

Carl A Pinkert

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104
papers

5,696
citations

31
h-index

75
g-index

112
ext. papers

6,030
ext. citations

9.2
avg, IF

4.77
L-index

#	Paper	IF	Citations
104	Pathogenic mitochondrial dysfunction and metabolic abnormalities. <i>Biochemical Pharmacology</i> , 2021 , 193, 114809	6	7
103	Allotopic Expression of ATP6 in Mouse as a Transgenic Model of Mitochondrial Disease. <i>Methods in Molecular Biology</i> , 2021 , 2277, 1-13	1.4	
102	Klotho Pathways, Myelination Disorders, Neurodegenerative Diseases, and Epigenetic Drugs. <i>BioResearch Open Access</i> , 2020 , 9, 94-105	2.4	10
101	Nuclear response to divergent mitochondrial DNA genotypes modulates the interferon immune response. <i>PLoS ONE</i> , 2020 , 15, e0239804	3.7	
100	Nuclear response to divergent mitochondrial DNA genotypes modulates the interferon immune response 2020 , 15, e0239804		
99	Nuclear response to divergent mitochondrial DNA genotypes modulates the interferon immune response 2020 , 15, e0239804		
98	Nuclear response to divergent mitochondrial DNA genotypes modulates the interferon immune response 2020 , 15, e0239804		
97	Nuclear response to divergent mitochondrial DNA genotypes modulates the interferon immune response 2020 , 15, e0239804		
96	Epigenetic treatment of dermatologic disorders. <i>Drug Development Research</i> , 2019 , 80, 702-713	5.1	1
95	Dynamic characteristics of the mitochondrial genome in SCNT pigs. <i>Biological Chemistry</i> , 2019 , 400, 613-623	4.5	3
94	Toward Mitochondrial Medicine 2018 , 305-313		
93	A New Approach to Treating Neurodegenerative Otologic Disorders. <i>BioResearch Open Access</i> , 2018 , 7, 107-115	2.4	7
92	Epigenetic Treatment of Persistent Viral Infections. <i>Drug Development Research</i> , 2017 , 78, 24-36	5.1	15
91	Epigenetic Treatment of Neurodegenerative Ophthalmic Disorders: An Eye Toward the Future. <i>BioResearch Open Access</i> , 2017 , 6, 169-181	2.4	11
90	Epigenetic Treatment of Neurodegenerative Disorders: Alzheimer and Parkinson Diseases. <i>Drug Development Research</i> , 2016 , 77, 109-23	5.1	40
89	Epigenetic Treatment of Neuropsychiatric Disorders: Autism and Schizophrenia. <i>Drug Development Research</i> , 2016 , 77, 53-72	5.1	25
88	Mitochondrially-imported RNA in drug discovery. <i>Drug Development Research</i> , 2015 , 76, 61-71	5.1	6

87	Mitochondrial DNA sequence and phylogenetic evaluation of geographically disparate <i>Sus scrofa</i> breeds. <i>Animal Biotechnology</i> , 2015 , 26, 17-28	1.4	8
86	Mitochondrial Haplotypes Influence Metabolic Traits in Porcine Transmitochondrial Cybrids. <i>Scientific Reports</i> , 2015 , 5, 13118	4.9	14
85	Antioxidant-mediated reversal of oxidative damage in mouse modeling of complex I inhibition. <i>Drug Development Research</i> , 2015 , 76, 72-81	5.1	8
84	Bioprotective carnitinoids: lipoic acid, butyrate, and mitochondria-targeting to treat radiation injury: mitochondrial drugs come of age. <i>Drug Development Research</i> , 2015 , 76, 167-75	5.1	10
83	Effects of transgenic sterilization constructs and their repressor compounds on hatch, developmental rate and early survival of electroporated channel catfish embryos and fry. <i>Transgenic Research</i> , 2015 , 24, 333-52	3.3	4
82	Allotopic expression of ATP6 in the mouse as a transgenic model of mitochondrial disease. <i>Methods in Molecular Biology</i> , 2015 , 1265, 255-69	1.4	1
81	Expression and knockdown of primordial germ cell genes, vasa, nanos and dead end in common carp (<i>Cyprinus carpio</i>) embryos for transgenic sterilization and reduced sexual maturity. <i>Aquaculture</i> , 2014 , 420-421, S72-S84	4.4	16
80	Alternative Methods for Transgenesis in Domestic Animal Species 2014 , 399-428		
79	Introduction to Transgenic Animal Technology 2014 , 3-13		4
78	DNA Microinjection, Embryo Handling, and Germplasm Preservation 2014 , 17-70		3
77	Gene Editing 2014 , 229-248		2
76	Analysis of Transgene Expression 2014 , 543-564		1
75	Modifying Mitochondrial Genetics 2014 , 639-656		2
74	PCR Optimization for Detection of Transgene Integration 2014 , 533-541		1
73	Isoniazid-induced cell death is precipitated by underlying mitochondrial complex I dysfunction in mouse hepatocytes. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 584-594	7.8	48
72	Genetically Engineered Animals in Product Discovery and Development 2013 , 405-460		2
71	Mouse models of mitochondrial complex I dysfunction. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 34-40	5.6	20
70	Protection by an antioxidant of rotenone-induced neuromotor decline, reactive oxygen species generation and cellular stress in mouse brain. <i>Pharmacology Biochemistry and Behavior</i> , 2012 , 101, 487-92	3.9	18

