

Diego H Castrillon

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

14,229
citations

38720

50
h-index

40954

93
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97
docs citations

97
times ranked

19637
citing authors

#	ARTICLE	IF	CITATIONS
1	FoxOs Are Critical Mediators of Hematopoietic Stem Cell Resistance to Physiologic Oxidative Stress. <i>Cell</i> , 2007, 128, 325-339.	13.5	1,416
2	FoxOs Are Lineage-Restricted Redundant Tumor Suppressors and Regulate Endothelial Cell Homeostasis. <i>Cell</i> , 2007, 128, 309-323.	13.5	952
3	LKB1 modulates lung cancer differentiation and metastasis. <i>Nature</i> , 2007, 448, 807-810.	13.7	907
4	Suppression of Ovarian Follicle Activation in Mice by the Transcription Factor Foxo3a. <i>Science</i> , 2003, 301, 215-218.	6.0	822
5	Loss of p16Ink4a with retention of p19Arf predisposes mice to tumorigenesis. <i>Nature</i> , 2001, 413, 86-91.	13.7	778
6	Regulation of Oxidative Stress by the Anti-aging Hormone Klotho TM . <i>Journal of Biological Chemistry</i> , 2005, 280, 38029-38034.	1.6	596
7	Foxo1 links homing and survival of naive T cells by regulating L-selectin, CCR7 and interleukin 7 receptor. <i>Nature Immunology</i> , 2009, 10, 176-184.	7.0	481
8	Control of Male Sexual Behavior and Sexual Orientation in <i>Drosophila</i> by the fruitless Gene. <i>Cell</i> , 1996, 87, 1079-1089.	13.5	477
9	A murine lung cancer co-clinical trial identifies genetic modifiers of therapeutic response. <i>Nature</i> , 2012, 483, 613-617.	13.7	430
10	Loss of Lkb1 and Pten Leads to Lung Squamous Cell Carcinoma with Elevated PD-L1 Expression. <i>Cancer Cell</i> , 2014, 25, 590-604.	7.7	332
11	Monitoring Tumorigenesis and Senescence In Vivo with a p16INK4a-Luciferase Model. <i>Cell</i> , 2013, 152, 340-351.	13.5	325
12	Foxo3 is a PI3K-dependent molecular switch controlling the initiation of oocyte growth. <i>Developmental Biology</i> , 2008, 321, 197-204.	0.9	316
13	Generation of a germ cell-specific mouse transgenic Cre line, Vasa-Cre. <i>Genesis</i> , 2007, 45, 413-417.	0.8	304
14	Distinct functions for the transcription factor Foxo1 at various stages of B cell differentiation. <i>Nature Immunology</i> , 2008, 9, 1388-1398.	7.0	300
15	Constitutive telomerase expression promotes mammary carcinomas in aging mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8191-8196.	3.3	292
16	Foxo Transcription Factors Blunt Cardiac Hypertrophy by Inhibiting Calcineurin Signaling. <i>Circulation</i> , 2006, 114, 1159-1168.	1.6	278
17	A Foxo/Notch pathway controls myogenic differentiation and fiber type specification. <i>Journal of Clinical Investigation</i> , 2007, 117, 2477-2485.	3.9	237
18	Somatic LKB1 Mutations Promote Cervical Cancer Progression. <i>PLoS ONE</i> , 2009, 4, e5137.	1.1	229

