Govindasamy Ilangovan

List of Publications by Year
in descending order

19	455	840776 11	996975 15
papers	citations	h-index	g-index

19	19	19	675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heat shock protects cardiac cells from doxorubicin-induced toxicity by activating p38 MAPK and phosphorylation of small heat shock protein 27. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2680-H2691.	3.2	76
2	Role of heat shock factor-1 activation in the doxorubicin-induced heart failure in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1832-H1841.	3.2	55
3	HSP27 regulates p53 transcriptional activity in doxorubicin-treated fibroblasts and cardiac H9c2 cells: p21 upregulation and G₂/M phase cell cycle arrest. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1736-H1744.	3.2	52
4	EPR oximetry in the beating heart: Myocardial oxygen consumption rate as an index of postischemic recovery. Magnetic Resonance in Medicine, 2004, 51, 835-842.	3.0	42
5	In vivo measurement and imaging of tumor oxygenation using coembedded paramagnetic particulates. Magnetic Resonance in Medicine, 2004, 52, 650-657.	3.0	38
6	Heat shock factor-1 knockout induces multidrug resistance gene, MDR1b, and enhances P-glycoprotein (ABCB1)-based drug extrusion in the heart. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9023-9028.	7.1	37
7	Heat shock-induced attenuation of hydroxyl radical generation and mitochondrial aconitase activity in cardiac H9c2 cells. American Journal of Physiology - Cell Physiology, 2006, 290, C313-C324.	4.6	33
8	Heat shock regulates the respiration of cardiac H9c2 cells through upregulation of nitric oxide synthase. American Journal of Physiology - Cell Physiology, 2004, 287, C1472-C1481.	4.6	31
9	Regulation of Nitric Oxide Metabolism and Vascular Tone by Cytoglobin. Antioxidants and Redox Signaling, 2020, 32, 1172-1187.	5.4	28
10	Cytoglobin has potent superoxide dismutase function. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
11	Heat Shock Protein 25-Enriched Plasma Transfusion Preconditions the Heart against Doxorubicin-Induced Dilated Cardiomyopathy in Mice. Journal of Pharmacology and Experimental Therapeutics, 2012, 341, 829-839.	2.5	18
12	Heat shock factor-1 knockout enhances cholesterol 7Î±-hydroxylase (CYP7A1) and multidrug transporter (MDR1) gene expressions to attenuate atherosclerosis. Cardiovascular Research, 2016, 111, 74-83.	3.8	12
13	Defining the reducing system of the NO dioxygenase cytoglobin in vascular smooth muscle cells and its critical role in regulating cellular NO decay. Journal of Biological Chemistry, 2021, 296, 100196.	3.4	9
14	Serine mutations in overexpressed Hsp27 abrogate the protection against doxorubicin-induced p53-dependent cardiac apoptosis in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H963-H975.	3.2	4
15	Dioxygen Binding and Sensing Proteins. Antioxidants and Redox Signaling, 2020, 32, 1151-1154.	5.4	1
16	Spontaneous Reoxygenation of Myocardial Infarct Area with Permanent Coronary Obstruction. FASEB Journal, 2008, 22, 750.17.	0.5	0
17	Heat Shock Factorâ€1 Knock Out Protects From Doxorubicinâ€Induced Heart Failure. FASEB Journal, 2008, 22, 1165.3.	0.5	0
18	Plasma level Hsp27 as a Potential Biomarker of Doxorubicinâ€Induced Heart Failure. FASEB Journal, 2010, 24, 1047.4.	0.5	0

#	Article	IF	Citations
19	Abstract P155: HSF-1 Deletion Induces MDR1 Gene in the Heart and Protects from Doxorubicin-Induced Cardiotoxicity. Circulation Research, 2011, 109, .	4.5	0