Benoit Chabot

List of Publications by Year
in descending order

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91 papers	9,965 citations	41339 49 h-index	46795 89 g-index
96 all docs	96 docs citations	96 times ranked	10139 citing authors

#	Article	IF	Citations
1	The proto-oncogene c-kit encoding a transmembrane tyrosine kinase receptor maps to the mouse W locus. Nature, 1988, 335, 88-89.	27.8	1,326
2	U2 as well as U1 small nuclear ribonucleoproteins are involved in premessenger RNA splicing. Cell, 1985, 42, 737-750.	28.9	632
3	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.. Genes and Development, 1989, 3, 816-826.	5.9	468
4	Systematic Analysis of the Protein Interaction Network for the Human Transcription Machinery Reveals the Identity of the 7SK Capping Enzyme. Molecular Cell, 2007, 27, 262-274.	9.7	404
5	The 3' splice site of pre-messenger RNA is recognized by a small nuclear ribonucleoprotein. Science, 1985, 230, 1344-1349.	12.6	339
6	Cancer-associated regulation of alternative splicing. Nature Structural and Molecular Biology, 2009, 16, 670-676.	8.2	327
7	hnRNP Proteins and Splicing Control. Advances in Experimental Medicine and Biology, 2007, 623, 123-147.	1.6	320
8	Control of alternative splicing through siRNA-mediated transcriptional gene silencing. Nature Structural and Molecular Biology, 2009, 16, 717-724.	8.2	303
9	A splicing enhancer in the human fibronectin alternate ED1 exon interacts with SR proteins and stimulates U2 snRNP binding.. Genes and Development, 1993, 7, 2405-2417.	5.9	298
10	Telomere elongation by hnRNP A1 and a derivative that interacts with telomeric repeats and telomerase. Nature Genetics, 1998, 19, 199-202.	21.4	267
11	Directing alternative splicing: cast and scenarios. Trends in Genetics, 1996, 12, 472-478.	6.7	195
12	Intronic Binding Sites for hnRNP A/B and hnRNP F/H Proteins Stimulate Pre-mRNA Splicing. PLoS Biology, 2006, 4, e21.	5.6	191
13	The A1 and A1B proteins of heterogeneous nuclear ribonucleoparticles modulate 5' splice site selection in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6924-6928.	7.1	189
14	Heterogeneous Nuclear Ribonucleoprotein F/H Proteins Modulate the Alternative Splicing of the Apoptotic Mediator Bcl-x. Journal of Biological Chemistry, 2005, 280, 22641-22650.	3.4	185
15	Defective control of preâ€“messenger RNA splicing in human disease. Journal of Cell Biology, 2016, 212, 13-27.	5.2	182
16	Modulation of exon skipping by high-affinity hnRNP A1-binding sites and by intron elements that repress splice site utilization. EMBO Journal, 1999, 18, 1939-1952.	7.8	176
17	Identification of Alternative Splicing Markers for Breast Cancer. Cancer Research, 2008, 68, 9525-9531.	0.9	171
18	Multiple Alternative Splicing Markers for Ovarian Cancer. Cancer Research, 2008, 68, 657-663.	0.9	147

