

# Gary Loughran

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,763  
citations

430874

18  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosomal frameshifting and transcriptional slippage: From genetic steganography and cryptography to adventitious use. <i>Nucleic Acids Research</i> , 2016, 44, gkw530.	14.5	238
2	Evidence of efficient stop codon readthrough in four mammalian genes. <i>Nucleic Acids Research</i> , 2014, 42, 8928-8938.	14.5	184
3	Structural basis of ribosomal frameshifting during translation of the SARS-CoV-2 RNA genome. <i>Science</i> , 2021, 372, 1306-1313.	12.6	165
4	Initiation context modulates autoregulation of eukaryotic translation initiation factor 1 (eIF1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18056-18060.	7.1	125
5	Insights into the mechanisms of eukaryotic translation gained with ribosome profiling. <i>Nucleic Acids Research</i> , 2017, 45, 513-526.	14.5	124
6	Polyamine Control of Translation Elongation Regulates Start Site Selection on Antizyme Inhibitor mRNA via Ribosome Queuing. <i>Molecular Cell</i> , 2018, 70, 254-264.e6.	9.7	112
7	A case for "StopGo": Reprogramming translation to augment codon meaning of GGN by promoting unconventional termination (Stop) after addition of glycine and then allowing continued translation (Go). <i>Rna</i> , 2007, 13, 803-810.	3.5	104
8	Stringency of start codon selection modulates autoregulation of translation initiation factor eIF5. <i>Nucleic Acids Research</i> , 2012, 40, 2898-2906.	14.5	99
9	uORFs with unusual translational start codons autoregulate expression of eukaryotic ornithine decarboxylase homologs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10079-10084.	7.1	90
10	Ribosomal frameshifting into an overlapping gene in the 2B-encoding region of the cardiovirus genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E11111-9.	7.1	67
11	Avoidance of reporter assay distortions from fused dual reporters. <i>Rna</i> , 2017, 23, 1285-1289.	3.5	63
12	AMD1 mRNA employs ribosome stalling as a mechanism for molecular memory formation. <i>Nature</i> , 2018, 553, 356-360.	27.8	63
13	Stop codon readthrough generates a C-terminally extended variant of the human vitamin D receptor with reduced calcitriol response. <i>Journal of Biological Chemistry</i> , 2018, 293, 4434-4444.	3.4	59
14	Systematic analysis of the <i>PTEN</i> 5' leader identifies a major AUU initiated proteoform. <i>Open Biology</i> , 2016, 6, 150203.	3.6	39
15	Unusually efficient CUG initiation of an overlapping reading frame in <i>POLG</i> mRNA yields novel protein POLGARF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24936-24946.	7.1	30
16	TASEP modelling provides a parsimonious explanation for the ability of a single uORF to derepress translation during the integrated stress response. <i>ELife</i> , 2018, 7, .	6.0	28
17	Non-AUG translation initiation in mammals. <i>Genome Biology</i> , 2022, 23, 111.	8.8	25
18	Characterization of Ribosomal Frameshifting in Theiler's Murine Encephalomyelitis Virus. <i>Journal of Virology</i> , 2015, 89, 8580-8589.	3.4	23

#	ARTICLE	IF	CITATIONS
19	Translational autoregulation of BZW1 and BZW2 expression by modulating the stringency of start codon selection. <i>PLoS ONE</i> , 2018, 13, e0192648.	2.5	20
20	Multiple RNA structures affect translation initiation and UGA redefinition efficiency during synthesis of selenoprotein P. <i>Nucleic Acids Research</i> , 2017, 45, 13004-13015.	14.5	18
21	Processive Recoding and Metazoan Evolution of Selenoprotein P: Up to 132 UGAs in Molluscs. <i>Journal of Molecular Biology</i> , 2019, 431, 4381-4407.	4.2	18
22	Evaluating ribosomal frameshifting in CCR5 mRNA decoding. <i>Nature</i> , 2022, 604, E16-E23.	27.8	18
23	Translation control of mRNAs encoding mammalian translation initiation factors. <i>Gene</i> , 2018, 651, 174-182.	2.2	16
24	Tissue-specific dynamic codon redefinition in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
25	A [Cu]rious Ribosomal Profiling Pattern Leads to the Discovery of Ribosomal Frameshifting in the Synthesis of a Copper Chaperone. <i>Molecular Cell</i> , 2017, 65, 203-204.	9.7	4
26	Catch me if you can: trapping scanning ribosomes in their footsteps. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 703-704.	8.2	3
27	From Recoding to Peptides for MHC Class I Immune Display: Enriching Viral Expression, Virus Vulnerability and Virus Evasion. <i>Viruses</i> , 2021, 13, 1251.	3.3	3
28	Stop codon readthrough contexts influence reporter expression differentially depending on the presence of an IRES. <i>Wellcome Open Research</i> , 2020, 5, 221.	1.8	1