

Konstantinos Anastassiadis

List of Publications by Year in descending order

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89
papers

10,297
citations

71102

41
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51608

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97
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97
docs citations

97
times ranked

15082
citing authors

#	ARTICLE	IF	CITATIONS
1	RIP2-deficiency induces inflammation in response to SV40 Large T induced genotoxic stress through altered ROS homeostasis. <i>Clinical Immunology</i> , 2022, 238, 108998.	3.2	1
2	<i>Tsga8</i> is required for spermatid morphogenesis and male fertility in mice. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	2
3	Reduced purine biosynthesis in humans after their divergence from Neandertals. <i>ELife</i> , 2021, 10, .	6.0	12
4	Enhancers are activated by p300/CBP activity-dependent PIC assembly, RNAPII recruitment, and pause release. <i>Molecular Cell</i> , 2021, 81, 2166-2182.e6.	9.7	94
5	MLL1 is required for maintenance of intestinal stem cells. <i>PLoS Genetics</i> , 2021, 17, e1009250.	3.5	5
6	N6-methyladenosine (m ⁶ A) depletion regulates pluripotency exit by activating signaling pathways in embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
7	A Novel GATA2 Protein Reporter Mouse Reveals Hematopoietic Progenitor Cell Types. <i>Stem Cell Reports</i> , 2020, 15, 326-339.	4.8	12
8	The role of SETD1A and SETD1B in development and disease. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194578.	1.9	12
9	MLL4 is required after implantation whereas MLL3 becomes essential during late gestation. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	18
10	Hox gene expression profiles during embryonic development of common sole. <i>Animal Biology</i> , 2019, 69, 183-198.	1.0	4
11	Prospective isolation of nonhematopoietic cells of the niche and their differential molecular interactions with HSCs. <i>Blood</i> , 2019, 134, 1214-1226.	1.4	27
12	<i>Aldh1b1</i> expression defines progenitor cells in the adult pancreas and is required for Kras-induced pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20679-20688.	7.1	41
13	Inducible IL-7 Hyperexpression Influences Lymphocyte Homeostasis and Function and Increases Allograft Rejection. <i>Frontiers in Immunology</i> , 2019, 10, 742.	4.8	7
14	Hox genes polymorphism depicts developmental disruption of common sole eggs. <i>Open Life Sciences</i> , 2019, 14, 549-563.	1.4	4
15	Distinct pathways affected by menin versus MLL1/MLL2 in MLL-rearranged acute myeloid leukemia. <i>Experimental Hematology</i> , 2019, 69, 37-42.	0.4	13
16	<i>Kmt2b</i> conveys monovalent and bivalent H3K4me3 in mouse spermatogonial stem cells at germline and embryonic promoters. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	26
17	A single reporter mouse line for Vika, Fip, Dre, and Cre-recombination. <i>Scientific Reports</i> , 2018, 8, 14453.	3.3	22
18	Identification and Single-Cell Functional Characterization of an Endodermally Biased Pluripotent Substate in Human Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2018, 10, 1895-1907.	4.8	25

