

# Manal A Swarjo

## List of Publications by Year in descending order

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17  
papers

453  
citations

840776

11  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure-based design of guanosine analogue inhibitors targeting GTP cyclohydrolase IB towards a new class of antibiotics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126818.	2.2	0
2	Detection of preQ0 deazaguanine modifications in bacteriophage CAjan DNA using Nanopore sequencing reveals same hypermodification at two distinct DNA motifs. <i>Nucleic Acids Research</i> , 2020, 48, 10383-10396.	14.5	22
3	Specificity in the biosynthesis of the universal tRNA nucleoside $\epsilon$ -threonylcarbamoyl adenosine ( $\epsilon$ -TsaD) is the gatekeeper. <i>Rna</i> , 2020, 26, 1094-1103.	3.5	14
4	Conformational communication mediates the reset step in t6A biosynthesis. <i>Nucleic Acids Research</i> , 2019, 47, 6551-6567.	14.5	21
5	Discovery of novel bacterial queuine salvage enzymes and pathways in human pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19126-19135.	7.1	36
6	Structure and mechanism of a bacterial t6A biosynthesis system. <i>Nucleic Acids Research</i> , 2018, 46, 1395-1411.	14.5	25
7	Inhibitor potency varies widely among tumor-relevant human isocitrate dehydrogenase 1 mutants. <i>Biochemical Journal</i> , 2018, 475, 3221-3238.	3.7	10
8	Protection of the Queuosine Biosynthesis Enzyme QueF from Irreversible Oxidation by a Conserved Intramolecular Disulfide. <i>FASEB Journal</i> , 2018, 32, 526.30.	0.5	0
9	Mechanism and catalytic strategy of the prokaryotic-specific GTP cyclohydrolase-IB. <i>Biochemical Journal</i> , 2017, 474, 1017-1039.	3.7	11
10	Deazaguanine derivatives, examples of crosstalk between RNA and DNA modification pathways. <i>RNA Biology</i> , 2017, 14, 1175-1184.	3.1	37
11	Crystal structure of the archaeosine synthase QueF: Insights into amidino transfer and tRNA recognition by the tunnel fold. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 103-116.	2.6	6
12	Protection of the Queuosine Biosynthesis Enzyme QueF from Irreversible Oxidation by a Conserved Intramolecular Disulfide. <i>Biomolecules</i> , 2017, 7, 30.	4.0	7
13	Structural Basis of Biological Nitrile Reduction. <i>Journal of Biological Chemistry</i> , 2012, 287, 30560-30570.	3.4	27
14	Diversity of Archaeosine Synthesis in Crenarchaeota. <i>ACS Chemical Biology</i> , 2012, 7, 300-305.	3.4	41
15	Discovery and Characterization of an Amidinotransferase Involved in the Modification of Archaeal tRNA. <i>Journal of Biological Chemistry</i> , 2010, 285, 12706-12713.	3.4	35
16	Zinc-Independent Folate Biosynthesis: Genetic, Biochemical, and Structural Investigations Reveal New Metal Dependence for GTP Cyclohydrolase IB. <i>Journal of Bacteriology</i> , 2009, 191, 6936-6949.	2.2	61
17	From cyclohydrolase to oxidoreductase: Discovery of nitrile reductase activity in a common fold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4264-4269.	7.1	100