Auinash Kalsotra

List of Publications by Year
in descending order

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49 papers	3,565 citations	218677 26 h-index	214800 47 g-index
104 all docs	104 docs citations	104 times ranked	5498 citing authors

#	Article	IF	Citations
1	Functional consequences of developmentally regulated alternative splicing. Nature Reviews Genetics, 2011, 12, 715-729.	16.3	624
2	A postnatal switch of CELF and MBNL proteins reprograms alternative splicing in the developing heart. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20333-20338.	7.1	433
3	Expression of 24,426 human alternative splicing events and predicted cis regulation in 48 tissues and cell lines. Nature Genetics, 2008, 40, 1416-1425.	21.4	272
4	RNA modifications and structures cooperate to guide RNAâ€“protein interactions. Nature Reviews Molecular Cell Biology, 2017, 18, 202-210.	37.0	225
5	Systematic Profiling of Poly(A)+ Transcripts Modulated by Core 3â€™ End Processing and Splicing Factors Reveals Regulatory Rules of Alternative Cleavage and Polyadenylation. PLoS Genetics, 2015, 11, e1005166.	3.5	217
6	Alternative splicing regulates vesicular trafficking genes in cardiomyocytes during postnatal heart development. Nature Communications, 2014, 5, 3603.	12.8	133
7	Cytochrome P450 4F subfamily: At the crossroads of eicosanoid and drug metabolism. , 2006, 112, 589-611.		115
8	MicroRNAs coordinate an alternative splicing network during mouse postnatal heart development. Genes and Development, 2010, 24, 653-658.	5.9	114
9	Rbfox2-Coordinated Alternative Splicing of Mef2d and Rock2 Controls Myoblast Fusion during Myogenesis. Molecular Cell, 2014, 55, 592-603.	9.7	104
10	Brain Trauma Leads to Enhanced Lung Inflammation and Injury: Evidence for Role of P4504Fs in Resolution. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 963-974.	4.3	87
11	The Mef2 Transcription Network Is Disrupted in Myotonic Dystrophy Heart Tissue, Dramatically Altering miRNA and mRNA Expression. Cell Reports, 2014, 6, 336-345.	6.4	83
12	ESRP2 controls an adult splicing programme in hepatocytes to support postnatal liver maturation. Nature Communications, 2015, 6, 8768.	12.8	83
13	Expression and characterization of human cytochrome P450 4F11: Putative role in the metabolism of therapeutic drugs and eicosanoids. Toxicology and Applied Pharmacology, 2004, 199, 295-304.	2.8	81
14	Myotonic dystrophy: disease repeat range, penetrance, age of onset, and relationship between repeat size and phenotypes. Current Opinion in Genetics and Development, 2017, 44, 30-37.	3.3	80
15	Differential Effects of Traumatic Brain Injury on the Cytochrome P450 System: A Perspective into Hepatic and Renal Drug Metabolism. Journal of Neurotrauma, 2003, 20, 1339-1350.	3.4	65
16	Poly(A) tail length regulates PABPC1 expression to tune translation in the heart. ELife, 2017, 6, .	6.0	65
17	Developmental insights into the pathology of and therapeutic strategies for DM1: Back to the basics. Developmental Dynamics, 2015, 244, 377-390.	1.8	60
18	Alternative splicing rewires Hippo signaling pathway in hepatocytes to promote liver regeneration. Nature Structural and Molecular Biology, 2018, 25, 928-939.	8.2	58

