

# Benoit Chabot

## List of Publications by Citations

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92  
papers

8,366  
citations

46  
h-index

91  
g-index

96  
ext. papers

9,228  
ext. citations

10.4  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
92	The proto-oncogene c-kit encoding a transmembrane tyrosine kinase receptor maps to the mouse W locus. <i>Nature</i> , <b>1988</b> , 335, 88-9	50.4	1161
91	U2 as well as U1 small nuclear ribonucleoproteins are involved in premessenger RNA splicing. <i>Cell</i> , <b>1985</b> , 42, 737-50	56.2	599
90	Expression of c-kit gene products in known cellular targets of W mutations in normal and W mutant mice--evidence for an impaired c-kit kinase in mutant mice. <i>Genes and Development</i> , <b>1989</b> , 3, 816-26	12.6	383
89	Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. <i>Molecular Cell</i> , <b>2007</b> , 27, 262-274	17.6	348
88	The 3Tsplice site of pre-messenger RNA is recognized by a small nuclear ribonucleoprotein. <i>Science</i> , <b>1985</b> , 230, 1344-9	33.3	331
87	Cancer-associated regulation of alternative splicing. <i>Nature Structural and Molecular Biology</i> , <b>2009</b> , 16, 670-6	17.6	282
86	A splicing enhancer in the human fibronectin alternate ED1 exon interacts with SR proteins and stimulates U2 snRNP binding. <i>Genes and Development</i> , <b>1993</b> , 7, 2405-17	12.6	269
85	hnRNP proteins and splicing control. <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 623, 123-47	3.6	262
84	Control of alternative splicing through siRNA-mediated transcriptional gene silencing. <i>Nature Structural and Molecular Biology</i> , <b>2009</b> , 16, 717-24	17.6	261
83	Telomere elongation by hnRNP A1 and a derivative that interacts with telomeric repeats and telomerase. <i>Nature Genetics</i> , <b>1998</b> , 19, 199-202	36.3	245
82	Directing alternative splicing: cast and scenarios. <i>Trends in Genetics</i> , <b>1996</b> , 12, 472-8	8.5	181
81	The A1 and A1B proteins of heterogeneous nuclear ribonucleoparticles modulate 5Tsplice site selection in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 6924-8	11.5	181
80	Heterogeneous nuclear ribonucleoprotein F/H proteins modulate the alternative splicing of the apoptotic mediator Bcl-x. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 22641-50	5.4	168
79	Intronic binding sites for hnRNP A/B and hnRNP F/H proteins stimulate pre-mRNA splicing. <i>PLoS Biology</i> , <b>2006</b> , 4, e21	9.7	166
78	Modulation of exon skipping by high-affinity hnRNP A1-binding sites and by intron elements that repress splice site utilization. <i>EMBO Journal</i> , <b>1999</b> , 18, 1939-52	13	155
77	Defective control of pre-messenger RNA splicing in human disease. <i>Journal of Cell Biology</i> , <b>2016</b> , 212, 13-27	7.3	143
76	Identification of alternative splicing markers for breast cancer. <i>Cancer Research</i> , <b>2008</b> , 68, 9525-31	10.1	139

