

Ralph L Brinster

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59
papers

9,378
citations

41
h-index

59
g-index

59
ext. papers

9,909
ext. citations

21.6
avg, IF

5.83
L-index

#	Paper	IF	Citations
59	Dramatic growth of mice that develop from eggs microinjected with metallothionein-growth hormone fusion genes. <i>Nature</i> , 1982 , 300, 611-5	50.4	1107
58	Growth factors essential for self-renewal and expansion of mouse spermatogonial stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 16489-94	11.5	746
57	Growth enhancement of transgenic mice expressing human insulin-like growth factor I. <i>Endocrinology</i> , 1988 , 123, 2827-33	4.8	396
56	Germline stem cell transplantation and transgenesis. <i>Science</i> , 2002 , 296, 2174-6	33.3	364
55	Abnormal sexual development in transgenic mice chronically expressing müllerian inhibiting substance. <i>Nature</i> , 1990 , 345, 167-70	50.4	361
54	Rat spermatogenesis in mouse testis. <i>Nature</i> , 1996 , 381, 418-21	50.4	307
53	Transplantation of male germ line stem cells restores fertility in infertile mice. <i>Nature Medicine</i> , 2000 , 6, 29-34	50.5	283
52	Reconstitution of spermatogenesis from frozen spermatogonial stem cells. <i>Nature Medicine</i> , 1996 , 2, 693-6	50.5	279
51	Pattern and kinetics of mouse donor spermatogonial stem cell colonization in recipient testes. <i>Biology of Reproduction</i> , 1999 , 60, 1429-36	3.9	277
50	Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs. <i>Nature</i> , 1982 , 296, 39-42	50.4	271
49	Maintenance of mouse male germ line stem cells in vitro. <i>Biology of Reproduction</i> , 2003 , 68, 2207-14	3.9	242
48	Germ cell genotype controls cell cycle during spermatogenesis in the rat. <i>Biology of Reproduction</i> , 1998 , 59, 1371-7	3.9	242
47	SV40 enhancer and large-T antigen are instrumental in development of choroid plexus tumours in transgenic mice. <i>Nature</i> , 1985 , 316, 457-60	50.4	232
46	Male germline stem cells: from mice to men. <i>Science</i> , 2007 , 316, 404-5	33.3	230
45	Antigen presenting function of class II MHC expressing pancreatic beta cells. <i>Nature</i> , 1988 , 336, 476-9	50.4	229
44	Expression of human growth hormone-releasing factor in transgenic mice results in increased somatic growth. <i>Nature</i> , 1985 , 315, 413-6	50.4	226
43	T-cell tolerance by clonal anergy in transgenic mice with nonlymphoid expression of MHC class II I-E. <i>Nature</i> , 1989 , 342, 564-6	50.4	208

42	Transplantation of germ cells from rabbits and dogs into mouse testes. <i>Biology of Reproduction</i> , 1999 , 61, 1331-9	3.9	204
41	STUDIES ON THE DEVELOPMENT OF MOUSE EMBRYOS IN VITRO. II. THE EFFECT OF ENERGY SOURCE. <i>The Journal of Experimental Zoology</i> , 1965 , 158, 59-68		203
40	Peripheral tolerance to an islet cell-specific hemagglutinin transgene affects both CD4+ and CD8+ T cells. <i>European Journal of Immunology</i> , 1992 , 22, 1013-22	6.1	202
39	Expression of a microinjected immunoglobulin gene in the spleen of transgenic mice. <i>Nature</i> , 1983 , 306, 332-6	50.4	195
38	Transgenic mice overexpressing the mouse homoeobox-containing gene Hox-1.4 exhibit abnormal gut development. <i>Nature</i> , 1989 , 337, 464-7	50.4	191
37	Germ cell transplantation from large domestic animals into mouse testes. <i>Molecular Reproduction and Development</i> , 2000 , 57, 270-9	2.6	188
36	Partial correction of murine hereditary growth disorder by germ-line incorporation of a new gene. <i>Nature</i> , 1984 , 311, 65-7	50.4	179
35	Allelic exclusion and control of endogenous immunoglobulin gene rearrangement in kappa transgenic mice. <i>Nature</i> , 1984 , 312, 517-20	50.4	175
34	Phenotypic and functional characteristics of spermatogonial stem cells in rats. <i>Developmental Biology</i> , 2004 , 274, 158-70	3.1	139
33	Computer assisted image analysis to assess colonization of recipient seminiferous tubules by spermatogonial stem cells from transgenic donor mice. <i>Molecular Reproduction and Development</i> , 1999 , 53, 142-8	2.6	138
32	Peripheral neuropathies, hepatocellular carcinomas and islet cell adenomas in transgenic mice. <i>Nature</i> , 1985 , 316, 461-3	50.4	132
31	STUDIES ON THE DEVELOPMENT OF MOUSE EMBRYOS IN VITRO. I. THE EFFECT OF OSMOLARITY AND HYDROGEN ION CONCENTRATION. <i>The Journal of Experimental Zoology</i> , 1965 , 158, 49-57		119
30	High expression of cloned immunoglobulin kappa gene in transgenic mice is restricted to B lymphocytes. <i>Nature</i> , 1984 , 310, 238-41	50.4	110
29	Fertile offspring derived from mouse spermatogonial stem cells cryopreserved for more than 14 years. <i>Human Reproduction</i> , 2012 , 27, 1249-59	5.7	107
28	Retrovirus-mediated gene delivery into male germ line stem cells. <i>FEBS Letters</i> , 2000 , 475, 7-10	3.8	99
27	Infertility in male transgenic mice: disruption of sperm development by HSV-tk expression in postmeiotic germ cells. <i>Biology of Reproduction</i> , 1990 , 43, 684-93	3.9	93
26	Stem cell and niche development in the postnatal rat testis. <i>Developmental Biology</i> , 2003 , 263, 253-63	3.1	85
25	STUDIES ON THE DEVELOPMENT OF MOUSE EMBRYOS IN VITRO. 3. THE EFFECT OF FIXED-NITROGEN SOURCE. <i>The Journal of Experimental Zoology</i> , 1965 , 158, 69-77		85

