Georgios Karagigas

List of Publications by Citations

51 papers	1,619 citations	21 h-index	39 g-index
56 ext. papers	2,139 ext. citations	7 avg, IF	5.3 L-index

#	Paper	IF	Citations
51	Mechanistic Pathways of Sex Differences in Cardiovascular Disease. *Physiological Reviews*, **2017**, 97, 1-37	47.9	290
50	Female sex and estrogen receptor-beta attenuate cardiac remodeling and apoptosis in pressure overload. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R1597-606	3.2	170
49	Sex-dependent regulation of fibrosis and inflammation in human left ventricular remodelling under pressure overload. *European Journal of Heart Failure*, **2014**, 16, 1160-7	12.3	92
48	Sex in basic research: concepts in the cardiovascular field. *Cardiovascular Research*, **2017**, 113, 711-724	9.9	77
47	Sex- and estrogen-dependent regulation of a miRNA network in the healthy and hypertrophied heart. *International Journal of Cardiology*, **2013**, 169, 331-8	3.2	75
46	Transcriptome characterization of estrogen-treated human myocardium identifies myosin regulatory light chain interacting protein as a sex-specific element influencing contractile function. *Journal of the American College of Cardiology*, **2012**, 59, 410-7	15.1	72
45	Exome-wide association study reveals novel susceptibility genes to sporadic dilated cardiomyopathy. *PLoS ONE*, **2017**, 12, e0172995	3.7	66
44	Maladaptive remodeling is associated with impaired survival in women but not in men after aortic valve replacement. *JACC: Cardiovascular Imaging*, **2014**, 7, 1073-80	8.4	62
43	Sex differences in exercise-induced physiological myocardial hypertrophy are modulated by oestrogen receptor beta. *Cardiovascular Research*, **2014**, 102, 418-28	9.9	51
42	Effects of aging on cardiac extracellular matrix in men and women. *Proteomics - Clinical Applications*, **2016**, 10, 84-91	3.1	49
41	Role of the estrogen/estrogen-receptor-beta axis in the genomic response to pressure overload-induced hypertrophy. *Physiological Genomics*, **2011**, 43, 438-46	3.6	47
40	Menopause-Related Estrogen Decrease and the Pathogenesis of HFpEF: JACC Review Topic of the Week. *Journal of the American College of Cardiology*, **2020**, 75, 1074-1082	15.1	38
39	Comparative proteomic analysis reveals sex and estrogen receptor β effects in the pressure overloaded heart. *Journal of Proteome Research*, **2014**, 13, 5829-36	5.6	36
38	17β-Estradiol-induced interaction of ERα with NPPA regulates gene expression in cardiomyocytes. *Cardiovascular Research*, **2012**, 96, 411-21	9.9	32
37	Sex-specific modification of progesterone receptor expression by 17β-estradiol in human cardiac tissues. *Biology of Sex Differences*, **2010**, 1, 2	9.3	32
36	Estrogen modulates cardiac growth through an estrogen receptor α-dependent mechanism in healthy ovariectomized mice. *Molecular and Cellular Endocrinology*, **2014**, 382, 909-14	4.4	31
35	Estradiol modulates myosin regulatory light chain phosphorylation and contractility in skeletal muscle of female mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 310, E724-33	6	29

