

Gil Ast

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

2,056
citations

17
h-index

27
g-index

27
ext. papers

2,484
ext. citations

9.1
avg, IF

5.11
L-index

#	Paper	IF	Citations
25	How did alternative splicing evolve?. <i>Nature Reviews Genetics</i> , 2004 , 5, 773-82	30.1	429
24	The alternative role of DNA methylation in splicing regulation. <i>Trends in Genetics</i> , 2015 , 31, 274-80	8.5	315
23	Comparative analysis identifies exonic splicing regulatory sequences--The complex definition of enhancers and silencers. <i>Molecular Cell</i> , 2006 , 22, 769-781	17.6	254
22	IKAP/Elp1 involvement in cytoskeleton regulation and implication for familial dysautonomia. <i>Human Molecular Genetics</i> , 2011 , 20, 1585-94	5.6	253
21	Comparative analysis detects dependencies among the 5dsplce-site positions. <i>Rna</i> , 2004 , 10, 828-40	5.8	151
20	HP1 is involved in regulating the global impact of DNA methylation on alternative splicing. <i>Cell Reports</i> , 2015 , 10, 1122-34	10.6	139
19	SF3B1 association with chromatin determines splicing outcomes. <i>Cell Reports</i> , 2015 , 11, 618-29	10.6	73
18	Cotranscriptional histone H2B monoubiquitylation is tightly coupled with RNA polymerase II elongation rate. <i>Genome Research</i> , 2014 , 24, 1572-83	9.7	56
17	The importance of DNA methylation of exons on alternative splicing. <i>Rna</i> , 2018 , 24, 1351-1362	5.8	53
16	DNA methylation directs microRNA biogenesis in mammalian cells. <i>Nature Communications</i> , 2019 , 10, 5657	17.4	53
15	IKAP/hELP1 deficiency in the cerebrum of familial dysautonomia patients results in down regulation of genes involved in oligodendrocyte differentiation and in myelination. <i>Human Molecular Genetics</i> , 2007 , 16, 2097-104	5.6	44
14	A network-based analysis of colon cancer splicing changes reveals a tumorigenesis-favoring regulatory pathway emanating from ELK1. <i>Genome Research</i> , 2016 , 26, 541-53	9.7	36
13	Phosphatidylserine increases IKBKAP levels in familial dysautonomia cells. <i>PLoS ONE</i> , 2010 , 5, e15884	3.7	34
12	How Are Short Exons Flanked by Long Introns Defined and Committed to Splicing?. <i>Trends in Genetics</i> , 2016 , 32, 596-606	8.5	31
11	Phosphatidylserine increases IKBKAP levels in a humanized knock-in IKBKAP mouse model. <i>Human Molecular Genetics</i> , 2013 , 22, 2785-94	5.6	28
10	Drug-targeting strategies for prostate cancer. <i>Current Pharmaceutical Design</i> , 2003 , 9, 455-66	3.3	21
9	Phosphatidylserine Ameliorates Neurodegenerative Symptoms and Enhances Axonal Transport in a Mouse Model of Familial Dysautonomia. <i>PLoS Genetics</i> , 2016 , 12, e1006486	6	19

8	Genetics of hearing loss in the Arab population of Northern Israel. <i>European Journal of Human Genetics</i> , 2018 , 26, 1840-1847	5.3	15
7	Calpain 12 Function Revealed through the Study of an Atypical Case of Autosomal Recessive Congenital Ichthyosis. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 385-393	4.3	14
6	Quantitative mass spectrometry analysis reveals a panel of nine proteins as diagnostic markers for colon adenocarcinomas. <i>Oncotarget</i> , 2018 , 9, 13530-13544	3.3	12
5	Phosphatidylserine enhances IKBKAP transcription by activating the MAPK/ERK signaling pathway. <i>Human Molecular Genetics</i> , 2016 , 25, 1307-17	5.6	10
4	Histone H1.5 binds over splice sites in chromatin and regulates alternative splicing. <i>Nucleic Acids Research</i> , 2019 , 47, 6145-6159	20.1	8
3	Phosphatidylserine improves axonal transport by inhibition of HDAC and has potential in treatment of neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2017 , 12, 534-537	4.5	4
2	Combinatorial treatment increases IKAP levels in human cells generated from Familial Dysautonomia patients. <i>PLoS ONE</i> , 2019 , 14, e0211602	3.7	3
1	The upstream 5dsplce site remains associated to the transcription machinery during intron synthesis. <i>Nature Communications</i> , 2021 , 12, 4545	17.4	1