

# Manal A Swairjo

## List of Publications by Year in descending order

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22  
papers

934  
citations

623734

14  
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713466

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22  
docs citations

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times ranked

921  
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	Specificity in the biosynthesis of the universal tRNA nucleoside <i>N</i> <sup>6</sup> -threonylcarbamoyl adenosine (t <sup>6</sup> A) by TsaD is the gatekeeper. <i>Rna</i> , 2020, 26, 1094-1103.	3.5	14
3	Conformational communication mediates the reset step in t <sup>6</sup> A biosynthesis. <i>Nucleic Acids Research</i> , 2019, 47, 6551-6567.	14.5	21
4	Structure and mechanism of a bacterial t <sup>6</sup> A biosynthesis system. <i>Nucleic Acids Research</i> , 2018, 46, 1395-1411.	14.5	25
5	Mechanism and catalytic strategy of the prokaryotic-specific GTP cyclohydrolase-IB. <i>Biochemical Journal</i> , 2017, 474, 1017-1039.	3.7	11
6	Crystal structure of the archaeosine synthase QueF provides 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
7	Protection of the Queuosine Biosynthesis Enzyme QueF from Irreversible Oxidation by a Conserved Intramolecular Disulfide. <i>Biomolecules</i> , 2017, 7, 30.	4.0	7
8	Structural Basis of Biological Nitrile Reduction. <i>Journal of Biological Chemistry</i> , 2012, 287, 30560-30570.	3.4	27
9	Diversity of Archaeosine Synthesis in Crenarchaeota. <i>ACS Chemical Biology</i> , 2012, 7, 300-305.	3.4	41
10	Fluorescent Fatty Acid Transfer from Bovine Serum Albumin to Phospholipid Vesicles: Collision or Diffusion Mediated Uptake. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2012, 15, 420.	2.1	2
11	YrdC exhibits properties expected of a subunit for a tRNA threonylcarbamoyl transferase. <i>Rna</i> , 2011, 17, 1678-1687.	3.5	12
12	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
13	The universal YrdC/Sua5 family is required for the formation of threonylcarbamoyladenine in tRNA. <i>Nucleic Acids Research</i> , 2009, 37, 2894-2909.	14.5	150
14	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
15	Discovery of a New Prokaryotic Type I GTP Cyclohydrolase Family. <i>Journal of Biological Chemistry</i> , 2006, 281, 37586-37593.	3.4	56
16	Crystallization and preliminary X-ray characterization of the nitrile reductase QueF: a queuosine-biosynthesis enzyme. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 945-948.	0.7	20
17	Breaking sieve for steric exclusion of a noncognate amino acid from active site of a tRNA synthetase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 988-993.	7.1	37
18	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

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19	Positional Recognition of a tRNA Determinant Dependent on a Peptide Insertion. <i>Molecular Cell</i> , 2004, 13, 843-851.	9.7	10
20	Alanyl-tRNA Synthetase Crystal Structure and Design for Acceptor-Stem Recognition. <i>Molecular Cell</i> , 2004, 13, 829-841.	9.7	50
21	Annexin Structure and Membrane Interactions: A Molecular Perspective. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 1994, 23, 193-213.	18.3	203
22	Annexin V Binding to the Outer Leaflet of Small Unilamellar Vesicles Leads to Altered Inner Leaflet Properties: <sup>31</sup> P- and <sup>1</sup> H-NMR Studies. <i>Biochemistry</i> , 1994, 33, 10944-10950.	2.5	46