

Blanche Capel

List of Publications by Year in descending order

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76
papers

9,785
citations

71102

41
h-index

79698

73
g-index

78
all docs

78
docs citations

78
times ranked

6304
citing authors

#	ARTICLE	IF	CITATIONS
1	A gene mapping to the sex-determining region of the mouse Y chromosome is a member of a novel family of embryonically expressed genes. <i>Nature</i> , 1990, 346, 245-250.	27.8	1,552
2	Expression of a candidate sex-determining gene during mouse testis differentiation. <i>Nature</i> , 1990, 348, 450-452.	27.8	801
3	Male-to-Female Sex Reversal in Mice Lacking Fibroblast Growth Factor 9. <i>Cell</i> , 2001, 104, 875-889.	28.9	526
4	Fgf9 and Wnt4 Act as Antagonistic Signals to Regulate Mammalian Sex Determination. <i>PLoS Biology</i> , 2006, 4, e187.	5.6	469
5	Sertoli Cells of the Mouse Testis Originate from the Coelomic Epithelium. <i>Developmental Biology</i> , 1998, 203, 323-333.	2.0	392
6	Vertebrate sex determination: evolutionary plasticity of a fundamental switch. <i>Nature Reviews Genetics</i> , 2017, 18, 675-689.	16.3	362
7	<i>Pdgfr-β</i> mediates testis cord organization and fetal Leydig cell development in the XY gonad. <i>Genes and Development</i> , 2003, 17, 800-810.	5.9	339
8	The Ter mutation in the dead end gene causes germ cell loss and testicular germ cell tumours. <i>Nature</i> , 2005, 435, 360-364.	27.8	330
9	Male-specific cell migration into the developing gonad. <i>Current Biology</i> , 1997, 7, 958-968.	3.9	324
10	Stabilization of β -catenin in XY gonads causes male-to-female sex-reversal. <i>Human Molecular Genetics</i> , 2008, 17, 2949-2955.	2.9	304
11	Temporal Transcriptional Profiling of Somatic and Germ Cells Reveals Biased Lineage Priming of Sexual Fate in the Fetal Mouse Gonad. <i>PLoS Genetics</i> , 2012, 8, e1002575.	3.5	251
12	The histone demethylase KDM6B regulates temperature-dependent sex determination in a turtle species. <i>Science</i> , 2018, 360, 645-648.	12.6	237
13	Macrophages Contribute to the Spermatogonial Niche in the Adult Testis. <i>Cell Reports</i> , 2015, 12, 1107-1119.	6.4	228
14	Temporal Differences in Granulosa Cell Specification in the Ovary Reflect Distinct Follicle Fates in Mice1. <i>Biology of Reproduction</i> , 2012, 86, 37.	2.7	210
15	Divergent Vascular Mechanisms Downstream of Sry Establish the Arterial System in the XY Gonad. <i>Developmental Biology</i> , 2002, 244, 418-428.	2.0	169
16	Fibroblast growth factor receptor 2 regulates proliferation and Sertoli differentiation during male sex determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16558-16563.	7.1	164
17	Testis development requires the repression of Wnt4 by Fgf signaling. <i>Developmental Biology</i> , 2012, 370, 24-32.	2.0	161
18	Two distinct origins for Leydig cell progenitors in the fetal testis. <i>Developmental Biology</i> , 2011, 352, 14-26.	2.0	156

