

Andreas Daiber

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3721398/andreas-daiber-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

251 papers	14,399 citations	72 h-index	111 g-index
287 ext. papers	17,341 ext. citations	7 avg, IF	6.85 L-index

#	Paper	IF	Citations
251	Redox regulatory changes of circadian rhythm by the environmental risk factors traffic noise and air pollution.. <i>Antioxidants and Redox Signaling</i> , 2022 ,	8.4	3
250	Cerebral consequences of environmental noise exposure. <i>Environment International</i> , 2022 , 165, 107306	12.9	2
249	Protective actions of nuclear factor erythroid 2-related factor 2 (NRF2) and downstream pathways against environmental stressors. <i>Free Radical Biology and Medicine</i> , 2022 , 187, 72-91	7.8	3
248	Endothelial dysfunction: basis for many local and systemic conditions 2022 , 313-326		
247	Long-Term Effects of Aircraft Noise Exposure on Vascular Oxidative Stress, Endothelial Function and Blood Pressure: No Evidence for Adaptation or Tolerance Development.. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 814921	5.6	1
246	Redox Switches in Noise-Induced Cardiovascular and Neuronal Dysregulation. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 784910	5.6	2
245	B Lymphocyte-Deficiency in Mice Causes Vascular Dysfunction by Inducing Neutrophilia. <i>Biomedicines</i> , 2021 , 9,	4.8	1
244	Gesundheitsrisiko Mobilfunkstrahlung? Was ändert sich mit 5G?. <i>Aktuelle Kardiologie</i> , 2021 , 10, 531-536	0.1	0
243	Lebensstil und kardiovaskuläre Gesundheit Wie schädlich sind E-Zigaretten und Shisha-Rauchen?. <i>Aktuelle Kardiologie</i> , 2021 , 10, 537-542	0.1	
242	Das Exposom charakterisiert die Auswirkungen unserer Umwelt auf Stoffwechsel und Gesundheit. <i>Aktuelle Kardiologie</i> , 2021 , 10, 502-508	0.1	
241	Nachtliniinduzierte Schlafstörungen und Herz-Kreislauf-Risiko. <i>Aktuelle Kardiologie</i> , 2021 , 10, 521-525	0.1	
240	Lin und Herz-Kreislauf-Erkrankungen. <i>Aktuelle Kardiologie</i> , 2021 , 10, 516-520	0.1	
239	analysis of noise dependent activation of white blood cells and microvascular dysfunction in mice. <i>MethodsX</i> , 2021 , 8, 101540	1.9	0
238	Disturbed Lipid Metabolism in Diabetic Patients with Manifest Coronary Artery Disease Is Associated with Enhanced Inflammation. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
237	Transportation noise pollution and cardiovascular disease. <i>Nature Reviews Cardiology</i> , 2021 , 18, 619-636	14.8	45
236	Noise-Induced Vascular Dysfunction, Oxidative Stress, and Inflammation Are Improved by Pharmacological Modulation of the NRF2/HO-1 Axis. <i>Antioxidants</i> , 2021 , 10,	7.1	6
235	Influence of cardiometabolic comorbidities on myocardial function, infarction, and cardioprotection: Role of cardiac redox signaling. <i>Free Radical Biology and Medicine</i> , 2021 , 166, 33-52	7.8	9