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19	The emerging role of alternative splicing in senescence and aging. Aging Cell, 2017, 16, 918-933.	6.7	141
20	Multiple and Specific mRNA Processing Targets for the Major Human hnRNP Proteins. Molecular and Cellular Biology, 2008, 28, 6033-6043.	2.3	139
21	RBFOX2 Is an Important Regulator of Mesenchymal Tissue-Specific Splicing in both Normal and Cancer Tissues. Molecular and Cellular Biology, 2013, 33, 396-405.	2.3	133
22	Structural basis of G-tract recognition and encaging by hnRNP F quasi-RRMs. Nature Structural and Molecular Biology, 2010, 17, 853-861.	8.2	132
23	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. Cancer Research, 2003, 63, 7679-88.	0.9	127
24	Introns within Ribosomal Protein Genes Regulate the Production and Function of Yeast Ribosomes. Cell, 2011, 147, 320-331.	28.9	122
25	PRPF mutations are associated with generalized defects in spliceosome formation and pre-mRNA splicing in patients with retinitis pigmentosa. Human Molecular Genetics, 2011, 20, 2116-2130.	2.9	120
26	MBNL1 and RBFOX2 cooperate to establish a splicing programme involved in pluripotent stem cell differentiation. Nature Communications, 2013, 4, 2480.	12.8	120
27	The RNA Splicing Response to DNA Damage. Biomolecules, 2015, 5, 2935-2977.	4.0	114
28	Proteins Associated with the Exon Junction Complex Also Control the Alternative Splicing of Apoptotic Regulators. Molecular and Cellular Biology, 2012, 32, 954-967.	2.3	113
29	TDP-43 regulates the alternative splicing of hnRNP A1 to yield an aggregation-prone variant in amyotrophic lateral sclerosis. Brain, 2018, 141, 1320-1333.	7.6	106
30	A proteomic approach to the identification of heterogeneous nuclear ribonucleoproteins as a new family of poly(ADP-ribose)-binding proteins. Biochemical Journal, 2003, 371, 331-340.	3.7	102
31	Deletion of Many Yeast Introns Reveals a Minority of Genes that Require Splicing for Function. Molecular Biology of the Cell, 2008, 19, 1932-1941.	2.1	99
32	Alternative splicing of SYK regulates mitosis and cell survival. Nature Structural and Molecular Biology, 2011, 18, 673-679.	8.2	99
33	R2TP/Prefoldin-like component RUVBL1/RUVBL2 directly interacts with ZNHIT2 to regulate assembly of U5 small nuclear ribonucleoprotein. Nature Communications, 2017, 8, 15615.	12.8	85
34	Heterogeneous Nuclear Ribonucleoprotein A1 and UP1 Protect Mammalian Telomeric Repeats and Modulate Telomere Replication in Vitro. Journal of Biological Chemistry, 2000, 275, 14509-14516.	3.4	78
35	Distinct Sets of Adjacent Heterogeneous Nuclear Ribonucleoprotein (hnRNP) A1/A2 Binding Sites Control 5â€² Splice Site Selection in the hnRNP A1 mRNA Precursor. Journal of Biological Chemistry, 2002, 277, 29745-29752.	3.4	73
36	Small-Molecule Inhibition of HIV pre-mRNA Splicing as a Novel Antiretroviral Therapy to Overcome Drug Resistance. PLoS Pathogens, 2007, 3, e159.	4.7	73

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37	High-affinity hnRNP A1 binding sites and duplex-forming inverted repeats have similar effects on 5??? splice site selection in support of a common looping out and repression mechanism. Rna, 2002, 8, 1078-1089.	3.5	72
38	Heterogeneous Nuclear Ribonucleoprotein K Represses the Production of Pro-apoptotic Bcl-xS Splice Isoform. Journal of Biological Chemistry, 2009, 284, 21458-21467.	3.4	69
39	Regulated Intron Retention and Nuclear Pre-mRNA Decay Contribute to PABPN1 Autoregulation. Molecular and Cellular Biology, 2015, 35, 2503-2517.	2.3	68
40	Reprogramming Alternative Pre-messenger RNA Splicing through the Use of Protein-binding Antisense Oligonucleotides. Journal of Biological Chemistry, 2003, 278, 50031-50039.	3.4	64
41	Antagonistic Effects of the SRp30c Protein and Cryptic 5 â€² Splice Sites on the Alternative Splicing of the Apoptotic Regulator Bcl-x. Journal of Biological Chemistry, 2008, 283, 21315-21324.	3.4	63
42	Protein Kinase C-Dependent Control of Bcl-x Alternative Splicing. Molecular and Cellular Biology, 2007, 27, 8431-8441.	2.3	62
43	SRp30c Is a Repressor of 3â€² Splice Site Utilization. Molecular and Cellular Biology, 2002, 22, 4001-4010.	2.3	60
44	Anticancer drugs affect the alternative splicing of Bcl-x and other human apoptotic genes. Molecular Cancer Therapeutics, 2008, 7, 1398-1409.	4.1	59
45	A Late Role for the Association of hnRNP A2 with the HIV-1 hnRNP A2 Response Elements in Genomic RNA, Gag, and Vpr Localization. Journal of Biological Chemistry, 2004, 279, 44141-44153.	3.4	57
46	hnRNP A1 and hnRNP H can collaborate to modulate 5â€² splice site selection. Rna, 2010, 16, 228-238.	3.5	55
47	SRSF10 Connects DNA Damage to the Alternative Splicing of Transcripts Encoding Apoptosis, Cell-Cycle Control, and DNA Repair Factors. Cell Reports, 2016, 17, 1990-2003.	6.4	55
48	Tumor microenvironmentâ€“associated modifications of alternative splicing. Rna, 2014, 20, 189-201.	3.5	54
49	Modern origin of numerous alternatively spliced human introns from tandem arrays. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 882-886.	7.1	53
50	Differential effects of hnRNP D/AUF1 isoforms on HIV-1 gene expression. Nucleic Acids Research, 2012, 40, 3663-3675.	14.5	52
51	Cancer-Associated Perturbations in Alternative Pre-messenger RNA Splicing. Cancer Treatment and Research, 2013, 158, 41-94.	0.5	48
52	TCERG1 Regulates Alternative Splicing of the Bcl-x Gene by Modulating the Rate of RNA Polymerase II Transcription. Molecular and Cellular Biology, 2012, 32, 751-762.	2.3	47
53	Human Tra2 proteins jointly control a CHEK1 splicing switch among alternative and constitutive target exons. Nature Communications, 2014, 5, 4760.	12.8	47
54	hnRNP I/PTB can antagonize the splicing repressor activity of SRp30c. Rna, 2007, 13, 1287-1300.	3.5	46

