Manal A Swarjo

List of Publications by Year
in descending order

17	453	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From cyclohydrolase to oxidoreductase: Discovery of nitrile reductase activity in a common fold. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4264-4269.	7.1	100
2	Zinc-Independent Folate Biosynthesis: Genetic, Biochemical, and Structural Investigations Reveal New Metal Dependence for GTP Cyclohydrolase IB. Journal of Bacteriology, 2009, 191, 6936-6949.	2.2	61
3	Diversity of Archaeosine Synthesis in Crenarchaeota. ACS Chemical Biology, 2012, 7, 300-305.	3.4	41
4	Deazaguanine derivatives, examples of crosstalk between RNA and DNA modification pathways. RNA Biology, 2017, 14, 1175-1184.	3.1	37
5	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
6	Discovery and Characterization of an Amidinotransferase Involved in the Modification of Archaeal tRNA. Journal of Biological Chemistry, 2010, 285, 12706-12713.	3.4	35
7	Structural Basis of Biological Nitrile Reduction. Journal of Biological Chemistry, 2012, 287, 30560-30570.	3.4	27
8	Structure and mechanism of a bacterial t6A biosynthesis system. Nucleic Acids Research, 2018, 46, 1395-1411.	14.5	25
9	Detection of preQ0 deazaguanine modifications in bacteriophage CAjan DNA using Nanopore sequencing reveals same hypermodification at two distinct DNA motifs. Nucleic Acids Research, 2020, 48, 10383-10396.	14.5	22
10	Conformational communication mediates the reset step in t6A biosynthesis. Nucleic Acids Research, 2019, 47, 6551-6567.	14.5	21
11	Specificity in the biosynthesis of the universal tRNA nucleoside N⁶-threonylcarbamoyl adenosine (t⁶A)â€”TsaD is the gatekeeper. Rna, 2020, 26, 1094-1103.	3.5	14
12	Mechanism and catalytic strategy of the prokaryotic-specific GTP cyclohydrolase-IB. Biochemical Journal, 2017, 474, 1017-1039.	3.7	11
13	Inhibitor potency varies widely among tumor-relevant human isocitrate dehydrogenase 1 mutants. Biochemical Journal, 2018, 475, 3221-3238.	3.7	10
14	Protection of the Queuosine Biosynthesis Enzyme QueF from Irreversible Oxidation by a Conserved Intramolecular Disulfide. Biomolecules, 2017, 7, 30.	4.0	7
15	Crystal structure of the archaeosine synthase QueFâ€likeâ€”Insights into amidino transfer and tRNA recognition by the tunnel fold. Proteins: Structure, Function and Bioinformatics, 2017, 85, 103-116.	2.6	6
16	Structure-based design of guanosine analogue inhibitors targeting GTP cyclohydrolase IB towards a new class of antibiotics. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126818.	2.2	0
17	Protection of the Queuosine Biosynthesis Enzyme QueF from Irreversible Oxidation by a Conserved Intramolecular Disulfide. FASEB Journal, 2018, 32, 526.30.	0.5	0