Ralph L Brinster

List of Publications by Year in Descending Order

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	Reestablishment of spermatogenesis after more than 20 years of cryopreservation of rat spermatogonial stem cells reveals an important impact in differentiation capacity.. *PLoS Biology*, **2022**, 20, e3001618	9.7	0
58	Roles of Stra8 and Tcerg1l in retinoic acid induced spermatogonial differentiation in mouse *Biology of Reproduction*, **2021**, 105, 503-518	3.9	1
57	FGF9 promotes mouse spermatogonial stem cell proliferation mediated by p38 MAPK signalling. *Cell Proliferation*, **2021**, 54, e12933	7.9	9
56	Isolation, Cryopreservation, and Transplantation of Spermatogonial Stem Cells. *Methods in Molecular Biology*, **2019**, 2005, 205-220	1.4	5
55	Spermatogonial stem cells. *Biology of Reproduction*, **2018**, 99, 52-74	3.9	79
54	Germ Cell Transplantation **2018**, 171-179		
53	Chemokine (C-X-C) Ligand 12 Facilitates Trafficking of Donor Spermatogonial Stem Cells. *Stem Cells International*, **2016**, 2016, 5796305	5	17
52	Fertile offspring derived from mouse spermatogonial stem cells cryopreserved for more than 14 years. *Human Reproduction*, **2012**, 27, 1249-59	5.7	107
51	Culture of rodent spermatogonial stem cells, male germline stem cells of the postnatal animal. *Methods in Cell Biology*, **2008**, 86, 59-84	1.8	79
50	Male germline stem cells: from mice to men. *Science*, **2007**, 316, 404-5	33.3	230
49	Growth factors essential for self-renewal and expansion of mouse spermatogonial stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 16489-94	11.5	746
48	Phenotypic and functional characteristics of spermatogonial stem cells in rats. *Developmental Biology*, **2004**, 274, 158-70	3.1	139
47	Maintenance of mouse male germ line stem cells in vitro. *Biology of Reproduction*, **2003**, 68, 2207-14	3.9	242
46	Stem cell and niche development in the postnatal rat testis. *Developmental Biology*, **2003**, 263, 253-63	3.1	85
45	Germline stem cell transplantation and transgenesis. *Science*, **2002**, 296, 2174-6	33.3	364
44	Functional analysis of stem cells in the adult rat testis. *Biology of Reproduction*, **2002**, 66, 944-9	3.9	71
43	Enrichment and transplantation of spermatogonial stem cells. *Journal of Developmental and Physical Disabilities*, **2000**, 23 Suppl 2, 89-91		37

42	Transplantation of male germ line stem cells restores fertility in infertile mice. *Nature Medicine*, **2000**, 6, 29-34	50.5	283
41	Germ cell transplantation from large domestic animals into mouse testes. *Molecular Reproduction and Development*, **2000**, 57, 270-9	2.6	188
40	Retrovirus-mediated gene delivery into male germ line stem cells. *FEBS Letters*, **2000**, 475, 7-10	3.8	99
39	Pattern and kinetics of mouse donor spermatogonial stem cell colonization in recipient testes. *Biology of Reproduction*, **1999**, 60, 1429-36	3.9	277
38	Computer assisted image analysis to assess colonization of recipient seminiferous tubules by spermatogonial stem cells from transgenic donor mice. *Molecular Reproduction and Development*, **1999**, 53, 142-8	2.6	138
37	Transplantation of germ cells from rabbits and dogs into mouse testes. *Biology of Reproduction*, **1999**, 61, 1331-9	3.9	204
36	Computer assisted image analysis to assess colonization of recipient seminiferous tubules by spermatogonial stem cells from transgenic donor mice **1999**, 53, 142		3
35	Germ cell genotype controls cell cycle during spermatogenesis in the rat. *Biology of Reproduction*, **1998**, 59, 1371-7	3.9	242
34	Reconstitution of spermatogenesis from frozen spermatogonial stem cells. *Nature Medicine*, **1996**, 2, 693-6	50.5	279
33	Rat spermatogenesis in mouse testis. *Nature*, **1996**, 381, 418-21	50.4	307
32	Expression of an avian protamine in transgenic mice disrupts chromatin structure in spermatozoa. *Biology of Reproduction*, **1995**, 52, 20-32	3.9	27
31	Peripheral tolerance to an islet cell-specific hemagglutinin transgene affects both CD4+ and CD8+ T cells. *European Journal of Immunology*, **1992**, 22, 1013-22	6.1	202
30	Peripheral tolerance in transgenic mice: tolerance to class II MHC and non-MHC transgene antigens. *Immunological Reviews*, **1991**, 122, 87-102	11.3	30
29	Expression of mouse IgA by transgenic mice, pigs and sheep. *European Journal of Immunology*, **1991**, 21, 1001-6	6.1	70
28	Pulmonary carcinogenesis in transgenic mice. *Experimental Lung Research*, **1991**, 17, 305-20	2.3	27
27	Relative growth of the skull and postcranium in giant transgenic mice. *Genetical Research*, **1990**, 56, 21-34	4.1	38
26	Antigen presentation in MHC class II transgenic mice: stimulation versus tolerization. *Immunological Reviews*, **1990**, 117, 121-34	11.3	12
25	Abnormal sexual development in transgenic mice chronically expressing müllerian inhibiting substance. *Nature*, **1990**, 345, 167-70	50.4	361

