

Roderick N Carter

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

645
citations

623574

14
h-index

713332

21
g-index

22
all docs

22
docs citations

22
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Cysteine and hydrogen sulphide in the regulation of metabolism: insights from genetics and pharmacology. <i>Journal of Pathology</i> , 2016, 238, 321-332.	2.1	76
2	Bioenergetic status modulates motor neuron vulnerability and pathogenesis in a zebrafish model of spinal muscular atrophy. <i>PLoS Genetics</i> , 2017, 13, e1006744.	1.5	69
3	Fumarate hydratase is a critical metabolic regulator of hematopoietic stem cell functions. <i>Journal of Experimental Medicine</i> , 2017, 214, 719-735.	4.2	62
4	Osteocalcin Regulates Arterial Calcification Via Altered Wnt Signaling and Glucose Metabolism. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 357-367.	3.1	59
5	Genetic identification of thiosulfate sulfurtransferase as an adipocyte-expressed antidiabetic target in mice selected for leanness. <i>Nature Medicine</i> , 2016, 22, 771-779.	15.2	57
6	The long non-coding RNA Cerx1 is a post transcriptional regulator of mitochondrial complex I catalytic activity. <i>ELife</i> , 2019, 8, .	2.8	42
7	A Syntenic Cross Species Aneuploidy Genetic Screen Links RCAN1 Expression to β -Cell Mitochondrial Dysfunction in Type 2 Diabetes. <i>PLoS Genetics</i> , 2016, 12, e1006033.	1.5	39
8	Human umbilical cord perivascular cells improve human pancreatic islet transplant function by increasing vascularization. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	34
9	Complement Factor B Is a Determinant of Both Metabolic and Cardiovascular Features of Metabolic Syndrome. <i>Hypertension</i> , 2017, 70, 624-633.	1.3	26
10	Hydrogen sulfide in ageing, longevity and disease. <i>Biochemical Journal</i> , 2021, 478, 3485-3504.	1.7	24
11	Genomic loci mispositioning in Tmem120a knockout mice yields latent lipodystrophy. <i>Nature Communications</i> , 2022, 13, 321.	5.8	24
12	Mouse <i>Idh3a</i> mutations cause retinal degeneration and reduced mitochondrial function. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	1.2	23
13	Sideroflexin 3 is a β -synuclein-dependent mitochondrial protein that regulates synaptic morphology. <i>Journal of Cell Science</i> , 2017, 130, 325-331.	1.2	19
14	A human pluripotent stem cell model for the analysis of metabolic dysfunction in hepatic steatosis. <i>IScience</i> , 2021, 24, 101931.	1.9	19
15	Glucocorticoids regulate mitochondrial fatty acid oxidation in fetal cardiomyocytes. <i>Journal of Physiology</i> , 2021, 599, 4901-4924.	1.3	15
16	<i>Camk2n1</i> Is a Negative Regulator of Blood Pressure, Left Ventricular Mass, Insulin Sensitivity, and Promotes Adiposity. <i>Hypertension</i> , 2019, 74, 687-696.	1.3	13
17	Multiparametric High-Content Cell Painting Identifies Copper Ionophores as Selective Modulators of Esophageal Cancer Phenotypes. <i>ACS Chemical Biology</i> , 2022, 17, 1876-1889.	1.6	11
18	Strain-specificity in the hydrogen sulphide signalling network following dietary restriction in recombinant inbred mice. <i>GeroScience</i> , 2020, 42, 801-812.	2.1	10

#	ARTICLE	IF	CITATIONS
19	JMJD6 promotes self-renewal and regenerative capacity of hematopoietic stem cells. Blood Advances, 2021, 5, 889-899.	2.5	9
20	The hepatic compensatory response to elevated systemic sulfide promotes diabetes. Cell Reports, 2021, 37, 109958.	2.9	9
21	Tst gene mediates protection against palmitate-induced inflammation in 3T3-L1 adipocytes. Biochemical and Biophysical Research Communications, 2020, 527, 1008-1013.	1.0	4