Akila Mayeda

List of Publications by Year
in descending order

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81 papers	7,426 citations	70961 41 h-index	74018 75 g-index
89 all docs	89 docs citations	89 times ranked	6371 citing authors

#	Article	IF	Citations
1	Epstein-Barr Virus Enhances Cancer-Specific Aberrant Splicing of TSG101 Pre-mRNA. International Journal of Molecular Sciences, 2022, 23, 2516.	1.8	2
2	The Exon Junction Complex Core Represses Cancer-Specific Mature mRNA Re-splicing: A Potential Key Role in Terminating Splicing. International Journal of Molecular Sciences, 2021, 22, 6519.	1.8	9
3	SPF45/RBM17-dependent, but not U2AF-dependent, splicing in a distinct subset of human short introns. Nature Communications, 2021, 12, 4910.	5.8	13
4	Spliceostatin A interaction with SF3B limits U1 snRNP availability and causes premature cleavage and polyadenylation. Cell Chemical Biology, 2021, 28, 1356-1365.e4.	2.5	8
5	Novel LAMC2 fusion protein has tumorâ€promoting properties in ovarian carcinoma. Cancer Science, 2021, 112, 4957-4967.	1.7	13
6	SPF45/RBM17-dependent splicing and multidrug resistance to cancer chemotherapy. Molecular and Cellular Oncology, 2021, 8, 1996318.	0.3	1
7	Rbm38 Reduces the Transcription Elongation Defect of the SMEK2 Gene Caused by Splicing Deficiency. International Journal of Molecular Sciences, 2020, 21, 8799.	1.8	3
8	Biosynthesis of Circular RNA ciRS-7/CDR1as Is Mediated by Mammalian-wide Interspersed Repeats. IScience, 2020, 23, 101345.	1.9	25
9	Editorial: RNA Diseases in Humansâ€"From Fundamental Research to Therapeutic Applications. Frontiers in Molecular Biosciences, 2019, 6, 53.	1.6	1
10	Component of splicing factor SF3b plays a key role in translational control of polyribosomes on the endoplasmic reticulum. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9340-9349.	3.3	20
11	Cancer-Specifically Re-Spliced TSG101 mRNA Promotes Invasion and Metastasis of Nasopharyngeal Carcinoma. International Journal of Molecular Sciences, 2019, 20, 773.	1.8	11
12	HMGA1a induces alternative splicing of estrogen receptor alpha in MCF-7 human breast cancer cells. Journal of Steroid Biochemistry and Molecular Biology, 2018, 182, 21-26.	1.2	16
13	Splicing activator RNPS1 suppresses errors in pre-mRNA splicing: A key factor for mRNA quality control. Biochemical and Biophysical Research Communications, 2018, 496, 921-926.	1.0	14
14	Rearrangement of VPS13B, a causative gene of Cohen syndrome, in a case of RUNX1â€"RUNX1T1 leukemia with t(8;12;21). International Journal of Hematology, 2018, 108, 208-212.	0.7	6
15	HMGA1a Induces Alternative Splicing of the Estrogen Receptor-Î±lpha Gene by Trapping U1 snRNP to an Upstream Pseudo-5â€² Splice Site. Frontiers in Molecular Biosciences, 2018, 5, 52.	1.6	11
16	Global analysis of pre-mRNA subcellular localization following splicing inhibition by spliceostatin A. Rna, 2017, 23, 47-57.	1.6	61
17	The Exon Junction Complex Controls the Efficient and Faithful Splicing of a Subset of Transcripts Involved in Mitotic Cell-Cycle Progression. International Journal of Molecular Sciences, 2016, 17, 1153.	1.8	27
18	Endogenous Multiple Exon Skipping and Back-Splicing at the DMD Mutation Hotspot. International Journal of Molecular Sciences, 2016, 17, 1722.	1.8	35