69	Central insulin resistance and synaptic dysfunction in intracerebroventricular-streptozotocin injected rodents. <i>Neurobiology of Aging</i> , 2012 , 33, 430.e5-18	5.6	58
68	Animal models of human mitochondrial DNA mutations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 601-7	4	27
67	CHAPTER 38:D-Galactose, Dietary Sugars and Modeling Neurological Aging. <i>Food and Nutritional Components in Focus</i> , 2012 , 668-685		
66	Influence of intergeneric/interspecies mitochondrial injection; parthenogenetic development of bovine oocytes after injection of mitochondria derived from somatic cells. <i>Journal of Reproduction and Development</i> , 2012 , 58, 323-9	2.1	12
65	Nuclear expression of a mitochondrial DNA gene: mitochondrial targeting of allotopically expressed mutant ATP6 in transgenic mice. <i>Journal of Biomedicine and Biotechnology</i> , 2012 , 2012, 541245		16
64	Comparative proteomic analysis of liver mitochondrial proteins derived from cloned adult pigs reconstructed with Meishan pig fibroblast cells and European pig enucleated oocytes. <i>Journal of Reproduction and Development</i> , 2012 , 58, 248-53	2.1	3
63	Transgenic Animals: Mitochondrial Genome Modification 2011 , 1044-1046		2
62	Transgenic Animals: Secreted Products 2011 , 1047-1050		
61	Mitochondrial biology in reproduction. <i>Reproductive Medicine and Biology</i> , 2011 , 10, 251-258	4.1	7
60	Xenomitochondrial mice: investigation into mitochondrial compensatory mechanisms. <i>Mitochondrion</i> , 2011 , 11, 33-9	4.9	27
59	Microinjection of serum-starved mitochondria derived from somatic cells affects parthenogenetic development of bovine and murine oocytes. <i>Mitochondrion</i> , 2010 , 10, 137-42	4.9	31
58	D-galactose effectiveness in modeling aging and therapeutic antioxidant treatment in mice. <i>Rejuvenation Research</i> , 2010 , 13, 729-35	2.6	77
57	In vivo cardioprotection by S-nitroso-2-mercaptpropionyl glycine. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 960-8	5.8	63
56	NDUFS4: creation of a mouse model mimicking a Complex I disorder. <i>Mitochondrion</i> , 2009 , 9, 204-10	4.9	49
55	Expression of AID transgene is regulated in activated B cells but not in resting B cells and kidney. <i>Molecular Immunology</i> , 2008 , 45, 1883-92	4.3	22
54	The mitochondrial genome sequence of <i>Mus terricolor</i> : comparison with <i>Mus musculus domesticus</i> and implications for xenomitochondrial mouse modeling. <i>Gene</i> , 2008 , 418, 27-33	3.8	13
53	Cybrid models of mtDNA disease and transmission, from cells to mice. <i>Current Topics in Developmental Biology</i> , 2007 , 77, 157-83	5.3	34
52	Generation of transmitochondrial mice: development of xenomitochondrial mice to model neurodegenerative diseases. <i>Methods in Cell Biology</i> , 2007 , 80, 549-69	1.8	15

