

Douglas L Black

List of Publications by Year in descending order

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87
papers

14,294
citations

24978

57
h-index

48187

88
g-index

100
all docs

100
docs citations

100
times ranked

15342
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Alternative Pre-Messenger RNA Splicing. Annual Review of Biochemistry, 2003, 72, 291-336.	5.0	2,268
2	U2 as well as U1 small nuclear ribonucleoproteins are involved in pre-messenger RNA splicing. Cell, 1985, 42, 737-750.	13.5	632
3	Protein Diversity from Alternative Splicing. Cell, 2000, 103, 367-370.	13.5	519
4	A post-transcriptional regulatory switch in polypyrimidine tract-binding proteins reprograms alternative splicing in developing neurons. Genes and Development, 2007, 21, 1636-1652.	2.7	464
5	m ⁶ A mRNA modifications are deposited in nascent pre-mRNA and are not required for splicing but do specify cytoplasmic turnover. Genes and Development, 2017, 31, 990-1006.	2.7	448
6	Genome-wide Analysis of PTB-RNA Interactions Reveals a Strategy Used by the General Splicing Repressor to Modulate Exon Inclusion or Skipping. Molecular Cell, 2009, 36, 996-1006.	4.5	429
7	Transcript Dynamics of Proinflammatory Genes Revealed by Sequence Analysis of Subcellular RNA Fractions. Cell, 2012, 150, 279-290.	13.5	407
8	Structure of PTB Bound to RNA: Specific Binding and Implications for Splicing Regulation. Science, 2005, 309, 2054-2057.	6.0	392
9	Neuronal regulation of alternative pre-mRNA splicing. Nature Reviews Neuroscience, 2007, 8, 819-831.	4.9	369
10	Rbfox proteins regulate alternative mRNA splicing through evolutionarily conserved RNA bridges. Nature Structural and Molecular Biology, 2013, 20, 1434-1442.	3.6	313
11	Alternative RNA splicing in the nervous system. Progress in Neurobiology, 2001, 65, 289-308.	2.8	301
12	The splicing regulator Rbfox1 (A2BP1) controls neuronal excitation in the mammalian brain. Nature Genetics, 2011, 43, 706-711.	9.4	297
13	Cooperative Assembly of an hnRNP Complex Induced by a Tissue-Specific Homolog of Polypyrimidine Tract Binding Protein. Molecular and Cellular Biology, 2000, 20, 7463-7479.	1.1	292
14	MicroRNAs regulate the expression of the alternative splicing factor nPTB during muscle development. Genes and Development, 2007, 21, 71-84.	2.7	280
15	Cell-Type-Specific Alternative Splicing Governs Cell Fate in the Developing Cerebral Cortex. Cell, 2016, 166, 1147-1162.e15.	13.5	276
16	Homologues of the Caenorhabditis elegans Fox-1 Protein Are Neuronal Splicing Regulators in Mammals. Molecular and Cellular Biology, 2005, 25, 10005-10016.	1.1	268
17	The neurogenetics of alternative splicing. Nature Reviews Neuroscience, 2016, 17, 265-281.	4.9	268
18	Co-transcriptional splicing of constitutive and alternative exons. Rna, 2009, 15, 1896-1908.	1.6	250

