

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
all docs

97
docs citations

97
times ranked

15082
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Expression Pattern of Oct-4 in Preimplantation Embryos of Different Species. <i>Biology of Reproduction</i> , 2000, 63, 1698-1705.	2.7	324
3	A mouse model for hereditary thyroid dysgenesis and cleft palate. <i>Nature Genetics</i> , 1998, 19, 395-398.	21.4	302
4	A Localized Wnt Signal Orients Asymmetric Stem Cell Division in Vitro. <i>Science</i> , 2013, 339, 1445-1448.	12.6	296
5	The mammalian gene function resource: the international knockout mouse consortium. <i>Mammalian Genome</i> , 2012, 23, 580-586.	2.2	292
6	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
7	Dre recombinase, like Cre, is a highly efficient site-specific recombinase in <i>E. coli</i> , mammalian cells and mice. <i>DMM Disease Models and Mechanisms</i> , 2009, 2, 508-515.	2.4	254
8	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
9	Multiple epigenetic maintenance factors implicated by the loss of Mll2 in mouse development. <i>Development (Cambridge)</i> , 2006, 133, 1423-1432.	2.5	245
10	Retinal Organoids from Pluripotent Stem Cells Efficiently Recapitulate Retinogenesis. <i>Stem Cell Reports</i> , 2016, 6, 525-538.	4.8	236
11	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
12	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
13	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
14	MLL2 Is Required in Oocytes for Bulk Histone 3 Lysine 4 Trimethylation and Transcriptional Silencing. <i>PLoS Biology</i> , 2010, 8, e1000453.	5.6	220
15	Meiotic homologue alignment and its quality surveillance are controlled by mouse HORMAD1. <i>Nature Cell Biology</i> , 2011, 13, 599-610.	10.3	207
16	Tightly anchored tissue-mimetic matrices as instructive stem cell microenvironments. <i>Nature Methods</i> , 2013, 10, 788-794.	19.0	195
17	A reliable lacZ expression reporter cassette for multipurpose, knockout-first alleles. <i>Genesis</i> , 2004, 38, 151-158.	1.6	186
18	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

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19	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
20	Current issues in mouse genome engineering. <i>Nature Genetics</i> , 2005, 37, 1187-1193.	21.4	153
21	Network plasticity of pluripotency transcription factors in embryonic stem cells. <i>Nature Cell Biology</i> , 2015, 17, 1235-1246.	10.3	130
22	An improved Flp deleter mouse in C57Bl/6 based on Flpo recombinase. <i>Genesis</i> , 2010, 48, 512-520.	1.6	128
23	Meiotic DNA double-strand breaks and chromosome asynapsis in mice are monitored by distinct HORMAD2-independent and -dependent mechanisms. <i>Genes and Development</i> , 2012, 26, 958-973.	5.9	128
24	Transposon-mediated BAC transgenesis in human ES cells. <i>Nucleic Acids Research</i> , 2012, 40, e150-e150.	14.5	109
25	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
26	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
27	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
28	The histone demethylase UTX regulates stem cell migration and hematopoiesis. <i>Blood</i> , 2013, 121, 2462-2473.	1.4	93
29	Sustained Pax6 Expression Generates Primate-like Basal Radial Glia in Developing Mouse Neocortex. <i>PLoS Biology</i> , 2015, 13, e1002217.	5.6	93
30	Oct-4: Lessons of Totipotency from Embryonic Stem Cells. <i>Cells Tissues Organs</i> , 1999, 165, 144-152.	2.3	89
31	Biallelic Expression of Nanog Protein in Mouse Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2013, 13, 12-13.	11.1	86
32	Dually inducible TetON systems for tissue-specific conditional gene expression in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19933-19938.	7.1	82
33	Doxycycline-dependent photoactivated gene expression in eukaryotic systems. <i>Nature Methods</i> , 2009, 6, 527-531.	19.0	81
34	Human axial progenitors generate trunk neural crest cells in vitro. <i>ELife</i> , 2018, 7, .	6.0	81
35	A Recombineering Pipeline to Make Conditional Targeting Constructs. <i>Methods in Enzymology</i> , 2010, 477, 125-144.	1.0	75
36	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