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19	<scp>ETV6â€LPXN</scp> fusion transcript generated by t(11;12)(q12.1;p13) in a patient with relapsing acute myeloid leukemia with <scp>NUP98â€HOXA9</scp>. Genes Chromosomes and Cancer, 2016, 55, 242-250.	1.5	14
20	MALAT1 long non-coding RNA in cancer. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 192-199.	0.9	190
21	<i>NUP214-RAC1</i> and <i>RAC1-COL12A1</i> Fusion in Complex Variant Translocations Involving Chromosomes 6, 7 and 9 in an Acute Myeloid Leukemia Case with <i>DEK-NUP214</i>. Cytogenetic and Genome Research, 2015, 146, 279-284.	0.6	6
22	Identification and Validation of Evolutionarily Conserved Unusually Short Pre-mRNA Introns in the Human Genome. International Journal of Molecular Sciences, 2015, 16, 10376-10388.	1.8	11
23	Nested introns in an intron: Evidence of multiâ€step splicing in a large intron of the human dystrophin preâ€mRNA. FEBS Letters, 2013, 587, 555-561.	1.3	32
24	HnRNP L and hnRNP LL antagonistically modulate PTB-mediated splicing suppression of CHRNA1 pre-mRNA. Scientific Reports, 2013, 3, 2931.	1.6	41
25	Re-splicing of mature mRNA in cancer cells promotes activation of distant weak alternative splice sites. Nucleic Acids Research, 2012, 40, 7896-7906.	6.5	44
26	Mechanistic insights into human pre-mRNA splicing of human ultra-short introns: Potential unusual mechanism identifies G-rich introns. Biochemical and Biophysical Research Communications, 2012, 423, 289-294.	1.0	19
27	Identification of cis- and trans-acting factors involved in the localization of MALAT-1 noncoding RNA to nuclear speckles. Rna, 2012, 18, 738-751.	1.6	202
28	HMGA1a induces aberrant splicing of estrogen receptor Î± in MCF-7 breast cancer cells. Nature Precedings, 2010, , .	0.1	0
29	Human Transcript Database Search Showed Existence Of Extremely Short Introns. Nature Precedings, 2010, , .	0.1	0
30	HMGA1a Trapping of U1 snRNP at an Authentic 5â€² Splice Site Induces Aberrant Exon Skipping in Sporadic Alzheimer's Disease. Molecular and Cellular Biology, 2010, 30, 2220-2228.	1.1	32
31	The expression of HMGA1a is increased in lymphoblastoid cell lines from schizophrenia patients. Neurochemistry International, 2010, 56, 736-739.	1.9	10
32	Oncogenic Product HMGA1a Might Function as an Aberrant Splicing Inducer of Estrogen Receptor [alpha] in Breast Cancer. Nature Precedings, 2009, , .	0.1	0
33	An RNA cis-element upstream of the HMGA1a binding site affects exon exclusion caused by HMGA1a. Nature Precedings, 2009, , .	0.1	0
34	HMGA1a: sequence-specific RNA-binding factor causing sporadic Alzheimer's disease-linked exon skipping of presenilin-2 pre-mRNA. Genes To Cells, 2007, 12, 1179-1191.	0.5	35
35	Characterization of RNase R-digested cellular RNA source that consists of lariat and circular RNAs from pre-mRNA splicing. Nucleic Acids Research, 2006, 34, e63-e63.	6.5	523
36	Thr199phosphorylation targets nucleophosmin to nuclear speckles and represses pre-mRNA processing. FEBS Letters, 2006, 580, 399-409.	1.3	52