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19	Sexual Dimorphism and Tissue Specificity in the Expression of CYP4F Forms in Sprague Dawley Rats. Drug Metabolism and Disposition, 2002, 30, 1022-1028.	3.3	56
20	Cellular plasticity balances the metabolic and proliferation dynamics of a regenerating liver. Genome Research, 2021, 31, 576-591.	5.5	53
21	Epithelial splicing regulatory protein 2â€“mediated alternative splicing reprograms hepatocytes in severe alcoholic hepatitis. Journal of Clinical Investigation, 2020, 130, 2129-2145.	8.2	49
22	Impaired Mitochondrial Energy Production Causes Light-Induced Photoreceptor Degeneration Independent of Oxidative Stress. PLoS Biology, 2015, 13, e1002197.	5.6	48
23	Intrinsically cell-penetrating multivalent and multitargeting ligands for myotonic dystrophy type 1. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8709-8714.	7.1	39
24	CAR/PXR provide directives for Cyp3a41 gene regulation differently from Cyp3a11. Pharmacogenomics Journal, 2004, 4, 91-101.	2.0	36
25	Complementary Oligonucleotide Conjugated Multicolor Carbon Dots for Intracellular Recognition of Biological Events. ACS Applied Materials & Interfaces, 2020, 12, 16137-16149.	8.0	34
26	Aberrant Expression of a Non-muscle RBFOX2 Isoform Triggers Cardiac Conduction Defects in Myotonic Dystrophy. Developmental Cell, 2020, 52, 748-763.e6.	7.0	31
27	Genomic characterization and regulation of CYP3a13: role of xenobiotics and nuclear receptors. FASEB Journal, 2003, 17, 1736-1738.	0.5	27
28	Catalytic characterization and cytokine mediated regulation of cytochrome P450 4Fs in rat hepatocytes. Archives of Biochemistry and Biophysics, 2007, 461, 104-112.	3.0	27
29	Effect of PFOA on DNA Methylation and Alternative Splicing in Mouse Liver. Toxicology Letters, 2020, 329, 38-46.	0.8	26
30	Maternal dead-end 1 promotes translation of nanos1 through binding the eIF3 complex. Development (Cambridge), 2017, 144, 3755-3765.	2.5	25
31	Inflammatory prompts produce isoform-specific changes in the expression of leukotriene B4 Ï‰-hydroxylases in rat liver and kidney. FEBS Letters, 2003, 555, 236-242.	2.8	23
32	Cellular and molecular basis of liver regeneration. Seminars in Cell and Developmental Biology, 2020, 100, 74-87.	5.0	23
33	CYP4Fs Expression in Rat Brain Correlates with Changes in LTB₄Levels after Traumatic Brain Injury. Journal of Neurotrauma, 2008, 25, 1187-1194.	3.4	21
34	Renal localization, expression, and developmental regulation of P450 4F cytochromes in three substrains of spontaneously hypertensive rats. Biochemical and Biophysical Research Communications, 2005, 338, 423-431.	2.1	19
35	Cell-type specific polysome profiling from mammalian tissues. Methods, 2019, 155, 131-139.	3.8	15
36	Inflammation resolved by retinoid X receptorâ€mediated inactivation of leukotriene signaling pathways. FASEB Journal, 2008, 22, 538-547.	0.5	14

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37	Intersections of post-transcriptional gene regulatory mechanisms with intermediary metabolism. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 349-362.	1.9	14
38	Mdm2 mediates FMRP- and Gp1 mGluR-dependent protein translation and neural network activity. Human Molecular Genetics, 2017, 26, 3895-3908.	2.9	13
39	Antagonism between splicing and microprocessor complex dictates the serum-induced processing of lnc-MIRHG for efficient cell cycle reentry. Rna, 2020, 26, 1603-1620.	3.5	12
40	Uncovering RNA binding proteins associated with age and gender during liver maturation. Scientific Reports, 2015, 5, 9512.	3.3	10
41	Behavioural and anti-psychotic effects of Ca2+ channel blockers in rhesus monkey. European Journal of Pharmacology, 2001, 412, 139-144.	3.5	7
42	Unbiased proteomic screening identifies a novel role for the E3 ubiquitin ligase Nedd4â€2 in translational suppression during ER stress. Journal of Neurochemistry, 2021, 157, 1809-1820.	3.9	6
43	Transcriptomic analysis across liver diseases reveals disease-modulating activation of constitutive androstane receptor in cholestasis. JHEP Reports, 2020, 2, 100140.	4.9	6
44	Nuclear receptors FXR and SHP regulate protein N-glycan modifications in the liver. Science Advances, 2021, 7, .	10.3	6
45	Deregulation of RNA Metabolism in Microsatellite Expansion Diseases. Advances in Neurobiology, 2018, 20, 213-238.	1.8	5
46	Advances in analyzing RNA diversity in eukaryotic transcriptomes: peering through the Omics lens. F1000Research, 2016, 5, 2668.	1.6	3
47	SimiC enables the inference of complex gene regulatory dynamics across cell phenotypes. Communications Biology, 2022, 5, 351.	4.4	3
48	Cytochrome P450 4Fs as a novel target in treatment of inflammatory skin disease. FASEB Journal, 2006, 20, .	0.5	0
49	Abstract P104: Reactivation of Embryonic Gene Program due to CUG Repeat RNA Expression in Myotonic Dystrophy. Circulation Research, 2011, 109, .	4.5	0