234	Ablation of lysozyme M-positive cells prevents aircraft noise-induced vascular damage without improving cerebral side effects. <i>Basic Research in Cardiology</i> , 2021 , 116, 31	11.8	11
233	Iron-Bound Lipocalin-2 Protects Renal Cell Carcinoma from Ferroptosis. <i>Metabolites</i> , 2021 , 11,	5.6	6
232	Detection of extracellular superoxide in isolated human immune cells and in an animal model of arterial hypertension using hydropropidine probe and HPLC analysis. <i>Free Radical Biology and Medicine</i> , 2021 , 168, 214-225	7.8	4
231	Cigarette Smoking Is Related to Endothelial Dysfunction of Resistance, but Not Conduit Arteries in the General Population-Results From the Gutenberg Health Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 674622	5.4	2
230	Heart healthy cities: genetics loads the gun but the environment pulls the trigger. <i>European Heart Journal</i> , 2021 , 42, 2422-2438	9.5	9
229	Glucagon-like peptide-1 (GLP-1) receptor agonists and their cardiovascular benefits-The role of the GLP-1 receptor. <i>British Journal of Pharmacology</i> , 2021 ,	8.6	7
228	Deficiency of Antioxidative Paraoxonase 2 (Pon2) Leads to Increased Number of Phenotypic LT-HSCs and Disturbed Erythropoiesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 3917028	6.7	0
227	Vascular and Cardiac Oxidative Stress and Inflammation as Targets for Cardioprotection. <i>Current Pharmaceutical Design</i> , 2021 , 27, 2112-2130	3.3	7
226	Redox-related biomarkers in human cardiovascular disease - classical footprints and beyond. <i>Redox Biology</i> , 2021 , 42, 101875	11.3	17
225	Midregional pro atrial natriuretic peptide: a novel important biomarker for noise annoyance-induced cardiovascular morbidity and mortality?. <i>Clinical Research in Cardiology</i> , 2021 , 110, 29-39	6.1	7
224	The impact of aircraft noise on vascular and cardiac function in relation to noise event number: a randomized trial. <i>Cardiovascular Research</i> , 2021 , 117, 1382-1390	9.9	9
223	Environmental risk factors and cardiovascular diseases: a comprehensive review. <i>Cardiovascular Research</i> , 2021 ,	9.9	9
222	Accelerated Aging and Age-Related Diseases (CVD and Neurological) Due to Air Pollution and Traffic Noise Exposure. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
221	Discovery of new therapeutic redox targets for cardioprotection against ischemia/reperfusion injury and heart failure. <i>Free Radical Biology and Medicine</i> , 2021 , 163, 325-343	7.8	15
220	Vascular biotransformation of organic nitrates is independent of cytochrome P450 monooxygenases. <i>British Journal of Pharmacology</i> , 2021 , 178, 1495-1506	8.6	2
219	Thiol-based redox-active proteins as cardioprotective therapeutic agents in cardiovascular diseases. <i>Basic Research in Cardiology</i> , 2021 , 116, 44	11.8	6
218	GLP-1 Analog Liraglutide Improves Vascular Function in Polymicrobial Sepsis by Reduction of Oxidative Stress and Inflammation. <i>Antioxidants</i> , 2021 , 10,	7.1	7
217	Smoking and Neuropsychiatric Disease-Associations and Underlying Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3

216	Angiotensin II Induces Oxidative Stress and Endothelial Dysfunction in Mouse Ophthalmic Arteries via Involvement of AT1 Receptors and NOX2. <i>Antioxidants</i> , 2021 , 10,	7.1	7
215	Influence of rosuvastatin treatment on cerebral inflammation and nitro-oxidative stress in experimental lung injury in pigs. <i>BMC Anesthesiology</i> , 2021 , 21, 224	2.4	1
214	Direct comparison of inorganic nitrite and nitrate on vascular dysfunction and oxidative damage in experimental arterial hypertension. <i>Nitric Oxide - Biology and Chemistry</i> , 2021 , 113-114, 57-69	5	0
213	Heightened amygdalar activity mediates the cardiometabolic effects of transportation noise stress. <i>Psychoneuroendocrinology</i> , 2021 , 131, 105347	5	3
212	Aircraft noise exposure drives the activation of white blood cells and induces microvascular dysfunction in mice. <i>Redox Biology</i> , 2021 , 46, 102063	11.3	7
211	Doxorubicin induces wide-spread transcriptional changes in the myocardium of hearts distinguishing between mice with preserved and impaired cardiac function. <i>Life Sciences</i> , 2021 , 284, 119879	6.8	0
210	Comparison of three methods for quantification of glutathione in tissues of hypertensive rats.. <i>Free Radical Research</i> , 2021 , 1-14	4	1
209	Luftverschmutzung und Herz-Kreislauf-Erkrankungen. <i>Aktuelle Kardiologie</i> , 2021 , 10, 510-515	0.1	
208	Herzgesunde Städte [Die Gene laden das Gewehr, die Umwelt zieht den Abzug. <i>Aktuelle Kardiologie</i> , 2021 , 10, 543-547	0.1	
207	Exacerbation of adverse cardiovascular effects of aircraft noise in an animal model of arterial hypertension. <i>Redox Biology</i> , 2020 , 34, 101515	11.3	20
206	Development of an Analytical Assay for Electrochemical Detection and Quantification of Protein-Bound 3-Nitrotyrosine in Biological Samples and Comparison with Classical, Antibody-Based Methods. <i>Antioxidants</i> , 2020 , 9,	7.1	5
205	Oxidative stress and inflammation contribute to traffic noise-induced vascular and cerebral dysfunction via uncoupling of nitric oxide synthases. <i>Redox Biology</i> , 2020 , 34, 101506	11.3	27
204	The role of mitochondrial reactive oxygen species, NO and H ₂ S in ischaemia/reperfusion injury and cardioprotection. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 6510-6522	5.6	39
203	Regulation of Vascular Function and Inflammation via Cross Talk of Reactive Oxygen and Nitrogen Species from Mitochondria or NADPH Oxidase-Implications for Diabetes Progression. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	19
202	The AMP-Activated Protein Kinase Plays a Role in Antioxidant Defense and Regulation of Vascular Inflammation. <i>Antioxidants</i> , 2020 , 9,	7.1	13
201	Ambient Air Pollution Increases the Risk of Cerebrovascular and Neuropsychiatric Disorders through Induction of Inflammation and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	62
200	Revisiting pharmacology of oxidative stress and endothelial dysfunction in cardiovascular disease: Evidence for redox-based therapies. <i>Free Radical Biology and Medicine</i> , 2020 , 157, 15-37	7.8	46
199	Germ-free housing conditions do not affect aortic root and aortic arch lesion size of late atherosclerotic low-density lipoprotein receptor-deficient mice. <i>Gut Microbes</i> , 2020 , 11, 1809-1823	8.8	9

