Tamas Ordog

List of Publications by Year in descending order

99 papers	5,801 citations	76326 40 h-index	82547 72 g-index
105 all docs	105 docs citations	105 times ranked	7637 citing authors

#	Article	IF	Citations
1	Ano1 is a selective marker of interstitial cells of Cajal in the human and mouse gastrointestinal tract. American Journal of Physiology - Renal Physiology, 2009, 296, G1370-G1381.	3.4	320
2	Longitudinal Multi-omics Reveals Subset-Specific Mechanisms Underlying Irritable Bowel Syndrome. Cell, 2020, 182, 1460-1473.e17.	28.9	217
3	Heme Oxygenase-1 Protects Interstitial Cells of Cajal From Oxidative Stress and Reverses Diabetic Gastroparesis. Gastroenterology, 2008, 135, 2055-2064.e2.	1.3	212
4	The histone H3.3K36M mutation reprograms the epigenome of chondroblastomas. Science, 2016, 352, 1344-1348.	12.6	211
5	Reduced Stem Cell Factor Links Smooth Myopathy and Loss of Interstitial Cells of Cajal in Murine Diabetic Gastroparesis. Gastroenterology, 2006, 130, 759-770.	1.3	208
6	Interstitial cells of Cajal generate electrical slow waves in the murine stomach. Journal of Physiology, 1999, 518, 257-269.	2.9	198
7	Vascular Endothelial Growth Factor Promotes Fibrosis Resolution and Repair in Mice. Gastroenterology, 2014, 146, 1339-1350.e1.	1.3	196
8	CD206-Positive M2 Macrophages That Express Heme Oxygenase-1 Protect Against Diabetic Gastroparesis in Mice. Gastroenterology, 2010, 138, 2399-2409.e1.	1.3	189
9	Distinct epigenetic landscapes underlie the pathobiology of pancreatic cancer subtypes. Nature Communications, 2018, 9, 1978.	12.8	177
10	Strand-Specific Analysis Shows Protein Binding at Replication Forks and PCNA Unloading from Lagging Strands when Forks Stall. Molecular Cell, 2014, 56, 551-563.	9.7	153
11	Dystrophin is a tumor suppressor in human cancers with myogenic programs. Nature Genetics, 2014, 46, 601-606.	21.4	142
12	Progenitors of Interstitial Cells of Cajal in the Postnatal Murine Stomach. Gastroenterology, 2008, 134, 1083-1093.	1.3	140
13	Interstitial cells of Cajal in diabetic gastroenteropathy. Neurogastroenterology and Motility, 2008, 20, 8-18.	3.0	118
14	IV. Genetic and animal models of GI motility disorders caused by loss of interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2002, 282, G747-G756.	3.4	116
15	BET Inhibitors Suppress ALDH Activity by Targeting ALDH1A1 Super-Enhancer in Ovarian Cancer. Cancer Research, 2016, 76, 6320-6330.	0.9	115
16	Kitlow Stem Cells Cause Resistance to Kit/Platelet-Derived Growth Factor Î± Inhibitors in Murine Gastrointestinal Stromal Tumors. Gastroenterology, 2010, 139, 942-952.	1.3	112
17	p21 produces a bioactive secretome that places stressed cells under immunosurveillance. Science, 2021, 374, eabb3420.	12.6	112
18	Development of interstitial cells of Cajal and pacemaking in mice lacking enteric nerves. Gastroenterology, 1999, 117, 584-594.	1.3	108