24	Infertility in male transgenic mice: disruption of sperm development by HSV-tk expression in postmeiotic germ cells. *Biology of Reproduction*, **1990**, 43, 684-93	3.9	93
23	Production of transgenic sheep with growth-regulating genes. *Molecular Reproduction and Development*, **1989**, 1, 164-9	2.6	65
22	Transgenic mice overexpressing the mouse homoeobox-containing gene Hox-1.4 exhibit abnormal gut development. *Nature*, **1989**, 337, 464-7	50.4	191
21	T-cell tolerance by clonal anergy in transgenic mice with nonlymphoid expression of MHC class II I-E. *Nature*, **1989**, 342, 564-6	50.4	208
20	Antigen presenting function of class II MHC expressing pancreatic beta cells. *Nature*, **1988**, 336, 476-9	50.4	229
19	Growth enhancement of transgenic mice expressing human insulin-like growth factor I. *Endocrinology*, **1988**, 123, 2827-33	4.8	396
18	Expression, allelic exclusion and somatic mutation of mouse immunoglobulin kappa genes. *Immunological Reviews*, **1986**, 89, 85-102	11.3	26
17	Expression of human growth hormone-releasing factor in transgenic mice results in increased somatic growth. *Nature*, **1985**, 315, 413-6	50.4	226
16	SV40 enhancer and large-T antigen are instrumental in development of choroid plexus tumours in transgenic mice. *Nature*, **1985**, 316, 457-60	50.4	232
15	Peripheral neuropathies, hepatocellular carcinomas and islet cell adenomas in transgenic mice. *Nature*, **1985**, 316, 461-3	50.4	132
14	Expression of human HPRT in the central nervous system of transgenic mice. *Nature*, **1985**, 317, 250-2	50.4	60
13	Expression of Growth Hormone Genes in Transgenic Mice **1985**, 20, 123-132		1
12	High expression of cloned immunoglobulin kappa gene in transgenic mice is restricted to B lymphocytes. *Nature*, **1984**, 310, 238-41	50.4	110
11	Partial correction of murine hereditary growth disorder by germ-line incorporation of a new gene. *Nature*, **1984**, 311, 65-7	50.4	179
10	Allelic exclusion and control of endogenous immunoglobulin gene rearrangement in kappa transgenic mice. *Nature*, **1984**, 312, 517-20	50.4	175
9	Expression of a microinjected immunoglobulin gene in the spleen of transgenic mice. *Nature*, **1983**, 306, 332-6	50.4	195
8	Dramatic growth of mice that develop from eggs microinjected with metallothionein-growth hormone fusion genes. *Nature*, **1982**, 300, 611-5	50.4	1107
7	Regulation of metallothionein--thymidine kinase fusion plasmids injected into mouse eggs. *Nature*, **1982**, 296, 39-42	50.4	271

6	Mouse oocytes transcribe injected Xenopus 5S RNA gene. *Science*, **1981**, 211, 396-8	33.3	40
5	Lactic dehydrogenase activity in preimplantation rat embryo. *Nature*, **1967**, 214, 1246-7	50.4	15
4	Glycogen content of preimplantation mouse embryos. *The Anatomical Record*, **1966**, 155, 97-102		22
3	STUDIES ON THE DEVELOPMENT OF MOUSE EMBRYOS IN VITRO. I. THE EFFECT OF OSMOLARITY AND HYDROGEN ION CONCENTRATION. *The Journal of Experimental Zoology*, **1965**, 158, 49-57		119
2	STUDIES ON THE DEVELOPMENT OF MOUSE EMBRYOS IN VITRO. II. THE EFFECT OF ENERGY SOURCE. *The Journal of Experimental Zoology*, **1965**, 158, 59-68		203
1	STUDIES ON THE DEVELOPMENT OF MOUSE EMBRYOS IN VITRO. 3. THE EFFECT OF FIXED-NITROGEN SOURCE. *The Journal of Experimental Zoology*, **1965**, 158, 69-77		85