Yaron Shav-Tal

List of Publications by Year
in descending order

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98 papers	5,747 citations	159585 30 h-index	82547 72 g-index
101 all docs	101 docs citations	101 times ranked	6766 citing authors

#	Article	IF	Citations
1	Peroxisome function relies on organelle-associated mRNA translation. Science Advances, 2022, 8, eabk2141.	10.3	18
2	Gene architecture directs splicing outcome in separate nuclear spatial regions. Molecular Cell, 2022, 82, 1021-1034.e8.	9.7	26
3	Glucocorticoids enhance chemotherapy-driven stress granule assembly and impair granule dynamics, leading to cell death. Journal of Cell Science, 2022, 135, .	2.0	9
4	The Association of MEG3 lncRNA with Nuclear Speckles in Living Cells. Cells, 2022, 11, 1942.	4.1	3
5	Nuclear speckles â€“ a driving force in gene expression. Journal of Cell Science, 2022, 135, .	2.0	23
6	The Portal Vertex of KSHV Promotes Docking of Capsids at the Nuclear Pores. Viruses, 2021, 13, 597.	3.3	10
7	Applying styryl quinolinium fluorescent probes for imaging of ribosomal RNA in living cells. Dyes and Pigments, 2020, 174, 107986.	3.7	16
8	The Sub-Nuclear Localization of RNA-Binding Proteins in KSHV-Infected Cells. Cells, 2020, 9, 1958.	4.1	3
9	Speculating on the Roles of Nuclear Speckles: How RNAâ€Protein Nuclear Assemblies Affect Gene Expression. BioEssays, 2020, 42, e2000104.	2.5	15
10	Dynamic Supraspliceosomes Are Assembled on Different Transcripts Regardless of Their Intron Number and Splicing State. Frontiers in Genetics, 2020, 11, 409.	2.3	3
11	Specific, Sensitive, and Quantitative Detection of HER-2 mRNA Breast Cancer Marker by Fluorescent Light-Up Hybridization Probes. Bioconjugate Chemistry, 2020, 31, 1188-1198.	3.6	7
12	Into the basket and beyond: the journey of mRNA through the nuclear pore complex. Biochemical Journal, 2020, 477, 23-44.	3.7	29
13	Detection of mRNAs Anchored to the Nuclear Envelope During Export Inhibition in Living Cells. Methods in Molecular Biology, 2019, 2038, 151-163.	0.9	1
14	Cytoplasmic DNA can be detected by RNA fluorescence in situ hybridization. Nucleic Acids Research, 2019, 47, e109-e109.	14.5	9
15	Imaging within single NPCs reveals NXF1â€™s role in mRNA export on the cytoplasmic side of the pore. Journal of Cell Biology, 2019, 218, 2962-2981.	5.2	24
16	An oligonucleotide probe incorporating the chromophore of green fluorescent protein is useful for the detection of HER-2 mRNA breastÂcancer marker. European Journal of Medicinal Chemistry, 2019, 173, 99-106.	5.5	10
17	The dynamic lifecycle of mRNA in the nucleus. Current Opinion in Cell Biology, 2019, 58, 69-75.	5.4	11
18	Uncoupling of nucleo-cytoplasmic RNA export and localization during stress. Nucleic Acids Research, 2019, 47, 4778-4797.	14.5	39

