

# Ana Carolina Mieko Omoto

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

285  
citations

1162367

8  
h-index

996533

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Obesity, kidney dysfunction, and inflammation: interactions in hypertension. <i>Cardiovascular Research</i> , 2021, 117, 1859-1876.	1.8	78
2	Direct Cardiac Actions of the Sodium Glucose Co-transporter 2 Inhibitor Empagliflozin Improve Myocardial Oxidative Phosphorylation and Attenuate Pressure-Overload Heart Failure. <i>Journal of the American Heart Association</i> , 2021, 10, e018298.	1.6	54
3	Two-dimensional dispersion entropy: An information-theoretic method for irregularity analysis of images. <i>Signal Processing: Image Communication</i> , 2019, 75, 178-187.	1.8	35
4	Bi-dimensional multiscale entropy: Relation with discrete Fourier transform and biomedical application. <i>Computers in Biology and Medicine</i> , 2018, 100, 36-40.	3.9	18
5	Chronic ethanol consumption increases reactive oxygen species generation and the synthesis of pro-inflammatory proteins in the heart through TNFR1-dependent mechanisms. <i>Cytokine</i> , 2019, 121, 154734.	1.4	17
6	Dimethyl fumarate preserves left ventricular infarct integrity following myocardial infarction via modulation of cardiac macrophage and fibroblast oxidative metabolism. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 158, 38-48.	0.9	14
7	Direct Cardiac Actions of Sodium-Glucose Cotransporter 2 Inhibition Improve Mitochondrial Function and Attenuate Oxidative Stress in Pressure Overload-Induced Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	13
8	Restoration of Cardiac Function After Myocardial Infarction by Long-Term Activation of the CNS Leptin-Melanocortin System. <i>JACC Basic To Translational Science</i> , 2021, 6, 55-70.	1.9	11
9	MMP inhibition attenuates hypertensive eccentric cardiac hypertrophy and dysfunction by preserving troponin I and dystrophin. <i>Biochemical Pharmacology</i> , 2021, 193, 114744.	2.0	11
10	Verapamil decreases calpain-1 and matrix metalloproteinase-2 activities and improves hypertension-induced hypertrophic cardiac remodeling in rats. <i>Life Sciences</i> , 2020, 244, 117153.	2.0	10
11	Sex differences in the impact of parental obesity on offspring cardiac SIRT3 expression, mitochondrial efficiency, and diastolic function early in life. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H485-H495.	1.5	8
12	Antidepressant treatment decreases daily salt intake and prevents heart dysfunction following subchronic aortic regurgitation in rats. <i>Physiology and Behavior</i> , 2015, 144, 124-128.	1.0	5
13	Osteoglycin post-transcriptional regulation by miR-155 induces cellular architecture changes in H9c2 cardiomyoblasts. <i>Gene</i> , 2018, 676, 9-15.	1.0	5
14	Parental obesity alters offspring blood pressure regulation and cardiovascular responses to stress: role of P2X7R and sex differences. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, 322, R421-R433.	0.9	3
15	Lack of scarring is not always a sign of cardiac health: Functional and molecular characterization of the rat heart's TMs following chronic reperfusion. <i>PLoS ONE</i> , 2018, 13, e0209190.	1.1	1
16	Transient receptor potential cation channel 6 deficiency leads to increased body weight and metabolic dysfunction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, 323, R81-R97.	0.9	1
17	Chronic Central Nervous System Leptin Infusion Improves Cardiac Function and Metabolism after Ischemia/Reperfusion Injury. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
18	Paroxetine Alters Cardiac Stress Markers in Rats with Aortic Regurgitation. <i>European Journal of Experimental Biology</i> , 2018, 08, .	0.3	0

#	ARTICLE	IF	CITATIONS
19	Automatic Processing of Histological Imaging to Aid Diagnosis of Cardiac Remodeling. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 375-382.	0.5	0
20	High-Frequency 4D Ultrasound Evaluation of Temporal Changes in Endocardial Surface Strain after Myocardial Infarction. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
21	Parental Obesity Alters Offspring Blood Pressure Regulation and Cardiovascular Responses to Stress: Role of P2X7R and Sex Differences. <i>FASEB Journal</i> , 2022, 36, .	0.2	0