51	Muscle growth after postdevelopmental myostatin gene knockout. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E985-91	6	77
50	Intraarticular induction of interleukin-1beta expression in the adult mouse, with resultant temporomandibular joint pathologic changes, dysfunction, and pain. <i>Arthritis and Rheumatism</i> , 2006 , 54, 1184-97		47
49	Myofibrillar protein synthesis in myostatin-deficient mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E409-15	6	72
48	Foundation Review: Transgenic animals and their impact on the drug discovery industry. <i>Drug Discovery Today</i> , 2005 , 10, 757-67	8.8	30
47	Microinjection of cytoplasm or mitochondria derived from somatic cells affects parthenogenetic development of murine oocytes. <i>Biology of Reproduction</i> , 2005 , 72, 1397-404	3.9	61
46	Animal Modeling. <i>Oxidative Stress and Disease</i> , 2005 , 559-580		1
45	Cybrids in the Study of Animal Mitochondrial Genetics and Pathology. <i>Oxidative Stress and Disease</i> , 2005 , 539-558		
44	Xenomitochondrial embryonic stem cells and mice: modeling human mitochondrial biology and disease. <i>Gene Therapy and Regulation</i> , 2004 , 2, 283-300		6
43	Production of homoplasmic xenomitochondrial mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 1685-90	11.5	66
42	Development and initial characterization of xenomitochondrial mice. <i>Journal of Bioenergetics and Biomembranes</i> , 2004 , 36, 421-7	3.7	21
41	Transgenic mouse with human mutant p53 expression in the prostate epithelium. <i>Prostate</i> , 2004 , 61, 26-34	4.2	15
40	Developmental fate of mitochondria microinjected into murine zygotes. <i>Mitochondrion</i> , 2003 , 3, 39-46	4.9	10
39	Functional respiratory chain analyses in murid xenomitochondrial cybrids expose coevolutionary constraints of cytochrome b and nuclear subunits of complex III. <i>Molecular Biology and Evolution</i> , 2003 , 20, 1117-24	8.3	105
38	Genetic Engineering of Animals. <i>Handbook Series for Mechanical Engineering</i> , 2003 ,		1
37	Transgenic animal technology: alternatives in genotyping and phenotyping. <i>Comparative Medicine</i> , 2003 , 53, 126-39	1.6	14
36	Mouse embryo yield and viability after euthanasia by CO2 inhalation or cervical dislocation. <i>Comparative Medicine</i> , 2003 , 53, 510-3	1.6	10
35	Introduction to Transgenic Animal Technology 2002 , 3-12		9
34	Mitochondrial activity in response to serum starvation in bovine (<i>Bos taurus</i>) cell culture. <i>Cloning and Stem Cells</i> , 2002 , 4, 223-9		24

