Christian F Deschepper

List of Publications by Year
in descending order

85	4,768	159585 30	98798 67
papers	citations	h-index	g-index

86	86	86	5594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Collaborative Cross, a community resource for the genetic analysis of complex traits. Nature Genetics, 2004, 36, 1133-1137.	21.4	1,034
2	M13-Tailed Primers Improve the Readability and Usability of Microsatellite Analyses Performed with Two Different Allele- Sizing Methods. BioTechniques, 2001, 31, 25-28.	1.8	527
3	Neurosteroid biosynthesis: genes for adrenal steroidogenic enzymes are expressed in the brain. Brain Research, 1993, 629, 283-292.	2.2	374
4	Analysis by immunocytochemistry and in situ hybridization of renin and its mRNA in kidney, testis, adrenal, and pituitary of the rat.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 7552-7556.	7.1	244
5	Extra-atrial expression of the gene for atrial natriuretic factor.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 6697-6701.	7.1	219
6	Beneficial Effects of Long-Term Use of the Antioxidant Probucol in Heart Failure in the Rat. Circulation, 2002, 105, 2549-2555.	1.6	133
7	Neonatal Oxygen Exposure in Rats Leads to Cardiovascular and Renal Alterations in Adulthood. Hypertension, 2008, 52, 889-895.	2.7	125
8	Colocalization of angiotensinogen and glial fibrillary acidic protein in astrocytes in rat brain. Brain Research, 1986, 374, 195-198.	2.2	117
9	Sildenafil and cardiomyocyte-specific cGMP signaling prevent cardiomyopathic changes associated with dystrophin deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7028-7033.	7.1	103
10	Production of thrombin and antithrombin III by brain and astroglial cell cultures. Molecular Brain Research, 1991, 11, 355-358.	2.3	87
11	Advancing the spontaneous hypertensive rat model of attention deficit/hyperactivity disorder.. Behavioral Neuroscience, 2008, 122, 340-357.	1.2	78
12	Comparisons of Behavioral and Neurochemical Characteristics between WKY, WKHA, and Wistar Rat Strains. Neuropsychopharmacology, 2002, 27, 400-409.	5.4	77
13	Expression of Constitutively Active Guanylate Cyclase in Cardiomyocytes Inhibits the Hypertrophic Effects of Isoproterenol and Aortic Constriction on Mouse Hearts. Journal of Biological Chemistry, 2003, 278, 47694-47699.	3.4	77
14	Angiotensinogen production by rat astroglial cells in vitro and in vivo. Neuroscience, 1990, 34, 545-554.	2.3	71
15	Regulation of energy metabolism by neurotransmitters in astrocytes in primary culture and in an immortalized cell line. , 1997, 21, 74-83.		69
16	Characterization of blood pressure and morphological traits in cardiovascular-related organs in 13 different inbred mouse strains. Journal of Applied Physiology, 2004, 97, 369-376.	2.5	65
17	Increased expression and intramitochondrial translocation of cyclophilin-D associates with increased vulnerability of the permeability transition pore to stress-induced opening during compensated ventricular hypertrophy. Journal of Molecular and Cellular Cardiology, 2009, 46, 420-430.	1.9	56
18	Inhibition of mitogen-activated protein/extracellular signal-regulated kinase improves endothelial function and attenuates Ang II-induced contractility of mesenteric resistance arteries from spontaneously hypertensive rats. Journal of Hypertension, 2002, 20, 1127-1134.	0.5	55