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19	A CaMK IV responsive RNA element mediates depolarization-induced alternative splicing of ion channels. <i>Nature</i> , 2001, 410, 936-939.	13.7	249
20	hnRNP H Is a Component of a Splicing Enhancer Complex That Activates a c- src Alternative Exon in Neuronal Cells. <i>Molecular and Cellular Biology</i> , 1999, 19, 69-77.	1.1	235
21	Molecular basis of RNA recognition by the human alternative splicing factor Fox-1. <i>EMBO Journal</i> , 2006, 25, 163-173.	3.5	215
22	PSD-95 is post-transcriptionally repressed during early neural development by PTBP1 and PTBP2. <i>Nature Neuroscience</i> , 2012, 15, 381-388.	7.1	212
23	Cytoplasmic Rbfox1 Regulates the Expression of Synaptic and Autism-Related Genes. <i>Neuron</i> , 2016, 89, 113-128.	3.8	205
24	The splicing regulator Rbfox2 is required for both cerebellar development and mature motor function. <i>Genes and Development</i> , 2012, 26, 445-460.	2.7	186
25	Multisite RNA Binding and Release of Polypyrimidine Tract Binding Protein during the Regulation of c-src Neural-Specific Splicing. <i>Molecular Cell</i> , 2000, 5, 949-957.	4.5	178
26	Activation of c-src neuron-specific splicing by an unusual RNA element in vivo and in vitro. <i>Cell</i> , 1992, 69, 795-807.	13.5	174
27	HIV Testing and Treatment with the Use of a Community Health Approach in Rural Africa. <i>New England Journal of Medicine</i> , 2019, 381, 219-229.	13.9	174
28	Protein kinase A phosphorylation modulates transport of the polypyrimidine tract-binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8776-8781.	3.3	160
29	Rbfox Proteins Regulate Splicing as Part of a Large Multiprotein Complex LASR. <i>Cell</i> , 2016, 165, 606-619.	13.5	158
30	Neuronal regulation of pre-mRNA splicing by polypyrimidine tract binding proteins, PTBP1 and PTBP2. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2012, 47, 360-378.	2.3	147
31	Polypyrimidine tract binding protein controls the transition from exon definition to an intron defined spliceosome. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 183-191.	3.6	146
32	An inducible change in Fox-1/A2BP1 splicing modulates the alternative splicing of downstream neuronal target exons. <i>Genes and Development</i> , 2009, 23, 2284-2293.	2.7	143
33	Polypyrimidine Tract Binding Protein Blocks the 5â€™ Splice Site-Dependent Assembly of U2AF and the Prespliceosomal E Complex. <i>Molecular Cell</i> , 2005, 19, 485-496.	4.5	135
34	The splicing regulator PTBP2 controls a program of embryonic splicing required for neuronal maturation. <i>ELife</i> , 2014, 3, e01201.	2.8	135
35	Performance Characteristics of a Rapid Severe Acute Respiratory Syndrome Coronavirus 2 Antigen Detection Assay at a Public Plaza Testing Site in San Francisco. <i>Journal of Infectious Diseases</i> , 2021, 223, 1139-1144.	1.9	131
36	EGFR Mutation-Induced Alternative Splicing of Max Contributes to Growth of Glycolytic Tumors in Brain Cancer. <i>Cell Metabolism</i> , 2013, 17, 1000-1008.	7.2	130