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55	RBFOX1 Cooperates with MBNL1 to Control Splicing in Muscle, Including Events Altered in Myotonic Dystrophy Type 1. PLoS ONE, 2014, 9, e107324.	2.5	45
56	The nuclear matrix phosphoprotein p255 associates with splicing complexes as part of the [U4/Y6.U5]tri-snRNP particle. Nucleic Acids Research, 1995, 23, 3206-3213.	14.5	44
57	A Human RNA Polymerase II-containing Complex Associated with Factors Necessary for Spliceosome Assembly. Journal of Biological Chemistry, 2002, 277, 9302-9306.	3.4	43
58	The DNA Damage Response Pathway Regulates the Alternative Splicing of the Apoptotic Mediator Bcl-x. Journal of Biological Chemistry, 2011, 286, 331-340.	3.4	42
59	Redirecting splicing with bifunctional oligonucleotides. Nucleic Acids Research, 2014, 42, e40-e40.	14.5	41
60	Role of the splicing factor SRSF4 in cisplatin-induced modifications of pre-mRNA splicing and apoptosis. BMC Cancer, 2015, 15, 227.	2.6	40
61	Staufen1 Regulates Multiple Alternative Splicing Events either Positively or Negatively in DM1 Indicating Its Role as a Disease Modifier. PLoS Genetics, 2016, 12, e1005827.	3.5	37
62	A Function for the hnRNP A1/A2 Proteins in Transcription Elongation. PLoS ONE, 2015, 10, e0126654.	2.5	36
63	Next-generation biobanking of metastases to enable multidimensional molecular profiling in personalized medicine. Modern Pathology, 2013, 26, 1413-1424.	5.5	35
64	Modulation of the splicing regulatory function of SRSF10 by a novel compound that impairs HIV-1 replication. Nucleic Acids Research, 2017, 45, 4051-4067.	14.5	33
65	hnRNP A1/A2 and Sam68 collaborate with SRSF10 to control the alternative splicing response to oxaliplatin-mediated DNA damage. Scientific Reports, 2018, 8, 2206.	3.3	31
66	A novel mutation in the neurofibromatosis type 1 (NF1) gene promotes skipping of two exons by preventing exon definition11Edited by M. Yaniv. Journal of Molecular Biology, 2001, 307, 1261-1270.	4.2	29
67	Splicing arrays reveal novel RBM10 targets, including SMN2 pre-mRNA. BMC Molecular Biology, 2017, 18, 19.	3.0	28
68	Hepatitis B virus Core protein nuclear interactome identifies SRSF10 as a host RNA-binding protein restricting HBV RNA production. PLoS Pathogens, 2020, 16, e1008593.	4.7	28
69	RNA binding protein RALY promotes Protein Arginine Methyltransferase 1 alternatively spliced isoform v2 relative expression and metastatic potential in breast cancer cells. International Journal of Biochemistry and Cell Biology, 2017, 91, 124-135.	2.8	27
70	Alternative splicing regulates the expression of G9A and SUV39H2 methyltransferases, and dramatically changes SUV39H2 functions. Nucleic Acids Research, 2015, 43, 1869-1882.	14.5	26
71	The U1 Small Nuclear Ribonucleoprotein/5â€² Splice Site Interaction Affects U2AF65 Binding to the Downstream 3â€² Splice Site. Journal of Biological Chemistry, 1995, 270, 4031-4036.	3.4	25
72	A Parallel Synthesis Approach to the Identification of Novel Diheteroarylamide-Based Compounds Blocking HIV Replication: Potential Inhibitors of HIV-1 Pre-mRNA Alternative Splicing. Journal of Medicinal Chemistry, 2016, 59, 1869-1879.	6.4	25