75	Multiple alternative splicing markers for ovarian cancer. <i>Cancer Research</i> , <b>2008</b> , 68, 657-63	10.1	126
74	Multiple and specific mRNA processing targets for the major human hnRNP proteins. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 6033-43	4.8	123
73	Small interfering RNA-mediated reduction in heterogeneous nuclear ribonucleoparticule A1/A2 proteins induces apoptosis in human cancer cells but not in normal mortal cell lines. <i>Cancer Research</i> , <b>2003</b> , 63, 7679-88	10.1	117
72	Structural basis of G-tract recognition and encaging by hnRNP F quasi-RRMs. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 853-61	17.6	112
71	RBFOX2 is an important regulator of mesenchymal tissue-specific splicing in both normal and cancer tissues. <i>Molecular and Cellular Biology</i> , <b>2013</b> , 33, 396-405	4.8	98
70	A proteomic approach to the identification of heterogeneous nuclear ribonucleoproteins as a new family of poly(ADP-ribose)-binding proteins. <i>Biochemical Journal</i> , <b>2003</b> , 371, 331-40	3.8	94
69	PRPF mutations are associated with generalized defects in spliceosome formation and pre-mRNA splicing in patients with retinitis pigmentosa. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 2116-30	5.6	92
68	MBNL1 and RBFOX2 cooperate to establish a splicing programme involved in pluripotent stem cell differentiation. <i>Nature Communications</i> , <b>2013</b> , 4, 2480	17.4	89
67	The RNA Splicing Response to DNA Damage. <i>Biomolecules</i> , <b>2015</b> , 5, 2935-77	5.9	89
66	Introns within ribosomal protein genes regulate the production and function of yeast ribosomes. <i>Cell</i> , <b>2011</b> , 147, 320-31	56.2	88
65	Proteins associated with the exon junction complex also control the alternative splicing of apoptotic regulators. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 954-67	4.8	85
64	The emerging role of alternative splicing in senescence and aging. <i>Aging Cell</i> , <b>2017</b> , 16, 918-933	9.9	83
63	Deletion of many yeast introns reveals a minority of genes that require splicing for function. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 1932-41	3.5	78
62	Alternative splicing of SYK regulates mitosis and cell survival. <i>Nature Structural and Molecular Biology</i> , <b>2011</b> , 18, 673-9	17.6	74
61	High-affinity hnRNP A1 binding sites and duplex-forming inverted repeats have similar effects on 5T splice site selection in support of a common looping out and repression mechanism. <i>Rna</i> , <b>2002</b> , 8, 1078-89	5.8	68
60	Heterogeneous nuclear ribonucleoprotein A1 and UP1 protect mammalian telomeric repeats and modulate telomere replication in vitro. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 14509-16	5.4	66
59	TDP-43 regulates the alternative splicing of hnRNP A1 to yield an aggregation-prone variant in amyotrophic lateral sclerosis. <i>Brain</i> , <b>2018</b> , 141, 1320-1333	11.2	61
58	Small-molecule inhibition of HIV pre-mRNA splicing as a novel antiretroviral therapy to overcome drug resistance. <i>PLoS Pathogens</i> , <b>2007</b> , 3, 1530-9	7.6	61

57	Heterogeneous nuclear ribonucleoprotein K represses the production of pro-apoptotic Bcl-xS splice isoform. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 21458-67	5.4	60
56	Distinct sets of adjacent heterogeneous nuclear ribonucleoprotein (hnRNP) A1/A2 binding sites control 5Tsplice site selection in the hnRNP A1 mRNA precursor. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 29745-52	5.4	60
55	Protein kinase C-dependent control of Bcl-x alternative splicing. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 8431-41	4.8	58
54	Antagonistic effects of the SRp30c protein and cryptic 5Tsplice sites on the alternative splicing of the apoptotic regulator Bcl-x. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 21315-24	5.4	57
53	R2TP/Prefoldin-like component RUVBL1/RUVBL2 directly interacts with ZNHIT2 to regulate assembly of U5 small nuclear ribonucleoprotein. <i>Nature Communications</i> , <b>2017</b> , 8, 15615	17.4	56
52	Anticancer drugs affect the alternative splicing of Bcl-x and other human apoptotic genes. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 1398-409	6.1	55
51	Reprogramming alternative pre-messenger RNA splicing through the use of protein-binding antisense oligonucleotides. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 50031-9	5.4	53
50	Regulated Intron Retention and Nuclear Pre-mRNA Decay Contribute to PABPN1 Autoregulation. <i>Molecular and Cellular Biology</i> , <b>2015</b> , 35, 2503-17	4.8	51
49	SRp30c is a repressor of 3Tsplice site utilization. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 4001-10	4.8	51
48	hnRNP A1 and hnRNP H can collaborate to modulate 5Tsplice site selection. <i>Rna</i> , <b>2010</b> , 16, 228-38	5.8	46
47	A late role for the association of hnRNP A2 with the HIV-1 hnRNP A2 response elements in genomic RNA, Gag, and Vpr localization. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 44141-53	5.4	46
46	The nuclear matrix phosphoprotein p255 associates with splicing complexes as part of the [U4/U6.U5] tri-snRNP particle. <i>Nucleic Acids Research</i> , <b>1995</b> , 23, 3206-13	20.1	43
45	SRSF10 Connects DNA Damage to the Alternative Splicing of Transcripts Encoding Apoptosis, Cell-Cycle Control, and DNA Repair Factors. <i>Cell Reports</i> , <b>2016</b> , 17, 1990-2003	10.6	42
44	TCERG1 regulates alternative splicing of the Bcl-x gene by modulating the rate of RNA polymerase II transcription. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 751-62	4.8	42
43	Tumor microenvironment-associated modifications of alternative splicing. <i>Rna</i> , <b>2014</b> , 20, 189-201	5.8	40
42	Cancer-Associated Perturbations in Alternative Pre-messenger RNA Splicing. <i>Cancer Treatment and Research</i> , <b>2013</b> , 158, 41-94	3.5	40
41	A human RNA polymerase II-containing complex associated with factors necessary for spliceosome assembly. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 9302-6	5.4	40
40	Differential effects of hnRNP D/AUF1 isoforms on HIV-1 gene expression. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 3663-75	20.1	39

