Nelson Ruiz-Opazo

List of Publications by Year
in descending order

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79	5,039	304743	88630
papers	citations	22 h-index	70 g-index

81	81	81	10761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Identification of integrated hepatitis B virus DNA and expression of viral RNA in an HBsAg-producing human hepatocellular carcinoma cell line. Nature, 1980, 286, 531-533.	27.8	246
3	Spontaneous combined hyperlipidemia, coronary heart disease and decreased survival in Dahl salt-sensitive hypertensive rats transgenic for human cholesteryl ester transfer protein. Nature Medicine, 1999, 5, 1383-1389.	30.7	125
4	Comparison of Î±-tropomyosin sequences from smooth and striated muscle. Nature, 1985, 315, 67-70.	27.8	122
5	Prenatal Malnutrition-Induced Changes in Blood Pressure. Hypertension, 1998, 32, 108-114.	2.7	119
6	Evidence for supercoiled hepatitis B virus DNA in chimpanzee liver and serum dane particles: Possible implications in persistent HBV infection. Cell, 1982, 29, 129-138.	28.9	88
7	Cloning and tissue distribution of rat heart fatty acid binding protein mRNA: identical forms in heart and skeletal muscle. Biochemistry, 1987, 26, 7900-7904.	2.5	78
8	Identification of a novel dual angiotensin II/vasopressin receptor on the basis of molecular recognition theory. Nature Medicine, 1995, 1, 1074-1081.	30.7	66
9	Interaction of Î± ₁ -Na,K-ATPase and Na,K,2Cl-Cotransporter Genes in Human Essential Hypertension. Hypertension, 2001, 38, 204-209.	2.7	53
10	Development and Use of a Rat Albumin cDNA Clone to Evaluate the Effect of Chronic Ethanol Administration on Hepatic Protein Synthesis. Hepatology, 2007, 3, 317-322.	7.3	53
11	Highly Specific and Sensitive Fluorescent Nanoprobes for Image-Guided Resection of Sub-Millimeter Peritoneal Tumors. ACS Nano, 2017, 11, 1466-1477.	14.6	43
12	Attenuated Hippocampus-Dependent Learning and Memory Decline in Transgenic TgAPPswe Fischer-344 Rats. Molecular Medicine, 2004, 10, 36-44.	4.4	41
13	Sex-specific QTLs and interacting loci underlie salt-sensitive hypertension and target organ complications in Dahl S/jrHS hypertensive rats. Physiological Genomics, 2006, 26, 172-179.	2.3	36
14	Association of ATP1A1 and Dear Single-Nucleotide Polymorphism Haplotypes With Essential Hypertension. Circulation Research, 2007, 100, 1522-1529.	4.5	36
15	Molecular Characterization of a Dual Endothelin-1/Angiotensin II Receptor. Molecular Medicine, 1998, 4, 96-108.	4.4	34
16	Nucleic acid nanomedicines in Phase II/III clinical trials: translation of nucleic acid therapies for reprogramming cells. Nanomedicine, 2018, 13, 2083-2098.	3.3	31
17	Sequence and expression of Tangier apoA-I gene. FEBS Journal, 1988, 173, 465-471.	0.2	30
18	The ?1 Na+?K+ pump of the Dahl salt-sensitive rat exhibits altered Na+ modulation of K+ transport in red blood cells. Journal of Membrane Biology, 1993, 134, 107-22.	2.1	30

