

Ralph L Brinster

List of Publications by Year in descending order

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59
papers

10,720
citations

61857

43
h-index

143772

57
g-index

59
all docs

59
docs citations

59
times ranked

4374
citing authors

#	ARTICLE	IF	CITATIONS
1	Dramatic growth of mice that develop from eggs microinjected with metallothionein- α growth hormone fusion genes. <i>Nature</i> , 1982, 300, 611-615.	13.7	1,275
2	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, 16489-16494.	3.3	855
3	Growth Enhancement of Transgenic Mice Expressing Human Insulin-Like Growth Factor I*. <i>Endocrinology</i> , 1988, 123, 2827-2833.	1.4	438
4	Germline Stem Cell Transplantation and Transgenesis. <i>Science</i> , 2002, 296, 2174-2176.	6.0	428
5	Abnormal sexual development in transgenic mice chronically expressing M α 1/4llerian inhibiting substance. <i>Nature</i> , 1990, 345, 167-170.	13.7	410
6	Rat spermatogenesis in mouse testis. <i>Nature</i> , 1996, 381, 418-421.	13.7	351
7	Transplantation of male germ line stem cells restores fertility in infertile mice. <i>Nature Medicine</i> , 2000, 6, 29-34.	15.2	317
8	Reconstitution of spermatogenesis from frozen spermatogonial stem cells. <i>Nature Medicine</i> , 1996, 2, 693-696.	15.2	314
9	Pattern and Kinetics of Mouse Donor Spermatogonial Stem Cell Colonization in Recipient Testes1. <i>Biology of Reproduction</i> , 1999, 60, 1429-1436.	1.2	308
10	Regulation of metallothionein- α -thymidine kinase fusion plasmids injected into mouse eggs. <i>Nature</i> , 1982, 296, 39-42.	13.7	291
11	Germ Cell Genotype Controls Cell Cycle during Spermatogenesis in the Rat1. <i>Biology of Reproduction</i> , 1998, 59, 1371-1377.	1.2	279
12	Maintenance of Mouse Male Germ Line Stem Cells In Vitro1. <i>Biology of Reproduction</i> , 2003, 68, 2207-2214.	1.2	271
13	Male Germline Stem Cells: From Mice to Men. <i>Science</i> , 2007, 316, 404-405.	6.0	269
14	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.	1.4	259
15	SV40 enhancer and large-T antigen are instrumental in development of choroid plexus tumours in transgenic mice. <i>Nature</i> , 1985, 316, 457-460.	13.7	258
16	Expression of human growth hormone-releasing factor in transgenic mice results in increased somatic growth. <i>Nature</i> , 1985, 315, 413-416.	13.7	256
17	Antigen presenting function of class II MHC expressing pancreatic beta cells. <i>Nature</i> , 1988, 336, 476-479.	13.7	242
18	Peripheral tolerance to an islet cell-specific hemagglutinin transgene affects both CD4+ and CD8+ T cells. <i>European Journal of Immunology</i> , 1992, 22, 1013-1022.	1.6	228

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19	T-cell tolerance by clonal anergy in transgenic mice with nonlymphoid expression of MHC class II \hat{E} . Nature, 1989, 342, 564-566.	13.7	225
20	Transplantation of Germ Cells from Rabbits and Dogs Into Mouse Testes1. Biology of Reproduction, 1999, 61, 1331-1339.	1.2	222
21	Transgenic mice overexpressing the mouse homoeobox-containing gene Hox-1.4 exhibit abnormal gut development. Nature, 1989, 337, 464-467.	13.7	217
22	Expression of a microinjected immunoglobulin gene in the spleen of transgenic mice. Nature, 1983, 306, 332-336.	13.7	211
23	Germ cell transplantation from large domestic animals into mouse testes. Molecular Reproduction and Development, 2000, 57, 270-279.	1.0	208
24	Partial correction of murine hereditary growth disorder by germ-line incorporation of a new gene. Nature, 1984, 311, 65-67.	13.7	195
25	Allelic exclusion and control of endogenous immunoglobulin gene rearrangement in $\hat{9}$ transgenic mice. Nature, 1984, 312, 517-520.	13.7	190
26	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.	1.4	149
27	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, 142-148.	1.0	149
28	Spermatogonial stem cells \hat{E} . Biology of Reproduction, 2018, 99, 52-74.	1.2	146
29	Phenotypic and functional characteristics of spermatogonial stem cells in rats. Developmental Biology, 2004, 274, 158-170.	0.9	145
30	Peripheral neuropathies, hepatocellular carcinomas and islet cell adenomas in transgenic mice. Nature, 1985, 316, 461-463.	13.7	144
31	Fertile offspring derived from mouse spermatogonial stem cells cryopreserved for more than 14 years. Human Reproduction, 2012, 27, 1249-1259.	0.4	129
32	Retrovirus-mediated gene delivery into male germ line stem cells. FEBS Letters, 2000, 475, 7-10.	1.3	121
33	High expression of cloned immunoglobulin k gene in transgenic mice is restricted to B lymphocytes. Nature, 1984, 310, 238-241.	13.7	118
34	Infertility in Male Transgenic Mice: Disruption of Sperm Development by HSV-tk Expression in Postmeiotic Germ Cells1. Biology of Reproduction, 1990, 43, 684-693.	1.2	105
35	Studies on the development of mouse embryos in vitro. III. The effect of fixed-nitrogen source. The Journal of Experimental Zoology, 1965, 158, 69-77.	1.4	100
36	Culture of Rodent Spermatogonial Stem Cells, Male Germline Stem Cells of the Postnatal Animal. Methods in Cell Biology, 2008, 86, 59-84.	0.5	99

