

Florian Richter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10676480/publications.pdf>

Version: 2024-02-01

18
papers

4,715
citations

566801

15
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

7808
citing authors

#	ARTICLE	IF	CITATIONS
1	Rosetta3. <i>Methods in Enzymology</i> , 2011, 487, 545-574.	0.4	1,620
2	Quantitative reactivity profiling predicts functional cysteines in proteomes. <i>Nature</i> , 2010, 468, 790-795.	13.7	1,359
3	RosettaScripts: A Scripting Language Interface to the Rosetta Macromolecular Modeling Suite. <i>PLoS ONE</i> , 2011, 6, e20161.	1.1	506
4	RosettaRemodel: A Generalized Framework for Flexible Backbone Protein Design. <i>PLoS ONE</i> , 2011, 6, e24109.	1.1	310
5	De Novo Enzyme Design Using Rosetta3. <i>PLoS ONE</i> , 2011, 6, e19230.	1.1	274
6	Computational Design of Catalytic Dyads and Oxyanion Holes for Ester Hydrolysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 16197-16206.	6.6	138
7	Engineering of temperature- and light-switchable Cas9 variants. <i>Nucleic Acids Research</i> , 2013, 44, 10003-10014.	6.5	95
8	Design of activated serine-containing catalytic triads with atomic-level accuracy. <i>Nature Chemical Biology</i> , 2014, 10, 386-391.	3.9	68
9	Photoactivatable Mussel-Based Underwater Adhesive Proteins by an Expanded Genetic Code. <i>ChemBioChem</i> , 2017, 18, 1819-1823.	1.3	67
10	Computational design of a red fluorophore ligase for site-specific protein labeling in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4551-9.	3.3	62
11	Library-Aided Probing of Linker Determinants in Hybrid Photoreceptors. <i>ACS Synthetic Biology</i> , 2016, 5, 1117-1126.	1.9	42
12	Switchable Cas9. <i>Current Opinion in Biotechnology</i> , 2017, 48, 119-126.	3.3	38
13	Upgrading a microplate reader for photobiology and all-optical experiments. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 270-279.	1.6	32
14	Optogenetic Control by Pulsed Illumination. <i>ChemBioChem</i> , 2018, 19, 1296-1304.	1.3	31
15	Computational Aminoacyl-tRNA Synthetase Library Design for Photocaged Tyrosine. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2343.	1.8	31
16	A Light-Oxygen-Voltage Receptor Integrates Light and Temperature. <i>Journal of Molecular Biology</i> , 2021, 433, 167107.	2.0	20
17	Light-Induced Rearrangement of the $\hat{2}5$ Strand in the BLUF Photoreceptor SyPixD (Slr1694). <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4749-4753.	2.1	17
18	Computational Protein Design for Synthetic Biology. , 2013, , 101-122.		5