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19	Vascular Structure and Expression of Endothelin-1 Gene in L-NAMEâ€"Treated Spontaneously Hypertensive Rats. Hypertension, 1996, 27, 49-55.	2.7	55
20	Immunohistochemical evidence for cholecystokinin-like peptides in neuronal cell bodies of the rat spinal cord. Cell and Tissue Research, 1982, 223, 463-467.	2.9	49
21	In Search of Cardiovascular Candidate Genes. Hypertension, 2002, 39, 332-336.	2.7	45
22	Compensated volume overload increases the vulnerability of heart mitochondria without affecting their functions in the absence of stress. Journal of Molecular and Cellular Cardiology, 2006, 41, 998-1009.	1.9	45
23	Alterations in mitochondrial function as a harbinger of cardiomyopathy: Lessons from the dystrophic heart. Journal of Molecular and Cellular Cardiology, 2010, 48, 310-321.	1.9	43
24	Functional Alterations of theNppaPromoter Are Linked to Cardiac Ventricular Hypertrophy in WKY/WKHA Rat Crosses. Circulation Research, 2001, 88, 223-228.	4.5	41
25	Angiotensinogen: Hormonal regulation and relative importance in the generation of angiotensin II. Kidney International, 1994, 46, 1561-1563.	5.2	40
26	Hypertensive Cardiac Remodeling in Males and Females. Hypertension, 2007, 49, 401-407.	2.7	36
27	Effects of Câ€Type Natriuretic Peptide on Rat Astrocytes: Regional Differences and Characterization of Receptors. Journal of Neurochemistry, 1994, 62, 1974-1982.	3.9	35
28	Cyclic GMP Inhibits a Pharmacologically Distinct Na+/H+ Exchanger Variant in Cultured Rat Astrocytes via an Extracellular Site of Action. Journal of Neurochemistry, 2002, 68, 1451-1461.	3.9	34
29	Evidence for intracellular generation of angiotensin II in rat juxtaglomerular cells. FEBS Letters, 1998, 422, 395-399.	2.8	33
30	Characterization of ?plasma proteins? secreted by cultured rat macroglial cells. Glia, 1993, 7, 121-133.	4.9	32
31	Further Studies on the Localization of Angiotensin-II-Like Immunoreactivity in the Anterior Pituitary Gland of the Male Rat, Comparing Various Antisera to Pituitary Hormones and Their Specificity. Neuroendocrinology, 1985, 40, 471-475.	2.5	31
32	Chromosome Y genetic variants: impact in animal models and on human disease. Physiological Genomics, 2015, 47, 525-537.	2.3	31
33	Cholecystokinin varies in the posterior pituitary and external median eminence of the rat according to factors affecting vasopressin and oxytocin. Life Sciences, 1983, 32, 2571-2577.	4.3	30
34	Cyclic GMP signaling in cardiomyocytes modulates fatty acid trafficking and prevents triglyceride accumulation. Journal of Molecular and Cellular Cardiology, 2008, 45, 230-239.	1.9	29
35	Importance of randomization in microarray experimental designs with Illumina platforms. Nucleic Acids Research, 2009, 37, 5610-5618.	14.5	29
36	Renin-Angiotensin System in the Anterior Pituitary of the Rat. American Journal of Hypertension, 1989, 2, 320-322.	2.0	28