24	Spermatogonial stem cells. <i>Biology of Reproduction</i> , 2018 , 99, 52-74	3.9	79
23	Culture of rodent spermatogonial stem cells, male germline stem cells of the postnatal animal. <i>Methods in Cell Biology</i> , 2008 , 86, 59-84	1.8	79
22	Functional analysis of stem cells in the adult rat testis. <i>Biology of Reproduction</i> , 2002 , 66, 944-9	3.9	71
21	Expression of mouse IgA by transgenic mice, pigs and sheep. <i>European Journal of Immunology</i> , 1991 , 21, 1001-6	6.1	70
20	Production of transgenic sheep with growth-regulating genes. <i>Molecular Reproduction and Development</i> , 1989 , 1, 164-9	2.6	65
19	Expression of human HPRT in the central nervous system of transgenic mice. <i>Nature</i> , 1985 , 317, 250-2	50.4	60
18	Mouse oocytes transcribe injected <i>Xenopus</i> 5S RNA gene. <i>Science</i> , 1981 , 211, 396-8	33.3	40
17	Relative growth of the skull and postcranium in giant transgenic mice. <i>Genetical Research</i> , 1990 , 56, 21-34	1	38
16	Enrichment and transplantation of spermatogonial stem cells. <i>Journal of Developmental and Physical Disabilities</i> , 2000 , 23 Suppl 2, 89-91		37
15	Peripheral tolerance in transgenic mice: tolerance to class II MHC and non-MHC transgene antigens. <i>Immunological Reviews</i> , 1991 , 122, 87-102	11.3	30
14	Expression of an avian protamine in transgenic mice disrupts chromatin structure in spermatozoa. <i>Biology of Reproduction</i> , 1995 , 52, 20-32	3.9	27
13	Pulmonary carcinogenesis in transgenic mice. <i>Experimental Lung Research</i> , 1991 , 17, 305-20	2.3	27
12	Expression, allelic exclusion and somatic mutation of mouse immunoglobulin kappa genes. <i>Immunological Reviews</i> , 1986 , 89, 85-102	11.3	26
11	Glycogen content of preimplantation mouse embryos. <i>The Anatomical Record</i> , 1966 , 155, 97-102		22
10	Chemokine (C-X-C) Ligand 12 Facilitates Trafficking of Donor Spermatogonial Stem Cells. <i>Stem Cells International</i> , 2016 , 2016, 5796305	5	17
9	Lactic dehydrogenase activity in preimplantation rat embryo. <i>Nature</i> , 1967 , 214, 1246-7	50.4	15
8	Antigen presentation in MHC class II transgenic mice: stimulation versus tolerization. <i>Immunological Reviews</i> , 1990 , 117, 121-34	11.3	12
7	FGF9 promotes mouse spermatogonial stem cell proliferation mediated by p38 MAPK signalling. <i>Cell Proliferation</i> , 2021 , 54, e12933	7.9	9

6	Isolation, Cryopreservation, and Transplantation of Spermatogonial Stem Cells. <i>Methods in Molecular Biology</i> , 2019 , 205, 205-220	1.4	5
5	Computer assisted image analysis to assess colonization of recipient seminiferous tubules by spermatogonial stem cells from transgenic donor mice 1999 , 53, 142		3
4	Expression of Growth Hormone Genes in Transgenic Mice 1985 , 20, 123-132		1
3	Roles of Stra8 and Tcerg1l in retinoic acid induced spermatogonial differentiation in mouse <i>Biology of Reproduction</i> , 2021 , 105, 503-518	3.9	1
2	Reestablishment of spermatogenesis after more than 20 years of cryopreservation of rat spermatogonial stem cells reveals an important impact in differentiation capacity.. <i>PLoS Biology</i> , 2022 , 20, e3001618	9.7	0
1	Germ Cell Transplantation 2018 , 171-179		