

Tamas I Orban

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,498
citations

361296

20
h-index

330025

37
g-index

56
all docs

56
docs citations

56
times ranked

2365
citing authors

#	ARTICLE	IF	CITATIONS
1	Decay of mRNAs targeted by RISC requires XRN1, the Ski complex, and the exosome. <i>Rna</i> , 2005, 11, 459-469.	1.6	295
2	Emerging roles of BRCA1 alternative splicing. <i>Journal of Clinical Pathology</i> , 2003, 56, 191-197.	2.1	117
3	The nonstop decay and the RNA silencing systems operate cooperatively in plants. <i>Nucleic Acids Research</i> , 2018, 46, 4632-4648.	6.5	79
4	High level functional expression of the ABCG2 multidrug transporter in undifferentiated human embryonic stem cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2700-2709.	1.4	77
5	Extensive astrocyte synchronization advances neuronal coupling in slow wave activity in vivo. <i>Scientific Reports</i> , 2017, 7, 6018.	1.6	65
6	Expression Profiles of BRCA1 Splice Variants in Asynchronous and in G1/S Synchronized Tumor Cell Lines. <i>Biochemical and Biophysical Research Communications</i> , 2001, 280, 32-38.	1.0	60
7	Ins and outs of the ABCG2 multidrug transporter: An update on in vitro functional assays. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 47-56.	6.6	57
8	Applying a "Double-Feature" Promoter to Identify Cardiomyocytes Differentiated from Human Embryonic Stem Cells Following Transposon-Based Gene Delivery. <i>Stem Cells</i> , 2009, 27, 1077-1087.	1.4	55
9	Purifying selection on silent sites " a constraint from splicing regulation?. <i>Trends in Genetics</i> , 2001, 17, 252-253.	2.9	47
10	IsomiR Species and DNA Contamination Influence Reliable Quantification of MicroRNAs by Stem-Loop Quantitative PCR. <i>PLoS ONE</i> , 2014, 9, e106315.	1.1	46
11	Circulating exosomal and Argonaute-bound microRNAs in preeclampsia. <i>Gene</i> , 2019, 692, 138-144.	1.0	45
12	Reliable transgene-independent method for determining Sleeping Beauty transposon copy numbers. <i>Mobile DNA</i> , 2011, 2, 5.	1.3	41
13	Mitoxantrone is expelled by the ABCG2 multidrug transporter directly from the plasma membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 154-163.	1.4	34
14	Combined localization and real-time functional studies using a GFP-tagged ABCG2 multidrug transporter. <i>Biochemical and Biophysical Research Communications</i> , 2008, 367, 667-673.	1.0	30
15	Evaluation of ABCG2 Expression in Human Embryonic Stem Cells: Crossing the Same River Twice? <i>Stem Cells</i> , 2010, 28, 174-176.	1.4	30
16	Type and location of isocitrate dehydrogenase mutations influence clinical characteristics and disease outcome of acute myeloid leukemia. <i>Leukemia and Lymphoma</i> , 2013, 54, 1028-1035.	0.6	30
17	Characterization of calcium signals in human embryonic stem cells and in their differentiated offspring by a stably integrated calcium indicator protein. <i>Cellular Signalling</i> , 2013, 25, 752-759.	1.7	26
18	Visualization of Calcium Dynamics in Kidney Proximal Tubules. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2731-2740.	3.0	26

