Richard P Cheng

List of Publications by Year
in descending order

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		759233	477307
29	2,375	12	29
papers	citations	h-index	g-index

29	29	29	2520
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural impact of thioamide incorporation into a Î²-hairpin. RSC Chemical Biology, 2022, 3, 582-591.	4.1	4
2	The Effects of Charged Amino Acid Side-Chain Length on Diagonal Cross-Strand Interactions between Carboxylate- and Ammonium-Containing Residues in a Î²-Hairpin. Molecules, 2022, 27, 4172.	3.8	1
3	Swapping the Positions in a Cross-Strand Lateral Ion-Pairing Interaction between Ammonium- and Carboxylate-Containing Residues in a Î²-Hairpin. Molecules, 2021, 26, 1346.	3.8	7
4	Longer charged amino acids favor Î²â€strand formation in hairpin peptides. Journal of Peptide Science, 2021, 27, e3333.	1.4	3
5	Using Slippage to Construct a Prototypical Molecular â€œLock & Lockâ€•Box. Organic Letters, 2021, 23, 5787-5792.	4.6	4
6	Insertion of Pro-Hyp-Gly provides 2 kcal mol^{â^'1} stability but attenuates the specific assembly of ABC heterotrimeric collagen triple helices. Organic and Biomolecular Chemistry, 2021, 19, 1860-1866.	2.8	4
7	Effects of Arginine Deimination and Citrulline Sideâ€Chain Length on Peptide Secondary Structure Formation. ChemBioChem, 2019, 20, 2118-2124.	2.6	3
8	[2]Catenanes Displaying Switchable Gin-Trap-Like Motion. Journal of Organic Chemistry, 2018, 83, 5619-5628.	3.2	7
9	Na⁺ Ions Induce the Pirouetting Motion and Catalytic Activity of [2]Rotaxanes. Chemistry - A European Journal, 2017, 23, 9756-9760.	3.3	36
10	Probing the polarity and water environment at the protein-peptide binding interface using tryptophan analogues. Biochemistry and Biophysics Reports, 2016, 7, 113-118.	1.3	10
11	Effect of lysine methylation and acetylation on the RNA recognition and cellular uptake of Tat-derived peptides. Bioorganic and Medicinal Chemistry, 2016, 24, 5047-5051.	3.0	1
12	Effect of charged amino acid side chain length on lateral cross-strand interactions between carboxylate- and guanidinium-containing residues in a Î²-hairpin. Amino Acids, 2015, 47, 885-898.	2.7	12
13	Effect of arginine methylation on the RNA recognition and cellular uptake of Tat-derived peptides. Bioorganic and Medicinal Chemistry, 2015, 23, 2281-2286.	3.0	5
14	Attenuating HIV Tat/TAR-mediated protein expression by exploring the side chain length of positively charged residues. Organic and Biomolecular Chemistry, 2015, 13, 11096-11104.	2.8	4
15	Effect of each guanidinium group on the RNA recognition and cellular uptake of Tat-derived peptides. Bioorganic and Medicinal Chemistry, 2014, 22, 3016-3020.	3.0	10
16	Effect of side chain length on intrahelical interactions between carboxylate- and guanidinium-containing amino acids. Amino Acids, 2014, 46, 1867-1883.	2.7	5
17	Altering the Tat-derived peptide bioactivity landscape by changing the arginine side chain length. Amino Acids, 2013, 44, 473-480.	2.7	12
18	Effect of Charged Amino Acid Side Chain Length at Non-Hydrogen Bonded Strand Positions on Î²-Hairpin Stability. Biochemistry, 2013, 52, 7785-7797.	2.5	16

#	Article	IF	Citations
19	Effect of Charged Amino Acid Side Chain Length on Lateral Cross-Strand Interactions between Carboxylate-Containing Residues and Lysine Analogues in a Î²-Hairpin. Biochemistry, 2013, 52, 9212-9222.	2.5	12
20	Enhanced Non-Endocytotic Uptake of Mesoporous Silica Nanoparticles by Shortening the Peptide Transporter Arginine Side Chain. ACS Applied Materials & Interfaces, 2013, 5, 12244-12248.	8.0	19
21	Effect of Glutamate Side Chain Length on Intrahelical Glutamateâ€“Lysine Ion Pairing Interactions. Biochemistry, 2012, 51, 7157-7172.	2.5	16
22	Helix formation and capping energetics of arginine analogs with varying side chain length. Amino Acids, 2012, 43, 195-206.	2.7	19
23	Positional Effects on Helical Ala-Based Peptides. Biochemistry, 2010, 49, 9372-9384.	2.5	9
24	Effect of Lysine Side Chain Length on Intra-Helical Glutamateâ¯Lysine Ion Pairing Interactions. Biochemistry, 2007, 46, 10528-10537.	2.5	28
25	Chemoenzymatic Synthesis of (S)-Hexafluoroleucine and (S)-Tetrafluoroleucine. Organic Letters, 2007, 9, 5517-5520.	4.6	22
26	Helix Propensity of Highly Fluorinated Amino Acids. Journal of the American Chemical Society, 2006, 128, 15556-15557.	13.7	104
27	Beyond de novo protein design â€" de novo design of non-natural folded oligomers. Current Opinion in Structural Biology, 2004, 14, 512-520.	5.7	123
28	Î²-Peptides:â€‰ From Structure to Function. Chemical Reviews, 2001, 101, 3219-3232.	47.7	1,772
29	De Novo Design of a Monomeric Helical Î²-Peptide Stabilized by Electrostatic Interactions. Journal of the American Chemical Society, 2001, 123, 5162-5163.	13.7	107