

Antony J Burton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3515974/publications.pdf>

Version: 2024-02-01

13
papers

1,023
citations

933447

10
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

1434
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational design of water-soluble α -helical barrels. <i>Science</i> , 2014, 346, 485-488.	12.6	306
2	Installing hydrolytic activity into a completely de novo protein framework. <i>Nature Chemistry</i> , 2016, 8, 837-844.	13.6	172
3	De novo protein design: how do we expand into the universe of possible protein structures?. <i>Current Opinion in Structural Biology</i> , 2015, 33, 16-26.	5.7	150
4	A Set of <i>de Novo</i> Designed Parallel Heterodimeric Coiled Coils with Quantified Dissociation Constants in the Micromolar to Sub-nanomolar Regime. <i>Journal of the American Chemical Society</i> , 2013, 135, 5161-5166.	13.7	148
5	<i>de Novo</i> -Designed α -Helical Barrels as Receptors for Small Molecules. <i>ACS Synthetic Biology</i> , 2018, 7, 1808-1816.	3.8	60
6	In situ chromatin interactomics using a chemical bait and trap approach. <i>Nature Chemistry</i> , 2020, 12, 520-527.	13.6	53
7	Navigating the Structural Landscape of De Novo α -Helical Bundles. <i>Journal of the American Chemical Society</i> , 2019, 141, 8787-8797.	13.7	42
8	Accessibility, Reactivity, and Selectivity of Side Chains within a Channel of <i>de Novo</i> Peptide Assembly. <i>Journal of the American Chemical Society</i> , 2013, 135, 12524-12527.	13.7	30
9	Live-cell protein engineering with an ultra-short split intein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12041-12049.	7.1	29
10	Proximity Induced Splicing Utilizing Caged Split Inteins. <i>Journal of the American Chemical Society</i> , 2019, 141, 13708-13712.	13.7	16
11	Engineering of a Peptide α -Methyltransferase to Methylate Non-Proteinogenic Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14319-14323.	13.8	10
12	Chemical biology approaches to study histone interactors. <i>Biochemical Society Transactions</i> , 2021, 49, 2431-2441.	3.4	2
13	Engineering of a Peptide α -Methyltransferase to Methylate Non-Proteinogenic Amino Acids. <i>Angewandte Chemie</i> , 2021, 133, 14440-14444.	2.0	0