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19	Active RNA polymerase II curbs chromatin movement. Journal of Cell Biology, 2019, 218, 1427-1428.	5.2	2
20	Availability of splicing factors in the nucleoplasm can regulate the release of mRNA from the gene after transcription. PLoS Genetics, 2019, 15, e1008459.	3.5	29
21	Phospho-Tau Impairs Nuclear-Cytoplasmic Transport. ACS Chemical Neuroscience, 2019, 10, 36-38.	3.5	12
22	Yeast and Human Nuclear Pore Complexes: Not So Similar After All. Trends in Cell Biology, 2018, 28, 589-591.	7.9	5
23	S-phase transcriptional buffering quantified on two different promoters. Life Science Alliance, 2018, 1, e201800086.	2.8	5
24	Visualizing Nuclear RNA Editing. Trends in Biochemical Sciences, 2017, 42, 845-847.	7.5	0
25	Visualizing nuclear RNAi activity in single living human cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8837-E8846.	7.1	10
26	Measuring transcription dynamics in living cells using a photobleaching approach. Methods, 2017, 120, 58-64.	3.8	4
27	mRNPs meet stress granules. FEBS Letters, 2017, 591, 2534-2542.	2.8	25
28	Mutations in S-adenosylhomocysteine hydrolase (AHCY) affect its nucleocytoplasmic distribution and capability to interact with S-adenosylhomocysteine hydrolase-like 1 protein. European Journal of Cell Biology, 2017, 96, 579-590.	3.6	17
29	CD-tagging-MS2: detecting allelic expression of endogenous mRNAs and their protein products in single cells. Biology Methods and Protocols, 2017, 2, bpx004.	2.2	11
30	De-novo protein function prediction using DNA binding and RNA binding proteins as a test case. Nature Communications, 2016, 7, 13424.	12.8	22
31	Dynamic Encounters of Genes and Transcripts with the Nuclear Pore. Trends in Genetics, 2016, 32, 419-431.	6.7	16
32	FRET energy transfer via Pdots improves the efficiency of photodynamic therapy and leads to rapid cell death. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 123-131.	3.8	7
33	The stress-inducible transcription factor ATF4 accumulates at specific rRNA-processing nucleolar regions after proteasome inhibition. European Journal of Cell Biology, 2016, 95, 389-400.	3.6	5
34	Dynamics and Transport of Nuclear RNA. , 2016, , 491-513.		1
35	A hydrothermal reaction of an aqueous solution of BSA yields highly fluorescent N doped C-dots used for imaging of live mammalian cells. Journal of Materials Chemistry B, 2016, 4, 2913-2920.	5.8	45
36	Methods for visualizing RNA in cells, tissues and whole organisms. Methods, 2016, 98, 1-3.	3.8	2

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37	Exploring chromatin organization mechanisms through its dynamic properties. Nucleus, 2016, 7, 27-33.	2.2	63
38	Quantifying Î²-catenin subcellular dynamics and cyclin D1 mRNA transcription during Wnt signaling in single living cells. ELife, 2016, 5, .	6.0	58
39	Single-site transcription rates through fitting of ensemble-averaged data from fluorescence recovery after photobleaching: A fat-tailed distribution. Physical Review E, 2015, 92, 032715.	2.1	8
40	The proteolysis adaptor, NblA, is essential for degradation of the core pigment of the cyanobacterial lightâ€harvesting complex. Plant Journal, 2015, 83, 845-852.	5.7	27
41	Cellular Levels of Signaling Factors Are Sensed by Î²-actin Alleles to Modulate Transcriptional Pulse Intensity. Cell Reports, 2015, 11, 419-432.	6.4	41
42	The proteolysis adaptor, <scp>N</scp>bl<scp>A</scp>, initiates protein pigment degradation by interacting with the cyanobacterial lightâ€harvesting complexes. Plant Journal, 2014, 79, 118-126.	5.7	22
43	Detection of cyclin D1 mRNA by hybridization sensitive NICâ€“oligonucleotide probe. Bioorganic and Medicinal Chemistry, 2014, 22, 2613-2621.	3.0	9
44	Development of fluorescent double-strand probes labeled with 8-(p-CF3-cinnamyl)-adenosine for the detection of cyclin D1 breast cancer marker. European Journal of Medicinal Chemistry, 2014, 79, 77-88.	5.5	5
45	Quantifying mRNA targeting to P bodies in living human cells reveals a dual role in mRNA decay and storage. Journal of Cell Science, 2014, 127, 4443-56.	2.0	106
46	Quantifying the Ratio of Spliceosome Components Assembled on Pre-mRNA. Methods in Molecular Biology, 2014, 1126, 257-269.	0.9	3
47	Resolving the spatial relationship between intracellular components by dual color super resolution optical fluctuations imaging (SOFI). Optical Nanoscopy, 2013, 2, .	4.0	20
48	The dynamic pathway of nuclear RNA in eukaryotes. Nucleus, 2013, 4, 195-205.	2.2	13
49	Zooming in on single active genes in living mammalian cells. Histochemistry and Cell Biology, 2013, 140, 71-79.	1.7	6
50	Single mRNP Tracking in Living Mammalian Cells. Methods in Molecular Biology, 2013, 1042, 87-99.	0.9	4
51	Proteinaceous microspheres for targeted RNA delivery prepared by an ultrasonic emulsification method. Journal of Materials Chemistry B, 2013, 1, 82-90.	5.8	16
52	Acting on impulse: dissecting the dynamics of the NFAT transcriptional response. Genome Biology, 2013, 14, 102.	9.6	6
53	Quantifying the transcriptional output of single alleles in single living mammalian cells. Nature Protocols, 2013, 8, 393-408.	12.0	27
54	Detection of mRNA of the Cyclin D1 Breast Cancer Marker by a Novel Duplex-DNA Probe. Journal of Medicinal Chemistry, 2013, 56, 4860-4869.	6.4	14