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19	Discrimination of Complete Hydatidiform Mole From Its Mimics by Immunohistochemistry of the Paternally Imprinted Gene Product p57 KIP2. <i>American Journal of Surgical Pathology</i> , 2001, 25, 1225-1230.	2.1	222
20	CPS1 maintains pyrimidine pools and DNA synthesis in KRAS/LKB1-mutant lung cancer cells. <i>Nature</i> , 2017, 546, 168-172.	13.7	222
21	Foxo1 is required in mouse spermatogonial stem cells for their maintenance and the initiation of spermatogenesis. <i>Journal of Clinical Investigation</i> , 2011, 121, 3456-3466.	3.9	222
22	Integrative Genomic and Proteomic Analyses Identify Targets for Lkb1-Deficient Metastatic Lung Tumors. <i>Cancer Cell</i> , 2010, 17, 547-559.	7.7	215
23	Transcription factor Foxo3 controls the magnitude of T cell immune responses by modulating the function of dendritic cells. <i>Nature Immunology</i> , 2009, 10, 504-513.	7.0	199
24	The differential impact of p16INK4a or p19ARF deficiency on cell growth and tumorigenesis. <i>Oncogene</i> , 2004, 23, 379-385.	2.6	196
25	Impaired Nonhomologous End-Joining Provokes Soft Tissue Sarcomas Harboring Chromosomal Translocations, Amplifications, and Deletions. <i>Molecular Cell</i> , 2001, 8, 1187-1196.	4.5	166
26	Distinction Between Endometrial and Endocervical Adenocarcinoma: An Immunohistochemical Study. <i>International Journal of Gynecological Pathology</i> , 2002, 21, 4-10.	0.9	155
27	DNA Sensing in Mismatch Repair-Deficient Tumor Cells Is Essential for Anti-tumor Immunity. <i>Cancer Cell</i> , 2021, 39, 96-108.e6.	7.7	153
28	PAX7 expression defines germline stem cells in the adult testis. <i>Journal of Clinical Investigation</i> , 2014, 124, 3929-3944.	3.9	143
29	Genetic analysis of Pten and Ink4a/Arf interactions in the suppression of tumorigenesis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1455-1460.	3.3	134
30	The maternally transcribed gene p57KIP2 (CDNK1C) is abnormally expressed in both androgenetic and biparental complete hydatidiform moles. <i>Human Molecular Genetics</i> , 2002, 11, 3267-3272.	1.4	125
31	LKB1/STK11 Inactivation Leads to Expansion of a Prometastatic Tumor Subpopulation in Melanoma. <i>Cancer Cell</i> , 2012, 21, 751-764.	7.7	116
32	Lkb1 inactivation is sufficient to drive endometrial cancers that are aggressive yet highly responsive to mTOR inhibitor monotherapy. <i>DMM Disease Models and Mechanisms</i> , 2010, 3, 181-193.	1.2	108
33	FoxO4 Regulates Tumor Necrosis Factor Alpha-Directed Smooth Muscle Cell Migration by Activating Matrix Metalloproteinase 9 Gene Transcription. <i>Molecular and Cellular Biology</i> , 2007, 27, 2676-2686.	1.1	103
34	Lack of host SPARC enhances vascular function and tumor spread in an orthotopic murine model of pancreatic carcinoma. <i>DMM Disease Models and Mechanisms</i> , 2010, 3, 57-72.	1.2	101
35	Loss of Lkb1 Provokes Highly Invasive Endometrial Adenocarcinomas. <i>Cancer Research</i> , 2008, 68, 759-766.	0.4	97
36	Multimodality Therapy in Early-Stage Neuroendocrine Carcinoma of the Uterine Cervix. <i>Gynecologic Oncology</i> , 2001, 81, 82-87.	0.6	92

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37	Collagen Signaling Enhances Tumor Progression after Anti-VEGF Therapy in a Murine Model of Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , 2014, 74, 1032-1044.	0.4	88
38	Inhibition of Discoidin Domain Receptor 1 Reduces Collagen-mediated Tumorigenicity in Pancreatic Ductal Adenocarcinoma. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2473-2485.	1.9	86
39	Kit signaling via PI3K promotes ovarian follicle maturation but is dispensable for primordial follicle activation. <i>Developmental Biology</i> , 2009, 331, 292-299.	0.9	84
40	Specificity of the requirement for Foxo3 in primordial follicle activation. <i>Reproduction</i> , 2007, 133, 855-863.	1.1	83
41	Genomewide Discovery and Classification of Candidate Ovarian Fertility Genes in the Mouse. <i>Genetics</i> , 2007, 177, 179-194.	1.2	81
42	Complete hydatidiform mole retaining a chromosome 11 of maternal origin: molecular genetic analysis of a case. <i>Modern Pathology</i> , 2004, 17, 1155-1160.	2.9	80
43	LKB1 loss promotes endometrial cancer progression via CCL2-dependent macrophage recruitment. <i>Journal of Clinical Investigation</i> , 2015, 125, 4063-4076.	3.9	79
44	FOXO1/3 Depletion in Granulosa Cells Alters Follicle Growth, Death and Regulation of Pituitary FSH. <i>Molecular Endocrinology</i> , 2013, 27, 238-252.	3.7	77
45	VASA Is a Specific Marker for Both Normal and Malignant Human Germ Cells. <i>Laboratory Investigation</i> , 2002, 82, 159-166.	1.7	72
46	Cell-Type-Dependent Regulation of mTORC1 by REDD1 and the Tumor Suppressors TSC1/TSC2 and LKB1 in Response to Hypoxia. <i>Molecular and Cellular Biology</i> , 2011, 31, 1870-1884.	1.1	70
47	FOXO1/3 and PTEN Depletion in Granulosa Cells Promotes Ovarian Granulosa Cell Tumor Development. <i>Molecular Endocrinology</i> , 2015, 29, 1006-1024.	3.7	62
48	Control of Oocyte Reawakening by Kit. <i>PLoS Genetics</i> , 2016, 12, e1006215.	1.5	61
49	Biomarkers in Diagnostic Obstetric and Gynecologic Pathology: A Review. <i>Advances in Anatomic Pathology</i> , 2003, 10, 55-68.	2.4	57
50	Polymerase-mediated ultramutagenesis in mice produces diverse cancers with high mutational load. <i>Journal of Clinical Investigation</i> , 2018, 128, 4179-4191.	3.9	56
51	p16(INK4a) and p53 deficiency cooperate in tumorigenesis. <i>Cancer Research</i> , 2002, 62, 2761-5.	0.4	51
52	Sequence variation at the human FOXO3 locus: a study of premature ovarian failure and primary amenorrhea. <i>Human Reproduction</i> , 2007, 23, 216-221.	0.4	49
53	Gonadal Expression of Foxo1, but Not Foxo3, Is Conserved in Diverse Mammalian Species ¹ . <i>Biology of Reproduction</i> , 2013, 88, 103.	1.2	49
54	Telomere dysfunction promotes genome instability and metastatic potential in a K-ras p53 mouse model of lung cancer. <i>Carcinogenesis</i> , 2008, 29, 747-753.	1.3	47

