

# Daniel P Dowling

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3609964/publications.pdf>

Version: 2024-02-01

12  
papers

336  
citations

1307594

7  
h-index

1372567

10  
g-index

15  
all docs

15  
docs citations

15  
times ranked

452  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Structural diversity in the AdoMet radical enzyme superfamily. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1178-1195.  | 2.3  | 76        |
| 2  | Radical SAM enzyme QueE defines a new minimal core fold and metal-dependent mechanism. <i>Nature Chemical Biology</i> , 2014, 10, 106-112.  | 8.0  | 71        |
| 3  | Structural elements of an NRPS cyclization domain and its intermodule docking domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12432-12437.                                  | 7.1  | 65        |
| 4  | Radical Use of Rossmann and TIM Barrel Architectures for Controlling Coenzyme B <sub>12</sub> Chemistry. <i>Annual Review of Biophysics</i> , 2012, 41, 403-427.  | 10.0 | 53        |
| 5  | Molecular basis of cobalamin-dependent RNA modification. <i>Nucleic Acids Research</i> , 2016, 44, gkw806.  | 14.5 | 29        |
| 6  | Pathways of thymidine hypermodification. <i>Nucleic Acids Research</i> , 2022, 50, 3001-3017.   | 14.5 | 12        |
| 7  | Crystal structure of AdoMet radical enzyme 7-carboxy-7-deazaguanine synthase from <i>Escherichia coli</i> suggests how modifications near [4Fe-4S] cluster engender flavodoxin specificity. <i>Protein Science</i> , 2019, 28, 202-215. | 7.6  | 11        |
| 8  | Structure and function of the two-component flavin-dependent methanesulfinate monooxygenase within bacterial sulfur assimilation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 107-112.                      | 2.1  | 6         |
| 9  | Structures of the alkanesulfonate monooxygenase MsuD provide insight into C-S bond cleavage, substrate scope, and an unexpected role for the tetramer. <i>Journal of Biological Chemistry</i> , 2021, 297, 100823.                      | 3.4  | 5         |
| 10 | Global protein dynamics as communication sensors in peptide synthetase domains. <i>Science Advances</i> , 2022, 8, .  | 10.3 | 5         |
| 11 | Investigation of the Radical SAM Enzyme CDG Synthase. <i>FASEB Journal</i> , 2015, 29, 572.12.  | 0.5  | 0         |
| 12 | B <sub>12</sub> in a New Light: Queuosine tRNA Modification. <i>FASEB Journal</i> , 2015, 29, 573.38.   | 0.5  | 0         |