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19	The Dual AngII/AVP Receptor Gene N119S/C163R Variant Exhibits Sodium-Induced Dysfunction and Cosegregates With Salt-Sensitive Hypertension in the Dahl Salt-Sensitive Hypertensive Rat Model. Molecular Medicine, 2002, 8, 24-32.	4.4	30
20	Hypertension Exacerbates Coronary Artery Disease in Transgenic Hyperlipidemic Dahl Salt-sensitive Hypertensive Rats. Molecular Medicine, 2001, 7, 831-844.	4.4	29
21	Prestroke Proteomic Changes in Cerebral Microvessels in Stroke-Prone, Transgenic[hCETP]-Hyperlipidemic, Dahl Salt-Sensitive Hypertensive Rats. Molecular Medicine, 2011, 17, 588-598.	4.4	29
22	Aortic and Carotid Arterial Stiffness and Epigenetic Regulator Gene Expression Changes Precede Blood Pressure Rise in Stroke-Prone Dahl Salt-Sensitive Hypertensive Rats. PLoS ONE, 2014, 9, e107888.	2.5	27
23	Î± 1 Na,K-ATPase and Na,K,2Cl-Cotransporter/D3mit3 Loci Interact to Increase Susceptibility to Salt-Sensitive Hypertension in Dahl SHSD Rats. Molecular Medicine, 2001, 7, 125-134.	4.4	24
24	Characterization of a Sodium-Response Transcriptional Mechanism. Hypertension, 1997, 30, 191-198.	2.7	22
25	Analysis of gender-specific atherosclerosis susceptibility in transgenic[hCETP]25DS rat model. Atherosclerosis, 2004, 177, 9-18.	0.8	21
26	Evaluation of expansile nanoparticle tumor localization and efficacy in a cancer stem cell-derived model of pancreatic peritoneal carcinomatosis. Nanomedicine, 2016, 11, 1001-1015.	3.3	20
27	Modulation of Learning and Memory in Dahl Rats by Dietary Salt Restriction. Hypertension, 2004, 43, 797-802.	2.7	19
28	Embryonic lethality in Dear gene-deficient mice: new player in angiogenesis. Physiological Genomics, 2005, 23, 257-268.	2.3	19
29	Genetic studies in rat models: insights into cardiovascular disease. Current Opinion in Lipidology, 2005, 16, 179-191.	2.7	18
30	Molecular Imaging of Vasa Vasorum Neovascularization via DEspR-targeted Contrast-enhanced Ultrasound Micro-imaging in Transgenic Atherosclerosis Rat Model. Molecular Imaging and Biology, 2011, 13, 1096-1106.	2.6	18
31	DEspRhigh neutrophils are associated with critical illness in COVID-19. Scientific Reports, 2021, 11, 22463.	3.3	18
32	Sex-specific effects of dual ET-1/ANG II receptor (Dear) variants in Dahl salt-sensitive/resistant hypertension rat model. Physiological Genomics, 2005, 20, 157-164.	2.3	17
33	Early-Life Sodium Exposure Unmasks Susceptibility to Stroke in Hyperlipidemic, Hypertensive Heterozygous Tg25 Rats Transgenic for Human Cholesteryl Ester Transfer Protein. Circulation, 2009, 119, 1501-1509.	1.6	17
34	Renal Immunocytochemical Distribution and Pharmacological Properties of the Dual Angiotensin II/AVP Receptor. Hypertension, 1997, 29, 957-961.	2.7	17
35	Pressure-Overload Deinduction of Human Î± ₂ Na,K-ATPase Gene Expression in Transgenic Rats. Hypertension, 1997, 29, 606-612.	2.7	16
36	DEspR Roles in Tumor Vasculo-Angiogenesis, Invasiveness, CSC-Survival and Anoikis Resistance: A â€˜Common Receptor Coordinatorâ€™ Paradigm. PLoS ONE, 2014, 9, e85821.	2.5	16