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19	Inductive and Selective Effects of GSK3 and MEK Inhibition on Nanog Heterogeneity in Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 58-69.	4.8	25
20	Clonal Analysis Delineates Transcriptional Programs of Osteogenic and Adipogenic Lineages of Adult Mouse Skeletal Progenitors. <i>Stem Cell Reports</i> , 2018, 11, 212-227.	4.8	9
21	The H3K4 methyltransferase Setd1b is essential for hematopoietic stem and progenitor cell homeostasis in mice. <i>ELife</i> , 2018, 7, .	6.0	34
22	The Dox-pDC - A murine conditionally immortalized plasmacytoid dendritic cell line with native immune profile. <i>PLoS ONE</i> , 2018, 13, e0192437.	2.5	1
23	Human axial progenitors generate trunk neural crest cells in vitro. <i>ELife</i> , 2018, 7, .	6.0	81
24	The histone 3 lysine 4 methyltransferase Setd1b is a maternal effect gene required for the oogenic gene expression program. <i>Development (Cambridge)</i> , 2017, 144, 2606-2617.	2.5	44
25	The contribution of homology arms to nuclease-assisted genome engineering. <i>Nucleic Acids Research</i> , 2017, 45, 8105-8115.	14.5	23
26	MLL2, Not MLL1, Plays a Major Role in Sustaining MLL-Rearranged Acute Myeloid Leukemia. <i>Cancer Cell</i> , 2017, 31, 755-770.e6.	16.8	72
27	A COUP-TFII Human Embryonic Stem Cell Reporter Line to Identify and Select Atrial Cardiomyocytes. <i>Stem Cell Reports</i> , 2017, 9, 1765-1779.	4.8	44
28	Contribution of epigenetic landscapes and transcription factors to X-chromosome reactivation in the inner cell mass. <i>Nature Communications</i> , 2017, 8, 1297.	12.8	52
29	lncRNA Panct1 Maintains Mouse Embryonic Stem Cell Identity by Regulating TOBF1 Recruitment to Oct-Sox Sequences in Early G1. <i>Cell Reports</i> , 2017, 21, 3012-3021.	6.4	35
30	Single-cell mechanical phenotype is an intrinsic marker of reprogramming and differentiation along the mouse neural lineage. <i>Development (Cambridge)</i> , 2017, 144, 4313-4321.	2.5	34
31	TDRD6 mediates early steps of spliceosome maturation in primary spermatocytes. <i>PLoS Genetics</i> , 2017, 13, e1006660.	3.5	15
32	RAC-tagging: Recombineering And Cas9-assisted targeting for protein tagging and conditional analyses. <i>Scientific Reports</i> , 2016, 6, 25529.	3.3	22
33	Retinal Organoids from Pluripotent Stem Cells Efficiently Recapitulate Retinogenesis. <i>Stem Cell Reports</i> , 2016, 6, 525-538.	4.8	236
34	Thy-1/ β 23 Integrin Interaction-Induced Apoptosis of Dermal Fibroblasts Is Mediated by Up-Regulation of FasL Expression. <i>Journal of Investigative Dermatology</i> , 2016, 136, 526-529.	0.7	11
35	Functional Restoration of gp91phox-Oxidase Activity by BAC Transgenesis and Gene Targeting in X-linked Chronic Granulomatous Disease iPSCs. <i>Molecular Therapy</i> , 2016, 24, 812-822.	8.2	22
36	The Role of MLL1 and MLL2 in MLL Fusion Oncoprotein-Initiated Leukemia. <i>Blood</i> , 2016, 128, 573-573.	1.4	0