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55	Fbxw7 is a driver of uterine carcinosarcoma by promoting epithelial-mesenchymal transition. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25880-25890.	3.3	47
56	Viable Mice with Compound Mutations in the Wnt/Dvl Pathway Antagonists nkd1 and nkd2. Molecular and Cellular Biology, 2007, 27, 4454-4464.	1.1	37
57	Foxo3 ^{-/-} mice demonstrate reduced numbers of pre-B and recirculating B cells but normal splenic B cell sub-population distribution. International Immunology, 2009, 21, 831-842.	1.8	36
58	Insights into Primary Ovarian Insufficiency through Genetically Engineered Mouse Models. Seminars in Reproductive Medicine, 2011, 29, 283-298.	0.5	34
59	PD-L1 Expression and CD8 ⁺ Tumor-infiltrating Lymphocytes in Different Types of Tubo-ovarian Carcinoma and Their Prognostic Value in High-grade Serous Carcinoma. American Journal of Surgical Pathology, 2020, 44, 1050-1060.	2.1	34
60	Fibulin-5 Blocks Microenvironmental ROS in Pancreatic Cancer. Cancer Research, 2015, 75, 5058-5069.	0.4	33
61	Up-regulation of Foxo4 mediated by hepatitis B virus X protein confers resistance to oxidative stress-induced cell death. International Journal of Molecular Medicine, 2011, 28, 255-60.	1.8	29
62	Noncatalytic <i>PTEN</i> missense mutation predisposes to organ-selective cancer development in vivo. Genes and Development, 2015, 29, 1707-1720.	2.7	29
63	Duration of human chorionic gonadotropin surveillance for partial hydatidiform moles. American Journal of Obstetrics and Gynecology, 2005, 192, 1362-1364.	0.7	28
64	DNA methyltransferase loading, but not de novo methylation, is an oocyte-autonomous process stimulated by SCF signalling. Developmental Biology, 2008, 321, 238-250.	0.9	27
65	CHEK1 coordinates DNA damage signaling and meiotic progression in the male germline of mice. Human Molecular Genetics, 2018, 27, 1136-1149.	1.4	26
66	Differential Roles of Telomere Attrition in Type I and II Endometrial Carcinogenesis. American Journal of Pathology, 2008, 173, 536-544.	1.9	25
67	Mismatch Repair Protein Expression in Endometrioid Intraepithelial Neoplasia/Atypical Hyperplasia: Should We Screen for Lynch Syndrome in Precancerous Lesions?. International Journal of Gynecological Pathology, 2019, 38, 533-542.	0.9	25
68	A PoleP286R mouse model of endometrial cancer recapitulates high mutational burden and immunotherapy response. JCI Insight, 2020, 5, .	2.3	25
69	Ploidy and imprinting in hydatidiform moles. Complementary use of flow cytometry and immunohistochemistry of the imprinted gene product p57KIP2 to assist molar classification. Journal of reproductive medicine, The, 2002, 47, 342-6.	0.2	25
70	Dual ARID1A/ARID1B loss leads to rapid carcinogenesis and disruptive redistribution of BAF complexes. Nature Cancer, 2020, 1, 909-922.	5.7	24
71	A comprehensively characterized cell line panel highly representative of clinical ovarian high-grade serous carcinomas. Oncotarget, 2017, 8, 50489-50499.	0.8	23
72	PI3K Pathway Effectors pAKT and FOXO1 as Novel Markers of Endometrioid Intraepithelial Neoplasia. International Journal of Gynecological Pathology, 2019, 38, 503-513.	0.9	22

