

Auinash Kalsotra

List of Publications by Year in descending order

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Version: 2024-02-01

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	SimiC enables the inference of complex gene regulatory dynamics across cell phenotypes. <i>Communications Biology</i> , 2022, 5, 351.	4.4	3
2	Unbiased proteomic screening identifies a novel role for the E3 ubiquitin ligase Nedd4 in translational suppression during ER stress. <i>Journal of Neurochemistry</i> , 2021, 157, 1809-1820.	3.9	6
3	Cellular plasticity balances the metabolic and proliferation dynamics of a regenerating liver. <i>Genome Research</i> , 2021, 31, 576-591.	5.5	53
4	Nuclear receptors FXR and SHP regulate protein N-glycan modifications in the liver. <i>Science Advances</i> , 2021, 7, .	10.3	6
5	Antagonism between splicing and microprocessor complex dictates the serum-induced processing of lnc-MIRHG for efficient cell cycle reentry. <i>Rna</i> , 2020, 26, 1603-1620.	3.5	12
6	Transcriptomic analysis across liver diseases reveals disease-modulating activation of constitutive androstane receptor in cholestasis. <i>JHEP Reports</i> , 2020, 2, 100140.	4.9	6
7	Complementary Oligonucleotide Conjugated Multicolor Carbon Dots for Intracellular Recognition of Biological Events. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16137-16149.	8.0	34
8	Aberrant Expression of a Non-muscle RBFOX2 Isoform Triggers Cardiac Conduction Defects in Myotonic Dystrophy. <i>Developmental Cell</i> , 2020, 52, 748-763.e6.	7.0	31
9	Cellular and molecular basis of liver regeneration. <i>Seminars in Cell and Developmental Biology</i> , 2020, 100, 74-87.	5.0	23
10	Effect of PFOA on DNA Methylation and Alternative Splicing in Mouse Liver. <i>Toxicology Letters</i> , 2020, 329, 38-46.	0.8	26
11	Epithelial splicing regulatory protein 2-mediated alternative splicing reprograms hepatocytes in severe alcoholic hepatitis. <i>Journal of Clinical Investigation</i> , 2020, 130, 2129-2145.	8.2	49
12	Intrinsically cell-penetrating multivalent and multitargeting ligands for myotonic dystrophy type 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8709-8714.	7.1	39
13	Cell-type specific polysome profiling from mammalian tissues. <i>Methods</i> , 2019, 155, 131-139.	3.8	15
14	Alternative splicing rewires Hippo signaling pathway in hepatocytes to promote liver regeneration. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 928-939.	8.2	58
15	Deregulation of RNA Metabolism in Microsatellite Expansion Diseases. <i>Advances in Neurobiology</i> , 2018, 20, 213-238.	1.8	5
16	RNA modifications and structures cooperate to guide RNA-protein interactions. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 202-210.	37.0	225
17	Intersections of post-transcriptional gene regulatory mechanisms with intermediary metabolism. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 349-362.	1.9	14
18	Myotonic dystrophy: disease repeat range, penetrance, age of onset, and relationship between repeat size and phenotypes. <i>Current Opinion in Genetics and Development</i> , 2017, 44, 30-37.	3.3	80

