Wendy Gilbert

List of Publications by Year
in descending order

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39 papers	3,724 citations	257101 24 h-index	377514 34 g-index
45 all docs	45 docs citations	45 times ranked	5383 citing authors

#	Article	IF	Citations
1	Direct analysis of ribosome targeting illuminates thousand-fold regulation of translation initiation. Cell Systems, 2022, 13, 256-264.e3.	2.9	20
2	Pseudouridine synthases modify human pre-mRNA co-transcriptionally and affect pre-mRNA processing. Molecular Cell, 2022, 82, 645-659.e9.	4.5	75
3	Creative approaches to perform an inclusive faculty search. FASEB Journal, 2022, 36, .	0.2	0
4	Transcriptome-wide mapping reveals a diverse dihydrouridine landscape including mRNA. PLoS Biology, 2022, 20, e3001622.	2.6	25
5	Investigating Pseudouridylation Mechanisms by High-Throughput in Vitro RNA Pseudouridylation and Sequencing. Methods in Molecular Biology, 2021, 2298, 379-397.	0.4	2
6	Pseudouridine site assignment by high-throughput in vitro RNA pseudouridylation and sequencing. Methods in Enzymology, 2021, 658, 277-310.	0.4	1
7	Restriction of SARS-CoV-2 replication by targeting programmed â^'1 ribosomal frameshifting. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	75
8	Quantitative Comparisons of Translation Activity by Ribosome Profiling with Internal Standards. Methods in Molecular Biology, 2021, 2252, 127-149.	0.4	5
9	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. PLoS Biology, 2020, 18, e3000780.	2.6	56
10	Regulation and Function of RNA Pseudouridylation in Human Cells. Annual Review of Genetics, 2020, 54, 309-336.	3.2	97
11	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
12	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
13	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
14	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
15	mRNA structure determines modification by pseudouridine synthase 1. Nature Chemical Biology, 2019, 15, 966-974.	3.9	93
16	Human SNORA31 variations impair cortical neuron-intrinsic immunity to HSV-1 and underlie herpes simplex encephalitis. Nature Medicine, 2019, 25, 1873-1884.	15.2	76
17	Preâ€mRNA modifications and their role in nuclear processing. Quantitative Biology, 2018, 6, 210-227.	0.3	22
18	Lso2 is a conserved ribosome-bound protein required for translational recovery in yeast. PLoS Biology, 2018, 16, e2005903.	2.6	31

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19	Translation initiation factor eIF4G1 preferentially binds yeast transcript leaders containing conserved oligo-uridine motifs. Rna, 2017, 23, 1365-1375.	1.6	32
20	mRNA length-sensing in eukaryotic translation: reconsidering the â€œclosed loopâ€• and its implications for translational control. Current Genetics, 2017, 63, 613-620.	0.8	51
21	Identification of new branch points and unconventional introns in Saccharomyces cerevisiae. Rna, 2016, 22, 1522-1534.	1.6	32
22	Loss-of-function mutations in the RNA biogenesis factor NAF1 predispose to pulmonary fibrosisâ€“emphysema. Science Translational Medicine, 2016, 8, 351ra107.	5.8	168
23	Messenger RNA modifications: Form, distribution, and function. Science, 2016, 352, 1408-1412.	6.0	479
24	Mutations in Nonessential eIF3k and eIF3l Genes Confer Lifespan Extension and Enhanced Resistance to ER Stress in Caenorhabditis elegans. PLoS Genetics, 2016, 12, e1006326.	1.5	37
25	The ribosomal protein Asc1/RACK1 is required for efficient translation of short mRNAs. ELife, 2016, 5, .	2.8	107
26	A trans -Dominant Form of Gag Restricts Ty1 Retrotransposition and Mediates Copy Number Control. Journal of Virology, 2015, 89, 3922-3938.	1.5	72
27	Pseudo-Seq. Methods in Enzymology, 2015, 560, 219-245.	0.4	48
28	Regulated Formation of an Amyloid-like Translational Repressor Governs Gametogenesis. Cell, 2015, 163, 406-418.	13.5	148
29	Transcriptomeâ€Wide Identification of Pseudouridine Modifications Using Pseudoâ€seq. Current Protocols in Molecular Biology, 2015, 112, 4.25.1-4.25.24.	2.9	15
30	Protein kinase A regulates gene-specific translational adaptation in differentiating yeast. Rna, 2014, 20, 912-922.	1.6	25
31	Pseudouridine profiling reveals regulated mRNA pseudouridylation in yeast and human cells. Nature, 2014, 515, 143-146.	13.7	800
32	Loss of a Conserved tRNA Anticodon Modification Perturbs Cellular Signaling. PLoS Genetics, 2013, 9, e1003675.	1.5	181
33	Roles for transcript leaders in translation and mRNA decay revealed by transcript leader sequencing. Genome Research, 2013, 23, 977-987.	2.4	152
34	Alternative transcription start site selection leads to large differences in translation activity in yeast. Rna, 2012, 18, 2299-2305.	1.6	111
35	Reconsidering Movement of Eukaryotic mRNAs between Polysomes and P Bodies. Molecular Cell, 2011, 44, 745-758.	4.5	119
36	Functional specialization of ribosomes?. Trends in Biochemical Sciences, 2011, 36, 127-132.	3.7	108

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37	Alternative Ways to Think about Cellular Internal Ribosome Entry. Journal of Biological Chemistry, 2010, 285, 29033-29038.	1.6	106
38	Direct Link between RACK1 Function and Localization at the Ribosome In Vivo. Molecular and Cellular Biology, 2009, 29, 1626-1634.	1.1	136
39	Cap-Independent Translation Is Required for Starvation-Induced Differentiation in Yeast. Science, 2007, 317, 1224-1227.	6.0	194