

Michel Charbonneau

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The onset of activation responsiveness during maturation coincides with the formation of the cortical endoplasmic reticulum in oocytes of <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 1984, 102, 90-97.	2.0	120
2	Cdc13 Cooperates with the Yeast Ku Proteins and Stn1 To Regulate Telomerase Recruitment. <i>Molecular and Cellular Biology</i> , 2000, 20, 8397-8408.	2.3	100
3	A requirement for protein phosphorylation in regulating the meiotic and mitotic cell cycles in echinoderms. <i>Developmental Biology</i> , 1989, 132, 304-314.	2.0	49
4	The Rad51 Pathway of Telomerase-Independent Maintenance of Telomeres Can Amplify TG1-3 Sequences in <i>yku</i> and <i>cdc13</i> Mutants of <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2003, 23, 3721-3734.	2.3	43
5	Genetic Inactivation of <i>ATRXL</i> Leads to a Decrease in the Amount of Telomeric Cohesin and Level of Telomere Transcription in Human Glioma Cells. <i>Molecular and Cellular Biology</i> , 2015, 35, 2818-2830.	2.3	41
6	Protection against chromosome degradation at the telomeres. <i>Biochimie</i> , 2008, 90, 41-59.	2.6	38
7	Anuran fertilization: a morphological reinvestigation of some early events. <i>Journal of Ultrastructure Research</i> , 1982, 81, 306-321.	1.1	37
8	Activation of Mrc1, a mediator of the replication checkpoint, by telomere erosion. <i>Biology of the Cell</i> , 2005, 97, 799-814.	2.0	32
9	Mitotic Cyclins Regulate Telomeric Recombination in Telomerase-Deficient Yeast Cells. <i>Molecular and Cellular Biology</i> , 2003, 23, 9162-9177.	2.3	27
10	Control of the yeast telomeric senescence survival pathways of recombination by the Mec1 and Mec3 DNA damage sensors and RPA. <i>Nucleic Acids Research</i> , 2007, 35, 822-838.	14.5	27
11	Telomerase- and Rad52-Independent Immortalization of Budding Yeast by an Inherited-Long-Telomere Pathway of Telomeric Repeat Amplification. <i>Molecular and Cellular Biology</i> , 2009, 29, 965-985.	2.3	25
12	Intracellular pH and the increase in protein synthesis accompanying activation of <i>Xenopus</i> eggs. <i>Biology of the Cell</i> , 1989, 67, 321-330.	2.0	22
13	Mrc1, a non-essential DNA replication protein, is required for telomere end protection following loss of capping by Cdc13, Yku or telomerase. <i>Molecular Genetics and Genomics</i> , 2007, 277, 685-699.	2.1	22
14	Detection of the alternative lengthening of telomeres pathway in malignant gliomas for improved molecular diagnosis. <i>Journal of Neuro-Oncology</i> , 2017, 135, 381-390.	2.9	21
15	Weak bases inhibit cleavage and embryogenesis in amphibians and echinoderms. <i>Cell Differentiation</i> , 1987, 20, 33-44.	0.4	17
16	Measurement of Telomere Length in Colorectal Cancers for Improved Molecular Diagnosis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1871.	4.1	16
17	External Na ⁺ inhibits Ca ²⁺ -ionophore activation of <i>Xenopus</i> eggs. <i>Developmental Biology</i> , 1985, 108, 369-376.	2.0	15
18	Inhibition of the activation reaction of <i>Xenopus laevis</i> eggs by the lectins WGA and SBA. <i>Developmental Biology</i> , 1986, 114, 347-360.	2.0	14

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19	The egg of <i>Xenopus laevis</i> : A model system for studying cell activation. <i>Cell Differentiation and Development</i> , 1989, 28, 71-93.	0.4	13
20	A Freeze-Fracture Study of the Cortex of <i>Xenopus laevis</i> Eggs. (amphibian egg/cortical endoplasmic) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> <i>Differentiation</i> , 1986, 28, 75-84.	1.5	10
21	Changes in intracellular pH following egg activation and during the early cell cycle of the amphibian <i>Pleurodeles waltlii</i> , coincide with changes in MPF activity. <i>Biology of the Cell</i> , 1991, 72, 259-267.	2.0	9
22	Budding yeast 14-3-3 proteins contribute to the robustness of the DNA damage and spindle checkpoints. <i>Cell Cycle</i> , 2008, 7, 2749-2761.	2.6	9
23	Weak bases mimic the fertilization-associated chloride conductance increase and induce morphological changes in the cortex of <i>Xenopus laevis</i> eggs. <i>Cell Differentiation and Development</i> , 1989, 26, 39-51.	0.4	8
24	Changes in intracellular free calcium activity in <i>Xenopus</i> eggs following imposed intracellular pH changes using weak acids and weak bases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1991, 1091, 242-250.	4.1	8
25	The level of activity of the alternative lengthening of telomeres correlates with patient age in IDH-mutant ATRX-loss-of-expression anaplastic astrocytomas. <i>Acta Neuropathologica Communications</i> , 2019, 7, 175.	5.2	8
26	The telomeric Cdc13â€“Stn1â€“Ten1 complex regulates RNA polymerase II transcription. <i>Nucleic Acids Research</i> , 2019, 47, 6250-6268.	14.5	8
27	The organization of the cortical endoplasmic reticulum in <i>Xenopus</i> eggs depends on intracellular pH: artefact of fixation or not?. <i>Cell Differentiation and Development</i> , 1990, 30, 171-179.	0.4	5
28	A hypothesis on p34cdc2 sequestration based on the existence of Ca ²⁺ -coordinated changes in H ⁺ and MPF activities during pus egg activation. <i>Biology of the Cell</i> , 1992, 75, 165-172.	2.0	5
29	Multiple activation currents can be evoked in <i>Xenopus laevis</i> eggs when cortical granule exocytosis is inhibited by weak bases. <i>Pflugers Archiv European Journal of Physiology</i> , 1986, 407, 370-376.	2.8	4
30	Genetic and Physical Interactions between Tel2 and the Med15 Mediator Subunit in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2012, 7, e30451.	2.5	4
31	RPA provides checkpoint-independent cell cycle arrest and prevents recombination at uncapped telomeres of <i>Saccharomyces cerevisiae</i> . <i>DNA Repair</i> , 2013, 12, 212-226.	2.8	3
32	Patterns of protein synthesis during <i>Xenopus</i> oocyte maturation differ according to the type of stimulation. <i>Cell Differentiation and Development</i> , 1990, 31, 197-206.	0.4	2
33	Polysaccharide Complexes in Full-Grown Oocytes of the Newt, <i>Pleurodeles</i> , and Changes in their Distribution During Progesterone-Induced Maturation. (glycogen granules/oocyte) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td</i> <i>1985. 27. 763-775.</i>	1.5	1
34	Mac1, a fission yeast transmembrane protein localizing to the poles and septum, is required for correct cell separation at high temperatures. <i>Biology of the Cell</i> , 2002, 94, 127-137.	2.0	1
35	Rvb2/reptin physically associates with telomerase in budding yeast. <i>FEBS Letters</i> , 2011, 585, 3890-3897.	2.8	1
36	Inhibition of the alternative lengthening of telomeres pathway by subtelomeric sequences in <i>Saccharomyces cerevisiae</i> . <i>DNA Repair</i> , 2020, 96, 102996.	2.8	1

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37	Mec1-Dependent Phosphorylation of the Scc3 Subunit of Cohesin during Mitosis in Budding Yeast. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2015, 06, 153-163.	0.7	1