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37	A protein assembly mediates Xist localization and gene silencing. <i>Nature</i> , 2020, 587, 145-151.	13.7	123
38	The splicing regulator PTBP1 controls the activity of the transcription factor Pbx1 during neuronal differentiation. <i>ELife</i> , 2015, 4, e09268.	2.8	108
39	Autoregulation of Fox protein expression to produce dominant negative splicing factors. <i>Rna</i> , 2010, 16, 405-416.	1.6	106
40	Sam68 Regulates a Set of Alternatively Spliced Exons during Neurogenesis. <i>Molecular and Cellular Biology</i> , 2009, 29, 201-213.	1.1	105
41	Splicing Activation by Rbfox Requires Self-Aggregation through Its Tyrosine-Rich Domain. <i>Cell</i> , 2017, 170, 312-323.e10.	13.5	102
42	Exon repression by polypyrimidine tract binding protein. <i>Rna</i> , 2005, 11, 699-716.	1.6	101
43	Alternative pre-mRNA splicing in neurons: growing up and extending its reach. <i>Trends in Genetics</i> , 2013, 29, 442-448.	2.9	98
44	PTBP1 and PTBP2 Serve Both Specific and Redundant Functions in Neuronal Pre-mRNA Splicing. <i>Cell Reports</i> , 2016, 17, 2766-2775.	2.9	97
45	Depolarization and CaM Kinase IV Modulate NMDA Receptor Splicing through Two Essential RNA Elements. <i>PLoS Biology</i> , 2007, 5, e40.	2.6	95
46	Splicing kinetics and transcript release from the chromatin compartment limit the rate of Lipid A-induced gene expression. <i>Rna</i> , 2013, 19, 811-827.	1.6	90
47	Field Performance and Public Health Response Using the BinaxNOWTM Rapid Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Antigen Detection Assay During Community-Based Testing. <i>Clinical Infectious Diseases</i> , 2021, 73, e3098-e3101.	2.9	87
48	MADS: A new and improved method for analysis of differential alternative splicing by exon-tiling microarrays. <i>Rna</i> , 2008, 14, 1470-1479.	1.6	86
49	Roles for SR Proteins and hnRNP A1 in the Regulation of c-src Exon N1. <i>Molecular and Cellular Biology</i> , 2003, 23, 1874-1884.	1.1	82
50	U1 snRNA Directly Interacts with Polypyrimidine Tract-Binding Protein during Splicing Repression. <i>Molecular Cell</i> , 2011, 41, 579-588.	4.5	82
51	Deep-learning augmented RNA-seq analysis of transcript splicing. <i>Nature Methods</i> , 2019, 16, 307-310.	9.0	74
52	Developmental Control of CaV1.2 L-Type Calcium Channel Splicing by Fox Proteins. <i>Molecular and Cellular Biology</i> , 2009, 29, 4757-4765.	1.1	70
53	Rbfox1 Regulates Synaptic Transmission through the Inhibitory Neuron-Specific vSNARE Vamp1. <i>Neuron</i> , 2018, 98, 127-141.e7.	3.8	69
54	Splicing in the Inner Ear: a Familiar Tune, but What Are the Instruments?. <i>Neuron</i> , 1998, 20, 165-168.	3.8	67

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55	Differentiation-induced Colocalization of the KH-type Splicing Regulatory Protein with Polypyrimidine Tract Binding Protein and the c-srcPre-mRNA. <i>Molecular Biology of the Cell</i> , 2004, 15, 774-786.	0.9	67
56	Combinatorial control of a neuron-specific exon. <i>Rna</i> , 1999, 5, 687-706.	1.6	65
57	Regulation of the Mutually Exclusive Exons 8a and 8 in the CaV1.2 Calcium Channel Transcript by Polypyrimidine Tract-binding Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 10007-10016.	1.6	64
58	A consensus CaMK IV-responsive RNA sequence mediates regulation of alternative exons in neurons. <i>Rna</i> , 2005, 11, 1825-1834.	1.6	63
59	De Novo Prediction of PTBP1 Binding and Splicing Targets Reveals Unexpected Features of Its RNA Recognition and Function. <i>PLoS Computational Biology</i> , 2014, 10, e1003442.	1.5	56
60	The cardiotoxic steroid digitoxin regulates alternative splicing through depletion of the splicing factors SRSF3 and TRA2B. <i>Rna</i> , 2012, 18, 1041-1049.	1.6	53
61	Evaluation of a novel community-based COVID-19 "Test-to-Care"™ model for low-income populations. <i>PLoS ONE</i> , 2020, 15, e0239400.	1.1	51
62	Stem-loop 4 of U1 snRNA is essential for splicing and interacts with the U2 snRNP-specific SF3A1 protein during spliceosome assembly. <i>Genes and Development</i> , 2014, 28, 2518-2531.	2.7	49
63	Inhibiting amyloid- β cytotoxicity through its interaction with the cell surface receptor LILRB2 by structure-based design. <i>Nature Chemistry</i> , 2018, 10, 1213-1221.	6.6	46
64	Pathway-guided analysis identifies Myc-dependent alternative pre-mRNA splicing in aggressive prostate cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5269-5279.	3.3	44
65	A broadly applicable high-throughput screening strategy identifies new regulators of <i>Dlg4</i> (<i>Psd-95</i>) alternative splicing. <i>Genome Research</i> , 2013, 23, 998-1007.	2.4	40
66	Estimation of Secondary Household Attack Rates for Emergent Spike L452R Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants Detected by Genomic Surveillance at a Community-Based Testing Site in San Francisco. <i>Clinical Infectious Diseases</i> , 2022, 74, 32-39.	2.9	39
67	HIV incidence after pre-exposure prophylaxis initiation among women and men at elevated HIV risk: A population-based study in rural Kenya and Uganda. <i>PLoS Medicine</i> , 2021, 18, e1003492.	3.9	35
68	RNA-binding protein PSPC1 promotes the differentiation-dependent nuclear export of adipocyte RNAs. <i>Journal of Clinical Investigation</i> , 2017, 127, 987-1004.	3.9	33
69	Tracking pre-mRNA maturation across subcellular compartments identifies developmental gene regulation through intron retention and nuclear anchoring. <i>Genome Research</i> , 2021, 31, 1106-1119.	2.4	31
70	Polypyrimidine tract-binding protein blocks miRNA-124 biogenesis to enforce its neuronal-specific expression in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11061-E11070.	3.3	30
71	Early Adopters of Human Immunodeficiency Virus Preexposure Prophylaxis in a Population-based Combination Prevention Study in Rural Kenya and Uganda. <i>Clinical Infectious Diseases</i> , 2018, 67, 1853-1860.	2.9	30
72	A Role for Polypyrimidine Tract Binding Protein in the Establishment of Focal Adhesions. <i>Molecular and Cellular Biology</i> , 2009, 29, 5564-5577.	1.1	29