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19	Yolk-sac derived macrophages regulate fetal testis vascularization and morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2384-93.	7.1	155
20	Disrupted gonadogenesis and male-to-female sex reversal in <i>Pod1</i> knockout mice. Development (Cambridge), 2004, 131, 4095-4105.	2.5	148
21	Gonad Morphogenesis in Vertebrates: Divergent Means to a Convergent End. Annual Review of Cell and Developmental Biology, 2009, 25, 457-482.	9.4	144
22	Cell proliferation is necessary for the determination of male fate in the gonad. Developmental Biology, 2003, 258, 264-276.	2.0	132
23	SEX IN THE 90s: SRY and the Switch to the Male Pathway. Annual Review of Physiology, 1998, 60, 497-523.	13.1	131
24	A high-resolution anatomical ontology of the developing murine genitourinary tract. Gene Expression Patterns, 2007, 7, 680-699.	0.8	125
25	Notch signaling maintains Leydig progenitor cells in the mouse testis. Development (Cambridge), 2008, 135, 3745-3753.	2.5	119
26	Deletion of Y chromosome sequences located outside the testis determining region can cause XY female sex reversal. Nature Genetics, 1993, 5, 301-307.	21.4	103
27	FGF9 promotes survival of germ cells in the fetal testis. Development (Cambridge), 2006, 133, 1519-1527.	2.5	103
28	<i>Dmrt1</i> induces the male pathway in a turtle with temperature-dependent sex determination. Development (Cambridge), 2017, 144, 2222-2233.	2.5	94
29	Cell fate commitment during mammalian sex determination. Current Opinion in Genetics and Development, 2015, 32, 144-152.	3.3	92
30	A timecourse analysis of systemic and gonadal effects of temperature on sexual development of the red-eared slider turtle <i>Trachemys scripta elegans</i> . Developmental Biology, 2016, 420, 166-177.	2.0	91
31	Regulation of male germ cell cycle arrest and differentiation by DND1 is modulated by genetic background. Development (Cambridge), 2011, 138, 23-32.	2.5	89
32	Fine Time Course Expression Analysis Identifies Cascades of Activation and Repression and Maps a Putative Regulator of Mammalian Sex Determination. PLoS Genetics, 2013, 9, e1003630.	3.5	83
33	Temperature-dependent sex determination is mediated by pSTAT3 repression of <i>Kdm6b</i> . Science, 2020, 368, 303-306.	12.6	78
34	Intravital imaging of mouse embryos. Science, 2020, 368, 181-186.	12.6	70
35	BAX-mediated cell death affects early germ cell loss and incidence of testicular teratomas in <i>Dnd1</i> mice. Developmental Biology, 2009, 328, 377-383.	2.0	69
36	Elucidation of the transcription network governing mammalian sex determination by exploiting strain-specific susceptibility to sex reversal. Genes and Development, 2009, 23, 2521-2536.	5.9	65

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37	Testosterone Levels Influence Mouse Fetal Leydig Cell Progenitors Through Notch Signaling1. <i>Biology of Reproduction</i> , 2013, 88, 91.	2.7	64
38	RUNX1 maintains the identity of the fetal ovary through an interplay with FOXL2. <i>Nature Communications</i> , 2019, 10, 5116.	12.8	59
39	Disruption of mitotic arrest precedes precocious differentiation and transdifferentiation of pregranulosa cells in the perinatal Wnt4 mutant ovary. <i>Developmental Biology</i> , 2013, 383, 295-306.	2.0	53
40	CBX2 is required to stabilize the testis pathway by repressing Wnt signaling. <i>PLoS Genetics</i> , 2019, 15, e1007895.	3.5	51
41	Sertoli cell ablation and replacement of the spermatogonial niche in mouse. <i>Nature Communications</i> , 2020, 11, 40.	12.8	51
42	Predetermination of sexual fate in a turtle with temperature-dependent sex determination. <i>Developmental Biology</i> , 2014, 386, 264-271.	2.0	48
43	Chemotherapy-Induced Depletion of OCT4-Positive Cancer Stem Cells in a Mouse Model of Malignant Testicular Cancer. <i>Cell Reports</i> , 2017, 21, 1896-1909.	6.4	42
44	Testicular teratomas: an intersection of pluripotency, differentiation and cancer biology. <i>International Journal of Developmental Biology</i> , 2013, 57, 201-210.	0.6	41
45	A brief review of vertebrate sex evolution with a pledge for integrative research: towards sexomics™. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200426.	4.0	39
46	Germ Cells Are Not Required to Establish the Female Pathway in Mouse Fetal Gonads. <i>PLoS ONE</i> , 2012, 7, e47238.	2.5	38
47	Genome-wide identification of regulatory elements in Sertoli cells. <i>Development (Cambridge)</i> , 2017, 144, 720-730.	2.5	36
48	Numb regulates somatic cell lineage commitment during early gonadogenesis in mice. <i>Development (Cambridge)</i> , 2017, 144, 1607-1618.	2.5	36
49	Combined iDISCO and CUBIC tissue clearing and lightsheet microscopy for in toto analysis of the adult mouse ovary. <i>Biology of Reproduction</i> , 2020, 102, 1080-1089.	2.7	36
50	Epigenetic regulation of male fate commitment from an initially bipotential system. <i>Molecular and Cellular Endocrinology</i> , 2018, 468, 19-30.	3.2	34
51	Origin, specification and differentiation of a rare supporting-like lineage in the developing mouse gonad. <i>Science Advances</i> , 2022, 8, .	10.3	32
52	Frank Lillie's freemartin: Illuminating the pathway to 21 st century reproductive endocrinology. <i>The Journal of Experimental Zoology</i> , 2004, 301A, 853-856.	1.4	29
53	The Battle of the Sexes: Opposing Pathways in Sex Determination. <i>Novartis Foundation Symposium</i> , 2008, , 187-202.	1.1	25
54	The RNA-binding protein DND1 acts Sequentially as a negative regulator of pluripotency and a positive regulator of epigenetic modifiers required for germ cell reprogramming. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	24

