

# Richard P Cheng

## List of Publications by Year in descending order

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29  
papers

2,375  
citations

759233

12  
h-index

477307

29  
g-index

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all docs

29  
docs citations

29  
times ranked

2520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Î²-Peptides: From Structure to Function. <i>Chemical Reviews</i> , 2001, 101, 3219-3232.	47.7	1,772
2	Beyond de novo protein design – de novo design of non-natural folded oligomers. <i>Current Opinion in Structural Biology</i> , 2004, 14, 512-520.	5.7	123
3	De Novo Design of a Monomeric Helical Î²-Peptide Stabilized by Electrostatic Interactions. <i>Journal of the American Chemical Society</i> , 2001, 123, 5162-5163.	13.7	107
4	Helix Propensity of Highly Fluorinated Amino Acids. <i>Journal of the American Chemical Society</i> , 2006, 128, 15556-15557.	13.7	104
5	Na <sup>+</sup> Ions Induce the Pirouetting Motion and Catalytic Activity of [2]Rotaxanes. <i>Chemistry - A European Journal</i> , 2017, 23, 9756-9760.	3.3	36
6	Effect of Lysine Side Chain Length on Intra-Helical Glutamate~Lysine Ion Pairing Interactions. <i>Biochemistry</i> , 2007, 46, 10528-10537.	2.5	28
7	Chemoenzymatic Synthesis of (S)-Hexafluoroleucine and (S)-Tetrafluoroleucine. <i>Organic Letters</i> , 2007, 9, 5517-5520.	4.6	22
8	Helix formation and capping energetics of arginine analogs with varying side chain length. <i>Amino Acids</i> , 2012, 43, 195-206.	2.7	19
9	Enhanced Non-Endocytotic Uptake of Mesoporous Silica Nanoparticles by Shortening the Peptide Transporter Arginine Side Chain. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12244-12248.	8.0	19
10	Effect of Glutamate Side Chain Length on Intrahelical Glutamate~Lysine Ion Pairing Interactions. <i>Biochemistry</i> , 2012, 51, 7157-7172.	2.5	16
11	Effect of Charged Amino Acid Side Chain Length at Non-Hydrogen Bonded Strand Positions on Î²-Hairpin Stability. <i>Biochemistry</i> , 2013, 52, 7785-7797.	2.5	16
12	Altering the Tat-derived peptide bioactivity landscape by changing the arginine side chain length. <i>Amino Acids</i> , 2013, 44, 473-480.	2.7	12
13	Effect of Charged Amino Acid Side Chain Length on Lateral Cross-Strand Interactions between Carboxylate-Containing Residues and Lysine Analogues in a Î²-Hairpin. <i>Biochemistry</i> , 2013, 52, 9212-9222.	2.5	12
14	Effect of charged amino acid side chain length on lateral cross-strand interactions between carboxylate- and guanidinium-containing residues in a Î²-hairpin. <i>Amino Acids</i> , 2015, 47, 885-898.	2.7	12
15	Effect of each guanidinium group on the RNA recognition and cellular uptake of Tat-derived peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3016-3020.	3.0	10
16	Probing the polarity and water environment at the protein-peptide binding interface using tryptophan analogues. <i>Biochemistry and Biophysics Reports</i> , 2016, 7, 113-118.	1.3	10
17	Positional Effects on Helical Ala-Based Peptides. <i>Biochemistry</i> , 2010, 49, 9372-9384.	2.5	9
18	[2]Catenanes Displaying Switchable Gin-Trap-Like Motion. <i>Journal of Organic Chemistry</i> , 2018, 83, 5619-5628.	3.2	7

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19	Swapping the Positions in a Cross-Strand Lateral Ion-Pairing Interaction between Ammonium- and Carboxylate-Containing Residues in a $\hat{I}^2$ -Hairpin. <i>Molecules</i> , 2021, 26, 1346.	3.8	7
20	Effect of side chain length on intrahelical interactions between carboxylate- and guanidinium-containing amino acids. <i>Amino Acids</i> , 2014, 46, 1867-1883.	2.7	5
21	Effect of arginine methylation on the RNA recognition and cellular uptake of Tat-derived peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2281-2286.	3.0	5
22	Attenuating HIV Tat/TAR-mediated protein expression by exploring the side chain length of positively charged residues. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11096-11104.	2.8	4
23	Using Slippage to Construct a Prototypical Molecular "Lock & Lock" Box. <i>Organic Letters</i> , 2021, 23, 5787-5792.	4.6	4
24	Insertion of Pro-Hyp-Gly provides 2 kcal mol <sup>-1</sup> stability but attenuates the specific assembly of ABC heterotrimeric collagen triple helices. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1860-1866.	2.8	4
25	Structural impact of thioamide incorporation into a $\hat{I}^2$ -hairpin. <i>RSC Chemical Biology</i> , 2022, 3, 582-591.	4.1	4
26	Effects of Arginine Deimination and Citrulline Side-Chain Length on Peptide Secondary Structure Formation. <i>ChemBioChem</i> , 2019, 20, 2118-2124.	2.6	3
27	Longer charged amino acids favor $\hat{I}^2$ -strand formation in hairpin peptides. <i>Journal of Peptide Science</i> , 2021, 27, e3333.	1.4	3
28	Effect of lysine methylation and acetylation on the RNA recognition and cellular uptake of Tat-derived peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5047-5051.	3.0	1
29	The Effects of Charged Amino Acid Side-Chain Length on Diagonal Cross-Strand Interactions between Carboxylate- and Ammonium-Containing Residues in a $\hat{I}^2$ -Hairpin. <i>Molecules</i> , 2022, 27, 4172.	3.8	1