Yoav S Arava

List of Publications by Year
in descending order

39 papers	1,837 citations	430874 18 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	2287 citing authors

#	Article	IF	Citations
1	Genome-wide analysis of mRNA translation profiles in Saccharomyces cerevisiae. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3889-3894.	7.1	632
2	Tom20 Mediates Localization of mRNAs to Mitochondria in a Translation-Dependent Manner. Molecular and Cellular Biology, 2010, 30, 284-294.	2.3	150
3	Localized translation near the mitochondrial outer membrane: An update. RNA Biology, 2015, 12, 801-809.	3.1	130
4	Dissecting eukaryotic translation and its control by ribosome density mapping. Nucleic Acids Research, 2005, 33, 2421-2432.	14.5	120
5	OM14 is a mitochondrial receptor for cytosolic ribosomes that supports co-translational import into mitochondria. Nature Communications, 2014, 5, 5711.	12.8	106
6	Yeast translational response to high salinity: Global analysis reveals regulation at multiple levels. Rna, 2008, 14, 1337-1351.	3.5	99
7	The extent of ribosome queuing in budding yeast. PLoS Computational Biology, 2018, 14, e1005951.	3.2	55
8	The 3â€²-UTR mediates the cellular localization of an mRNA encoding a short plasma membrane protein. Rna, 2008, 14, 1352-1365.	3.5	44
9	mRNA association by aminoacyl tRNA synthetase occurs at a putative anticodon mimic and autoregulates translation in response to tRNA levels. PLoS Biology, 2019, 17, e3000274.	5.6	37
10	Characterization of Factors Involved in Localized Translation Near Mitochondria by Ribosome-Proximity Labeling. Frontiers in Cell and Developmental Biology, 2019, 7, 305.	3.7	37
11	Genomeâ€Wide Analysis of mRNA Polysomal Profiles with Spotted DNA Microarrays. Methods in Enzymology, 2007, 431, 177-201.	1.0	32
12	The protein chaperone Ssa1 affects mRNA localization to the mitochondria. FEBS Letters, 2012, 586, 64-69.	2.8	31
13	Pseudouridine-mediated translation control of mRNA by methionine aminoacyl tRNA synthetase. Nucleic Acids Research, 2021, 49, 432-443.	14.5	31
14	A Molecular Cryptosystem for Images by DNA Computing. Angewandte Chemie - International Edition, 2012, 51, 2883-2887.	13.8	30
15	Genome-wide Analysis of Pre-mRNA Splicing. Journal of Biological Chemistry, 2004, 279, 52437-52446.	3.4	27
16	Exploring translation regulation by global analysis of ribosomal association. Methods, 2009, 48, 301-305.	3.8	25
17	Divergent RNA binding specificity of yeast Puf2p. Rna, 2011, 17, 1479-1488.	3.5	25
18	GRFÎ², a Novel Regulator of Calcium Signaling, Is Expressed in Pancreatic Beta Cells and Brain. Journal of Biological Chemistry, 1999, 274, 24449-24452.	3.4	18

#	ARTICLE	IF	CITATIONS
19	Identification and characterization of extensive intra-molecular associations between 3'-UTRs and their ORFs. Nucleic Acids Research, 2008, 36, 6728-6738.	14.5	16
20	Asc1 Supports Cell-Wall Integrity Near Bud Sites by a Pkc1 Independent Mechanism. PLoS ONE, 2010, 5, e11389.	2.5	16
21	CytoCensus, mapping cell identity and division in tissues and organs using machine learning. ELife, 2020, 9, .	6.0	16
22	Identification and characterization of roles for Puf1 and Puf2 proteins in the yeast response to high calcium. Scientific Reports, 2017, 7, 3037.	3.3	15
23	Expanding the CRISPR/Cas9 Toolbox for Gene Engineering in S. cerevisiae. Current Microbiology, 2020, 77, 468-478.	2.2	14
24	Neuronal upregulation of Prospero protein is driven by alternative mRNA polyadenylation and Syncrip-mediated mRNA stabilisation. Biology Open, 2020, 9, .	1.2	14
25	RNA mimicry in postâ€transcriptional regulation by aminoacyl tRNA synthetases. Wiley Interdisciplinary Reviews RNA, 2020, 11, e1564.	6.4	12
26	Localization and RNA Binding of Mitochondrial Aminoacyl tRNA Synthetases. Genes, 2020, 11, 1185.	2.4	12
27	Co-transport of the nuclear-encoded Cox7c mRNA with mitochondria along axons occurs through a coding-region-dependent mechanism. Journal of Cell Science, 2022, 135, .	2.0	10
28	The elongation factor eEF3 (Yef3) interacts with mRNA in a translation independent manner. BMC Molecular Biology, 2015, 16, 17.	3.0	9
29	Distinct RNA-binding modules in a single PUF protein cooperate to determine RNA specificity. Nucleic Acids Research, 2019, 47, 8770-8784.	14.5	9
30	Comprehensive characterization of mRNAs associated with yeast cytosolic aminoacyl-tRNA synthetases. RNA Biology, 2021, 18, 1-12.	3.1	9
31	A Ribosomal Density-Mapping Procedure to Explore Ribosome Positions Along Translating mRNAs. Methods in Molecular Biology, 2008, 419, 231-242.	0.9	8
32	Differential expression of the protein kinase A regulatory subunit (RIÎ±) in pancreatic endocrine cells. FEBS Letters, 1998, 425, 24-28.	2.8	7
33	Isolation of mRNAs Associated with Yeast Mitochondria to Study Mechanisms of Localized Translation. Journal of Visualized Experiments, 2014, , .	0.3	7
34	RNA modifications as a common denominator between tRNA and mRNA. Current Genetics, 2021, 67, 545-551.	1.7	7
35	Overexpression of eukaryotic initiation factor 5 rescues the translational defect of tpk1^w in a manner that necessitates a novel phosphorylation site. FEBS Journal, 2015, 282, 504-520.	4.7	6
36	Compaction of polyribosomal mRNA. RNA Biology, 2009, 6, 399-401.	3.1	3

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37	Detecting Ribosomal Association with the 5â€² Leader of mRNAs by Ribosome Density Mapping (RDM). Methods in Enzymology, 2007, 431, 163-175.	1.0	2
38	Phage biology: Stuck with dU. Current Biology, 2021, 31, R898-R900.	3.9	1
39	Novel RNA-Binding Proteins Isolation by the RaPID Methodology. Journal of Visualized Experiments, 2016, , .	0.3	0