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37	Stem cell and niche development in the postnatal rat testis. <i>Developmental Biology</i> , 2003, 263, 253-263.	0.9	94
38	Expression of mouse IgA by transgenic mice, pigs and sheep. <i>European Journal of Immunology</i> , 1991, 21, 1001-1006.	1.6	83
39	Production of transgenic sheep with growth-regulating genes. <i>Molecular Reproduction and Development</i> , 1989, 1, 164-169.	1.0	79
40	Functional Analysis of Stem Cells in the Adult Rat Testis1. <i>Biology of Reproduction</i> , 2002, 66, 944-949.	1.2	79
41	Expression of human HPRT in the central nervous system of transgenic mice. <i>Nature</i> , 1985, 317, 250-252.	13.7	60
42	Mouse oocytes transcribe injected <i>Xenopus</i> 5S RNA gene. <i>Science</i> , 1981, 211, 396-398.	6.0	47
43	Relative growth of the skull and postcranium in giant transgenic mice. <i>Genetical Research</i> , 1990, 56, 21-34.	0.3	45
44	Enrichment and transplantation of spermatogonial stem cells. <i>Journal of Developmental and Physical Disabilities</i> , 2000, 23, 89-91.	3.6	41
45	FGF9 promotes mouse spermatogonial stem cell proliferation mediated by p38 MAPK signalling. <i>Cell Proliferation</i> , 2021, 54, e12933.	2.4	36
46	Peripheral Tolerance in Transgenic Mice: Tolerance to Class II MHC and non-MHC Transgene Antigens. <i>Immunological Reviews</i> , 1991, 122, 87-102.	2.8	34
47	Expression of an Avian Protamine in Transgenic Mice Disrupts Chromatin Structure in Spermatozoa1. <i>Biology of Reproduction</i> , 1995, 52, 20-32.	1.2	31
48	Glycogen content of preimplantation mouse embryos. <i>The Anatomical Record</i> , 1966, 155, 97-102.	2.3	29
49	Pulmonary Carcinogenesis in Transgenic Mice. <i>Experimental Lung Research</i> , 1991, 17, 305-320.	0.5	29
50	Expression, Allelic Exclusion and Somatic Mutation of Mouse Immunoglobulin Kappa Genes. <i>Immunological Reviews</i> , 1986, 89, 85-102.	2.8	27
51	Chemokine (C-X-C) Ligand 12 Facilitates Trafficking of Donor Spermatogonial Stem Cells. <i>Stem Cells International</i> , 2016, 2016, 1-8.	1.2	21
52	Lactic Dehydrogenase Activity in Preimplantation Rat Embryo. <i>Nature</i> , 1967, 214, 1246-1247.	13.7	18
53	Antigen Presentation in MHC Class II Transgenic Mice: Stimulation versus Tolerization. <i>Immunological Reviews</i> , 1990, 117, 121-134.	2.8	15
54	Isolation, Cryopreservation, and Transplantation of Spermatogonial Stem Cells. <i>Methods in Molecular Biology</i> , 2019, 2005, 205-220.	0.4	11

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55	Roles of <i>Stra8</i> and <i>Tcerg1</i> in retinoic acid induced spermatogonial differentiation in mouse. <i>Biology of Reproduction</i> , 2021, 105, 503-518.	1.2	10
56	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.	2.6	5
57	Computer assisted image analysis to assess colonization of recipient seminiferous tubules by spermatogonial stem cells from transgenic donor mice. , 1999, 53, 142.		3
58	Expression of Growth Hormone Genes in Transgenic Mice. <i>Banbury Report</i> , 1985, 20, 123-132.	1.0	1
59	Germ Cell Transplantation. , 2018, , 171-179.		0