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37	Peptide Receptors on Astrocytes. Frontiers in Neuroendocrinology, 1998, 19, 20-46.	5.2	27
38	Tissue Targeting of Angiotensin Peptides. Journal of Biological Chemistry, 1997, 272, 12994-12999.	3.4	26
39	Comparison of Effect of Endothelin Antagonism and Angiotensin-Converting Enzyme Inhibition on Blood Pressure and Vascular Structure in Spontaneously Hypertensive Rats Treated With N Ï‰ -Nitro- l -Arginine Methyl Ester. Hypertension, 1996, 28, 188-195.	2.7	26
40	Early predictors of cardiac decompensation in experimental volume overload. Molecular and Cellular Biochemistry, 2010, 338, 271-282.	3.1	25
41	Characterization and distribution of angiotensin II binding sites in fetal and neonatal astrocytes from different rat brain regions. Brain Research, 1992, 585, 372-376.	2.2	24
42	In situ hybridization identifies renin mRNA in the rat corpus luteum. Gynecological Endocrinology, 1987, 1, 227-233.	1.7	23
43	Characteristics of Trabeculated Myocardium Burden in Young and Apparently Healthy Adults. American Journal of Cardiology, 2014, 114, 1094-1099.	1.6	22
44	Differences in Cell-Typeâ€“Specific Responses to Angiotensin II Explain Cardiac Remodeling Differences in C57BL/6 Mouse Substrains. Hypertension, 2014, 64, 1040-1046.	2.7	22
45	Prorenin activation and prohormone convertases in the mouse As4.1 cell line. Kidney International, 1997, 51, 104-109.	5.2	21
46	Dietary isoflavones during pregnancy and lactation provide cardioprotection to offspring rats in adulthood. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H715-H721.	3.2	21
47	Medial temporal lobe functioning and structure in the spontaneously hypertensive rat: Comparison with Wistarâ€“Kyoto normotensive and Wistarâ€“Kyoto hypertensive strains. Hippocampus, 2010, 20, 787-797.	1.9	21
48	An Integrated Hierarchical Bayesian Model for Multivariate eQTL Mapping. Statistical Applications in Genetics and Molecular Biology, 2012, 11, .	0.6	21
49	Cardiac mass and cardiomyocyte size are governed by different genetic loci on either autosomes or chromosome Y in recombinant inbred mice. Physiological Genomics, 2007, 31, 176-182.	2.3	19
50	The renin-angiotensin system in the pituitary gland. Trends in Endocrinology and Metabolism, 1991, 2, 104-107.	7.1	17
51	The membranes of cultured rat brain astrocytes contain endothelin-converting enzyme activity. European Journal of Pharmacology, 1995, 275, 61-66.	3.5	17
52	Generation of cyclic guanosine monophosphate in brain slices incubated with atrial or C-type natriuretic peptides: comparison of the amplitudes and cellular distribution of the responses. Regulatory Peptides, 1995, 57, 55-63.	1.9	15
53	Characterization of myocardium, isolated cardiomyocytes, and blood pressure in WKHA and WKY rats. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H149-H155.	3.2	15
54	Chromosome Y variants from different inbred mouse strains are linked to differences in the morphologic and molecular responses of cardiac cells to postpubertal testosterone. BMC Genomics, 2009, 10, 150.	2.8	15

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55	Novel Effects of Chromosome Y on Cardiac Regulation, Chromatin Remodeling, and Neonatal Programming in Male Mice. Endocrinology, 2013, 154, 4746-4756.	2.8	14
56	Interference of eluates from octadecyl cartridges with an angiotensin II radioimmunoassay. Peptides, 1986, 7, 365-367.	2.4	13
57	High salt intake differentially regulates kidney angiotensin IV AT4 receptors in Wistar-Kyoto and spontaneously hypertensive rats. Life Sciences, 1999, 64, 1811-1818.	4.3	13
58	Genetic Determinants of Systolic and Pulse Pressure in an Intercross Between Normotensive Inbred Rats. Hypertension, 2006, 48, 921-926.	2.7	11
59	Fibroblast apoptosis precedes cardiomyocyte mass reduction during left ventricular remodeling in hypertensive rats treated with amlodipine. Journal of Hypertension, 2007, 25, 1291-1299.	0.5	11
60	Protective Effects of Aspirin from Cardiac Hypertrophy and Oxidative Stress in Cardiomyopathic Hamsters. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-8.	4.0	11
61	Expression of the gene for the atrial natriuretic peptide in cardiac myocytes in vitro. Cardiovascular Drugs and Therapy, 1988, 2, 479-486.	2.6	10
62	iBMQ: a R/Bioconductor package for integrated Bayesian modeling of eQTL data. Bioinformatics, 2013, 29, 2797-2798.	4.1	10
63	Distinct QTLs are linked to cardiac left ventricular mass in a sex-specific manner in a normotensive inbred rat intercross. Mammalian Genome, 2005, 16, 700-711.	2.2	9
64	Genome-Wide Detection of Gene Coexpression Domains Showing Linkage to Regions Enriched with Polymorphic Retrotransposons in Recombinant Inbred Mouse Strains. G3: Genes, Genomes, Genetics, 2013, 3, 597-605.	1.8	9
65	Regulatory effects of the Uty/Ddx3y locus on neighboring chromosome Y genes and autosomal mRNA transcripts in adult mouse non-reproductive cells. Scientific Reports, 2020, 10, 14900.	3.3	9
66	Distribution of Angiotensinogen Immunoreactivity in Rat Anterior Pituitary Glands. Experimental Biology and Medicine, 1991, 197, 304-309.	2.4	8
67	Immunocytochemical and functional characterization of an immortalized type 1 astrocytic cell line. Brain Research, 1994, 642, 221-227.	2.2	8
68	Identification and cellular localization of protein kinase C isoforms in cultures of rat type-1 astrocytes. Brain Research, 1995, 701, 297-300.	2.2	8
69	A Genetic Locus Accentuates the Effect of Volume Overload on Adverse Left Ventricular Remodeling in Male and Female Rats. Hypertension, 2006, 47, 128-133.	2.7	8
70	Experimental basis for increasing the therapeutic index ofcis-diamminedicarboxylatocyclobutaneplatinum(II) in brain tumor therapy by a high-zinc diet. Cancer Chemotherapy and Pharmacology, 1992, 29, 219-226.	2.3	7
71	The Many Possible Benefits of Natriuretic Peptides After Myocardial Infarction. Hypertension, 2005, 46, 271-272.	2.7	7
72	Demonstration of Androgen-Binding Protein Gene Expression in Primary Neuronal and Astrocyte Cultures. Molecular and Cellular Neurosciences, 1993, 4, 432-439.	2.2	6