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55	Neural crest-derived neurons invade the ovary but not the testis during mouse gonad development. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5570-5575.	7.1	21
56	Sex reversal. Current Biology, 2018, 28, R1234-R1236.	3.9	19
57	Sex determination without sex chromosomes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200109.	4.0	17
58	Sry and the testis: Molecular pathways of organogenesis. , 1998, 281, 494-500.		16
59	Concerted morphogenesis of genital ridges and nephric ducts in the mouse captured through whole-embryo imaging. Development (Cambridge), 2021, 148, .	2.5	15
60	Ovarian epithelium regeneration by Lgr5+ cells. Nature Cell Biology, 2014, 16, 743-744.	10.3	14
61	A grafted ovarian fragment rescues host fertility after chemotherapy. Molecular Human Reproduction, 2016, 22, 1-10.	2.8	14
62	A transgenic DND1GFP fusion allele reports in vivo expression and RNA-binding targets in undifferentiated mouse germ cells. Biology of Reproduction, 2021, 104, 861-874.	2.7	12
63	WOMEN IN REPRODUCTIVE SCIENCE: To be or not to be a testis. Reproduction, 2019, 158, F101-F111.	2.6	9
64	Left-Biased Spermatogenic Failure in 129/Svj Dnd1Ter/+ Mice Correlates with Differences in Vascular Architecture, Oxygen Availability, and Metabolites1. Biology of Reproduction, 2015, 93, 78.	2.7	8
65	Preparing Recombinant Gonad Organ Cultures. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5078-pdb.prot5078.	0.3	6
66	The Chromatin State during Gonadal Sex Determination. Sexual Development, 2021, 15, 308-316.	2.0	5
67	Loss of <i>Mafb</i> and <i>Maf</i> distorts myeloid cell ratios and disrupts fetal mouse testis vascularization and organogenesis. Biology of Reproduction, 2021, 105, 958-975.	2.7	4
68	Differentiation of fetal sertoli cells in the adult testis. Reproduction, 2021, 162, 141-147.	2.6	4
69	Cycling in the Cell Fate Landscape. Current Topics in Developmental Biology, 2016, 116, 153-165.	2.2	3
70	Mapping the peripheral nervous system in the whole mouse via compressed sensing tractography. Journal of Neural Engineering, 2021, 18, 044002.	3.5	3
71	Sex Chromatin Staining in Amnion Cells. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5079-pdb.prot5079.	0.3	2
72	Investigating the Role of Beta-Catenin in Sex Determination.. Biology of Reproduction, 2008, 78, 189-190.	2.7	2

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73	The Minimalist Y. Science, 2014, 343, 32-33.	12.6	1
74	Preface. Current Topics in Developmental Biology, 2019, 134, xiii-xvii.	2.2	1
75	Commentary on "Direct visualization, by β -galactosidase histochemistry, of differentiated normal cells derived from malignant teratocarcinoma in allophenic mice" by Dewey and Mintz 1978. Developmental Biology, 2019, 450, 65-75.	2.0	0
76	Beatrice Mintz (1921-2022): an innovator in embryo research and cancer biology. Development (Cambridge), 2022, 149, .	2.5	0