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37	Sustained Pax6 Expression Generates Primate-like Basal Radial Glia in Developing Mouse Neocortex. <i>PLoS Biology</i> , 2015, 13, e1002217.	5.6	93
38	Induction of Potent CD8 T Cell Cytotoxicity by Specific Targeting of Antigen to Cross-Presenting Dendritic Cells In Vivo via Murine or Human XCR1. <i>Journal of Immunology</i> , 2015, 194, 1069-1079.	0.8	95
39	Network plasticity of pluripotency transcription factors in embryonic stem cells. <i>Nature Cell Biology</i> , 2015, 17, 1235-1246.	10.3	130
40	Breast carcinoma cells modulate the chemoattractive activity of human bone marrow-derived mesenchymal stromal cells by interfering with CXCL12. <i>International Journal of Cancer</i> , 2015, 136, 44-54.	5.1	35
41	Nanog induces hyperplasia without initiating tumors. <i>Stem Cell Research</i> , 2014, 13, 300-315.	0.7	21
42	Mll2 is required for H3K4 trimethylation on bivalent promoters in embryonic stem cells, whereas Mll1 is redundant. <i>Development (Cambridge)</i> , 2014, 141, 526-537.	2.5	225
43	The H3K4 methyltransferase Setd1a is first required at the epiblast stage, whereas Setd1b becomes essential after gastrulation. <i>Development (Cambridge)</i> , 2014, 141, 1022-1035.	2.5	166
44	Cellular Reporter Systems for High-Throughput Screening of Interactions Between Bioactive Matrices and Human Mesenchymal Stromal Cells. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 828-837.	2.1	3
45	Age-Dependent Labeling and Imaging of Insulin Secretory Granules. <i>Diabetes</i> , 2013, 62, 3687-3696.	0.6	58
46	Gene Targeting and Site-Specific Recombination in Mouse ES Cells. <i>Methods in Enzymology</i> , 2013, 533, 133-155.	1.0	11
47	The histone demethylase UTX regulates stem cell migration and hematopoiesis. <i>Blood</i> , 2013, 121, 2462-2473.	1.4	93
48	HIF prolyl hydroxylase 2 (PHD2) is a critical regulator of hematopoietic stem cell maintenance during steady-state and stress. <i>Blood</i> , 2013, 121, 5158-5166.	1.4	41
49	A Localized Wnt Signal Orients Asymmetric Stem Cell Division in Vitro. <i>Science</i> , 2013, 339, 1445-1448.	12.6	296
50	Overexpression of Jagged-1 and Its Intracellular Domain in Human Mesenchymal Stromal Cells Differentially Affect the Interaction with Hematopoietic Stem and Progenitor Cells. <i>Stem Cells and Development</i> , 2013, 22, 2736-2750.	2.1	13
51	Transposon mediated BAC transgenesis via pronuclear injection of mouse zygotes. <i>Genesis</i> , 2013, 51, 135-141.	1.6	25
52	Tightly anchored tissue-mimetic matrices as instructive stem cell microenvironments. <i>Nature Methods</i> , 2013, 10, 788-794.	19.0	195
53	Biallelic Expression of Nanog Protein in Mouse Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2013, 13, 12-13.	11.1	86
54	A short G1 phase is an intrinsic determinant of naïve embryonic stem cell pluripotency. <i>Stem Cell Research</i> , 2013, 10, 118-131.	0.7	229

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55	Generation of Inducible Immortalized Dendritic Cells with Proper Immune Function In Vitro and In Vivo. PLoS ONE, 2013, 8, e62621.	2.5	17
56	Transposon-mediated BAC transgenesis in human ES cells. Nucleic Acids Research, 2012, 40, e150-e150.	14.5	109
57	The mammalian gene function resource: the international knockout mouse consortium. Mammalian Genome, 2012, 23, 580-586.	2.2	292
58	Meiotic DNA double-strand breaks and chromosome asynapsis in mice are monitored by distinct HORMAD2-independent and -dependent mechanisms. Genes and Development, 2012, 26, 958-973.	5.9	128
59	Differential Expression of Surface Markers in Mouse Bone Marrow Mesenchymal Stromal Cell Subpopulations with Distinct Lineage Commitment. PLoS ONE, 2012, 7, e51221.	2.5	60
60	Recombineering BAC transgenes for protein tagging. Methods, 2011, 53, 113-119.	3.8	32
61	Recombineering, transfection, Western, IP and ChIP methods for protein tagging via gene targeting or BAC transgenesis. Methods, 2011, 53, 437-452.	3.8	33
62	PTBP1 Is Required for Embryonic Development before Gastrulation. PLoS ONE, 2011, 6, e16992.	2.5	44
63	Meiotic homologue alignment and its quality surveillance are controlled by mouse HORMAD1. Nature Cell Biology, 2011, 13, 599-610.	10.3	207
64	Targeted isolation of cloned genomic regions by recombineering for haplotype phasing and isogenic targeting. Nucleic Acids Research, 2011, 39, e137-e137.	14.5	14
65	Precise conditional immortalization of mouse cells using tetracycline-regulated SV40 large T antigen. Genesis, 2010, 48, 220-232.	1.6	17
66	An improved Flp deleter mouse in C57Bl/6 based on Flpo recombinase. Genesis, 2010, 48, 512-520.	1.6	128
67	Dually inducible TetON systems for tissue-specific conditional gene expression in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19933-19938.	7.1	82
68	MLL2 Is Required in Oocytes for Bulk Histone 3 Lysine 4 Trimethylation and Transcriptional Silencing. PLoS Biology, 2010, 8, e1000453.	5.6	220
69	A Practical Summary of Site-Specific Recombination, Conditional Mutagenesis, and Tamoxifen Induction of CreERT2. Methods in Enzymology, 2010, 477, 109-123.	1.0	53
70	A Recombineering Pipeline to Make Conditional Targeting Constructs. Methods in Enzymology, 2010, 477, 125-144.	1.0	75
71	Tamoxifen-Independent Recombination in the RIP-CreER Mouse. PLoS ONE, 2010, 5, e13533.	2.5	51
72	Dre recombinase, like Cre, is a highly efficient site-specific recombinase in <i>E. coli</i> , mammalian cells and mice. DMM Disease Models and Mechanisms, 2009, 2, 508-515.	2.4	254

