

Ulrike B Hendgen-Cotta

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,801
citations

361413

20
h-index

302126

39
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39
all docs

39
docs citations

39
times ranked

2496
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrite reductase activity of myoglobin regulates respiration and cellular viability in myocardial ischemia-reperfusion injury. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10256-10261.	7.1	376
2	Circulating Nitrite Contributes to Cardioprotection by Remote Ischemic Preconditioning. Circulation Research, 2014, 114, 1601-1610.	4.5	295
3	Nitrite Regulates Hypoxic Vasodilation via Myoglobin-Dependent Nitric Oxide Generation. Circulation, 2012, 126, 325-334.	1.6	173
4	Dietary Nitrate Reverses Vascular Dysfunction in Older Adults With Moderately Increased Cardiovascular Risk. Journal of the American College of Cardiology, 2014, 63, 1584-1585.	2.8	130
5	Dietary Nitrate Supplementation Improves Revascularization in Chronic Ischemia. Circulation, 2012, 126, 1983-1992.	1.6	97
6	Cardioprotection Through <i>S</i> -Nitrosylation of Macrophage Migration Inhibitory Factor. Circulation, 2012, 125, 1880-1889.	1.6	84
7	Dietary inorganic nitrate mobilizes circulating angiogenic cells. Free Radical Biology and Medicine, 2012, 52, 1767-1772.	2.9	67
8	Myoglobin functions in the heart. Free Radical Biology and Medicine, 2014, 73, 252-259.	2.9	52
9	Vasculoprotective Effects of Dietary Cocoa Flavanols in Patients on Hemodialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 108-118.	4.5	46
10	Reductive Gas-Phase Chemiluminescence and Flow Injection Analysis for Measurement of the Nitric Oxide Pool in Biological Matrices. Methods in Enzymology, 2008, 441, 295-315.	1.0	35
11	Age-related vascular gene expression profiling in mice. Mechanisms of Ageing and Development, 2014, 135, 15-23.	4.6	31
12	Assessment of the functional diversity of human myoglobin. Nitric Oxide - Biology and Chemistry, 2012, 26, 211-216.	2.7	29
13	A novel physiological role for cardiac myoglobin in lipid metabolism. Scientific Reports, 2017, 7, 43219.	3.3	29
14	Crosstalk between Nitrite, Myoglobin and Reactive Oxygen Species to Regulate Vasodilation under Hypoxia. PLoS ONE, 2014, 9, e105951.	2.5	28
15	Myoglobin's novel role in nitrite-induced hypoxic vasodilation. Trends in Cardiovascular Medicine, 2014, 24, 69-74.	4.9	26
16	Modulation of Circulating Macrophage Migration Inhibitory Factor in the Elderly. BioMed Research International, 2014, 2014, 1-8.	1.9	25
17	Targeted intracellular accumulation of macrophage migration inhibitory factor in the reperfused heart mediates cardioprotection. Thrombosis and Haemostasis, 2016, 115, 200-212.	3.4	25
18	Inorganic nitrite modulates miRNA signatures in acute myocardial <i>in vivo</i> ischemia/reperfusion. Free Radical Research, 2017, 51, 91-102.	3.3	24

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19	Renal replacement therapy neutralizes elevated MIF levels in septic shock. <i>Journal of Intensive Care</i> , 2016, 4, 39.	2.9	22
20	Angiotensin-(1-7)-induced Mas receptor activation attenuates atherosclerosis through a nitric oxide-dependent mechanism in apolipoproteinE-KO mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 661-667.	2.8	22
21	Platinum-Based Drugs Cause Mitochondrial Dysfunction in Cultured Dorsal Root Ganglion Neurons. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8636.	4.1	21
22	Impact of dietary nitrate on age-related diastolic dysfunction. <i>European Journal of Heart Failure</i> , 2016, 18, 599-610.	7.1	20
23	Nitrite circumvents canonical cGMP signaling to enhance proliferation of myocyte precursor cells. <i>Molecular and Cellular Biochemistry</i> , 2015, 401, 175-183.	3.1	14
24	Fingolimod Improves the Outcome of Experimental Graves' Disease and Associated Orbitopathy by Modulating the Autoimmune Response to the Thyroid-Stimulating Hormone Receptor. <i>Thyroid</i> , 2019, 29, 1286-1301.	4.5	14
25	Dietary Nitrate Is a Modifier of Vascular Gene Expression in Old Male Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-12.	4.0	13
26	Myocardial Expression of Macrophage Migration Inhibitory Factor in Patients with Heart Failure. <i>Journal of Clinical Medicine</i> , 2017, 6, 95.	2.4	12
27	Cytosolic BNIP3 Dimer Interacts with Mitochondrial BAX Forming Heterodimers in the Mitochondrial Outer Membrane under Basal Conditions. <i>International Journal of Molecular Sciences</i> , 2017, 18, 687.	4.1	12
28	9-PAHSA Prevents Mitochondrial Dysfunction and Increases the Viability of Steatotic Hepatocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8279.	4.1	11
29	Mouse cardiac mitochondria do not separate in subsarcolemmal and interfibrillar subpopulations. <i>Mitochondrion</i> , 2018, 38, 1-5.	3.4	10
30	S-nitrosation of calpains is associated with cardioprotection in myocardial I/R injury. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 67, 68-74.	2.7	9
31	A practical approach to remote ischemic preconditioning and ischemic preconditioning against myocardial ischemia/reperfusion injury. <i>Journal of Biological Methods</i> , 2016, 3, e57.	0.6	8
32	Nitrite Concentration in the Striated Muscles Is Reversely Related to Myoglobin and Mitochondrial Proteins Content in Rats. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2686.	4.1	8
33	Filtration of Macrophage Migration Inhibitory Factor (MIF) in Patients with End Stage Renal Disease Undergoing Hemodialysis. <i>PLoS ONE</i> , 2015, 10, e0140215.	2.5	7
34	Percutaneous Mitral Valve Repair in Mitral Regurgitation Reduces Cell-Free Hemoglobin and Improves Endothelial Function. <i>PLoS ONE</i> , 2016, 11, e0151203.	2.5	7
35	Mitochondria at the Crossroads of Survival and Demise. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-2.	4.0	5
36	The impact of percutaneous peripheral interventions on endothelial function. <i>Vasa - European Journal of Vascular Medicine</i> , 2021, 50, 423-430.	1.4	5

#	ARTICLE	IF	CITATIONS
37	Revealing Subtle Changes in Cardiac Function using Transthoracic Dobutamine Stress Echocardiography in Mice. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	4
38	Superiority of focused ion beam scanning electron microscope tomography of cardiomyocytes over standard 2D analyses highlighted by unmasking mitochondrial heterogeneity. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 933-954.	7.3	4
39	Real-time Pressure-volume Analysis of Acute Myocardial Infarction in Mice. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1