Florian Richter

List of Publications by Year
in descending order

18 papers	4,715 citations	567281 15 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	7808 citing authors

#	Article	IF	Citations
1	A Light-Oxygen-Voltage Receptor Integrates Light and Temperature. Journal of Molecular Biology, 2021, 433, 167107.	4.2	20
2	Computational Aminoacyl-tRNA Synthetase Library Design for Photocaged Tyrosine. International Journal of Molecular Sciences, 2019, 20, 2343.	4.1	31
3	Optogenetic Control by Pulsed Illumination. ChemBioChem, 2018, 19, 1296-1304.	2.6	31
4	Switchable Cas9. Current Opinion in Biotechnology, 2017, 48, 119-126.	6.6	38
5	Photoactivatable Mussel–Based Underwater Adhesive Proteins by an Expanded Genetic Code. ChemBioChem, 2017, 18, 1819-1823.	2.6	67
6	Library-Aided Probing of Linker Determinants in Hybrid Photoreceptors. ACS Synthetic Biology, 2016, 5, 1117-1126.	3.8	42
7	Light-Induced Rearrangement of the β5 Strand in the BLUF Photoreceptor SyPixD (Slr1694). Journal of Physical Chemistry Letters, 2015, 6, 4749-4753.	4.6	17
8	Upgrading a microplate reader for photobiology and all-optical experiments. Photochemical and Photobiological Sciences, 2015, 14, 270-279.	2.9	32
9	Computational design of a red fluorophore ligase for site-specific protein labeling in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4551-9.	7.1	62
10	Design of activated serine–containing catalytic triads with atomic-level accuracy. Nature Chemical Biology, 2014, 10, 386-391.	8.0	68
11	Computational Protein Design for Synthetic Biology. , 2013, , 101-122.		5
12	Engineering of temperature- and light-switchable Cas9 variants. Nucleic Acids Research, 2013, 44, 10003-10014.	14.5	95
13	Computational Design of Catalytic Dyads and Oxyanion Holes for Ester Hydrolysis. Journal of the American Chemical Society, 2012, 134, 16197-16206.	13.7	138
14	Rosetta3. Methods in Enzymology, 2011, 487, 545-574.	1.0	1,620
15	De Novo Enzyme Design Using Rosetta3. PLoS ONE, 2011, 6, e19230.	2.5	274
16	RosettaScripts: A Scripting Language Interface to the Rosetta Macromolecular Modeling Suite. PLoS ONE, 2011, 6, e20161.	2.5	506
17	RosettaRemodel: A Generalized Framework for Flexible Backbone Protein Design. PLoS ONE, 2011, 6, e24109.	2.5	310
18	Quantitative reactivity profiling predicts functional cysteines in proteomes. Nature, 2010, 468, 790-795.	27.8	1,359