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19	Maternal dead-end 1 promotes translation of nanos1 through binding the eIF3 complex. <i>Development (Cambridge)</i> , 2017, 144, 3755-3765.	2.5	25
20	Mdm2 mediates FMRP- and Gp1 mGluR-dependent protein translation and neural network activity. <i>Human Molecular Genetics</i> , 2017, 26, 3895-3908.	2.9	13
21	Poly(A) tail length regulates PABPC1 expression to tune translation in the heart. <i>ELife</i> , 2017, 6, .	6.0	65
22	Advances in analyzing RNA diversity in eukaryotic transcriptomes: peering through the Omics lens. <i>F1000Research</i> , 2016, 5, 2668.	1.6	3
23	Uncovering RNA binding proteins associated with age and gender during liver maturation. <i>Scientific Reports</i> , 2015, 5, 9512.	3.3	10
24	Developmental insights into the pathology of and therapeutic strategies for DM1: Back to the basics. <i>Developmental Dynamics</i> , 2015, 244, 377-390.	1.8	60
25	Systematic Profiling of Poly(A)+ Transcripts Modulated by Core 3â€™ End Processing and Splicing Factors Reveals Regulatory Rules of Alternative Cleavage and Polyadenylation. <i>PLoS Genetics</i> , 2015, 11, e1005166.	3.5	217
26	ESRP2 controls an adult splicing programme in hepatocytes to support postnatal liver maturation. <i>Nature Communications</i> , 2015, 6, 8768.	12.8	83
27	Impaired Mitochondrial Energy Production Causes Light-Induced Photoreceptor Degeneration Independent of Oxidative Stress. <i>PLoS Biology</i> , 2015, 13, e1002197.	5.6	48
28	The Mef2 Transcription Network Is Disrupted in Myotonic Dystrophy Heart Tissue, Dramatically Altering miRNA and mRNA Expression. <i>Cell Reports</i> , 2014, 6, 336-345.	6.4	83
29	Rbfox2-Coordinated Alternative Splicing of Mef2d and Rock2 Controls Myoblast Fusion during Myogenesis. <i>Molecular Cell</i> , 2014, 55, 592-603.	9.7	104
30	Alternative splicing regulates vesicular trafficking genes in cardiomyocytes during postnatal heart development. <i>Nature Communications</i> , 2014, 5, 3603.	12.8	133
31	Functional consequences of developmentally regulated alternative splicing. <i>Nature Reviews Genetics</i> , 2011, 12, 715-729.	16.3	624
32	Abstract P104: Reactivation of Embryonic Gene Program due to CUG Repeat RNA Expression in Myotonic Dystrophy. <i>Circulation Research</i> , 2011, 109, .	4.5	0
33	MicroRNAs coordinate an alternative splicing network during mouse postnatal heart development. <i>Genes and Development</i> , 2010, 24, 653-658.	5.9	114
34	Expression of 24,426 human alternative splicing events and predicted cis regulation in 48 tissues and cell lines. <i>Nature Genetics</i> , 2008, 40, 1416-1425.	21.4	272
35	Inflammation resolved by retinoid X receptorâ€‘mediated inactivation of leukotriene signaling pathways. <i>FASEB Journal</i> , 2008, 22, 538-547.	0.5	14
36	A postnatal switch of CELF and MBNL proteins reprograms alternative splicing in the developing heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20333-20338.	7.1	433

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37	CYP4Fs Expression in Rat Brain Correlates with Changes in LTB ₄ Levels after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2008, 25, 1187-1194.	3.4	21
38	Catalytic characterization and cytokine mediated regulation of cytochrome P450 4Fs in rat hepatocytes. <i>Archives of Biochemistry and Biophysics</i> , 2007, 461, 104-112.	3.0	27
39	Brain Trauma Leads to Enhanced Lung Inflammation and Injury: Evidence for Role of P4504Fs in Resolution. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 963-974.	4.3	87
40	Cytochrome P450 4F subfamily: At the crossroads of eicosanoid and drug metabolism. , 2006, 112, 589-611.		115
41	Cytochrome P450 4Fs as a novel target in treatment of inflammatory skin disease. <i>FASEB Journal</i> , 2006, 20, .	0.5	0
42	Renal localization, expression, and developmental regulation of P450 4F cytochromes in three substrains of spontaneously hypertensive rats. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 423-431.	2.1	19
43	CAR/PXR provide directives for Cyp3a41 gene regulation differently from Cyp3a11. <i>Pharmacogenomics Journal</i> , 2004, 4, 91-101.	2.0	36
44	Expression and characterization of human cytochrome P450 4F11: Putative role in the metabolism of therapeutic drugs and eicosanoids. <i>Toxicology and Applied Pharmacology</i> , 2004, 199, 295-304.	2.8	81
45	Inflammatory prompts produce isoform-specific changes in the expression of leukotriene B ₄ ð-hydroxylases in rat liver and kidney. <i>FEBS Letters</i> , 2003, 555, 236-242.	2.8	23
46	Differential Effects of Traumatic Brain Injury on the Cytochrome P450 System: A Perspective into Hepatic and Renal Drug Metabolism. <i>Journal of Neurotrauma</i> , 2003, 20, 1339-1350.	3.4	65
47	Genomic characterization and regulation of CYP3a13: role of xenobiotics and nuclear receptors. <i>FASEB Journal</i> , 2003, 17, 1736-1738.	0.5	27
48	Sexual Dimorphism and Tissue Specificity in the Expression of CYP4F Forms in Sprague Dawley Rats. <i>Drug Metabolism and Disposition</i> , 2002, 30, 1022-1028.	3.3	56
49	Behavioural and anti-psychotic effects of Ca ²⁺ channel blockers in rhesus monkey. <i>European Journal of Pharmacology</i> , 2001, 412, 139-144.	3.5	7