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55	The nuclear cap-binding complex interacts with the U4/U6Â·U5 tri-snRNP and promotes spliceosome assembly in mammalian cells. Rna, 2013, 19, 1054-1063.	3.5	65
56	The P Body Protein Dcp1a Is Hyper-phosphorylated during Mitosis. PLoS ONE, 2013, 8, e49783.	2.5	52
57	Nuclear biology: making sense of complex processes. Molecular Biology of the Cell, 2012, 23, 976-976.	2.1	0
58	Measuring the Kinetics of mRNA Transcription in Single Living Cells. Journal of Visualized Experiments, 2011, , e2898.	0.3	4
59	A transgenic mouse for in vivo detection of endogenous labeled mRNA. Nature Methods, 2011, 8, 165-170.	19.0	340
60	Sonochemical Synthesis of DNA Nanospheres. ChemBioChem, 2011, 12, 1678-1681.	2.6	32
61	Transcription and splicing. Transcription, 2011, 2, 216-220.	3.1	18
62	The dynamics of the alternatively spliced NOL7 gene products and role in nucleolar architecture. Nucleus, 2011, 2, 229-245.	2.2	5
63	The Dbp5 cycle at the nuclear pore complex during mRNA export I: dbp5 mutants with defects in RNA binding and ATP hydrolysis define key steps for Nup159 and Gle1. Genes and Development, 2011, 25, 1052-1064.	5.9	99
64	The In Vivo Kinetics of RNA Polymerase II Elongation during Co-Transcriptional Splicing. PLoS Biology, 2011, 9, e1000573.	5.6	171
65	Imaging mRNAs in Living Mammalian Cells. Methods in Molecular Biology, 2011, 714, 249-263.	0.9	3
66	Dynamics and kinetics of nucleoâ€cytoplasmic mRNA export. Wiley Interdisciplinary Reviews RNA, 2010, 1, 388-401.	6.4	15
67	Dynamics of single mRNP nucleocytoplasmic transport and export through the nuclear pore in living cells. Nature Cell Biology, 2010, 12, 543-552.	10.3	230
68	Single-allele analysis of transcription kinetics in living mammalian cells. Nature Methods, 2010, 7, 631-633.	19.0	155
69	The differential interaction of snRNPs with pre-mRNA reveals splicing kinetics in living cells. Journal of Cell Biology, 2010, 191, 75-86.	5.2	87
70	The life of an mRNA in space and time. Journal of Cell Science, 2010, 123, 1761-1774.	2.0	112
71	On the right track. Nucleus, 2010, 1, 492-498.	2.2	7
72	Binding properties and dynamic localization of an alternative isoform of the cap-binding complex subunit CBP20. Nucleus, 2010, 1, 412-421.	2.2	17

