Manal A Swairjo

List of Publications by Year
in descending order

22	934	623734 14	713466 21
papers	citations	h-index	g-index

22	22	22	921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Annexin Structure and Membrane Interactions: A Molecular Perspective. Annual Review of Biophysics and Biomolecular Structure, 1994, 23, 193-213.	18.3	203
2	The universal YrdC/Sua5 family is required for the formation of threonylcarbamoyladenosine in tRNA. Nucleic Acids Research, 2009, 37, 2894-2909.	14.5	150
3	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
4	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
5	Discovery of a New Prokaryotic Type I GTP Cyclohydrolase Family. Journal of Biological Chemistry, 2006, 281, 37586-37593.	3.4	56
6	Alanyl-tRNA Synthetase Crystal Structure and Design for Acceptor-Stem Recognition. Molecular Cell, 2004, 13, 829-841.	9.7	50
7	Annexin V Binding to the Outer Leaflet of Small Unilamellar Vesicles Leads to Altered Inner Leaflet Properties: 31P- and 1H-NMR Studies. Biochemistry, 1994, 33, 10944-10950.	2.5	46
8	Diversity of Archaeosine Synthesis in Crenarchaeota. ACS Chemical Biology, 2012, 7, 300-305.	3.4	41
9	Breaking sieve for steric exclusion of a noncognate amino acid from active site of a tRNA synthetase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 988-993.	7.1	37
10	Discovery and Characterization of an Amidinotransferase Involved in the Modification of Archaeal tRNA. Journal of Biological Chemistry, 2010, 285, 12706-12713.	3.4	35
11	Structural Basis of Biological Nitrile Reduction. Journal of Biological Chemistry, 2012, 287, 30560-30570.	3.4	27
12	Structure and mechanism of a bacterial t6A biosynthesis system. Nucleic Acids Research, 2018, 46, 1395-1411.	14.5	25
13	Conformational communication mediates the reset step in t6A biosynthesis. Nucleic Acids Research, 2019, 47, 6551-6567.	14.5	21
14	Crystallization and preliminary X-ray characterization of the nitrile reductase QueF: a queuosine-biosynthesis enzyme. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 945-948.	0.7	20
15	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
16	YrdC exhibits properties expected of a subunit for a tRNA threonylcarbamoyl transferase. Rna, 2011, 17, 1678-1687.	3.5	12
17	Mechanism and catalytic strategy of the prokaryotic-specific GTP cyclohydrolase-IB. Biochemical Journal, 2017, 474, 1017-1039.	3.7	11
18	Positional Recognition of a tRNA Determinant Dependent on a Peptide Insertion. Molecular Cell, 2004, 13, 843-851.	9.7	10

#	Article	IF	Citations
19	Protection of the Queuosine Biosynthesis Enzyme QueF from Irreversible Oxidation by a Conserved Intramolecular Disulfide. Biomolecules, 2017, 7, 30.	4.0	7
20	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
21	Fluorescent Fatty Acid Transfer from Bovine Serum Albumin to Phospholipid Vesicles: Collision or Diffusion Mediated Uptake. Journal of Pharmacy and Pharmaceutical Sciences, 2012, 15, 420.	2.1	2
22	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