39	hnRNP I/PTB can antagonize the splicing repressor activity of SRp30c. <i>Rna</i> , <b>2007</b> , 13, 1287-300	5.8	39
38	The DNA damage response pathway regulates the alternative splicing of the apoptotic mediator Bcl-x. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 331-40	5.4	38
37	Modern origin of numerous alternatively spliced human introns from tandem arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 882-6	11.5	38
36	Human Tra2 proteins jointly control a CHEK1 splicing switch among alternative and constitutive target exons. <i>Nature Communications</i> , <b>2014</b> , 5, 4760	17.4	35
35	Next-generation biobanking of metastases to enable multidimensional molecular profiling in personalized medicine. <i>Modern Pathology</i> , <b>2013</b> , 26, 1413-24	9.8	31
34	Staufen1 Regulates Multiple Alternative Splicing Events either Positively or Negatively in DM1 Indicating Its Role as a Disease Modifier. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1005827	6	30
33	Role of the splicing factor SRSF4 in cisplatin-induced modifications of pre-mRNA splicing and apoptosis. <i>BMC Cancer</i> , <b>2015</b> , 15, 227	4.8	29
32	RBFOX1 cooperates with MBNL1 to control splicing in muscle, including events altered in myotonic dystrophy type 1. <i>PLoS ONE</i> , <b>2014</b> , 9, e107324	3.7	27
31	Redirecting splicing with bifunctional oligonucleotides. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, e40	20.1	25
30	A Function for the hnRNP A1/A2 Proteins in Transcription Elongation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126654	3.7	25
29	A novel mutation in the neurofibromatosis type 1 (NF1) gene promotes skipping of two exons by preventing exon definition. <i>Journal of Molecular Biology</i> , <b>2001</b> , 307, 1261-70	6.5	24
28	Dimethyl sulfoxide affects the selection of splice sites. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 17597-602	5.0	23
27	The U1 small nuclear ribonucleoprotein/5Tsplice site interaction affects U2AF65 binding to the downstream 3Tsplice site. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 4031-6	5.4	23
26	hnRNP A1/A2 and Sam68 collaborate with SRSF10 to control the alternative splicing response to oxaliplatin-mediated DNA damage. <i>Scientific Reports</i> , <b>2018</b> , 8, 2206	4.9	20
25	Modulation of the splicing regulatory function of SRSF10 by a novel compound that impairs HIV-1 replication. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 4051-4067	20.1	19
24	A Parallel Synthesis Approach to the Identification of Novel Diheteroarylamide-Based Compounds Blocking HIV Replication: Potential Inhibitors of HIV-1 Pre-mRNA Alternative Splicing. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 1869-79	8.3	19
23	Control of hnRNP A1 alternative splicing: an intron element represses use of the common 3Tsplice site. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 7353-62	4.8	18
22	Hepatitis B virus Core protein nuclear interactome identifies SRSF10 as a host RNA-binding protein restricting HBV RNA production. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008593	7.6	18