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73	The histone 3 lysine 4 methyltransferase, Mll2, is only required briefly in development and spermatogenesis. <i>Epigenetics and Chromatin</i> , 2009, 2, 5.	3.9	154
74	Doxycycline-dependent photoactivated gene expression in eukaryotic systems. <i>Nature Methods</i> , 2009, 6, 527-531.	19.0	81
75	A Genome-Scale RNAi Screen for Oct4 Modulators Defines a Role of the Paf1 Complex for Embryonic Stem Cell Identity. <i>Cell Stem Cell</i> , 2009, 4, 403-415.	11.1	252
76	The FunGenES Database: A Genomics Resource for Mouse Embryonic Stem Cell Differentiation. <i>PLoS ONE</i> , 2009, 4, e6804.	2.5	54
77	Bacterial Artificial Chromosome Transgenesis Through Pronuclear Injection of Fertilized Mouse Oocytes. , 2008, 415, 83-100.		24
78	Targeted Mutation Reveals Essential Functions of the Homeodomain Transcription Factor Shox2 in Sinoatrial and Pacemaking Development. <i>Circulation</i> , 2007, 115, 1830-1838.	1.6	222
79	Increased Apoptosis and Skewed Differentiation in Mouse Embryonic Stem Cells Lacking the Histone Methyltransferase Mll2. <i>Molecular Biology of the Cell</i> , 2007, 18, 2356-2366.	2.1	93
80	Engineering Embryonic Stem Cells with Recombinase Systems. <i>Methods in Enzymology</i> , 2006, 420, 100-136.	1.0	24
81	Multiple epigenetic maintenance factors implicated by the loss of Mll2 in mouse development. <i>Development (Cambridge)</i> , 2006, 133, 1423-1432.	2.5	245
82	Current issues in mouse genome engineering. <i>Nature Genetics</i> , 2005, 37, 1187-1193.	21.4	153
83	A reliable lacZ expression reporter cassette for multipurpose, knockout-first alleles. <i>Genesis</i> , 2004, 38, 151-158.	1.6	186
84	A predictable ligand regulated expression strategy for stably integrated transgenes in mammalian cells in culture. <i>Gene</i> , 2002, 298, 159-172.	2.2	41
85	Expression Pattern of Oct-4 in Preimplantation Embryos of Different Species. <i>Biology of Reproduction</i> , 2000, 63, 1698-1705.	2.7	324
86	Oct-4: Lessons of Totipotency from Embryonic Stem Cells. <i>Cells Tissues Organs</i> , 1999, 165, 144-152.	2.3	89
87	A mouse model for hereditary thyroid dysgenesis and cleft palate. <i>Nature Genetics</i> , 1998, 19, 395-398.	21.4	302
88	Formation of Pluripotent Stem Cells in the Mammalian Embryo Depends on the POU Transcription Factor Oct4. <i>Cell</i> , 1998, 95, 379-391.	28.9	3,037
89	New POU dimer configuration mediates antagonistic control of an osteopontin preimplantation enhancer by Oct-4 and Sox-2. <i>Genes and Development</i> , 1998, 12, 2073-2090.	5.9	275