

# Matthew D Berg

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A novel mistranslating tRNA model in <i>Drosophila melanogaster</i> has diverse, sexually dimorphic effects. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	4
2	Genetic background and mistranslation frequency determine the impact of mistranslating tRNA <sup>Ser</sup> UGG. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	1
3	Transfer RNAs: diversity in form and function. <i>RNA Biology</i> , 2021, 18, 316-339.	3.1	44
4	The amino acid substitution affects cellular response to mistranslation. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	10
5	The SAGA and NuA4 component Tra1 regulates <i>Candida albicans</i> drug resistance and pathogenesis. <i>Genetics</i> , 2021, 219, .	2.9	7
6	Regulating Expression of Mistranslating tRNAs by Readthrough RNA Polymerase II Transcription. <i>ACS Synthetic Biology</i> , 2021, 10, 3177-3189.	3.8	4
7	Chemical-Genetic Interactions with the Proline Analog L-Azetidine-2-Carboxylic Acid in <i>Saccharomyces cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 4335-4345.	1.8	8
8	Mistranslating tRNA identifies a deleterious S213P mutation in the <i>Saccharomyces cerevisiae</i> <i>eco1-1</i> allele. <i>Biochemistry and Cell Biology</i> , 2020, 98, 624-630.	2.0	6
9	Targeted sequencing reveals expanded genetic diversity of human transfer RNAs. <i>RNA Biology</i> , 2019, 16, 1574-1585.	3.1	19
10	Sfp1 links TORC1 and cell growth regulation to the yeast SAGA complex component Tra1 in response to polyQ proteotoxicity. <i>Traffic</i> , 2019, 20, 267-283.	2.7	9
11	Modulating Mistranslation Potential of tRNA <sup>Ser</sup> in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2019, 213, 849-863.	2.9	21
12	Pathways to disease from natural variations in human cytoplasmic tRNAs. <i>Journal of Biological Chemistry</i> , 2019, 294, 5294-5308.	3.4	59
13	The Pseudokinase Domain of <i>Saccharomyces cerevisiae</i> Tra1 Is Required for Nuclear Localization and Incorporation into the SAGA and NuA4 Complexes. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1943-1957.	1.8	16
14	Visualizing tRNA-dependent mistranslation in human cells. <i>RNA Biology</i> , 2018, 15, 567-575.	3.1	35
15	Acceptor Stem Differences Contribute to Species-Specific Use of Yeast and Human tRNA <sup>Ser</sup> . <i>Genes</i> , 2018, 9, 612.	2.4	11
16	Genetic selection for mistranslation rescues a defective co-chaperone in yeast. <i>Nucleic Acids Research</i> , 2017, 45, 3407-3421.	14.5	38
17	Evolving Mistranslating tRNAs Through a Phenotypically Ambivalent Intermediate in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2017, 206, 1865-1879.	2.9	24