

# Pascal Chartrand

## List of Publications by Year in descending order

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56  
papers

4,911  
citations

159585

30  
h-index

155660

55  
g-index

60  
all docs

60  
docs citations

60  
times ranked

5332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Localization of ASH1 mRNA Particles in Living Yeast. <i>Molecular Cell</i> , 1998, 2, 437-445.	9.7	1,475
2	An E2F/miR-20a Autoregulatory Feedback Loop. <i>Journal of Biological Chemistry</i> , 2007, 282, 2135-2143.	3.4	521
3	Telomeric Noncoding RNA TERRA Is Induced by Telomere Shortening to Nucleate Telomerase Molecules at Short Telomeres. <i>Molecular Cell</i> , 2013, 51, 780-791.	9.7	196
4	Structural elements required for the localization of ASH1 mRNA and of a green fluorescent protein reporter particle in vivo. <i>Current Biology</i> , 1999, 9, 333-338.	3.9	183
5	Telomeric repeat-containing RNA TERRA: a noncoding RNA connecting telomere biology to genome integrity. <i>Frontiers in Genetics</i> , 2015, 6, 143.	2.3	157
6	Identification of Hammerhead Ribozymes in All Domains of Life Reveals Novel Structural Variations. <i>PLoS Computational Biology</i> , 2011, 7, e1002031.	3.2	124
7	Minimum ribonucleotide requirement for catalysis by the RNA hammerhead domain. <i>Biochemistry</i> , 1992, 31, 5005-5009.	2.5	121
8	Local Activation of Yeast ASH1 mRNA Translation through Phosphorylation of Khd1p by the Casein Kinase Yck1p. <i>Molecular Cell</i> , 2007, 26, 795-809.	9.7	119
9	Asymmetric Sorting of Ash1p in Yeast Results from Inhibition of Translation by Localization Elements in the mRNA. <i>Molecular Cell</i> , 2002, 10, 1319-1330.	9.7	116
10	Regulation of chronological aging in <i>Schizosaccharomyces pombe</i> by the protein kinases Pka1 and Sck2. <i>Aging Cell</i> , 2006, 5, 345-357.	6.7	110
11	Live Cell Imaging of Telomerase RNA Dynamics Reveals Cell Cycle-Dependent Clustering of Telomerase at Elongating Telomeres. <i>Molecular Cell</i> , 2011, 44, 819-827.	9.7	103
12	Local regulation of mRNA translation: new insights from the bud. <i>Trends in Cell Biology</i> , 2008, 18, 105-111.	7.9	97
13	TLC1 RNA nucleo-cytoplasmic trafficking links telomerase biogenesis to its recruitment to telomeres. <i>EMBO Journal</i> , 2008, 27, 748-757.	7.8	95
14	The hammerhead RNA domain, a model ribozyme. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993, 1216, 345-359.	2.4	92
15	Identification of a Conserved RNA Motif Essential for She2p Recognition and mRNA Localization to the Yeast Bud. <i>Molecular and Cellular Biology</i> , 2005, 25, 4752-4766.	2.3	89
16	Pro-Aging Effects of Glucose Signaling through a G Protein-Coupled Glucose Receptor in Fission Yeast. <i>PLoS Genetics</i> , 2009, 5, e1000408.	3.5	89
17	An Exclusively Nuclear RNA-Binding Protein Affects Asymmetric Localization of ASH1 mRNA and Ash1p in Yeast. <i>Journal of Cell Biology</i> , 2001, 153, 307-318.	5.2	87
18	Mutually Exclusive Binding of Telomerase RNA and DNA by Ku Alters Telomerase Recruitment Model. <i>Cell</i> , 2012, 148, 922-932.	28.9	81