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37	Chlamydia pneumoniae Accelerates Coronary Artery Disease Progression in Transgenic Hyperlipidemia-Genetic Hypertension Rat Model. Molecular Medicine, 2003, 9, 135-142.	4.4	14
38	Genome-Wide Scan Identifies Novel QTLs for Cholesterol and LDL Levels in F2[Dahl RÃ—S]-Intercross Rats. Circulation Research, 2004, 94, 446-452.	4.5	14
39	Functional Polymorphism of the Anpep Gene Increases Promoter Activity in the Dahl Salt-Resistant Rat. Hypertension, 2007, 49, 467-472.	2.7	14
40	Sex-Specific Effects of NLRP6/AVR and ADM Loci on Susceptibility to Essential Hypertension in a Sardinian Population. PLoS ONE, 2013, 8, e77562.	2.5	14
41	Transcription of human hepatitis B virus core antigen gene sequences in an in vitro HeLa cellular extract. Virology, 1981, 111, 647-652.	2.4	13
42	Differential Regulation of Functional Gene Clusters in Overt Coronary Artery Disease in a Transgenic Atherosclerosis-hypertensive Rat Rodel. Molecular Medicine, 2002, 8, 367-375.	4.4	13
43	Sex-specific hippocampus-dependent cognitive deficits and increased neuronal autophagy in DEspR haploinsufficiency in mice. Physiological Genomics, 2008, 35, 316-329.	2.3	13
44	Identification of the V1 vasopressin receptor by chemical cross-linking and ligand affinity blotting. Biochemistry, 1991, 30, 8611-8616.	2.5	12
45	Genetics of hypertension. Trends in Cardiovascular Medicine, 1991, 1, 185-189.	4.9	12
46	Beyond genetic markers. Journal of Hypertension, 1994, 12, 847???856.	0.5	12
47	Genome-wide scan for quantitative trait loci influencing spatial navigation and social recognition memory in Dahl rats. Physiological Genomics, 2006, 26, 145-151.	2.3	12
48	Corroboration of Dahl S Q276L Î±1Na,K-ATPase protein sequence: impact on affinities for ligands and on E1 conformation. Journal of Hypertension, 2005, 23, 745-752.	0.5	11
49	Overlapping genes in Nalp6/PYPAF5 locus encode two V2-type vasopressin isoreceptors: angiotensin-vasopressin receptor (AVR) and non-AVR. Physiological Genomics, 2008, 34, 65-77.	2.3	11
50	Analysis of cd45- [cd34+/kdr+] Endothelial Progenitor Cells as Juvenile Protective Factors in a Rat Model of Ischemic-Hemorrhagic Stroke. PLoS ONE, 2013, 8, e55222.	2.5	11
51	Characterization of viral genomes in the liver and serum of chimpanzee long-term hepatitis B virus carriers: A possible role for supercoiled HBV-DNA in persistent HBV infection. Journal of Cellular Biochemistry, 1982, 19, 281-292.	2.6	10
52	Identification of a Novel V1-type AVP Receptor Based on the Molecular Recognition Theory. Molecular Medicine, 2001, 7, 499-506.	4.4	9
53	Non-association of the thiazide-sensitive Na,Cl-cotransporter gene with polygenic hypertension in both rats and humans. Journal of Hypertension, 2001, 19, 1547-1551.	0.5	9
54	Sex-specific genetic determinants for arterial stiffness in Dahl salt-sensitive hypertensive rats. BMC Genetics, 2016, 17, 19.	2.7	9

