

Sarah A Shepherd

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9601652/publications.pdf>

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14
papers

853
citations

759233

12
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Halogenase Enzymes for Use in Synthesis. <i>Chemical Reviews</i> , 2018, 118, 232-269.	47.7	230
2	Integrated catalysis opens new arylation pathways via regiodivergent enzymatic C-H activation. <i>Nature Communications</i> , 2016, 7, 11873.	12.8	126
3	Extending the biocatalytic scope of regiocomplementary flavin-dependent halogenase enzymes. <i>Chemical Science</i> , 2015, 6, 3454-3460.	7.4	89
4	A Structure-Guided Switch in the Regioselectivity of a Tryptophan Halogenase. <i>ChemBioChem</i> , 2016, 17, 821-824.	2.6	71
5	Structure and biocatalytic scope of thermophilic flavin-dependent halogenase and flavin reductase enzymes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9354-9361.	2.8	55
6	RadH: A Versatile Halogenase for Integration into Synthetic Pathways. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11841-11845.	13.8	51
7	An Enzyme Cascade for Selective Modification of Tyrosine Residues in Structurally Diverse Peptides and Proteins. <i>Journal of the American Chemical Society</i> , 2016, 138, 3038-3045.	13.7	49
8	Engineering Orthogonal Methyltransferases to Create Alternative Bioalkylation Pathways. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14950-14956.	13.8	39
9	Structure and Biocatalytic Scope of Coclaurine N-Methyltransferase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10600-10604.	13.8	37
10	Merging enzymes with chemocatalysis for amide bond synthesis. <i>Nature Communications</i> , 2022, 13, 380.	12.8	36
11	Programmable late-stage C-H bond functionalization enabled by integration of enzymes with chemocatalysis. <i>Nature Catalysis</i> , 2021, 4, 385-394.	34.4	35
12	Engineering Orthogonal Methyltransferases to Create Alternative Bioalkylation Pathways. <i>Angewandte Chemie</i> , 2020, 132, 15060-15066.	2.0	21
13	RadH: A Versatile Halogenase for Integration into Synthetic Pathways. <i>Angewandte Chemie</i> , 2017, 129, 12003-12007.	2.0	8
14	Structure and Biocatalytic Scope of Coclaurine N-Methyltransferase. <i>Angewandte Chemie</i> , 2018, 130, 10760-10764.	2.0	6