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19	Differential gene expression in functional classes of interstitial cells of Cajal in murine small intestine. Physiological Genomics, 2007, 31, 492-509.	2.3	104
20	Altered Expression of Ano1 Variants in Human Diabetic Gastroparesis. Journal of Biological Chemistry, 2011, 286, 13393-13403.	3.4	95
21	Reduced Insulin and IGF-I Signaling, not Hyperglycemia, Underlies the Diabetes-Associated Depletion of Interstitial Cells of Cajal in the Murine Stomach. Diabetes, 2005, 54, 1528-1533.	0.6	90
22	A functional family-wide screening of SP/KLF proteins identifies a subset of suppressors of KRAS-mediated cell growth. Biochemical Journal, 2011, 435, 529-537.	3.7	85
23	Ano1, a Ca²⁺â€activated Cl^{â^'} channel, coordinates contractility in mouse intestine by Ca²⁺ transient coordination between interstitial cells of Cajal. Journal of Physiology, 2014, 592, 4051-4068.	2.9	84
24	RPA Interacts with HIRA and Regulates H3.3 Deposition at Gene Regulatory Elements in Mammalian Cells. Molecular Cell, 2017, 65, 272-284.	9.7	83
25	Ano1 as a regulator of proliferation. American Journal of Physiology - Renal Physiology, 2011, 301, G1044-G1051.	3.4	78
26	Inhibition of cell proliferation by a selective inhibitor of the Ca2+-activated Clâ^' channel, Ano1. Biochemical and Biophysical Research Communications, 2012, 427, 248-253.	2.1	78
27	Muscarinic regulation of pacemaker frequency in murine gastric interstitial cells of Cajal. Journal of Physiology, 2003, 546, 415-425.	2.9	72
28	USP51 deubiquitylates H2AK13,15ub and regulates DNA damage response. Genes and Development, 2016, 30, 946-959.	5.9	72
29	Conditional genetic deletion of Ano1 in interstitial cells of Cajal impairs Ca²⁺ transients and slow waves in adult mouse small intestine. American Journal of Physiology - Renal Physiology, 2017, 312, G228-G245.	3.4	72
30	CARM1-expressing ovarian cancer depends on the histone methyltransferase EZH2 activity. Nature Communications, 2018, 9, 631.	12.8	72
31	Selective labeling and isolation of functional classes of interstitial cells of Cajal of human and murine small intestine. American Journal of Physiology - Cell Physiology, 2007, 292, C497-C507.	4.6	70
32	Platelet-Derived Growth Factor Receptor-Î± Regulates Proliferation of Gastrointestinal Stromal Tumor Cells With Mutations in KIT by Stabilizing ETV1. Gastroenterology, 2015, 149, 420-432.e16.	1.3	68
33	Change in Populations of Macrophages Promotes Development of Delayed Gastric Emptying in Mice. Gastroenterology, 2018, 154, 2122-2136.e12.	1.3	64
34	Plasticity of electrical pacemaking by interstitial cells of Cajal and gastric dysrhythmias in W/Wv mutant mice. Gastroenterology, 2002, 123, 2028-2040.	1.3	63
35	Hyperglycemia Increases Interstitial Cells of Cajal via MAPK1 and MAPK3 Signaling to ETV1 and KIT, Leading to Rapid Gastric Emptying. Gastroenterology, 2017, 153, 521-535.e20.	1.3	59
36	Neural regulation of slow-wave frequency in the murine gastric antrum. American Journal of Physiology - Renal Physiology, 2006, 290, G486-G495.	3.4	56

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37	Aberrant signature methylome by DNMT1 hot spot mutation in hereditary sensory and autonomic neuropathy 1E. Epigenetics, 2014, 9, 1184-1193.	2.7	55
38	Recurrent MSCE116K mutations in ALK-negative anaplastic large cell lymphoma. Blood, 2019, 133, 2776-2789.	1.4	55
39	Gene expression, methylation and neuropathology correlations at progressive supranuclear palsy risk loci. Acta Neuropathologica, 2016, 132, 197-211.	7.7	49
40	Loss of Kitlowprogenitors, reduced stem cell factor and high oxidative stress underlie gastric dysfunction in progeric mice. Journal of Physiology, 2010, 588, 3101-3117.	2.9	44
41	Specialized Mechanosensory Epithelial Cells in Mouse Gut Intrinsic Tactile Sensitivity. Gastroenterology, 2022, 162, 535-547.e13.	1.3	44
42	A Novel Pacemaker Mechanism Drives Gastrointestinal Rhythmicity. Physiology, 2000, 15, 291-298.	3.1	42
43	Conserved DNA methylation combined with differential frontal cortex and cerebellar expression distinguishes C9orf72-associated and sporadic ALS, and implicates SERPINA1 in disease. Acta Neuropathologica, 2017, 134, 715-728.	7.7	40
44	TGFÎ²-induced fibroblast activation requires persistent and targeted HDAC-mediated gene repression. Journal of Cell Science, 2019, 132, .	2.0	40
45	Inferring multimodal latent topics from electronic health records. Nature Communications, 2020, 11, 2536.	12.8	40
46	Diabetic Csf1op/op Mice Lacking Macrophages Are Protected Against the Development of Delayed Gastric Emptying. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 40-47.	4.5	38
47	Regulation of pacemaker frequency in the murine gastric antrum. Journal of Physiology, 2002, 538, 145-157.	2.9	37
48	Identification and characterization of a novel promoter for the human ANO1 gene regulated by the transcription factor signal transducer and activator of transcription 6 (STAT6). FASEB Journal, 2015, 29, 152-163.	0.5	37
49	Super enhancer regulation of cytokine-induced chemokine production in alcoholic hepatitis. Nature Communications, 2021, 12, 4560.	12.8	37
50	Genomic and Epigenomic Landscaping Defines New Therapeutic Targets for Adenosquamous Carcinoma of the Pancreas. Cancer Research, 2020, 80, 4324-4334.	0.9	36
51	Chromatin Assembly Factor 1 (CAF-1) facilitates the establishment of facultative heterochromatin during pluripotency exit. Nucleic Acids Research, 2019, 47, 11114-11131.	14.5	35
52	Purification of nanogram-range immunoprecipitated DNA in ChIP-seq application. BMC Genomics, 2017, 18, 985.	2.8	34
53	Acute Depletion Redefines the Division of Labor among DNA Methyltransferases in Methylating the Human Genome. Cell Reports, 2014, 9, 1554-1566.	6.4	33
54	Stem Cells for Murine Interstitial Cells of Cajal Suppress Cellular Immunity and Colitis Via Prostaglandin E2 Secretion. Gastroenterology, 2015, 148, 978-990.	1.3	33

