

Arun Samidurai

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

848
citations

623188

14
h-index

610482

24
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34
all docs

34
docs citations

34
times ranked

1582
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphodiesterase 1 Upregulation in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2007, 115, 2331-2339.	1.6	139
2	Antiremodeling Effects of Iloprost and the Dual-Selective Phosphodiesterase 3/4 Inhibitor Tolafentrine in Chronic Experimental Pulmonary Hypertension. <i>Circulation Research</i> , 2004, 94, 1101-1108.	2.0	97
3	Induction of MicroRNA-21 With Exogenous Hydrogen Sulfide Attenuates Myocardial Ischemic and Inflammatory Injury in Mice. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 311-320.	5.1	97
4	Mitochondrial Complex I Inhibition by Metformin Limits Reperfusion Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 369, 282-290.	1.3	64
5	Cinaciguat, a novel activator of soluble guanylate cyclase, protects against ischemia/reperfusion injury: role of hydrogen sulfide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1347-H1354.	1.5	62
6	Cardiovascular Complications Associated with COVID-19 and Potential Therapeutic Strategies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6790.	1.8	52
7	Deciphering Non-coding RNAs in Cardiovascular Health and Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 73.	1.1	44
8	Reperfusion Therapy with Rapamycin Attenuates Myocardial Infarction through Activation of AKT and ERK. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-16.	1.9	41
9	Endoplasmic reticulum stress-mediated mitochondrial dysfunction in aged hearts. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165899.	1.8	41
10	Characterization of a murine model of monocrotaline pyrrole-induced acute lung injury. <i>BMC Pulmonary Medicine</i> , 2008, 8, 25.	0.8	36
11	Emerging Role of mTOR Signaling-Related miRNAs in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-23.	1.9	32
12	Hydrogen sulfide mediates the cardioprotective effects of gene therapy with PKG-1 β . <i>Basic Research in Cardiology</i> , 2015, 110, 42.	2.5	22
13	STAT3-miR-17/20 signalling axis plays a critical role in attenuating myocardial infarction following rapamycin treatment in diabetic mice. <i>Cardiovascular Research</i> , 2020, 116, 2103-2115.	1.8	21
14	Chronic treatment with novel nanoformulated micelles of rapamycin, Rapatar, protects diabetic heart against ischaemia/reperfusion injury. <i>British Journal of Pharmacology</i> , 2017, 174, 4771-4784.	2.7	18
15	Role of phosphodiesterase 1 in the pathophysiology of diseases and potential therapeutic opportunities. , 2021, 226, 107858.		18
16	Remote Ischemic Pre-Conditioning Attenuates Adverse Cardiac Remodeling and Mortality Following Doxorubicin Administration in Mice. <i>JACC: CardioOncology</i> , 2019, 1, 221-234.	1.7	15
17	Reversal of Endothelial Extracellular Vesicle-Induced Smooth Muscle Phenotype Transition by Hypercholesterolemia Stimulation: Role of NLRP3 Inflammasome Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 597423.	1.8	14
18	Nuclear Localization of Vascular Endothelial Growth Factor-D and Regulation of c-Myc-Dependent Transcripts in Human Lung Fibroblasts. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 34-42.	1.4	12

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19	Differential Regulation of mTOR Complexes with miR-302a Attenuates Myocardial Reperfusion Injury in Diabetes. IScience, 2020, 23, 101863.	1.9	10
20	Preclinical model of type 1 diabetes and myocardial ischemia/reperfusion injury in conscious rabbitsâ€™ demonstration of cardioprotection with rapamycin. STAR Protocols, 2021, 2, 100772.	0.5	7
21	PDE5 inhibitor sildenafil attenuates cardiac microRNA 214 upregulation and pro-apoptotic signaling after chronic alcohol ingestion in mice. Molecular and Cellular Biochemistry, 2020, 471, 189-201.	1.4	2
22	Right ventricular outflow tract assessment: Identification of right ventricle dysfunction in heart failure. Indian Heart Journal, 2016, 68, S5-S7.	0.2	1
23	PDE1 Inhibition Attenuates Doxorubicinâ€™Induced Toxicity in Primary Mouse Cardiomyocytes. FASEB Journal, 2019, 33, 817.12.	0.2	1
24	Postconditioning Effect of PDE5 inhibitor, Sildenafil in Normal and Diabetic Rabbits following Myocardial Ischemia/Reperfusion injury.. FASEB Journal, 2018, 32, 580.16.	0.2	1
25	Embryonic Stem Cells Derived Exosomes Enhances Chemosensitivity of Doxorubicin in Breast Cancer Cells. FASEB Journal, 2019, 33, 646.7.	0.2	1
26	mTOR inhibition protects diabetic heart against ischemia/reperfusion injury through STAT3 activation (1078.5). FASEB Journal, 2014, 28, .	0.2	0
27	Preconditioning of the Heart Following Transmyocardial Revascularization. , 2015, , 305-310.		0
28	PDE5 Inhibition with Sildenafil Blocks Induction of Carboxylesteras3 and Reduces Cell Necrosis and Autophagy in Acute Alcoholâ€™Induced Injury in Heart. FASEB Journal, 2015, 29, 896.14.	0.2	0
29	Acute Alcohol Treatment and Cardiac Dysfunction in Obese Diabetic Mice: Role of PDE5 and MicroRNAâ€™21. FASEB Journal, 2015, 29, 1020.9.	0.2	0
30	Rapamycin Alters MicroRNA Signature Profile in Diabetic Rabbit following Myocardial Ischemia Reperfusion Injury: A Preclinical Approach for Cardioprotection.. FASEB Journal, 2018, 32, 717.24.	0.2	0
31	Abstract 486: Deficiency of Myocardial miR-17-92 Cluster Exacerbates Ischemic Injury in Diabetic Mice. Circulation Research, 2019, 125, .	2.0	0
32	Abstract 17055: Novel Dual mTOR Inhibitor/AMPK Activator Mitigates Doxorubicin Cardiotoxicity and Potentiates Its Chemotherapeutic Efficacy Against Triple Negative Breast Cancer. Circulation, 2020, 142, .	1.6	0
33	Abstract 17414: Combination Therapy of Sildenafil and Rapamycin Alleviates Doxorubicin Induced Cardiotoxicity With Improvement of Skeletal Muscle Function. Circulation, 2020, 142, .	1.6	0
34	Antiâ€™Tumor Effect of Embryonic Stem Cell Derived Exosomes in Triple Negative Breast Cancer: Potential Role of TCF7â€™Eâ€™Cadherin and VEGF. FASEB Journal, 2022, 36, .	0.2	0