Yi-Tao Yu

List of Publications by Year
in descending order

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33 papers	1,928 citations	304701 22 h-index	395678 33 g-index
40 all docs	40 docs citations	40 times ranked	1691 citing authors

#	Article	IF	Citations
1	Spliceosomal snRNA Epitranscriptomics. Frontiers in Genetics, 2021, 12, 652129.	2.3	58
2	From Antisense RNA to RNA Modification: Therapeutic Potential of RNA-Based Technologies. Biomedicines, 2021, 9, 550.	3.2	40
3	The Critical Contribution of Pseudouridine to mRNA COVID-19 Vaccines. Frontiers in Cell and Developmental Biology, 2021, 9, 789427.	3.7	100
4	Pseudouridine-mediated stop codon readthrough in S. cerevisiae is sequence contextâ€“independent. Rna, 2020, 26, 1247-1256.	3.5	21
5	Suppression of Nonsense Mutations by New Emerging Technologies. International Journal of Molecular Sciences, 2020, 21, 4394.	4.1	36
6	Post-transcriptional pseudouridylation in mRNA as well as in some major types of noncoding RNAs. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 230-239.	1.9	43
7	Detection and Quantification of Pseudouridine in RNA. Methods in Molecular Biology, 2019, 1870, 219-235.	0.9	11
8	RNA-dependent pseudouridylation catalyzed by box H/ACA RNPs. Frontiers in Biology, 2018, 13, 1-10.	0.7	2
9	The Role of Noncoding RNA Pseudouridylation in Nuclear Gene Expression Events. Frontiers in Bioengineering and Biotechnology, 2018, 6, 8.	4.1	37
10	Guide-substrate base-pairing requirement for box H/ACA RNA-guided RNA pseudouridylation. Rna, 2018, 24, 1106-1117.	3.5	27
11	Posttranscriptional RNA Pseudouridylation. The Enzymes, 2017, 41, 151-167.	1.7	33
12	5-Fluorouracil Treatment Alters the Efficiency of Translational Recoding. Genes, 2017, 8, 295.	2.4	10
13	Pseudouridines in U2 snRNA stimulate the ATPase activity of Prp5 during spliceosome assembly. EMBO Journal, 2016, 35, 654-667.	7.8	57
14	Structural insights into Gemin5-guided selection of pre-snRNAs for snRNP assembly. Genes and Development, 2016, 30, 2376-2390.	5.9	60
15	TheTORsignaling pathway regulates starvation-induced pseudouridylation of yeast U2 snRNA. Rna, 2016, 22, 1146-1152.	3.5	16
16	Detection and quantification of RNA 2â€²-O-methylation and pseudouridylation. Methods, 2016, 103, 68-76.	3.8	15
17	Purification and Functional Reconstitution of Box H/ACA Ribonucleoprotein Particles. Methods in Molecular Biology, 2016, 1421, 97-109.	0.9	3
18	The new era of RNA modification. Rna, 2015, 21, 659-660.	3.5	14

#	Article	IF	Citations
19	Pseudouridine in mRNA. Methods in Enzymology, 2015, 560, 187-217.	1.0	13
20	Transcriptome-wide dynamics of RNA pseudouridylation. Nature Reviews Molecular Cell Biology, 2015, 16, 581-585.	37.0	107
21	RNA-guided isomerization of uridine to pseudouridineâ€"pseudouridylation. RNA Biology, 2014, 11, 1483-1494.	3.1	107
22	Therapeutic suppression of premature termination codons: Mechanisms and clinical considerations (Review). International Journal of Molecular Medicine, 2014, 34, 355-362.	4.0	37
23	Insight into the mechanisms and functions of spliceosomal snRNA pseudouridylation. World Journal of Biological Chemistry, 2014, 5, 398.	4.3	19
24	RNA pseudouridylation: new insights into an old modification. Trends in Biochemical Sciences, 2013, 38, 210-218.	7.5	208
25	Unusual base pairing during the decoding of a stop codon by the ribosome. Nature, 2013, 500, 107-110.	27.8	135
26	Converting nonsense codons into sense codons by targeted pseudouridylation. Nature, 2011, 474, 395-398.	27.8	286
27	U2 snRNA is inducibly pseudouridylated at novel sites by Pus7p and snR81 RNP. EMBO Journal, 2011, 30, 79-89.	7.8	129
28	Post-transcriptional Modification of RNAs by Artificial Box H/ACA and Box C/D RNPs. Methods in Molecular Biology, 2011, 718, 227-244.	0.9	16
29	Functionality and substrate specificity of human box H/ACA guide RNAs. Rna, 2009, 15, 176-186.	3.5	33
30	Pseudouridylation of yeast U2 snRNA is catalyzed by either an RNA-guided or RNA-independent mechanism. EMBO Journal, 2005, 24, 2403-2413.	7.8	73
31	Pseudouridylation (Psi) of U2 snRNA in S.cerevisiae is catalyzed by an RNA-independent mechanism. EMBO Journal, 2003, 22, 1889-1897.	7.8	102
32	An H/ACA guide RNA directs U2 pseudouridylation at two different sites in the branchpoint recognition region in Xenopus oocytes. Rna, 2002, 8, 1515-25.	3.5	45
33	Functional Roles of SpliceosomalSNRNA Modifications in Pre-MRNA Splicing. , 0, , 175-189.		3