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37	Activation of Pre-mRNA Splicing by Human RNPS1 Is Regulated by CK2 Phosphorylation. Molecular and Cellular Biology, 2005, 25, 1446-1457.	1.1	49
38	Human RNPS1 and Its Associated Factors: a Versatile Alternative Pre-mRNA Splicing Regulator In Vivo. Molecular and Cellular Biology, 2004, 24, 1174-1187.	1.1	93
39	Tra2Î², SF2/ASF and SRp30c modulate the function of an exonic splicing enhancer in exon 10 of tau pre-mRNA. Genes To Cells, 2004, 9, 121-130.	0.5	65
40	Induced HMGA1a expression causes aberrant splicing of Presenilin-2 pre-mRNA in sporadic Alzheimer's disease. Cell Death and Differentiation, 2003, 10, 698-708.	5.0	70
41	Human Immunodeficiency Virus Type 1 hnRNP A/B-Dependent Exonic Splicing Silencer ESSV Antagonizes Binding of U2AF65 to Viral Polypyrimidine Tracts. Molecular and Cellular Biology, 2003, 23, 8762-8772.	1.1	62
42	Exonic Splicing Enhancer-Dependent Selection of the Bovine Papillomavirus Type 1 Nucleotide 3225 3â€² Splice Site Can Be Rescued in a Cell Lacking Splicing Factor ASF/SF2 through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway. Journal of Virology, 2003, 77, 2105-2115.	1.5	45
43	CDK11 Complexes Promote Pre-mRNA Splicing. Journal of Biological Chemistry, 2003, 278, 8623-8629.	1.6	131
44	A Novel Rat Orthologue and Homologue for the Drosophila crooked neck Gene in Neural Stem Cells and Their Immediate Descendants. Journal of Biochemistry, 2003, 133, 615-623.	0.9	7
45	Decrease in hnRNP A/B expression during erythropoiesis mediates a pre-mRNA splicing switch. EMBO Journal, 2002, 21, 6195-6204.	3.5	63
46	Exon Identity Established through Differential Antagonism between Exonic Splicing Silencer-Bound hnRNP A1 and Enhancer-Bound SR Proteins. Molecular Cell, 2001, 8, 1351-1361.	4.5	335
47	ZNF265â€"a novel spliceosomal protein able to induce alternative splicing. Journal of Cell Biology, 2001, 154, 25-32.	2.3	64
48	RNA Splicing at Human Immunodeficiency Virus Type 1 3â€² Splice Site A2 Is Regulated by Binding of hnRNP A/B Proteins to an Exonic Splicing Silencer Element. Journal of Virology, 2001, 75, 8487-8497.	1.5	107
49	Serine-Arginine (SR) Protein-like Factors That Antagonize Authentic SR Proteins and Regulate Alternative Splicing. Journal of Biological Chemistry, 2001, 276, 48908-48914.	1.6	76
50	Characterization of Two Evolutionarily Conserved, Alternatively Spliced Nuclear Phosphoproteins, NFAR-1 and -2, That Function in mRNA Processing and Interact with the Double-stranded RNA-dependent Protein Kinase, PKR. Journal of Biological Chemistry, 2001, 276, 32300-32312.	1.6	112
51	Mapping the SF2/ASF Binding Sites in the Bovine Growth Hormone Exonic Splicing Enhancer. Journal of Biological Chemistry, 2000, 275, 29170-29177.	1.6	22
52	Selection of Alternative 5â€² Splice Sites: Role of U1 snRNP and Models for the Antagonistic Effects of SF2/ASF and hnRNP A1. Molecular and Cellular Biology, 2000, 20, 8303-8318.	1.1	171
53	Evidence for the function of an exonic splicing enhancer after the first catalytic step of pre-mRNA splicing. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10655-10660.	3.3	50
54	The Subcellular Localization of SF2/ASF Is Regulated by Direct Interaction with SR Protein Kinases (SRPKs). Journal of Biological Chemistry, 1999, 274, 11125-11131.	1.6	118