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55	Purification of interstitial cells of Cajal by fluorescence-activated cell sorting. American Journal of Physiology - Cell Physiology, 2004, 286, C448-C456.	4.6	30
56	Hedgehog pathway dysregulation contributes to the pathogenesis of human gastrointestinal stromal tumors via GLI-mediated activation of KIT expression. Oncotarget, 2016, 7, 78226-78241.	1.8	29
57	On the Role of Gonadotropin-Releasing Hormone (GnRH) in the Operation of the GnRH Pulse Generator in the Rhesus Monkey. Neuroendocrinology, 1997, 65, 307-313.	2.5	27
58	Quantitative analysis by flow cytometry of interstitial cells of Cajal, pacemakers, and mediators of neurotransmission in the gastrointestinal tract. , 2004, 62A, 139-149.		26
59	Genomic aberrations in cell cycle genes predict progression of KIT-mutant gastrointestinal stromal tumors (GISTs). Clinical Sarcoma Research, 2019, 9, 3.	2.3	26
60	FAM96A is a novel pro-apoptotic tumor suppressor in gastrointestinal stromal tumors. International Journal of Cancer, 2015, 137, 1318-1329.	5.1	25
61	Protein Kinase CÎ³ Mediates Regulation of Proliferation by the Serotonin 5-Hydroxytryptamine Receptor 2B. Journal of Biological Chemistry, 2009, 284, 21177-21184.	3.4	23
62	Genome-Wide Epigenetic Studies in Human Disease: A Primer on -Omic Technologies. American Journal of Epidemiology, 2016, 183, kwv187.	3.4	23
63	Interleukin 10 Restores Gastric Emptying, Electrical Activity, andÂInterstitial Cells of Cajal Networks in Diabetic Mice. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 454-467.	4.5	23
64	ZNF416 is a pivotal transcriptional regulator of fibroblast mechanoactivation. Journal of Cell Biology, 2021, 220, .	5.2	23
65	HDAC3 restrains CD8-lineage genes to maintain a bi-potential state in CD4+CD8+ thymocytes for CD4-lineage commitment. ELife, 2019, 8, .	6.0	23
66	Muscularis Propria Macrophages Alter the Proportion of Nitrergic but Not Cholinergic Gastric Myenteric Neurons. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 689-691.e4.	4.5	22
67	Immunomagnetic enrichment of interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2004, 286, G351-G360.	3.4	21
68	Time-restricted feeding prevents deleterious metabolic effects of circadian disruption through epigenetic control of Î² cell function. Science Advances, 2021, 7, eabg6856.	10.3	21
69	Conductances responsible for slow wave generation and propagation in interstitial cells of Cajal. Current Opinion in Pharmacology, 2003, 3, 579-582.	3.5	20
70	Altered gut microbiota in female mice with persistent low body weights following removal of post-weaning chronic dietary restriction. Genome Medicine, 2016, 8, 103.	8.2	20
71	On the mechanism of lactational anovulation in the rhesus monkey. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E665-E676.	3.5	19
72	Myosin-1E interacts with FAK proline-rich region 1 to induce fibronectin-type matrix. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3933-3938.	7.1	18

