

Axel GÃ¶decke

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,081
citations

279798

23
h-index

302126

39
g-index

42
all docs

42
docs citations

42
times ranked

3506
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma nitrite reflects constitutive nitric oxide synthase activity in mammals. <i>Free Radical Biology and Medicine</i> , 2003, 35, 790-796.	2.9	519
2	Targeted Disruption of <i>cd73</i> /Ecto-5â€²-Nucleotidase Alters Thromboregulation and Augments Vascular Inflammatory Response. <i>Circulation Research</i> , 2004, 95, 814-821.	4.5	220
3	Role of myoglobin in the antioxidant defense of the heart. <i>FASEB Journal</i> , 2004, 18, 1156-1158.	0.5	140
4	Cardiac-Specific Overexpression of Inducible Nitric Oxide Synthase Does Not Result in Severe Cardiac Dysfunction. <i>Circulation Research</i> , 2002, 90, 93-99.	4.5	134
5	Inotropic response to Î²â€²adrenergic receptor stimulation and antiâ€²adrenergic effect of ACh in endothelial NO synthaseâ€²deficient mouse hearts. <i>Journal of Physiology</i> , 2001, 532, 195-204.	2.9	112
6	Myoglobin Protects the Heart from Inducible Nitric-oxide Synthase (iNOS)-mediated Nitrosative Stress. <i>Journal of Biological Chemistry</i> , 2003, 278, 21761-21766.	3.4	76
7	Acute Inhibition of Myoglobin Impairs Contractility and Energy State of iNOS-Overexpressing Hearts. <i>Circulation Research</i> , 2003, 92, 1352-1358.	4.5	59
8	Lack of Myoglobin Causes a Switch in Cardiac Substrate Selection. <i>Circulation Research</i> , 2005, 96, e68-75.	4.5	57
9	miR-223â€²IGF-IR signalling in hypoxia- and load-induced right-ventricular failure: a novel therapeutic approach. <i>Cardiovascular Research</i> , 2016, 111, 184-193.	3.8	54
10	Local Atrial Natriuretic Peptide Signaling Prevents Hypertensive Cardiac Hypertrophy in Endothelial Nitric-oxide Synthase-deficient Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 21594-21599.	3.4	49
11	Cardiac Hyaluronan Synthesis Is Critically Involved in the Cardiac Macrophage Response and Promotes Healing After Ischemia Reperfusion Injury. <i>Circulation Research</i> , 2019, 124, 1433-1447.	4.5	47
12	Oxygen supply and nitric oxide scavenging by myoglobin contribute to exercise endurance and cardiac function. <i>FASEB Journal</i> , 2005, 19, 1015-1017.	0.5	46
13	In vivo 2D mapping of impaired murine cardiac energetics in NO-induced heart failure. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 50-58.	3.0	39
14	The Autophagy-Initiating Kinase ULK1 Controls RIPK1-Mediated Cell Death. <i>Cell Reports</i> , 2020, 31, 107547.	6.4	39
15	Adaptive mechanisms of the cardiovascular system in transgenic mice - lessons from eNOS and myoglobin knockout mice. <i>Basic Research in Cardiology</i> , 2000, 95, 492-498.	5.9	38
16	Reactive Oxygen Species/Nitric Oxide Mediated Inter-Organ Communication in Skeletal Muscle Wasting Diseases. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 700-717.	5.4	38
17	Endothelial dysfunction of coronary resistance vessels in apoEâ€²/â€² mice involves NO but not prostacyclin-dependent mechanisms. <i>Cardiovascular Research</i> , 2002, 53, 253-262.	3.8	37
18	Endothelial NOS (NOS3) impairs myocardial function in developing sepsis. <i>Basic Research in Cardiology</i> , 2013, 108, 330.	5.9	35

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19	Nitrosative Stress Leads to Protein Glutathiolation, Increased S-Nitrosation, and Up-regulation of Peroxiredoxins in the Heart. <i>Journal of Biological Chemistry</i> , 2008, 283, 17440-17449.	3.4	31
20	Insulin Resistance and Vulnerability to Cardiac Ischemia. <i>Diabetes</i> , 2018, 67, 2695-2702.	0.6	31
21	IGF1 Treatment Improves Cardiac Remodeling after Infarction by Targeting Myeloid Cells. <i>Molecular Therapy</i> , 2019, 27, 46-58.	8.2	31
22	Myoglobin-deficient mice activate a distinct cardiac gene expression program in response to isoproterenol-induced hypertrophy. <i>Physiological Genomics</i> , 2010, 41, 137-145.	2.3	30
23	IGF-IR signaling attenuates the age-related decline of diastolic cardiac function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E213-E222.	3.5	29
24	Adaptation of the myoglobin knockout mouse to hypoxic stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 286, R786-R792.	1.8	28
25	Circulating NOS3 Modulates Left Ventricular Remodeling following Reperfused Myocardial Infarction. <i>PLoS ONE</i> , 2015, 10, e0120961.	2.5	24
26	On the impact of NO-globin interactions in the cardiovascular system. <i>Cardiovascular Research</i> , 2006, 69, 309-317.	3.8	21
27	Echocardiographic Analysis of Cardiac Function after Infarction in Mice: Validation of Single-Plane Long-Axis View Measurements and the Bi-Plane Simpson Method. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1544-1555.	1.5	21
28	Myoglobin, expressed in brown adipose tissue of mice, regulates the content and activity of mitochondria and lipid droplets. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 159026.	2.4	14
29	Systematic Analysis Reveals Elongation Factor 2 and β -Enolase as Novel Interaction Partners of AKT2. <i>PLoS ONE</i> , 2013, 8, e66045.	2.5	13
30	Insulin-Like Growth Factor 1 Attenuates the Pro-Inflammatory Phenotype of Neutrophils in Myocardial Infarction. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	11
31	The Janus Faces of NO?. <i>Circulation Research</i> , 2004, 94, e55.	4.5	10
32	Nitric oxide-mediated protein modification in cardiovascular physiology and pathology. <i>Proteomics - Clinical Applications</i> , 2008, 2, 811-822.	1.6	10
33	4-hydroxytamoxifen does not deteriorate cardiac function in cardiomyocyte-specific MerCreMer transgenic mice. <i>Basic Research in Cardiology</i> , 2021, 116, 8.	5.9	9
34	Myoglobin: safeguard of myocardial oxygen supply during systolic compression?. <i>Cardiovascular Research</i> , 2010, 87, 4-5.	3.8	7
35	Regulation of cellular respiration in myoglobin-deficient mouse heart. <i>Molecular and Cellular Biochemistry</i> , 2004, 256, 201-208.	3.1	6
36	Intra- and Interorgan Communication in the Cardiovascular System: A Special View on Redox Regulation. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 613-615.	5.4	6

#	ARTICLE	IF	CITATIONS
37	Î²-Adrenergic signaling and response to pressure overload in transgenic mice with cardiac-specific overexpression of inducible NO synthase. Nitric Oxide - Biology and Chemistry, 2011, 25, 11-21.	2.7	4
38	AAV vector re-targeting: A small step on the way to cardiac-specific gene transfer. Cardiovascular Research, 2006, 70, 6-8.	3.8	3
39	qPCRâ€™25 years old but still a matter of debate. Cardiovascular Research, 2018, 114, 201-202.	3.8	2
40	Master switches in cardiac ischaemia: the Collaborative Research Center (CRC) 1116 of the German Research Foundation. European Heart Journal, 2022, , .	2.2	1