

Robert W Newberry

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,409
citations

643344

15
h-index

993246

17
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19
docs citations

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times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Spiers Memorial Lecture: Analysis and <i>de novo</i> design of membrane-interactive peptides. <i>Faraday Discussions</i> , 2021, 232, 9-48.	1.6	3
2	Robust Sequence Determinants of α -Synuclein Toxicity in Yeast Implicate Membrane Binding. <i>ACS Chemical Biology</i> , 2020, 15, 2137-2153.	1.6	9
3	Deep mutational scanning reveals the structural basis for α -synuclein activity. <i>Nature Chemical Biology</i> , 2020, 16, 653-659.	3.9	67
4	Secondary Forces in Protein Folding. <i>ACS Chemical Biology</i> , 2019, 14, 1677-1686.	1.6	115
5	The <i>n</i> - π^* Interaction. <i>Accounts of Chemical Research</i> , 2017, 50, 1838-1846.	7.6	340
6	$n\pi^*$ Interactions Are Competitive with Hydrogen Bonds. <i>Organic Letters</i> , 2016, 18, 3614-3617.	2.4	37
7	A prevalent intraresidue hydrogen bond stabilizes proteins. <i>Nature Chemical Biology</i> , 2016, 12, 1084-1088.	3.9	91
8	4-Fluoroprolines: Conformational Analysis and Effects on the Stability and Folding of Peptides and Proteins. <i>Topics in Heterocyclic Chemistry</i> , 2016, 48, 1-25.	0.2	40
9	Thioamides in the collagen triple helix. <i>Chemical Communications</i> , 2015, 51, 9624-9627.	2.2	66
10	The Main-Chain Oxygen: Unappreciated Effects on Peptide and Protein Structure. , 2015, , .		0
11	Signatures of <i>n</i> - π^* interactions in proteins. <i>Protein Science</i> , 2014, 23, 284-288.	3.1	82
12	A Key <i>n</i> - π^* Interaction in <i>N</i> -Acyl Homoserine Lactones. <i>ACS Chemical Biology</i> , 2014, 9, 880-883.	1.6	58
13	<i>n</i> - π^* Interactions Engender Chirality in Carbonyl Groups. <i>Organic Letters</i> , 2014, 16, 3421-3423.	2.4	44
14	Interplay of Hydrogen Bonds and <i>n</i> - π^* Interactions in Proteins. <i>Journal of the American Chemical Society</i> , 2013, 135, 18682-18688.	6.6	121
15	$n\pi^*$ interactions in poly(lactic acid) suggest a role in protein folding. <i>Chemical Communications</i> , 2013, 49, 7699.	2.2	57
16	<i>n</i> - π^* Interactions of Amides and Thioamides: Implications for Protein Stability. <i>Journal of the American Chemical Society</i> , 2013, 135, 7843-7846.	6.6	175
17	Role of Electrostatics in Differential Binding of RaGDS to Rap Mutations E30D and K31E Investigated by Vibrational Spectroscopy of Thiocyanate Probes. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9326-9336.	1.2	18
18	Discrimination of flavonoids and red wine varietals by arrays of differential peptidic sensors. <i>Chemical Science</i> , 2011, 2, 439-445.	3.7	86