

# Christopher K Prier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7613286/publications.pdf>

Version: 2024-02-01

15  
papers

9,081  
citations

759233

12  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

8782  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Visible Light Photoredox Catalysis with Transition Metal Complexes: Applications in Organic Synthesis. <i>Chemical Reviews</i> , 2013, 113, 5322-5363.  | 47.7 | 7,226     |
| 2  | Discovery of an $\alpha$ -Amino C-H Arylation Reaction Using the Strategy of Accelerated Serendipity. <i>Science</i> , 2011, 334, 1114-1117.  | 12.6 | 858       |
| 3  | Enantioselective, intermolecular benzylic C-H amination catalysed by an engineered iron-haem enzyme. <i>Nature Chemistry</i> , 2017, 9, 629-634.  | 13.6 | 319       |
| 4  | Amine $\alpha$ -heteroarylation via photoredox catalysis: a homolytic aromatic substitution pathway. <i>Chemical Science</i> , 2014, 5, 4173-4178.  | 7.4  | 156       |
| 5  | Chemomimetic Biocatalysis: Exploiting the Synthetic Potential of Cofactor-Dependent Enzymes To Create New Catalysts. <i>Journal of the American Chemical Society</i> , 2015, 137, 13992-14006.                      | 13.7 | 125       |
| 6  | Stereoselective Enzymatic Synthesis of Heteroatom-Substituted Cyclopropanes. <i>ACS Catalysis</i> , 2018, 8, 2629-2634.   | 11.2 | 96        |
| 7  | Enantioselective Aminohydroxylation of Styrenyl Olefins Catalyzed by an Engineered Hemoprotein. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3138-3142.   | 13.8 | 94        |
| 8  | Asymmetric Enzymatic Synthesis of Allylic Amines: A Sigmatropic Rearrangement Strategy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4711-4715.   | 13.8 | 70        |
| 9  | Recent preparative applications of redox enzymes. <i>Current Opinion in Chemical Biology</i> , 2019, 49, 105-112.   | 6.1  | 43        |
| 10 | Expanding the scope of the Cu assisted Suzuki-Miyaura reaction. <i>Tetrahedron Letters</i> , 2011, 52, 5055-5059.   | 1.4  | 24        |
| 11 | Asymmetric Enzymatic Synthesis of Allylic Amines: A Sigmatropic Rearrangement Strategy. <i>Angewandte Chemie</i> , 2016, 128, 4789-4793.  | 2.0  | 23        |
| 12 | Enantioselective Aminohydroxylation of Styrenyl Olefins Catalyzed by an Engineered Hemoprotein. <i>Angewandte Chemie</i> , 2019, 131, 3170-3174.  | 2.0  | 22        |
| 13 | Facile Ring-Opening of Azabicyclic [3.1.0]- and [4.1.0]Aminocyclopropanes to Afford 3-Piperidinone and 3-Azepinone. <i>Organic Letters</i> , 2011, 13, 1083-1085.   | 4.6  | 11        |
| 14 | Stereodivergent Synthesis of $\alpha$ -Hydroxyprolines and $\alpha$ -Hydroxypipercolic Acids via Ketoreductase-Catalyzed Dynamic Kinetic Reduction. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5140-5143. | 4.3  | 10        |
| 15 | Enzymes for amino acid synthesis by design. <i>Nature Catalysis</i> , 2021, 4, 348-349.   | 34.4 | 4         |