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19	Human mirtrons can express functional microRNAs simultaneously from both arms in a flanking exon-independent manner. <i>RNA Biology</i> , 2012, 9, 1177-1185.	1.5	25
20	Dynamic ABCG2 expression in human embryonic stem cells provides the basis for stress response. <i>European Biophysics Journal</i> , 2013, 42, 169-179.	1.2	23
21	Constitutive intracellular expression and activation-induced cell surface up-regulation of CD44v3 in human T lymphocytes. <i>European Journal of Immunology</i> , 2001, 31, 600-608.	1.6	20
22	Excision Efficiency Is Not Strongly Coupled to Transgenic Rate: Cell Type-Dependent Transposition Efficiency of <i>Sleeping Beauty</i> and <i>piggyBac</i> DNA Transposons. <i>Human Gene Therapy Methods</i> , 2014, 25, 241-252.	2.1	20
23	Cellular expression and function of naturally occurring variants of the human ABCG2 multidrug transporter. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 365-378.	2.4	20
24	Targeting signal transduction. <i>Advances in Enzyme Regulation</i> , 2003, 43, 47-56.	2.9	18
25	Stimulus-induced expression of the ABCG2 multidrug transporter in HepG2 hepatocarcinoma model cells involves the ERK1/2 cascade and alternative promoters. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 172-176.	1.0	18
26	PI3-kinase and mTOR inhibitors differently modulate the function of the ABCG2 multidrug transporter. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 869-874.	1.0	16
27	Expression pattern of the human ABC transporters in pluripotent embryonic stem cells and in their derivatives. , 2014, , n/a-n/a.		16
28	Characterization of calcium signals in human induced pluripotent stem cell-derived dentate gyrus neuronal progenitors and mature neurons, stably expressing an advanced calcium indicator protein. <i>Molecular and Cellular Neurosciences</i> , 2018, 88, 222-230.	1.0	16
29	Sequence Alterations Can Mask Each Other's Presence during Screening with SSCP or Heteroduplex Analysis: BRCA Genes as Examples. <i>BioTechniques</i> , 2000, 29, 94-98.	0.8	15
30	Expression pattern of the human ABC transporters in pluripotent embryonic stem cells and in their derivatives. , 2014, 86, 299-310.		13
31	Precision-engineered reporter cell lines reveal ABCG2 regulation in live lung cancer cells. <i>Biochemical Pharmacology</i> , 2020, 175, 113865.	2.0	13
32	Generation of multidrug resistant human tissues by overexpression of the ABCG2 multidrug transporter in embryonic stem cells. <i>PLoS ONE</i> , 2018, 13, e0194925.	1.1	12
33	A transgenic rat hepatocyte - Kupffer cell co-culture model for evaluation of direct and macrophage-related effect of poly(amidoamine) dendrimers. <i>Toxicology in Vitro</i> , 2017, 38, 159-169.	1.1	10
34	Generation of a Homozygous Transgenic Rat Strain Stably Expressing a Calcium Sensor Protein for Direct Examination of Calcium Signaling. <i>Scientific Reports</i> , 2015, 5, 12645.	1.6	9
35	Human pluripotent stem cells in pharmacological and toxicological screening: new perspectives for personalized medicine. <i>Personalized Medicine</i> , 2011, 8, 347-364.	0.8	8
36	Functional characterization of the ABCG2 5' non-coding exon variants: Stem cell specificity, translation efficiency and the influence of drug selection. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 943-951.	0.9	8

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37	The nucleoside diphosphate kinase NDK1/NME1 promotes phagocytosis in concert with DYN1/Dynamin. <i>FASEB Journal</i> , 2019, 33, 11606-11614.	0.2	8
38	Straightforward and effective synthesis of β -aminobutyric acid transporter subtype 2-selective acyl-substituted azaspiro[4.5]decanes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 417-423.	1.0	7
39	The importance of drug transporters in human pluripotent stem cells and in early tissue differentiation. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 77-92.	1.5	7
40	Tissue-specific and transcription-dependent mechanisms regulate primary microRNA processing efficiency of the human chromosome 19 MicroRNA cluster. <i>RNA Biology</i> , 2021, 18, 1170-1180.	1.5	7
41	Ct shift: A novel and accurate real-time PCR quantification model for direct comparison of different nucleic acid sequences and its application for transposon quantifications. <i>Gene</i> , 2017, 598, 43-49.	1.0	6
42	Functional indications for transposase domestications – Characterization of the human piggyBac transposase derived (PGBD) activities. <i>Gene</i> , 2022, 834, 146609.	1.0	4
43	Experimental Validation of Predicted Mammalian MicroRNAs of Mirtron Origin. <i>Methods in Molecular Biology</i> , 2014, 1182, 245-263.	0.4	3
44	Efficient Generation of Human Embryonic Stem Cell-Derived Cardiac Progenitors Based on Tissue-Specific Enhanced Green Fluorescence Protein Expression. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 35-45.	1.1	3
45	Transcription activity of transposon sequence limits Sleeping Beauty transposition. <i>Gene</i> , 2018, 676, 184-188.	1.0	2
46	Establishing a human embryonic stem cell clone with a heterozygous mutation in the DGCR8 gene. <i>Stem Cell Research</i> , 2021, 50, 102134.	0.3	2
47	Posttranscriptional Regulation of the Human ABCG2 Multidrug Transporter Protein by Artificial Mirtrons. <i>Genes</i> , 2021, 12, 1068.	1.0	2
48	Hemodynamic characterization of a transgenic rat strain stably expressing the calcium sensor protein GCaMP2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1224-H1228.	1.5	1
49	Precisely Targeted Reporters Reveal ABCG2 Regulation in Live Lung Cancer Cells. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
50	Abstract 3027: Pharmacological regulation of the ABCG2 multidrug transporter in A549 non-small cell lung cancer cells. , 2019, , .		0