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73	Multiple determinants of splicing repression activity in the polypyrimidine tract binding proteins, PTBP1 and PTBP2. <i>Rna</i> , 2016, 22, 1172-1180.	1.6	29
74	Costs of streamlined HIV care delivery in rural Ugandan and Kenyan clinics in the SEARCH Study. <i>Aids</i> , 2018, 32, 2179-2188.	1.0	24
75	The COVID-19 Symptom to Isolation Cascade in a Latinx Community: A Call to Action. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab023.	0.4	22
76	Large-scale remodeling of a repressed exon ribonucleoprotein to an exon definition complex active for splicing. <i>ELife</i> , 2016, 5, .	2.8	17
77	A simple answer for a splicing conundrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4927-4928.	3.3	15
78	Estimated Costs for Delivery of HIV Antiretroviral Therapy to Individuals with CD4+ T-Cell Counts >350 cells/uL in Rural Uganda. <i>PLoS ONE</i> , 2015, 10, e0143433.	1.1	15
79	To Cross or Not to Cross: Alternatively Spliced Forms of the Robo3 Receptor Regulate Discrete Steps in Axonal Midline Crossing. <i>Neuron</i> , 2008, 58, 297-298.	3.8	14
80	Maps, Codes, and Sequence Elements: Can We Predict the Protein Output from an Alternatively Spliced Locus?. <i>Neuron</i> , 2006, 52, 574-576.	3.8	11
81	Pragmatic randomized trial of a pre-visit intervention to improve the quality of telemedicine visits for vulnerable patients living with HIV. <i>Journal of Telemedicine and Telecare</i> , 2023, 29, 187-195.	1.4	7
82	Costs of integrating hypertension care into HIV care in rural East African clinics. <i>Aids</i> , 2021, 35, 911-919.	1.0	4
83	Effect of universal HIV testing and treatment on socioeconomic wellbeing in rural Kenya and Uganda: a cluster-randomised controlled trial. <i>The Lancet Global Health</i> , 2022, 10, e96-e104.	2.9	4
84	Integrating Rapid Diabetes Screening Into a Latinx Focused Community-Based Low-Barrier COVID-19 Testing Program. <i>JAMA Network Open</i> , 2022, 5, e2214163.	2.8	3
85	SARS-CoV-2 transmission dynamics and immune responses in a household of vaccinated persons. <i>Clinical Infectious Diseases</i> , 2022, , .	2.9	1
86	High-Throughput Screening for Small Molecule Modulators of FGFR2-IIIb Pre-mRNA Splicing. , 2012, , 127-138.		0
87	High Parental Vaccine Motivation at a Neighborhood-Based Vaccine and Testing Site Serving a Predominantly Latinx Community. <i>Health Equity</i> , 2021, 5, 840-846.	0.8	0