

# Allan Jacobson

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

6,296  
citations

109321

35  
h-index

149698

56  
g-index

69  
all docs

69  
docs citations

69  
times ranked

6722  
citing authors

#	ARTICLE	IF	CITATIONS
1	The DHODH inhibitor PTC299 arrests SARS-CoV-2 replication and suppresses induction of inflammatory cytokines. <i>Virus Research</i> , 2021, 292, 198246.	2.2	53
2	Transcriptome-wide investigation of stop codon readthrough in <i>Saccharomyces cerevisiae</i> . <i>PLoS Genetics</i> , 2021, 17, e1009538.	3.5	19
3	Poly(A)-Binding Protein Regulates the Efficiency of Translation Termination. <i>Cell Reports</i> , 2020, 33, 108399.	6.4	25
4	Selective profiling of ribosomes associated with yeast Upf proteins. <i>Methods</i> , 2019, 155, 58-67.	3.8	6
5	Targeting of Hematologic Malignancies with PTC299, A Novel Potent Inhibitor of Dihydroorotate Dehydrogenase with Favorable Pharmaceutical Properties. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 3-16.	4.1	65
6	Conserved mRNA-granule component Scd6 targets Dhh1 to repress translation initiation and activates Dcp2-mediated mRNA decay in vivo. <i>PLoS Genetics</i> , 2018, 14, e1007806.	3.5	29
7	New <i>in Vitro</i> Assay Measuring Direct Interaction of Nonsense Suppressors with the Eukaryotic Protein Synthesis Machinery. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1285-1291.	2.8	28
8	High-Resolution Profiling of NMD Targets in Yeast. <i>Methods in Enzymology</i> , 2018, 612, 147-181.	1.0	1
9	General decapping activators target different subsets of inefficiently translated mRNAs. <i>ELife</i> , 2018, 7, .	6.0	40
10	High-resolution profiling of NMD targets in yeast reveals translational fidelity as a basis for substrate selection. <i>Rna</i> , 2017, 23, 735-748.	3.5	92
11	The moment when translational control had a theory of everything. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 344-344.	37.0	0
12	NMD monitors translational fidelity 24/7. <i>Current Genetics</i> , 2017, 63, 1007-1010.	1.7	40
13	Ataluren stimulates ribosomal selection of near-cognate tRNAs to promote nonsense suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12508-12513.	7.1	168
14	Nonsense suppression by near-cognate tRNAs employs alternative base pairing at codon positions 1 and 3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3038-3043.	7.1	109
15	Methods to our madness. <i>Rna</i> , 2015, 21, 529-530.	3.5	0
16	Control of mRNA decapping by positive and negative regulatory elements in the Dcp2 C-terminal domain. <i>Rna</i> , 2015, 21, 1633-1647.	3.5	47
17	Nonsense-Mediated mRNA Decay: Degradation of Defective Transcripts Is Only Part of the Story. <i>Annual Review of Genetics</i> , 2015, 49, 339-366.	7.6	239
18	NMD: At the crossroads between translation termination and ribosome recycling. <i>Biochimie</i> , 2015, 114, 2-9.	2.6	52

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19	A Highly Conserved Region Essential for NMD in the Upf2 N-Terminal Domain. <i>Journal of Molecular Biology</i> , 2014, 426, 3689-3702.	4.2	16
20	The RNA exosome affects iron response and sensitivity to oxidative stress. <i>Rna</i> , 2014, 20, 1057-1067.	3.5	9
21	Yeast Edc3 Targets <i>RPS28B</i> mRNA for Decapping by Binding to a 3' Untranslated Region Decay-Inducing Regulatory Element. <i>Molecular and Cellular Biology</i> , 2014, 34, 1438-1451.	2.3	26
22	The intimate relationships of mRNA decay and translation. <i>Trends in Genetics</i> , 2013, 29, 691-699.	6.7	141
23	Yeast Upf1 CH domain interacts with Rps26 of the 40S ribosomal subunit. <i>Rna</i> , 2013, 19, 1105-1115.	3.5	33
24	Ataluren as an Agent for Therapeutic Nonsense Suppression. <i>Annual Review of Medicine</i> , 2013, 64, 407-425.	12.2	160
25	Intra- and Intermolecular Regulatory Interactions in Upf1, the RNA Helicase Central to Nonsense-Mediated mRNA Decay in Yeast. <i>Molecular and Cellular Biology</i> , 2013, 33, 4672-4684.	2.3	17
26	Testing the faux-UTR model for NMD: Analysis of Upf1p and Pab1p competition for binding to eRF3/Sup35p. <i>Biochimie</i> , 2012, 94, 1560-1571.	2.6	36
27	NMD: a multifaceted response to premature translational termination. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 700-712.	37.0	476
28	RNA decay modulates gene expression and controls its fidelity. <i>Wiley Interdisciplinary Reviews RNA</i> , 2010, 1, 351-361.	6.4	57
29	Translational competence of ribosomes released from a premature termination codon is modulated by NMD factors. <i>Rna</i> , 2010, 16, 1832-1847.	3.5	42
30	Nonsense-mediated mRNA decay maintains translational fidelity by limiting magnesium uptake. <i>Genes and Development</i> , 2010, 24, 1491-1495.	5.9	47
31	Nonsense suppression activity of PTC124 (ataluren). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, E64; author reply E65.	7.1	36
32	Targeting post-transcriptional control for drug discovery. <i>RNA Biology</i> , 2009, 6, 329-334.	3.1	14
33	Translation factors promote the formation of two states of the closed-loop mRNP. <i>Nature</i> , 2008, 453, 1276-1280.	27.8	174
34	The Use of Fungal In Vitro Systems for Studying Translational Regulation. <i>Methods in Enzymology</i> , 2007, 429, 203-225.	1.0	36
35	Association of yeast Upf1p with direct substrates of the NMD pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20872-20877.	7.1	82
36	YRA1 Autoregulation Requires Nuclear Export and Cytoplasmic Edc3p-Mediated Degradation of Its Pre-mRNA. <i>Molecular Cell</i> , 2007, 25, 559-573.	9.7	79

