

Siva Sankara Vara Prasad Sakamuri

List of Publications by Citations

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30
papers

589
citations

15
h-index

24
g-index

31
ext. papers

716
ext. citations

5.2
avg, IF

3.55
L-index

#	Paper	IF	Citations
30	Angiotensin II stimulates cardiac fibroblast migration via the differential regulation of matrixins and RECK. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 65, 9-18	5.8	79
29	Angiotensin II enhances AT1-Nox1 binding and stimulates arterial smooth muscle cell migration and proliferation through AT1, Nox1, and interleukin-18. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 303, H282-96	5.2	75
28	Extracellular matrix communication and turnover in cardiac physiology and pathology. <i>Comprehensive Physiology</i> , 2015 , 5, 687-719	7.7	74
27	Divergent roles of matrix metalloproteinase 2 in pathogenesis of thoracic aortic aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 888-98	9.4	63
26	A novel high-throughput assay for respiration in isolated brain microvessels reveals impaired mitochondrial function in the aged mice. <i>GeroScience</i> , 2018 , 40, 365-375	8.9	35
25	Docosahexaenoic acid reverses angiotensin II-induced RECK suppression and cardiac fibroblast migration. <i>Cellular Signalling</i> , 2014 , 26, 933-41	4.9	32
24	Acetylsalicylic acid inhibits IL-18-induced cardiac fibroblast migration through the induction of RECK. <i>Journal of Cellular Physiology</i> , 2014 , 229, 845-55	7	28
23	TRAF3IP2 mediates interleukin-18-induced cardiac fibroblast migration and differentiation. <i>Cellular Signalling</i> , 2013 , 25, 2176-84	4.9	26
22	Differential impact of mechanical unloading on structural and nonstructural components of the extracellular matrix in advanced human heart failure. <i>Translational Research</i> , 2016 , 172, 30-44	11	25
21	Carbenoxolone treatment ameliorated metabolic syndrome in WNIN/Ob obese rats, but induced severe fat loss and glucose intolerance in lean rats. <i>PLoS ONE</i> , 2012 , 7, e50216	3.7	24
20	Distinct fate, dynamics and niches of renal macrophages of bone marrow or embryonic origins. <i>Nature Communications</i> , 2020 , 11, 2280	17.4	20
19	Measurement of respiratory function in isolated cardiac mitochondria using Seahorse XFe24 Analyzer: applications for aging research. <i>GeroScience</i> , 2018 , 40, 347-356	8.9	20
18	TRAF3IP2 mediates aldosterone/salt-induced cardiac hypertrophy and fibrosis. <i>Molecular and Cellular Endocrinology</i> , 2016 , 429, 84-92	4.4	19
17	Cardiac-restricted Overexpression of TRAF3 Interacting Protein 2 (TRAF3IP2) Results in Spontaneous Development of Myocardial Hypertrophy, Fibrosis, and Dysfunction. <i>Journal of Biological Chemistry</i> , 2016 , 291, 19425-36	5.4	15
16	Absence of Tissue Inhibitor of Metalloproteinase-4 (TIMP4) ameliorates high fat diet-induced obesity in mice due to defective lipid absorption. <i>Scientific Reports</i> , 2017 , 7, 6210	4.9	15
15	TRAF3IP2 mediates atherosclerotic plaque development and vulnerability in ApoE(-/-) mice. <i>Atherosclerosis</i> , 2016 , 252, 153-160	3.1	11
14	Transient Decrease in Circulatory Testosterone and Homocysteine Precedes the Development of Metabolic Syndrome Features in Fructose-Fed Sprague Dawley Rats. <i>Journal of Nutrition and Metabolism</i> , 2016 , 2016, 7510840	2.7	10

13	Measuring Respiration in Isolated Murine Brain Mitochondria: Implications for Mechanistic Stroke Studies. <i>NeuroMolecular Medicine</i> , 2019 , 21, 493-504	4.6	6
12	Nitric oxide synthase inhibitors negatively regulate respiration in isolated rodent cardiac and brain mitochondria. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H295-H300	5.2	6
11	Diets with low n-6:n-3 PUFA ratio protects rats from fructose-induced dyslipidemia and associated hepatic changes: Comparison between 18:3 n-3 and long-chain n-3 PUFA. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020 , 155, 102082	2.8	3
10	Transcriptome profiling of visceral adipose tissue in a novel obese rat model, WNIN/Ob & its comparison with other animal models. <i>Indian Journal of Medical Research</i> , 2016 , 144, 409-423	2.9	1
9	Peroxynitrite decomposition catalyst enhances respiratory function in isolated brain mitochondria. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H630-H641	5.2	1
8	Glycolytic and Oxidative Phosphorylation Defects Precede the Development of Senescence in Primary Human Brain Microvascular Endothelial Cells.. <i>GeroScience</i> , 2022 , 1	8.9	1
7	Effect of peroxynitrite scavenger on brain microvascular nitrotyrosination and S-nitrosylation. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
6	Hyperglycemia impairs mitochondrial respiration in human brain microvascular endothelial cells. <i>FASEB Journal</i> , 2019 , 33, 529.1	0.9	
5	Peroxynitrite induces depolarization and impairments of respiration in isolated murine brain mitochondria. <i>FASEB Journal</i> , 2019 , 33, 850.10	0.9	
4	Arginase exhibits negative regulation of respiration in isolated murine cardiac mitochondria independent of mitochondrial nitric oxide synthase. <i>FASEB Journal</i> , 2019 , 33, 531.20	0.9	
3	Effect of NOS inhibition on mitochondrial function in Brain Microvascular endothelial cells under normoxia and oxygen-glucose deprivation-reoxygenation (OGD-R). <i>FASEB Journal</i> , 2019 , 33, 524.6	0.9	
2	Acute Hypoglycemia Induces Mitochondrial Dysfunction in the Isolated Brain Microvessels: Possible Role of Endothelial Nitric Oxide Synthase. <i>FASEB Journal</i> , 2019 , 33, 830.11	0.9	
1	Energy Deficit Phenotype of Cerebral Microvascular Network in the Aged Brains. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	