Simon Arragain

List of Publications by Year
in descending order

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15 papers	629 citations	759233 12 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	825 citing authors

#	Article	IF	Citations
1	Two Fe-S clusters catalyze sulfur insertion by radical-SAM methylthiotransferases. Nature Chemical Biology, 2013, 9, 333-338.	8.0	113
2	Identification of Eukaryotic and Prokaryotic Methylthiotransferase for Biosynthesis of 2-Methylthio-N6-threonylcarbamoyladenosine in tRNA. Journal of Biological Chemistry, 2010, 285, 28425-28433.	3.4	111
3	Post-translational Modification of Ribosomal Proteins. Journal of Biological Chemistry, 2010, 285, 5792-5801.	3.4	59
4	Pyrenoid functions revealed by proteomics in Chlamydomonas reinhardtii. PLoS ONE, 2018, 13, e0185039.	2.5	59
5	S-Adenosylmethionine-dependent radical-based modification of biological macromolecules. Current Opinion in Structural Biology, 2010, 20, 684-692.	5.7	52
6	Arabidopsis thaliana DGAT3 is a [2Fe-2S] protein involved in TAG biosynthesis. Scientific Reports, 2018, 8, 17254.	3.3	46
7	Nonredox thiolation in tRNA occurring via sulfur activation by a [4Fe-4S] cluster. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7355-7360.	7.1	44
8	Electron Paramagnetic Resonance Characterization of Three Ironâ€“Sulfur Clusters Present in the Nitrogenase Cofactor Maturase NifB from Methanocaldococcus infernus. Journal of the American Chemical Society, 2016, 138, 7468-7471.	13.7	36
9	On the Role of Additional [4Fe-4S] Clusters with a Free Coordination Site in Radical-SAM Enzymes. Frontiers in Chemistry, 2017, 5, 17.	3.6	31
10	The methylthiolation reaction mediated by the Radical-SAM enzymes. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1223-1230.	2.3	27
11	Structure-based mechanistic insights into catalysis by tRNA thiolation enzymes. Current Opinion in Structural Biology, 2020, 65, 69-78.	5.7	21
12	Diversity and Functional Analysis of the FeMo-Cofactor Maturase NifB. Frontiers in Plant Science, 2017, 8, 1947.	3.6	17
13	Expression and Purification of NifB Proteins from Aerobic and Anaerobic Sources. Methods in Molecular Biology, 2014, 1122, 19-31.	0.9	7
14	Vibrational Perturbation of the [FeFe] Hydrogenase H-Cluster Revealed by ¹³C²H-ADT Labeling. Journal of the American Chemical Society, 2021, 143, 8237-8243.	13.7	4
15	Purification of O2-Sensitive Metalloproteins. Methods in Molecular Biology, 2014, 1122, 5-18.	0.9	2