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55	The dual AngII/AVP receptor gene N119S/C163R variant exhibits sodium-induced dysfunction and cosegregates with salt-sensitive hypertension in the Dahl salt-sensitive hypertensive rat model. Molecular Medicine, 2002, 8, 24-32.	4.4	9
56	A targetable â€˜rogueâ€™ neutrophil-subset, [CD11b+DEspR+] immunotype, is associated with severity and mortality in acute respiratory distress syndrome (ARDS) and COVID-19-ARDS. Scientific Reports, 2022, 12, 5583.	3.3	9
57	AVR/NAVR deficiency lowers blood pressure and differentially affects urinary concentrating ability, cognition, and anxiety-like behavior in male and female mice. Physiological Genomics, 2011, 43, 32-42.	2.3	8
58	X-linked locus associated with hypertensive renal disease susceptibility in Dahl rats. Journal of Hypertension, 2003, 21, 67-71.	0.5	7
59	DEspR T/CATAAAA-box promoter variant decreases DEspR transcription and is associated with increased BP in Sardinian males. Physiological Genomics, 2011, 43, 1219-1225.	2.3	6
60	Sex-Specific Effects on Spatial Learning and Memory, and Sex-Independent Effects on Blood Pressure of a <3.3 Mbp Rat Chromosome 2 QTL Region in Dahl Salt-Sensitive Rats. PLoS ONE, 2013, 8, e67673.	2.5	6
61	Humanized anti-DEspR IgG4S228P antibody increases overall survival in a pancreatic cancer stem cell-xenograft peritoneal carcinomatosis ratnu/nu model. BMC Cancer, 2021, 21, 407.	2.6	6
62	X-linked loci influence spatial navigation performance in Dahl rats. Physiological Genomics, 2004, 16, 329-333.	2.3	5
63	Dahl (S x R) Congenic Strain Analysis Confirms and Defines a Chromosome 5 Female-Specific Blood Pressure Quantitative Trait Locus to <7 Mbp. PLoS ONE, 2012, 7, e42214.	2.5	5
64	Confirmation of translatability and functionality certifies the dual endothelin1/VEGFsp receptor (DEspR) protein. BMC Molecular Biology, 2016, 17, 15.	3.0	5
65	Differential Genetic Basis for Pre-Menopausal and Post-Menopausal Salt-Sensitive Hypertension. PLoS ONE, 2012, 7, e43160.	2.5	5
66	Genome-wide scan for interacting loci affecting human cholesteryl ester transfer protein-induced hypercholesterolemia in transgenic human cholesteryl ester transfer protein F2-intercross rats. Journal of Hypertension, 2007, 25, 1608-1612.	0.5	4
67	A Functional 12T-Insertion Polymorphism in the ATP1A1 Promoter Confers Decreased Susceptibility to Hypertension in a Male Sardinian Population. PLoS ONE, 2015, 10, e0116724.	2.5	4
68	Distinct QTLs cosegregate with worse hypertension and renal disease in ovariectomized F2[Dahl Sâ€ŠÃ—â€ŠR]-intercross rats. Journal of Hypertension, 2012, 30, 1572-1580.	0.5	3
69	Dahl (S Ã— R) Rat Congenic Strain Analysis Confirms and Defines a Chromosome 17 Spatial Navigation Quantitative Trait Locus to <10 Mbp. PLoS ONE, 2013, 8, e58280.	2.5	3
70	Rat as a model system for hypertension drug discovery. Drug Discovery Today: Disease Models, 2008, 5, 179-184.	1.2	2
71	Worse Renal Disease in Postmenopausal F2[Dahl S x R]-Intercross Rats: Detection of Novel QTLs Affecting Hypertensive Kidney Disease. PLoS ONE, 2013, 8, e56096.	2.5	2
72	Multiple Susceptibility Loci for Radiation-Induced Mammary Tumorigenesis in F2[Dahl S x R]-Intercross Rats. PLoS ONE, 2013, 8, e72143.	2.5	2

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73	Beyond genetic markers: hypertension genes. , 1996, , 162-182.		2
74	A1079T transversion in the gene for the Î±1 isophorm of the Na+/K+ ATPase in the Dahl S rat. Journal of Hypertension, 2006, 24, 1210-1213.	0.5	1
75	Autophagy: Insights from DEspR-deficiency and haploinsufficiency. Autophagy, 2009, 5, 259-262.	9.1	1
76	Elevated prevalence of arterial hypertension amongst Belgian taxi drivers during the World Hypertension Day campaign 2006. Journal of Hypertension, 2006, 24, 2313-2316.	0.5	0
77	Humanized anti-DEspR monoclonal antibody to improve overall survival in xenograft pancreatic peritoneal carcinomatosis nude rat model.. Journal of Clinical Oncology, 2021, 39, e16262-e16262.	1.6	0
78	Dual endothelin-1/VEGFsp receptor (DEspR): Common target on tumor vascular endothelial cells (TVECs), tumor cells (TCs), and cancer stem cells (CSCs) in glioblastoma and pancreatic cancer.. Journal of Clinical Oncology, 2012, 30, e13574-e13574.	1.6	0
79	Characterization and Mapping of Viral and Putative Viral-Cellular Transcripts in a Hepatitis B Virus Infected Human Hepatoma Cell Line and in Chimpanzee Carrier Liver. , 1984, , 195-214.		0