

Florian Richter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

3,480
citations

15
h-index

18
g-index

18
ext. papers

4,198
ext. citations

9.7
avg, IF

4.38
L-index

#	Paper	IF	Citations
18	ROSETTA3: an object-oriented software suite for the simulation and design of macromolecules. <i>Methods in Enzymology</i> , 2011 , 487, 545-74	1.7	1216
17	Quantitative reactivity profiling predicts functional cysteines in proteomes. <i>Nature</i> , 2010 , 468, 790-5	50.4	1056
16	RosettaScripts: a scripting language interface to the Rosetta macromolecular modeling suite. <i>PLoS ONE</i> , 2011 , 6, e20161	3.7	311
15	De novo enzyme design using Rosetta3. <i>PLoS ONE</i> , 2011 , 6, e19230	3.7	224
14	RosettaRemodel: a generalized framework for flexible backbone protein design. <i>PLoS ONE</i> , 2011 , 6, e24169	3.7	200
13	Computational design of catalytic dyads and oxyanion holes for ester hydrolysis. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16197-206	16.4	114
12	Engineering of temperature- and light-switchable Cas9 variants. <i>Nucleic Acids Research</i> , 2016 , 44, 10003-10014	14.70	
11	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	11.5	57
10	Design of activated serine-containing catalytic triads with atomic-level accuracy. <i>Nature Chemical Biology</i> , 2014 , 10, 386-91	11.7	52
9	Photoactivatable Mussel-Based Underwater Adhesive Proteins by an Expanded Genetic Code. <i>ChemBioChem</i> , 2017 , 18, 1819-1823	3.8	39
8	Switchable Cas9. <i>Current Opinion in Biotechnology</i> , 2017 , 48, 119-126	11.4	32
7	Library-Aided Probing of Linker Determinants in Hybrid Photoreceptors. <i>ACS Synthetic Biology</i> , 2016 , 5, 1117-1126	5.7	32
6	Upgrading a microplate reader for photobiology and all-optical experiments. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 270-9	4.2	27
5	Computational Aminoacyl-tRNA Synthetase Library Design for Photocaged Tyrosine. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
4	Optogenetic Control by Pulsed Illumination. <i>ChemBioChem</i> , 2018 , 19, 1296-1304	3.8	15
3	Light-Induced Rearrangement of the β Strand in the BLUF Photoreceptor SyPixD (Slr1694). <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4749-53	6.4	11
2	A Light-Oxygen-Voltage Receptor Integrates Light and Temperature. <i>Journal of Molecular Biology</i> , 2021 , 433, 167107	6.5	5

1 Computational Protein Design for Synthetic Biology **2013**, 101-122

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