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73	Reliable Identification of Endometrial Precancers Through Combined Pax2, β^2 -Catenin, and Pten Immunohistochemistry. <i>American Journal of Surgical Pathology</i> , 2022, 46, 404-414.	2.1	21
74	Chromatin associated Sin3A is essential for male germ cell lineage in the mouse. <i>Developmental Biology</i> , 2012, 369, 349-355.	0.9	19
75	Immunohistochemistry for the imprinted gene product IPL/PHLDA2 for facilitating the differential diagnosis of complete hydatidiform mole. <i>Journal of reproductive medicine, The</i> , 2004, 49, 630-6.	0.2	18
76	Pathologic Findings in Eight Cases of Ovarian Serous Borderline Tumors, Three With Foci of Serous Carcinoma, That Preceded Death or Morbidity From Invasive Carcinoma. <i>International Journal of Gynecological Pathology</i> , 2001, 20, 329-334.	0.9	17
77	Specific Biomarker Expression Patterns in the Diagnosis of Residual and Recurrent Endometrial Precancers After Progestin Treatment. <i>American Journal of Surgical Pathology</i> , 2020, 44, 1429-1439.	2.1	16
78	The LKB1 Tumor Suppressor as a Biomarker in Mouse and Human Tissues. <i>PLoS ONE</i> , 2013, 8, e73449.	1.1	14
79	Regulation of FOXO3 subcellular localization by Kit ligand in the neonatal mouse ovary. <i>Journal of Assisted Reproduction and Genetics</i> , 2015, 32, 1741-1747.	1.2	14
80	Mouse models of uterine corpus tumors clinical significance and utility. <i>Frontiers in Bioscience - Elite</i> , 2010, E2, 882-905.	0.9	13
81	Histopathologic diagnosis of endometrial precancers: Updates and future directions. <i>Seminars in Diagnostic Pathology</i> , 2022, 39, 137-147.	1.0	13
82	Prevalence and prognostic significance of PD-L1, TIM-3 and B7-H3 expression in endometrial serous carcinoma. <i>Modern Pathology</i> , 2022, 35, 1955-1965.	2.9	11
83	PD-L1 Expression in Endocervical Adenocarcinoma. <i>American Journal of Surgical Pathology</i> , 2021, 45, 742-752.	2.1	10
84	Morules But Not Squamous Differentiation are a Reliable Indicator of CTNNB1 (β^2 -catenin) Mutations in Endometrial Carcinoma and Precancers. <i>American Journal of Surgical Pathology</i> , 2022, 46, 1447-1455.	2.1	10
85	Foxo3 Promotes Apoptosis of B Cell Receptor- α Stimulated Immature B Cells, Thus Limiting the Window for Receptor Editing. <i>Journal of Immunology</i> , 2018, 201, 940-949.	0.4	9
86	Serial genomic analysis of endometrium supports the existence of histologically indistinct endometrial cancer precursors. <i>Journal of Pathology</i> , 2021, 254, 20-30.	2.1	9
87	Endometrial polyps are non-neoplastic but harbor epithelial mutations in endometrial cancer drivers at low allelic frequencies. <i>Modern Pathology</i> , 2022, 35, 1702-1712.	2.9	8
88	Rare Complete Hydatidiform Mole With p57 Expression in Villous Mesenchyme: Case Report and Review of Discordant p57 Expression in Hydatidiform Moles. <i>International Journal of Gynecological Pathology</i> , 2022, 41, 45-50.	0.9	7
89	LKB1 as a Tumor Suppressor in Uterine Cancer: Mouse Models and Translational Studies. <i>Advances in Experimental Medicine and Biology</i> , 2017, 943, 211-241.	0.8	5
90	FOXA2 suppresses endometrial carcinogenesis and epithelial-mesenchymal transition by regulating enhancer activity. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	4

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91	Visualization and Lineage Tracing of Pax7+ Spermatogonial Stem Cells in the Mouse. <i>Methods in Molecular Biology</i> , 2017, 1463, 139-154.	0.4	2
92	Development and Maldevelopment of the Female Reproductive System. , 2019, , 1-40.		2
93	FoxO Are Critical Mediators of Hematopoietic Stem Cell Resistance to Physiologic Oxidative Stress.. <i>Blood</i> , 2006, 108, 439-439.	0.6	1
94	Errata – Insights into Primary Ovarian Insufficiency through Genetically Engineered Mouse Models. <i>Seminars in Reproductive Medicine</i> , 2011, 29, 569-570.	0.5	0
95	Simplifying the preevacuation testing strategy for patients with molar pregnancy. <i>Journal of reproductive medicine, The</i> , 2007, 52, 685-8.	0.2	0