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55	hnRNP A/B proteins are required for inhibition of HIV-1 pre-mRNA splicing. EMBO Journal, 1999, 18, 4060-4067.	3.5	243
56	Characterization of a SR protein from Trypanosoma brucei with homology to RNA-binding cis-splicing proteins. Molecular and Biochemical Parasitology, 1999, 102, 103-115.	0.5	34
57	Preparation of Hela Cell Nuclear and Cytosolic S100 Extracts for In Vitro Splicing. , 1999, 118, 309-314.		93
58	Mammalian In Vitro Splicing Assays. , 1999, 118, 315-321.		71
59	Purification and characterization of human RNPS1: a general activator of pre-mRNA splicing. EMBO Journal, 1999, 18, 4560-4570.	3.5	132
60	Substrate Specificities of SR Proteins in Constitutive Splicing Are Determined by Their RNA Recognition Motifs and Composite Pre-mRNA Exonic Elements. Molecular and Cellular Biology, 1999, 19, 1853-1863.	1.1	133
61	Distinct functions of the closely related tandem RNA-recognition motifs of hnRNP A1. Rna, 1998, 4, 1111-1123.	1.6	50
62	RCC1 and nuclear organization.. Molecular Biology of the Cell, 1997, 8, 1143-1157.	0.9	13
63	RNA splicing specificity determined by the coordinated action of RNA recognition motifs in SR proteins. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 3596-3601.	3.3	92
64	Crystal structure of human UP1, the domain of hnRNP A1 that contains two RNA-recognition motifs. Structure, 1997, 5, 559-570.	1.6	104
65	Pre-mRNA splicing in plants: characterization of Ser/Arg splicing factors.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3074-3079.	3.3	87
66	Identification and characterization of three members of the human SR family of pre-mRNA splicing factors.. EMBO Journal, 1995, 14, 4336-4349.	3.5	256
67	Function of conserved domains of hnRNP A1 and other hnRNP A/B proteins.. EMBO Journal, 1994, 13, 5483-5495.	3.5	292
68	Disruption of pre-mRNA splicing in vivo results in reorganization of splicing factors. Journal of Cell Biology, 1994, 124, 249-260.	2.3	179
69	The C-protein tetramer binds 230 to 240 nucleotides of pre-mRNA and nucleates the assembly of 40S heterogeneous nuclear ribonucleoprotein particles.. Molecular and Cellular Biology, 1994, 14, 518-533.	1.1	67
70	General splicing factor SF2/ASF promotes alternative splicing by binding to an exonic splicing enhancer.. Genes and Development, 1993, 7, 2598-2608.	2.7	269
71	Modulation of exon skipping and inclusion by heterogeneous nuclear ribonucleoprotein A1 and pre-mRNA splicing factor SF2/ASF.. Molecular and Cellular Biology, 1993, 13, 2993-3001.	1.1	244
72	Pathways for selection of 5â€² splice sites by U1 snRNPs and SF2/ASF.. EMBO Journal, 1993, 12, 3607-3617.	3.5	167

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73	Two members of a conserved family of nuclear phosphoproteins are involved in pre-mRNA splicing.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 1301-1304.	3.3	129
74	General splicing factors SF2 and SC35 have equivalent activities in vitro, and both affect alternative 5' and 3' splice site selection.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11224-11228.	3.3	238
75	Regulation of alternative pre-mRNA splicing by hnRNP A1 and splicing factor SF2. Cell, 1992, 68, 365-375.	13.5	726
76	Functional expression of cloned human splicing factor SF2: homology to rna-binding proteins, U1 70K, and drosophila splicing regulators. Cell, 1991, 66, 383-394.	13.5	511
77	Surveying Cis-Acting Sequences of Pre-mRNA by Adding Antisense 2â€²-O-Methyl Oligoribonucleotides to a Splicing Reaction1. Journal of Biochemistry, 1990, 108, 399-405.	0.9	28
78	Î²-globin transcripts carrying a single intron with three adjacent nucleotides of 5â€² exon are efficiently splicedin vitroirrespective of intron position or surrounding exon sequences. Nucleic Acids Research, 1990, 18, 4671-4676.	6.5	19
79	Short donor site sequences inserted within the intron of beta-globin pre-mRNA serve for splicing in vitro.. Molecular and Cellular Biology, 1988, 8, 4484-4491.	1.1	48
80	Three distinct activities possibly involved in mRNA splicing are found in a nuclear fraction lacking U1 and U2 RNA. Nucleic Acids Research, 1986, 14, 3045-3057.	6.5	38
81	U1 RNA-protein complex preferentially binds to both 5' and 3' splice junction sequences in RNA or single-stranded DNA.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 6281-6285.	3.3	22