

# Sabrina Kille

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4653185/publications.pdf>

Version: 2024-02-01

13  
papers

1,357  
citations

840776

11  
h-index

1058476

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regio- and stereoselectivity of P450-catalysed hydroxylation of steroids controlled by laboratory evolution. <i>Nature Chemistry</i> , 2011, 3, 738-743.	13.6	347
2	Reducing Codon Redundancy and Screening Effort of Combinatorial Protein Libraries Created by Saturation Mutagenesis. <i>ACS Synthetic Biology</i> , 2013, 2, 83-92.	3.8	246
3	Directed Evolution of an Enantioselective Enoate Reductase: Testing the Utility of Iterative Saturation Mutagenesis. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 3287-3305.	4.3	165
4	Improved PCR method for the creation of saturation mutagenesis libraries in directed evolution: application to difficult-to-amplify templates. <i>Applied Microbiology and Biotechnology</i> , 2008, 81, 387-397.	3.6	130
5	P450-Catalyzed Regio- and Diastereoselective Steroid Hydroxylation: Efficient Directed Evolution Enabled by Mutability Landscaping. <i>ACS Catalysis</i> , 2018, 8, 3395-3410.	11.2	128
6	Iterative Saturation Mutagenesis: A Powerful Approach to Engineer Proteins by Systematically Simulating Darwinian Evolution. <i>Methods in Molecular Biology</i> , 2014, 1179, 103-128.	0.9	89
7	Pervasive cooperative mutational effects on multiple catalytic enzyme traits emerge via long-range conformational dynamics. <i>Nature Communications</i> , 2021, 12, 1621.	12.8	72
8	Speeding up Directed Evolution: Combining the Advantages of Solid-Phase Combinatorial Gene Synthesis with Statistically Guided Reduction of Screening Effort. <i>ACS Synthetic Biology</i> , 2015, 4, 317-331.	3.8	46
9	Bioorthogonal Enzymatic Activation of Caged Compounds. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13440-13443.	13.8	41
10	Directed Evolution of an Fe <sup>II</sup> -Dependent Halogenase for Asymmetric C(sp <sup>3</sup> )-H Chlorination. <i>ACS Catalysis</i> , 2020, 10, 1272-1277.	11.2	38
11	Revealing Additional Stereocomplementary Pairs of Old Yellow Enzymes by Rational Transfer of Engineered Residues. <i>ChemBioChem</i> , 2017, 18, 685-691.	2.6	26
12	A robust and stereocomplementary panel of ene-reductase variants for gram-scale asymmetric hydrogenation. <i>Molecular Catalysis</i> , 2021, 502, 111404.	2.0	14
13	Laboratory-Scale Hydroxylation of Steroids by P450BM3 Variants. <i>Methods in Molecular Biology</i> , 2017, 1645, 239-257.	0.9	5