

# Anders S Byström

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

2,229  
citations

430874

18  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1621  
citing authors

#	ARTICLE	IF	CITATIONS
1	An early step in wobble uridine tRNA modification requires the Elongator complex. <i>Rna</i> , 2005, 11, 424-436.	3.5	382
2	Elevated Levels of Two tRNA Species Bypass the Requirement for Elongator Complex in Transcription and Exocytosis. <i>Molecular Cell</i> , 2006, 24, 139-148.	9.7	247
3	Eukaryotic Wobble Uridine Modifications Promote a Functionally Redundant Decoding System. <i>Molecular and Cellular Biology</i> , 2008, 28, 3301-3312.	2.3	219
4	The <i>Kluyveromyces lactis</i> $\hat{A}$ -toxin targets tRNA anticodons. <i>Rna</i> , 2005, 11, 1648-1654.	3.5	187
5	A genome-wide screen identifies genes required for formation of the wobble nucleoside 5-methoxycarbonylmethyl-2-thiouridine in <i>Saccharomyces cerevisiae</i> . <i>Rna</i> , 2008, 14, 2183-2194.	3.5	170
6	A conserved modified wobble nucleoside (mcm5s2U) in lysyl-tRNA is required for viability in yeast. <i>Rna</i> , 2007, 13, 1245-1255.	3.5	166
7	Defects in tRNA Modification Associated with Neurological and Developmental Dysfunctions in <i>Caenorhabditis elegans</i> Elongator Mutants. <i>PLoS Genetics</i> , 2009, 5, e1000561.	3.5	119
8	Elongator, a conserved complex required for wobble uridine modifications in Eukaryotes. <i>RNA Biology</i> , 2014, 11, 1519-1528.	3.1	115
9	Elongator function in tRNA wobble uridine modification is conserved between yeast and plants. <i>Molecular Microbiology</i> , 2010, 76, 1082-1094.	2.5	87
10	Elongator Complex Influences Telomeric Gene Silencing and DNA Damage Response by Its Role in Wobble Uridine tRNA Modification. <i>PLoS Genetics</i> , 2011, 7, e1002258.	3.5	87
11	Familial dysautonomia (FD) patients have reduced levels of the modified wobble nucleoside mcm5s2U in tRNA. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 441-445.	2.1	78
12	The role of wobble uridine modifications in +1 translational frameshifting in eukaryotes. <i>Nucleic Acids Research</i> , 2015, 43, 9489-9499.	14.5	67
13	Unexpected Accumulation of ncm5U and ncm5s2U in a trm9 Mutant Suggests an Additional Step in the Synthesis of mcm5U and mcm5s2U. <i>PLoS ONE</i> , 2011, 6, e20783.	2.5	66
14	Elongator subunit 3 (ELP3) modifies ALS through tRNA modification. <i>Human Molecular Genetics</i> , 2018, 27, 1276-1289.	2.9	56
15	<i>Kluyveromyces lactis</i> $\hat{A}$ -toxin, a ribonuclease that recognizes the anticodon stem loop of tRNA. <i>Nucleic Acids Research</i> , 2007, 36, 1072-1080.	14.5	49
16	Elongator is a tRNA modifying complex that promotes efficient translational decoding. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 401-408.	1.9	29
17	Meta-regulation of Arabidopsis Auxin Responses Depends on tRNA Maturation. <i>Cell Reports</i> , 2015, 11, 516-526.	6.4	27
18	Gene <i>miaA</i> for post-transcriptional modification of tRNA <sup>XXA</sup> is important for morphological and metabolic differentiation in <i>Streptomyces</i> . <i>Molecular Microbiology</i> , 2019, 112, 249-265.	2.5	26

#	ARTICLE	IF	CITATIONS
19	Linkage between Fitness of Yeast Cells and Adenylate Kinase Catalysis. PLoS ONE, 2016, 11, e0163115.	2.5	12
20	Loss of ncm5 and mcm5 wobble uridine side chains results in an altered metabolic profile. Metabolomics, 2016, 12, 177.	3.0	11
21	SSD1 suppresses phenotypes induced by the lack of Elongator-dependent tRNA modifications. PLoS Genetics, 2019, 15, e1008117.	3.5	10
22	Allele-Specific Suppressors of <i>lin-1</i> (R175Opal) Identify Functions of MOC-3 and DPH-3 in tRNA Modification Complexes in <i>Caenorhabditis elegans</i> . Genetics, 2010, 185, 1235-1247.	2.9	7
23	Identification of factors that promote biogenesis of tRNA <sup>CGA</sup> <sub>Ser</sub> . RNA Biology, 2018, 15, 1286-1294.	3.1	6
24	SSD1 modifies phenotypes of Elongator mutants. Current Genetics, 2020, 66, 481-485.	1.7	3
25	Yeast Elongator protein Elp1p does not undergo proteolytic processing in exponentially growing cells. MicrobiologyOpen, 2015, 4, 867-878.	3.0	2
26	Elongator function in tRNA wobble uridine modification is conserved between yeast and plants. Molecular Microbiology, 2010, 77, 531-531.	2.5	1