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73	Comparative effects of a vasopeptidase inhibitor vs. an angiotensin converting enzyme inhibitor on cardiomyocyte apoptosis in rats with heart failure. Molecular and Cellular Biochemistry, 2003, 254, 235-245.	3.1	6
74	The reninâ€“angiotensin system in hybrid NG108-15 cells. Regulatory Peptides, 1998, 77, 9-15.	1.9	5
75	Comparisons of chromosome Y-substituted mouse strains reveal that the male-specific chromosome modulates the effects of androgens on cardiac functions. Biology of Sex Differences, 2016, 7, 61.	4.1	5
76	The Cardiac Antihypertrophic Effects of Cyclic GMP-Generating Agents: An Experimental Framework for Novel Treatments of Left Ventricular Remodeling. Vascular Disease Prevention, 2005, 2, 151-157.	0.2	5
77	Dissociation of coronary artery contractile hyperreactivity from hypertension. American Journal of Hypertension, 2003, 16, 570-576.	2.0	4
78	Cardioprotective Actions of Cyclic GMP. Hypertension, 2010, 55, 453-458.	2.7	4
79	Network statistics of genetically-driven gene co-expression modules in mouse crosses. Frontiers in Genetics, 2013, 4, 291.	2.3	4
80	Association of a Network of Interferon-Stimulated Genes with a Locus Encoding a Negative Regulator of Non-conventional IKK Kinases and IFNB1. Cell Reports, 2016, 17, 425-435.	6.4	4
81	Dual Linkage of a Locus to Left Ventricular Mass and a Cardiac Gene Co-Expression Network Driven by a Chromosome Domain. Frontiers in Cardiovascular Medicine, 2014, 1, 11.	2.4	2
82	Uncovering genes associated with human cardiovascular risk. Journal of Hypertension, 2003, 21, 1445-1446.	0.5	1
83	Viewing the male-specific chromosome Y in a new light. European Journal of Human Genetics, 2017, 25, 1177-1178.	2.8	1
84	Implication of Cyclophilin D and Permeability Transition Pore in Mitochondrial Vulnerability of Compensated Heart Hypertrophy. FASEB Journal, 2008, 22, 1238.17.	0.5	1
85	A high fat/high fructose (HF) diet does not exacerbate the metabolic or cardiac functional consequences induced by diabetes in C57Bl6J mice. FASEB Journal, 2012, 26, lb351.	0.5	0