RÃ©mi G Zallot

List of Publications by Year
in descending order

23 papers	2,637 citations	361413 20 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	4048 citing authors

#	Article	IF	Citations
1	Acyl-Lipid Metabolism. The Arabidopsis Book, 2013, 11, e0161.	0.5	974
2	The EFI Web Resource for Genomic Enzymology Tools: Leveraging Protein, Genome, and Metagenome Databases to Discover Novel Enzymes and Metabolic Pathways. Biochemistry, 2019, 58, 4169-4182.	2.5	441
3	Acyl-Lipid Metabolism. The Arabidopsis Book, 2010, 8, e0133.	0.5	287
4	Polyphosphoinositides Are Enriched in Plant Membrane Rafts and Form Microdomains in the Plasma Membrane. Plant Physiology, 2010, 152, 2173-2187.	4.8	115
5	â€˜Democratizedâ€™ genomic enzymology web tools for functional assignment. Current Opinion in Chemical Biology, 2018, 47, 77-85.	6.1	112
6	Gene Graphics: a genomic neighborhood data visualization web application. Bioinformatics, 2018, 34, 1406-1408.	4.1	82
7	Functional Diversity of Haloacid Dehalogenase Superfamily Phosphatases from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2015, 290, 18678-18698.	3.4	70
8	High-throughput comparison, functional annotation, and metabolic modeling of plant genomes using the PlantSEED resource. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9645-9650.	7.1	69
9	Plant, Animal, and Fungal Micronutrient Queuosine Is Salvaged by Members of the DUF2419 Protein Family. ACS Chemical Biology, 2014, 9, 1812-1825.	3.4	48
10	A family of metal-dependent phosphatases implicated in metabolite damage-control. Nature Chemical Biology, 2016, 12, 621-627.	8.0	48
11	The Escherichia coli COG1738 Member YhhQ Is Involved in 7-Cyanodeazaguanine (preQ0) Transport. Biomolecules, 2017, 7, 12.	4.0	48
12	Functional Annotations of Paralogs: A Blessing and a Curse. Life, 2016, 6, 39.	2.4	45
13	Arabidopsis TH2 Encodes the Orphan Enzyme Thiamin Monophosphate Phosphatase. Plant Cell, 2016, 28, 2683-2696.	6.6	42
14	Identification of a Novel Epoxyqueuosine Reductase Family by Comparative Genomics. ACS Chemical Biology, 2017, 12, 844-851.	3.4	40
15	Discovery of novel bacterial queuine salvage enzymes and pathways in human pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19126-19135.	7.1	36
16	Discovery of new enzymatic functions and metabolic pathways using genomic enzymology web tools. Current Opinion in Biotechnology, 2021, 69, 77-90.	6.6	35
17	Identification of Mitochondrial Coenzyme A Transporters from Maize and Arabidopsis Â Â. Plant Physiology, 2013, 162, 581-588.	4.8	31
18	Functional assignment of multiple catabolic pathways for d-apiose. Nature Chemical Biology, 2018, 14, 696-705.	8.0	26

#	Article	IF	Citations
19	Identification of the thiamin salvage enzyme thiazole kinase in Arabidopsis and maize. Phytochemistry, 2013, 94, 68-73.	2.9	24
20	Salvage of the thiamin pyrimidine moiety by plant TenA proteins lacking an active-site cysteine. Biochemical Journal, 2014, 463, 145-155.	3.7	22
21	Bacterial and plant HAD enzymes catalyse a missing phosphatase step in thiamin diphosphate biosynthesis. Biochemical Journal, 2016, 473, 157-166.	3.7	22
22	Systematic identification and analysis of frequent gene fusion events in metabolic pathways. BMC Genomics, 2016, 17, 473.	2.8	13
23	Epoxyqueuosine Reductase QueH in the Biosynthetic Pathway to tRNA Queuosine Is a Unique Metalloenzyme. Biochemistry, 2021, 60, 3152-3161.	2.5	7