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19	RNP Localization and Transport in Yeast. Annual Review of Cell and Developmental Biology, 2001, 17, 297-310.	9.4	77
20	Fission Yeast and Other Yeasts as Emergent Models to Unravel Cellular Aging in Eukaryotes. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 1-8.	3.6	67
21	The Role of Nuclear Cap Binding Protein Cbc1p of Yeast in mRNA Termination and Degradation. Molecular and Cellular Biology, 2000, 20, 2827-2838.	2.3	66
22	The odyssey of a regulated transcript. Rna, 2000, 6, 1773-1780.	3.5	65
23	Stochastic and reversible aggregation of mRNA with expanded CUG-triplet repeats. Journal of Cell Science, 2011, 124, 1703-1714.	2.0	65
24	Nuclear Shuttling of She2p Couples <i>ASH1</i> mRNA Localization to its Translational Repression by Recruiting Loc1p and Puf6p. Molecular Biology of the Cell, 2009, 20, 2265-2275.	2.1	62
25	Using Fluorescent Proteins to Study mRNA Trafficking in Living Cells. Methods in Cell Biology, 2008, 85, 273-292.	1.1	61
26	Cotranscriptional recruitment of She2p by RNA pol II elongation factor Spt4/Spt5/DSIF promotes mRNA localization to the yeast bud. Genes and Development, 2010, 24, 1914-1926.	5.9	61
27	[33] Sensitive and high-resolution detection of RNA in situ. Methods in Enzymology, 2000, 318, 493-506.	1.0	51
28	Single-Molecule Imaging of Telomerase RNA Reveals a Recruitment-Retention Model for Telomere Elongation. Molecular Cell, 2020, 79, 115-126.e6.	9.7	42
29	Designing small multiple-target artificial RNAs. Nucleic Acids Research, 2010, 38, e140-e140.	14.5	36
30	Effect of Structural Modifications on the Activity of the Leadzyme. Biochemistry, 1997, 36, 3145-3150.	2.5	32
31	Telomerase biogenesis: The long road before getting to the end. RNA Biology, 2008, 5, 212-215.	3.1	31
32	An oligodeoxyribonucleotide that supports catalytic activity in the hammerhead ribozyme domain. Nucleic Acids Research, 1995, 23, 4092-4096.	14.5	28
33	Telomeric noncoding RNA: telomeric repeat-containing RNA in telomere biology. Wiley Interdisciplinary Reviews RNA, 2014, 5, 407-419.	6.4	28
34	Modeling active RNA structures using the intersection of conformational space: Application to the lead-activated ribozyme. Rna, 1998, 4, 739-749.	3.5	27
35	Smc5/6 Is a Telomere-Associated Complex that Regulates Sir4 Binding and TPE. PLoS Genetics, 2016, 12, e1006268.	3.5	26
36	TERRA, a Multifaceted Regulator of Telomerase Activity at Telomeres. Journal of Molecular Biology, 2020, 432, 4232-4243.	4.2	25

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37	Control of cytoplasmic mRNA localization. Cellular and Molecular Life Sciences, 2012, 69, 535-552.	5.4	24
38	Co-transcriptional recruitment of Puf6 by She2 couples translational repression to mRNA localization. Nucleic Acids Research, 2014, 42, 8692-8704.	14.5	22
39	RNA fluorescence in situ hybridization for high-content screening. Methods, 2017, 126, 149-155.	3.8	22
40	A screen for genes involved in respiration control and longevity in <i>Schizosaccharomyces pombe</i> . Annals of the New York Academy of Sciences, 2010, 1197, 19-27.	3.8	18
41	Live-cell imaging reveals the dynamics and function of single-telomere TERRA molecules in cancer cells. RNA Biology, 2018, 15, 1-10.	3.1	17
42	The Principal Role of Ku in Telomere Length Maintenance Is Promotion of Est1 Association with Telomeres. Genetics, 2014, 197, 1123-1136.	2.9	16
43	Cell cycle-dependent spatial segregation of telomerase from sites of DNA damage. Journal of Cell Biology, 2017, 216, 2355-2371.	5.2	13
44	Induction and relocalization of telomeric repeat-containing RNAs during diauxic shift in budding yeast. Current Genetics, 2018, 64, 1117-1127.	1.7	11
45	Cotranscriptional assembly of mRNP complexes that determine the cytoplasmic fate of mRNA. Transcription, 2011, 2, 86-90.	3.1	10
46	Protrusion-localized STAT3 mRNA promotes metastasis of highly metastatic hepatocellular carcinoma cells in vitro. Acta Pharmacologica Sinica, 2016, 37, 805-813.	6.1	9
47	Live-cell imaging of budding yeast telomerase RNA and TERRA. Methods, 2017, 114, 46-53.	3.8	7
48	Imaging of Telomerase RNA by Single-Molecule Inexpensive FISH Combined with Immunofluorescence. STAR Protocols, 2020, 1, 100104.	1.2	5
49	Visualizing mRNAs in Fixed and Living Yeast Cells. Methods in Molecular Biology, 2011, 714, 203-219.	0.9	5
50	Telomerase caught in the act. RNA Biology, 2012, 9, 1139-1143.	3.1	4
51	Knowing when to let go. Nature Structural and Molecular Biology, 2005, 12, 1026-1027.	8.2	2
52	Special focus on telomeres and telomerase. RNA Biology, 2016, 13, 681-682.	3.1	2
53	Quantitative Imaging of MS2-Tagged hTR in Cajal Bodies: Photobleaching and Photoactivation. STAR Protocols, 2020, 1, 100112.	1.2	2
54	Editorial: RNA Regulation in Development and Disease. Frontiers in Genetics, 2020, 11, 430.	2.3	1

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55	Telomerase RNA Imaging in Budding Yeast and Human Cells by Fluorescent In Situ Hybridization. <i>Methods in Molecular Biology</i> , 2018, 1672, 387-402.	0.9	0
56	A single-molecule view of telomerase regulation at telomeres. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1818537.	0.7	0