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73	Incomplete T-cell receptorâ€“Î² peptides target the mitochondrion and induce apoptosis. Blood, 2009, 113, 3530-3541.	1.4	10
74	Single-molecule dynamics of nuclear mRNA. F1000 Biology Reports, 2009, 1, 29.	4.0	11
75	Visualizing transcription in real-time. Open Life Sciences, 2008, 3, 11-18.	1.4	2
76	Intracellular trafficking and dynamics of P bodies. Prion, 2008, 2, 131-134.	1.8	30
77	The Dynamics of Mammalian P Body Transport, Assembly, and Disassembly In Vivo. Molecular Biology of the Cell, 2008, 19, 4154-4166.	2.1	208
78	In vivo dynamics of RNA polymerase II transcription. Nature Structural and Molecular Biology, 2007, 14, 796-806.	8.2	603
79	The living test-tube: imaging of real-time gene expression. Soft Matter, 2006, 2, 361.	2.7	9
80	Gene expression within a dynamic nuclear landscape. EMBO Journal, 2006, 25, 3469-3479.	7.8	30
81	Assembling an intermediate filament network by dynamic cotranslation. Journal of Cell Biology, 2006, 172, 747-758.	5.2	74
82	Stepwise RNP assembly at the site of H/ACA RNA transcription in human cells. Journal of Cell Biology, 2006, 173, 207-218.	5.2	161
83	Dynamics of transcription and mRNA export. Current Opinion in Cell Biology, 2005, 17, 332-339.	5.4	45
84	RNA localization. Journal of Cell Science, 2005, 118, 4077-4081.	2.0	69
85	Dynamic Sorting of Nuclear Components into Distinct Nucleolar Caps during Transcriptional Inhibition. Molecular Biology of the Cell, 2005, 16, 2395-2413.	2.1	304
86	Dynamics of Single mRNPs in Nuclei of Living Cells. Science, 2004, 304, 1797-1800.	12.6	476
87	Imaging gene expression in single living cells. Nature Reviews Molecular Cell Biology, 2004, 5, 855-862.	37.0	105
88	From Silencing to Gene Expression. Cell, 2004, 116, 683-698.	28.9	658
89	The Mesenchymal Stroma Negatively Regulates B Cell Lymphopoiesis through the Expression of Activin A. Annals of the New York Academy of Sciences, 2003, 996, 245-260.	3.8	20
90	PSF and p54nrb/NonO - multi-functional nuclear proteins. FEBS Letters, 2002, 531, 109-114.	2.8	296

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91	The mesenchyme expresses T cell receptor mRNAs: relevance to cell growth control. Oncogene, 2002, 21, 2029-2036.	5.9	20
92	The Role of Activin A in Regulation of Hemopoiesis. Stem Cells, 2002, 20, 493-500.	3.2	66
93	Reorganization of nuclear factors during myeloid differentiation. Journal of Cellular Biochemistry, 2001, 81, 379-392.	2.6	20
94	Nuclear Relocalization of the Pre-mRNA Splicing Factor PSF during Apoptosis Involves Hyperphosphorylation, Masking of Antigenic Epitopes, and Changes in Protein Interactions. Molecular Biology of the Cell, 2001, 12, 2328-2340.	2.1	52
95	Enhanced proteolysis of pre-mRNA splicing factors in myeloid cells. Experimental Hematology, 2000, 28, 1029-1038.	0.4	18
96	Adhesion molecules involved in the interactions between early T cells and mesenchymal bone marrow stromal cells. Experimental Hematology, 1999, 27, 834-844.	0.4	38
97	The Plasmacytoma Growth Inhibitor Restrictin-P Is an Antagonist of Interleukin 6 and Interleukin 11. Journal of Biological Chemistry, 1995, 270, 29594-29600.	3.4	88
98	Dissecting Cellular Activity from Single Genes to Single mRNAs. , 0, , 29-39.		0