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37	Differential Expression of Surface Markers in Mouse Bone Marrow Mesenchymal Stromal Cell Subpopulations with Distinct Lineage Commitment. <i>PLoS ONE</i> , 2012, 7, e51221.	2.5	60
38	Age-Dependent Labeling and Imaging of Insulin Secretory Granules. <i>Diabetes</i> , 2013, 62, 3687-3696.	0.6	58
39	The FunGenES Database: A Genomics Resource for Mouse Embryonic Stem Cell Differentiation. <i>PLoS ONE</i> , 2009, 4, e6804.	2.5	54
40	A Practical Summary of Site-Specific Recombination, Conditional Mutagenesis, and Tamoxifen Induction of CreERT2. <i>Methods in Enzymology</i> , 2010, 477, 109-123.	1.0	53
41	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
42	Tamoxifen-Independent Recombination in the RIP-CreER Mouse. <i>PLoS ONE</i> , 2010, 5, e13533.	2.5	51
43	PTBP1 Is Required for Embryonic Development before Gastrulation. <i>PLoS ONE</i> , 2011, 6, e16992.	2.5	44
44	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
45	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
46	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
47	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
48	Aldh1b1 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
49	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
50	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
51	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
52	The H3K4 methyltransferase Setd1b is essential for hematopoietic stem and progenitor cell homeostasis in mice. <i>ELife</i> , 2018, 7, .	6.0	34
53	Recombineering, transfection, Western, IP and ChIP methods for protein tagging via gene targeting or BAC transgenesis. <i>Methods</i> , 2011, 53, 437-452.	3.8	33
54	Recombineering BAC transgenes for protein tagging. <i>Methods</i> , 2011, 53, 113-119.	3.8	32

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55	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
56	Kmt2b conveys monovalent and bivalent H3K4me3 in mouse spermatogonial stem cells at germline and embryonic promoters. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	26
57	Transposon mediated BAC transgenesis via pronuclear injection of mouse zygotes. <i>Genesis</i> , 2013, 51, 135-141.	1.6	25
58	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
59	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
60	Engineering Embryonic Stem Cells with Recombinase Systems. <i>Methods in Enzymology</i> , 2006, 420, 100-136.	1.0	24
61	Bacterial Artificial Chromosome Transgenesis Through Pronuclear Injection of Fertilized Mouse Oocytes. , 2008, 415, 83-100.		24
62	The contribution of homology arms to nuclease-assisted genome engineering. <i>Nucleic Acids Research</i> , 2017, 45, 8105-8115.	14.5	23
63	RAC-tagging: Recombineering And Cas9-assisted targeting for protein tagging and conditional analyses. <i>Scientific Reports</i> , 2016, 6, 25529.	3.3	22
64	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
65	A single reporter mouse line for Vika, Flp, Dre, and Cre-recombination. <i>Scientific Reports</i> , 2018, 8, 14453.	3.3	22
66	Nanog induces hyperplasia without initiating tumors. <i>Stem Cell Research</i> , 2014, 13, 300-315.	0.7	21
67	MLL4 is required after implantation whereas MLL3 becomes essential during late gestation. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	18
68	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
69	Precise conditional immortalization of mouse cells using tetracycline-regulated SV40 large T antigen. <i>Genesis</i> , 2010, 48, 220-232.	1.6	17
70	Generation of Inducible Immortalized Dendritic Cells with Proper Immune Function In Vitro and In Vivo. <i>PLoS ONE</i> , 2013, 8, e62621.	2.5	17
71	TDRD6 mediates early steps of spliceosome maturation in primary spermatocytes. <i>PLoS Genetics</i> , 2017, 13, e1006660.	3.5	15
72	Targeted isolation of cloned genomic regions by recombineering for haplotype phasing and isogenic targeting. <i>Nucleic Acids Research</i> , 2011, 39, e137-e137.	14.5	14

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73	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
74	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
75	A Novel GATA2 Protein Reporter Mouse Reveals Hematopoietic Progenitor Cell Types. <i>Stem Cell Reports</i> , 2020, 15, 326-339.	4.8	12
76	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
77	Reduced purine biosynthesis in humans after their divergence from Neandertals. <i>ELife</i> , 2021, 10, .	6.0	12
78	Gene Targeting and Site-Specific Recombination in Mouse ES Cells. <i>Methods in Enzymology</i> , 2013, 533, 133-155.	1.0	11
79	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
80	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
81	Inducible IL-7 Hyperexpression Influences Lymphocyte Homeostasis and Function and Increases Allograft Rejection. <i>Frontiers in Immunology</i> , 2019, 10, 742.	4.8	7
82	MLL1 is required for maintenance of intestinal stem cells. <i>PLoS Genetics</i> , 2021, 17, e1009250.	3.5	5
83	Hox gene expression profiles during embryonic development of common sole. <i>Animal Biology</i> , 2019, 69, 183-198.	1.0	4
84	Hox genes polymorphism depicts developmental disruption of common sole eggs. <i>Open Life Sciences</i> , 2019, 14, 549-563.	1.4	4
85	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
86	<i>Tsga8</i> is required for spermatid morphogenesis and male fertility in mice. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	2
87	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
88	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
89	The Role of MLL1 and MLL2 in MLL Fusion Oncoprotein-Initiated Leukemia. <i>Blood</i> , 2016, 128, 573-573.	1.4	0