</i> , 2007, 8, 2063-2065.	2.6	55
9	Neighbor Effect on PPII Conformation in Alanine Peptides. <i>Journal of the American Chemical Society</i> , 2005, 127, 10146-10147.	13.7	49
10	Multivalent Antimicrobial Peptides from a Reactive Polymer Scaffold. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3436-3439.	6.4	42
11	Effects of Trp- and Arg-Containing Antimicrobial-Peptide Structure on Inhibition of <i>Escherichia coli</i> Planktonic Growth and Biofilm Formation. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1967-1974.	3.1	41
12	Structure and antimicrobial properties of multivalent short peptides. <i>MedChemComm</i> , 2011, 2, 308.	3.4	34
13	Synthetic dendrimeric peptide active against biofilm and persister cells of <i>Pseudomonas aeruginosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8125-8135.	3.6	30
14	Spin Relaxation Enhancement Confirms Dominance of Extended Conformations in Short Alanine Peptides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9036-9039.	13.8	29
15	Controlling Persister and Biofilm Cells of Gram-Negative Bacteria with a New 1,3,5-Triazine Derivative. <i>Pharmaceuticals</i> , 2015, 8, 696-710.	3.8	24
16	PII structure in the model peptides for unfolded proteins: Studies on ubiquitin fragments and several alanine-rich peptides containing QQQ, SSS, FFF, and VVV. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 63, 312-321.	2.6	21
17	OH radical production stimulated by (RW) <sub>4</sub> D, a synthetic antimicrobial agent and indolicidin. <i>MedChemComm</i> , 2012, 3, 1548.	3.4	3