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73	Dimethyl Sulfoxide Affects the Selection of Splice Sites. Journal of Biological Chemistry, 2001, 276, 17597-17602.	3.4	24
74	Structural and Thermodynamical Characterization of the Complete p21 Gene Product of Max. Biochemistry, 2005, 44, 12746-12758.	2.5	20
75	The aberrant upregulation of exon 10-inclusive SREK1 through SRSF10 acts as an oncogenic driver in human hepatocellular carcinoma. Nature Communications, 2022, 13, 1363.	12.8	20
76	Control of hnRNP A1 Alternative Splicing: an Intron Element Represses Use of the Common 3â€² Splice Site. Molecular and Cellular Biology, 2000, 20, 7353-7362.	2.3	19
77	Modulation of 5' splice site selection using tailed oligonucleotides carrying splicing signals. BMC Biotechnology, 2006, 6, 5.	3.3	19
78	NF45 and NF90 Regulate Mitotic Gene Expression by Competing with Staufen-Mediated mRNA Decay. Cell Reports, 2020, 31, 107660.	6.4	19
79	A novel class of inhibitors that target SRSF10 and promote p53-mediated cytotoxicity on human colorectal cancer cells. NAR Cancer, 2021, 3, zcab019.	3.1	17
80	Differential ASF/SF2 activity in extracts from normal WI38 and transformed WI38VA13 cells. Nucleic Acids Research, 1992, 20, 5197-5204.	14.5	13
81	SRSF10: an atypical splicing regulator with critical roles in stress response, organ development, and viral replication. Rna, 2021, 27, 1302-1317.	3.5	11
82	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.	2.8	10
83	The Thiazole-5-Carboxamide GPS491 Inhibits HIV-1, Adenovirus, and Coronavirus Replication by Altering RNA Processing/Accumulation. Viruses, 2022, 14, 60.	3.3	10
84	Interplay Between CMGC Kinases Targeting SR Proteins and Viral Replication: Splicing and Beyond. Frontiers in Microbiology, 2021, 12, 658721.	3.5	9
85	Proteolysis of splicing factors during rat and monkey cell fractionation. Nucleic Acids Research, 1991, 19, 4509-4514.	14.5	7
86	Comment on â€œWhen good transcripts go bad: artifactual RTâ€“PCR â€˜splicingâ€™ and genome analysisâ€• BioEssays, 2008, 30, 1256-1256.	2.5	5
87	Effect of Low Versus High Tidal-Volume Total Liquid Ventilation on Pulmonary Inflammation. Frontiers in Physiology, 2020, 11, 603.	2.8	5
88	Finding the rules of splicing, and using them â€¦ alternatively. Rna, 2015, 21, 582-583.	3.5	3
89	My road to alternative splicing control: from simple paths to loops and interconnections. Biochemistry and Cell Biology, 2015, 93, 171-179.	2.0	2
90	Reply: TDP-43 mutations increase HNRNP A1-7B through gain of splicing function. Brain, 2018, 141, e84-e84.	7.6	0

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91	Editorial â€“ splicing and alternative splicing. International Journal of Biochemistry and Cell Biology, 2019, 113, 103.	2.8	0