33	Production of transmitochondrial mice. <i>Methods</i> , 2002 , 26, 348-57	4.6	43
32	Effects of sequence and structure on the hypermutability of immunoglobulin genes. <i>Immunity</i> , 2002 , 16, 123-34	32.3	66
31	PCR Optimization for Detection of Transgene Integration 2002 , 475-484		1
30	DNA Microinjection and Transgenic Animal Production 2002 , 15-70		6
29	Production of Transgenic Swine by DNA Microinjection 2002 , 307-336		5
28	Membrane cofactor protein (MCP; CD46) expression in transgenic mice. <i>Clinical and Experimental Immunology</i> , 2001 , 124, 180-9	6.2	80
27	The C(H)1 and transmembrane domains of mu in the context of a gamma2b transgene do not suffice to promote B cell maturation. <i>International Immunology</i> , 1999 , 11, 1663-71	4.9	2
26	Isolation and microinjection of somatic cell-derived mitochondria and germline heteroplasmy in transmitochondrial mice. <i>Transgenic Research</i> , 1999 , 8, 119-23	3.3	48
25	Targeted disruption of mouse long-chain acyl-CoA dehydrogenase gene reveals crucial roles for fatty acid oxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 15592-7	11.5	185
24	Functional correction of short-chain acyl-CoA dehydrogenase deficiency in transgenic mice: implications for gene therapy of human mitochondrial enzyme deficiencies. <i>Human Molecular Genetics</i> , 1997 , 6, 1451-5	5.6	18
23	In vitro fertilization in mice: Strain differences in response to superovulation protocols and effect of cumulus cell removal. <i>Theriogenology</i> , 1997 , 47, 1245-52	2.8	38
22	Optimization of embryo transfer protocols for mice. <i>Theriogenology</i> , 1996 , 46, 1267-76	2.8	21
21	Identification of transgenic mice by PCR analysis of saliva. <i>Nature Biotechnology</i> , 1996 , 14, 1146-8	44.5	31
20	Transgenic mice expressing a chimaeric anti-E. coli immunoglobulin alpha heavy chain gene. <i>Transgenic Research</i> , 1994 , 3, 167-75	3.3	6
19	Liver, renal and subcutaneous histopathology in PEPCK-bGH transgenic pigs. <i>Transgenic Research</i> , 1994 , 3, 401-5	3.3	14
18	DNA Microinjection and Transgenic Animal Production 1994 , 15-68		10
17	Production of Transgenic Swine 1994 , 315-338		2
16	Superovulation and egg transfer in Yucatan miniature swine. <i>Animal Reproduction Science</i> , 1993 , 31, 155-163	1.63	6

15	Production of functional human hemoglobin in transgenic swine. <i>Nature Biotechnology</i> , 1992 , 10, 557-9	44.5	79
14	A strain-specific modifier on mouse chromosome 4 controls the methylation of independent transgene loci. <i>Cell</i> , 1991 , 65, 939-47	56.2	212
13	Characterization of transgenic livestock production. <i>Domestic Animal Endocrinology</i> , 1990 , 7, 1-18	2.3	14
12	Histopathology associated with elevated levels of growth hormone and insulin-like growth factor I in transgenic mice. <i>Endocrinology</i> , 1989 , 124, 40-8	4.8	214
11	Molecular pathogenesis of hepatocellular carcinoma in hepatitis B virus transgenic mice. <i>Cell</i> , 1989 , 59, 1145-56	56.2	614
10	Elevated PC responsive B cells and anti-PC antibody production in transgenic mice harboring anti-PC immunoglobulin genes. <i>Veterinary Immunology and Immunopathology</i> , 1989 , 23, 321-32	2	10
9	Immortalized differentiated hepatocyte lines derived from transgenic mice harboring SV40 T-antigen genes. <i>Experimental Cell Research</i> , 1988 , 175, 354-62	4.2	94
8	The E mu-myc transgenic mouse. A model for high-incidence spontaneous lymphoma and leukemia of early B cells. <i>Journal of Experimental Medicine</i> , 1988 , 167, 353-71	16.6	355
7	Simian virus 40 (SV40)-transgenic mice that develop tumors are specifically tolerant to SV40 T antigen. <i>Journal of Experimental Medicine</i> , 1987 , 165, 417-27	16.6	46
6	Progress on gene transfer in farm animals. <i>Veterinary Immunology and Immunopathology</i> , 1987 , 17, 303-12		62
5	Tumorigenesis in transgenic mice by a nuclear transport-defective SV40 large T-antigen gene. <i>Virology</i> , 1987 , 160, 169-75	3.6	18
4	Pancreatic neoplasia induced by ras expression in acinar cells of transgenic mice. <i>Cell</i> , 1987 , 48, 1023-34	56.2	254
3	Transgenic mice selectively lacking MHC class II (I-E) antigen expression on B cells: an in vivo approach to investigate Ia gene function. <i>Cell</i> , 1987 , 51, 175-87	56.2	133
2	Transgenic mice with mu and kappa genes encoding antiphosphorylcholine antibodies. <i>Journal of Experimental Medicine</i> , 1986 , 164, 627-41	16.6	139
1	The c-myc oncogene driven by immunoglobulin enhancers induces lymphoid malignancy in transgenic mice. <i>Nature</i> , 1985 , 318, 533-8	50.4	1553