21	Alternative splicing regulates the expression of G9A and SUV39H2 methyltransferases, and dramatically changes SUV39H2 functions. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 1869-82	20.1	17
20	Modulation of 5Tsplice site selection using tailed oligonucleotides carrying splicing signals. <i>BMC Biotechnology</i> , <b>2006</b> , 6, 5	3.5	17
19	RNA binding protein RALY promotes Protein Arginine Methyltransferase 1 alternatively spliced isoform v2 relative expression and metastatic potential in breast cancer cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2017</b> , 91, 124-135	5.6	15
18	Structural and thermodynamical characterization of the complete p21 gene product of Max. <i>Biochemistry</i> , <b>2005</b> , 44, 12746-58	3.2	15
17	Splicing arrays reveal novel RBM10 targets, including SMN2 pre-mRNA. <i>BMC Molecular Biology</i> , <b>2017</b> , 18, 19	4.5	13
16	Differential ASF/SF2 activity in extracts from normal WI38 and transformed WI38VA13 cells. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 5197-204	20.1	12
15	The Mouse W/c-kit Locus. <i>Novartis Foundation Symposium</i> , 158-172		7
14	NF45 and NF90 Regulate Mitotic Gene Expression by Competing with Staufen-Mediated mRNA Decay. <i>Cell Reports</i> , <b>2020</b> , 31, 107660	10.6	6
13	Proteolysis of splicing factors during rat and monkey cell fractionation. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 4509-14	20.1	6
12	Comment on "When good transcripts go bad: artifactual RT-PCR splicing and genome analysis". <i>BioEssays</i> , <b>2008</b> , 30, 1256; author reply 1257-8	4.1	5
11	Effect of Low Versus High Tidal-Volume Total Liquid Ventilation on Pulmonary Inflammation. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 603	4.6	4
10	My road to alternative splicing control: from simple paths to loops and interconnections. <i>Biochemistry and Cell Biology</i> , <b>2015</b> , 93, 171-9	3.6	2
9	Finding the rules of splicing, and using them alternatively. <i>Rna</i> , <b>2015</b> , 21, 582-3	5.8	2
8	A novel class of inhibitors that target SRSF10 and promote p53-mediated cytotoxicity on human colorectal cancer cells. <i>NAR Cancer</i> , <b>2021</b> , 3, zcab019	5.2	2
7	SRSF10: an atypical splicing regulator with critical roles in stress response, organ development, and viral replication. <i>Rna</i> , <b>2021</b> , 27, 1302-1317	5.8	2
6	High-Throughput Analysis of Alternative Splicing by RT-PCR <b>2012</b> , 238-246		1
5	Hepatitis B virus Core protein nuclear interactome identifies SRSF10 as a host RNA-binding protein restricting HBV RNA production		1
4	Interplay Between CMGC Kinases Targeting SR Proteins and Viral Replication: Splicing and Beyond. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 658721	5.7	1

- 3 2-Trifluoromethylthiazole-5-carboxamides: Analogues of a Stilbene-Based Anti-HIV Agent that Impact HIV mRNA Processing. *ACS Medicinal Chemistry Letters*, **2021**, 12, 1818-1823 4.3 ○
- 2 The aberrant upregulation of exon 10-inclusive SREK1 through SRSF10 acts as an oncogenic driver in human hepatocellular carcinoma.. *Nature Communications*, **2022**, 13, 1363 17.4 ○
- 1 Reply: TDP-43 mutations increase HNRNP A1-7B through gain of splicing function. *Brain*, **2018**, 141, e84 11.2