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73	microRNA overexpression in slow transit constipation leads to reduced Na_V1.5 current and altered smooth muscle contractility. Gut, 2020, 69, 868-876.	12.1	18
74	Polycomb and the Emerging Epigenetics of Pancreatic Cancer. Journal of Gastrointestinal Cancer, 2011, 42, 100-111.	1.3	17
75	Oncogenic gene expression and epigenetic remodeling of cis-regulatory elements in ASXL1-mutant chronic myelomonocytic leukemia. Nature Communications, 2022, 13, 1434.	12.8	17
76	Inhibition of oestradiol-induced DNA synthesis by opioid peptides in the rat uterus. Life Sciences, 1992, 51, 1187-1196.	4.3	16
77	Enhanced and controlled chromatin extraction from FFPE tissues and the application to ChIP-seq. BMC Genomics, 2019, 20, 249.	2.8	16
78	TCF7L2 lncRNA: a link between bipolar disorder and body mass index through glucocorticoid signaling. Molecular Psychiatry, 2021, 26, 7454-7464.	7.9	16
79	Membrane-To-Nucleus Signaling Links Insulin-Like Growth Factor-1- and Stem Cell Factor-Activated Pathways. PLoS ONE, 2013, 8, e76822.	2.5	14
80	A droplet microfluidic platform for efficient enzymatic chromatin digestion enables robust determination of nucleosome positioning. Lab on A Chip, 2018, 18, 2583-2592.	6.0	13
81	Single Nucleotide Polymorphisms at a Distance from Aryl Hydrocarbon Receptor (AHR) Binding Sites Influence AHR Ligandâ€“Dependent Gene Expression. Drug Metabolism and Disposition, 2019, 47, 983-994.	3.3	13
82	ASXL1-Mutant Chronic Myelomonocytic Leukemia Is Associated with Increased Intratumoral Heterogeneity and Single-Cell Chromatin Co-Accessibility. Blood, 2020, 136, 27-28.	1.4	13
83	Adenovirus-based short hairpin RNA vectors containing an EGFP marker and mouse U6, human H1, or human U6 promoter. BioTechniques, 2005, 38, 625-627.	1.8	12
84	Changes of [3H]naloxone binding in oestrogen stimulated rat uterus. Journal of Steroid Biochemistry and Molecular Biology, 1993, 46, 819-825.	2.5	10
85	Do we need to revise the role of interstitial cells of Cajal in gastrointestinal motility?. American Journal of Physiology - Renal Physiology, 2008, 294, G368-G371.	3.4	9
86	Targeting Disease Persistence in Gastrointestinal Stromal Tumors. Stem Cells Translational Medicine, 2015, 4, 702-707.	3.3	9
87	Wnt-induced, TRP53-mediated Cell Cycle Arrest of Precursors Underlies Interstitial Cell of Cajal Depletion During Aging. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 117-145.	4.5	9
88	Duodenal mucosal mitochondrial gene expression is associated with delayed gastric emptying in diabetic gastroenteropathy. JCI Insight, 2021, 6, .	5.0	9
89	Translational Opportunities for Microfluidic Technologies to Enable Precision Epigenomics. Analytical Chemistry, 2020, 92, 7989-7997.	6.5	8
90	Role of endogenous opioids in progesterone antagonism on oestradiol-induced DNA synthesis in the rat uterus. Journal of Steroid Biochemistry and Molecular Biology, 1993, 45, 455-457.	2.5	6

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91	Epigenetic Alterations Are Associated With Gastric Emptying Disturbances in Diabetes Mellitus. Clinical and Translational Gastroenterology, 2020, 11, e00136.	2.5	5
92	Plasma Cell-Free DNA Methylomics of Bipolar Disorder With and Without Rapid Cycling. Frontiers in Neuroscience, 2021, 15, 774037.	2.8	4
93	Epigenetic alteration contributes to the transcriptional reprogramming in T-cell prolymphocytic leukemia. Scientific Reports, 2021, 11, 8318.	3.3	3
94	Association Between Renal Cell Carcinoma and Myelodysplastic Syndromes: Epigenetic Underpinning?. Clinical Genitourinary Cancer, 2018, 16, e1117-e1122.	1.9	1
95	Bioinformatics Strategies for Identifying Regions of Epigenetic Deregulation Associated with Aberrant Transcript Splicing and RNA-editing. , 2015, , .		1
96	3D registration of micro PET-CT for measurable correlates of dyspeptic symptoms in mice. Proceedings of SPIE, 2009, 7262, 72620Z.	0.8	0
97	The common point for forensic and anthropologic genetics and individualized medicineNinth ISABS Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures on Individualized Medicine, Bol, Croatia, June 22-26, 2015. Croatian Medical Journal, 2015, 56, 177-178.	0.7	0
98	Ano1 as a regulator of proliferation. FASEB Journal, 2011, 25, lb115.	0.5	0
99	Gene Body Methylation and Transcriptional Activity in ASXL1-Mutant Chronic Myelomonocytic Leukemia. Blood, 2020, 136, 31-32.	1.4	0