Zhigang Liu

List of Publications by Year
in descending order

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17	1,364	471509 17	794594 19
papers	citations	h-index	g-index

20	20	20	1535
all docs	docs citations	times ranked	citing authors

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