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37	PTC124 targets genetic disorders caused by nonsense mutations. <i>Nature</i> , 2007, 447, 87-91.	27.8	1,007
38	Early nonsense: mRNA decay solves a translational problem. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 415-425.	37.0	235
39	Ribosome Occupancy of the Yeast CPA1 Upstream Open Reading Frame Termination Codon Modulates Nonsense-Mediated mRNA Decay. <i>Molecular Cell</i> , 2005, 20, 449-460.	9.7	144
40	Depth of Proteome Issues. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 625-659.	3.8	38
41	A faux 3' UTR promotes aberrant termination and triggers nonsense-mediated mRNA decay. <i>Nature</i> , 2004, 432, 112-118.	27.8	454
42	Regulation of mRNA Decay. <i>Molecular Cell</i> , 2004, 15, 1-2.	9.7	22
43	Genome-Wide Analysis of mRNAs Regulated by the Nonsense-Mediated and 5' to 3' mRNA Decay Pathways in Yeast. <i>Molecular Cell</i> , 2003, 12, 1439-1452.	9.7	365
44	Poly(A)-binding proteins: multifunctional scaffolds for the post-transcriptional control of gene expression. <i>Genome Biology</i> , 2003, 4, 223.	9.6	487
45	Nonsense-Containing mRNAs That Accumulate in the Absence of a Functional Nonsense-Mediated mRNA Decay Pathway Are Destabilized Rapidly upon Its Restitution. <i>Molecular and Cellular Biology</i> , 2003, 23, 842-851.	2.3	65
46	Toeprint analysis of the positioning of translation apparatus components at initiation and termination codons of fungal mRNAs. <i>Methods</i> , 2002, 26, 105-114.	3.8	63
47	Upf1p, Nmd2p, and Upf3p Regulate the Decapping and Exonucleolytic Degradation of both Nonsense-Containing mRNAs and Wild-Type mRNAs. <i>Molecular and Cellular Biology</i> , 2001, 21, 1515-1530.	2.3	90
48	Absence of Dbp2p Alters Both Nonsense-Mediated mRNA Decay and rRNA Processing. <i>Molecular and Cellular Biology</i> , 2001, 21, 7366-7379.	2.3	86
49	Characterization of the biochemical properties of the human Upf1 gene product that is involved in nonsense-mediated mRNA decay. <i>Rna</i> , 2000, 6, 1226-1235.	3.5	157
50	Upf1p Control of Nonsense mRNA Translation Is Regulated by Nmd2p and Upf3p. <i>Molecular and Cellular Biology</i> , 2000, 20, 4591-4603.	2.3	101
51	mRNA Stability and Polysome Loss in Hibernating Arctic Ground Squirrels ( <i>Spermophilus parryii</i> ). <i>Molecular and Cellular Biology</i> , 2000, 20, 6374-6379.	2.3	7
52	Overexpression of truncated Nmd3p inhibits protein synthesis in yeast. <i>Rna</i> , 1999, 5, 1055-1070.	3.5	30
53	Linking mRNA Turnover and Translation: Assessing the Polyribosomal Association of mRNA Decay Factors and Degradative Intermediates. <i>Methods</i> , 1999, 17, 28-37.	3.8	58
54	Temperature-Sensitive Mutations in the <i>Saccharomyces cerevisiae</i> MRT4, GRC5, SLA2 and THS1 Genes Result in Defects in mRNA Turnover. <i>Genetics</i> , 1999, 153, 35-47.	2.9	53

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55	Pbp1p, a Factor Interacting with <i>Saccharomyces cerevisiae</i> Poly(A)-Binding Protein, Regulates Polyadenylation. <i>Molecular and Cellular Biology</i> , 1998, 18, 7383-7396.	2.3	177
56	A Genetic Approach to Mapping Coding Region Determinants of mRNA Instability in Yeast. , 1997, , 149-161.		2
57	Nonsense-mediated mRNA Decay in Yeast. <i>Progress in Molecular Biology and Translational Science</i> , 1994, 47, 271-298.	1.9	103
58	Sequence elements that affect mRNA translational activity in developing <i>Dictyostelium</i> cells. <i>Genesis</i> , 1991, 12, 98-103.	2.1	27
59	Post-transcriptional regulation of ribosomal protein gene expression during development in <i>Dictyostelium discoideum</i> . <i>Genesis</i> , 1988, 9, 421-434.	2.1	9
60	Dcp2 C-terminal cis-binding elements control selective targeting of the decapping enzyme by forming distinct decapping complexes. <i>ELife</i> , 0, 11, .	6.0	12