34	Folic acid reduces doxorubicin-induced cardiomyopathy by modulating endothelial nitric oxide synthase. *Journal of Cellular and Molecular Medicine*, **2017**, 21, 3277-3287	5.6	26
33	Estrogen-related mechanisms in sex differences of hypertension and target organ damage. *Biology of Sex Differences*, **2020**, 11, 31	9.3	26
32	Reduction of apoptosis and preservation of mitochondrial integrity under ischemia/reperfusion injury is mediated by estrogen receptor *Biology of Sex Differences*, **2016**, 7, 53	9.3	26
31	Genetic background defines the regulation of postnatal cardiac growth by 17 estradiol through a catenin mechanism. *Endocrinology*, **2014**, 155, 2667-76	4.8	23
30	En route to precision medicine through the integration of biological sex into pharmacogenomics. *Clinical Science*, **2017**, 131, 329-342	6.5	21
29	Sex-specific regulation of cardiac microRNAs targeting mitochondrial proteins in pressure overload. *Biology of Sex Differences*, **2019**, 10, 8	9.3	19
28	Ageing, sex, and cardioprotection. *British Journal of Pharmacology*, **2020**, 177, 5270-5286	8.6	18
27	Intralipid protects the heart in late pregnancy against ischemia/reperfusion injury via Caveolin2/STAT3/GSK-3 pathway. *Journal of Molecular and Cellular Cardiology*, **2017**, 102, 108-116	5.8	17
26	17 Estradiol-induced interaction of estrogen receptor and human atrial essential myosin light chain modulates cardiac contractile function. *Basic Research in Cardiology*, **2017**, 112, 1	11.8	16
25	Genome-wide association analysis in dilated cardiomyopathy reveals two new players in systolic heart failure on chromosomes 3p25.1 and 22q11.23. *European Heart Journal*, **2021**, 42, 2000-2011	9.5	14
24	KLF5 Is Induced by FOXO1 and Causes Oxidative Stress and Diabetic Cardiomyopathy. *Circulation Research*, **2021**, 128, 335-357	15.7	14
23	Z-Inspection : A Process to Assess Trustworthy AI. *IEEE Transactions on Technology and Society*, **2021**, 2, 83-97	5.2	13
22	Dose-dependent effects of a genistein-enriched diet in the heart of ovariectomized mice. *Genes and Nutrition*, **2013**, 8, 383-90	4.3	12
21	Long-term treatment of ovariectomized mice with estradiol or phytoestrogens as a new model to study the role of estrogenic substances in the heart. *Planta Medica*, **2012**, 78, 6-11	3.1	12
20	Sex-Biased Vulnerability of the Heart to COVID-19. *Mayo Clinic Proceedings*, **2020**, 95, 2332-2335	6.4	9
19	Sex-Specific Human Cardiomyocyte Gene Regulation in Left Ventricular Pressure Overload. *Mayo Clinic Proceedings*, **2020**, 95, 688-697	6.4	9
18	The DrugPattern tool for drug set enrichment analysis and its prediction for beneficial effects of oxLDL on type 2 diabetes. *Journal of Genetics and Genomics*, **2018**, 45, 389-397	4	9
17	Why the study of the effects of biological sex is important. Commentary. *Annali Dell Istituto Superiore Di Sanita*, **2016**, 52, 149-50	1.6	9

16	H3K27ac acetylome signatures reveal the epigenomic reorganization in remodeled non-failing human hearts. *Clinical Epigenetics*, **2020**, 12, 106	7.7	9
15	The Zebrafish () Is a Relevant Model for Studying Sex-Specific Effects of 17Estradiol in the Adult Heart. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	9
14	Large-scale in silico identification of drugs exerting sex-specific effects in the heart. *Journal of Translational Medicine*, **2018**, 16, 236	8.5	9
13	An integrative systems approach identifies novel candidates in Marfan syndrome-related pathophysiology. *Journal of Cellular and Molecular Medicine*, **2019**, 23, 2526-2535	5.6	8
12	Role of Biological Sex in the Cardiovascular-Gut Microbiome Axis.. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 759735	5.4	6
11	Assessment of Bones Deficient in Fibrillin-1 Microfibrils Reveals Pronounced Sex Differences. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6
10	On Assessing Trustworthy AI in Healthcare. Machine Learning as a Supportive Tool to Recognize Cardiac Arrest in Emergency Calls. *Frontiers in Human Dynamics*, **2021**, 3,	0.7	3
9	Oestrogenic Regulation of Mitochondrial Dynamics.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	2
8	Sex-Specific Adverse Effects of Chronic Dichloroacetate Administration in Mice. *FASEB Journal*, **2019**, 33, 758.12	0.9	1
7	Sex Differences in Remodeling of the Failing Heart. *FASEB Journal*, **2018**, 32, 235.3	0.9	1
6	Estrogen induces cardiomyocyte contractility via an MLCK/MRLC-dependent mechanism. *FASEB Journal*, **2012**, 26, 1054.8	0.9	1
5	Estrogen and Cardiovascular Health.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 886592	5.4	1
4	In Reply - COVID-19, the Female Immune Advantage, and Cardiovascular Impact. *Mayo Clinic Proceedings*, **2021**, 96, 821-822	6.4	0
3	Role of biological sex in cardiovascular disease: the case of hypertension and related target organ damage. *Biochemist*, **2017**, 39, 18-21	0.5	
2	Sex-specific regulation of contractile function by 17estradiol in mouse cardiomyocytes. *FASEB Journal*, **2011**, 25, 1060.6	0.9	
1	Role of estrogen receptor in estradiol-induced cardiac growth. *FASEB Journal*, **2013**, 27, 1189.1	0.9	