

# Robert W Newberry

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3362927/publications.pdf>

Version: 2024-02-01

18  
papers

1,409  
citations

567281

15  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1671  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | The $\pi$ - $\pi$ Interaction. <i>Accounts of Chemical Research</i> , 2017, 50, 1838-1846.   | 15.6 | 340       |
| 2  | $\pi$ - $\pi$ Interactions of Amides and Thioamides: Implications for Protein Stability. <i>Journal of the American Chemical Society</i> , 2013, 135, 7843-7846.   | 13.7 | 175       |
| 3  | Interplay of Hydrogen Bonds and $\pi$ - $\pi$ Interactions in Proteins. <i>Journal of the American Chemical Society</i> , 2013, 135, 18682-18688.  | 13.7 | 121       |
| 4  | Secondary Forces in Protein Folding. <i>ACS Chemical Biology</i> , 2019, 14, 1677-1686.  | 3.4  | 115       |
| 5  | A prevalent intraresidue hydrogen bond stabilizes proteins. <i>Nature Chemical Biology</i> , 2016, 12, 1084-1088.  | 8.0  | 91        |
| 6  | Discrimination of flavonoids and red wine varietals by arrays of differential peptidic sensors. <i>Chemical Science</i> , 2011, 2, 439-445.  | 7.4  | 86        |
| 7  | Signatures of $\pi$ - $\pi$ interactions in proteins. <i>Protein Science</i> , 2014, 23, 284-288.  | 7.6  | 82        |
| 8  | Deep mutational scanning reveals the structural basis for $\alpha$ -synuclein activity. <i>Nature Chemical Biology</i> , 2020, 16, 653-659.  | 8.0  | 67        |
| 9  | Thioamides in the collagen triple helix. <i>Chemical Communications</i> , 2015, 51, 9624-9627.   | 4.1  | 66        |
| 10 | A Key $\pi$ - $\pi$ Interaction in $\alpha$ -Acyl Homoserine Lactones. <i>ACS Chemical Biology</i> , 2014, 9, 880-883.   | 3.4  | 58        |
| 11 | $\pi$ - $\pi$ interactions in poly(lactic acid) suggest a role in protein folding. <i>Chemical Communications</i> , 2013, 49, 7699.  | 4.1  | 57        |
| 12 | $\pi$ - $\pi$ Interactions Engender Chirality in Carbonyl Groups. <i>Organic Letters</i> , 2014, 16, 3421-3423.  | 4.6  | 44        |
| 13 | 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        |
| 14 | $\pi$ - $\pi$ Interactions Are Competitive with Hydrogen Bonds. <i>Organic Letters</i> , 2016, 18, 3614-3617.  | 4.6  | 37        |
| 15 | Role of Electrostatics in Differential Binding of RalGDS to Rap Mutations E30D and K31E Investigated by Vibrational Spectroscopy of Thiocyanate Probes. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9326-9336. | 2.6  | 18        |
| 16 | Robust Sequence Determinants of $\alpha$ -Synuclein Toxicity in Yeast Implicate Membrane Binding. <i>ACS Chemical Biology</i> , 2020, 15, 2137-2153.   | 3.4  | 9         |
| 17 | Spiers Memorial Lecture: Analysis and <i>de novo</i> design of membrane-interactive peptides. <i>Faraday Discussions</i> , 2021, 232, 9-48.  | 3.2  | 3         |
| 18 | The Main-Chain Oxygen: Unappreciated Effects on Peptide and Protein Structure. , 2015, , .   |      | 0         |