198	Effects of tobacco cigarettes, e-cigarettes, and waterpipe smoking on endothelial function and clinical outcomes. <i>European Heart Journal</i> , 2020 , 41, 4057-4070	9.5	71
197	Long-term cardiovascular risk of e-cigarettes. <i>European Heart Journal</i> , 2020 , 41, 1526	9.5	1
196	Adverse Cardiovascular Effects of Traffic Noise with a Focus on Nighttime Noise and the New WHO Noise Guidelines. <i>Annual Review of Public Health</i> , 2020 , 41, 309-328	20.6	48
195	Renal Effects of Fetal Reprogramming With Pentaerythritol Tetranitrate in Spontaneously Hypertensive Rats. <i>Frontiers in Pharmacology</i> , 2020 , 11, 454	5.6	3
194	Acrolein, e-cigarettes, and pulmonary and vascular damage. <i>European Heart Journal</i> , 2020 , 41, 1524	9.5	2
193	Sodium-glucose cotransporter 2 inhibitors, diabetes, and oxidative stress 2020 , 117-128		
192	Short-term e-cigarette vapor exposure causes vascular oxidative stress and dysfunction - evidence for a close connection to brain damage and a key role of the phagocytic NADPH oxidase (NOX-2). <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	1
191	Short-term e-cigarette vapour exposure causes vascular oxidative stress and dysfunction: evidence for a close connection to brain damage and a key role of the phagocytic NADPH oxidase (NOX-2). <i>European Heart Journal</i> , 2020 , 41, 2472-2483	9.5	74
190	The sixth sense is involved in noise-induced stress responses and vascular inflammation: evidence for heightened amygdalar activity in response to transport noise in man. <i>European Heart Journal</i> , 2020 , 41, 783-785	9.5	9
189	Native, Intact Glucagon-Like Peptide 1 Is a Natural Suppressor of Thrombus Growth Under Physiological Flow Conditions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, e65-e77	9.4	12
188	Influence of mental stress and environmental toxins on circadian clocks: Implications for redox regulation of the heart and cardioprotection. <i>British Journal of Pharmacology</i> , 2020 , 177, 5393-5412	8.6	23
187	Endothelial GLP-1 (Glucagon-Like Peptide-1) Receptor Mediates Cardiovascular Protection by Liraglutide In Mice With Experimental Arterial Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 145-158	9.4	68
186	Traffic-related environmental risk factors and their impact on oxidative stress and cardiovascular health 2020 , 489-510		1
185	Effects of clopidogrel vs. prasugrel vs. ticagrelor on endothelial function, inflammatory parameters, and platelet function in patients with acute coronary syndrome undergoing coronary artery stenting: a randomized, blinded, parallel study. <i>European Heart Journal</i> , 2020 , 41, 3144-3152	9.5	26
184	Body Mass Index (BMI) and Its Influence on the Cardiovascular and Operative Risk Profile in Coronary Artery Bypass Grafting Patients: Impact of Inflammation and Leptin. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 5724024	6.7	3
183	CD40/CD40L and Related Signaling Pathways in Cardiovascular Health and Disease-The Pros and Cons for Cardioprotection. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
182	Effects of air pollution particles (ultrafine and fine particulate matter) on mitochondrial function and oxidative stress - Implications for cardiovascular and neurodegenerative diseases. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 696, 108662	4.1	22
181	Could E-cigarette vaping contribute to heart disease?. <i>Expert Review of Respiratory Medicine</i> , 2020 , 14, 1131-1139	3.8	5

180	Is vaping better than smoking cigarettes?. <i>European Heart Journal</i> , 2020 , 41, 2612-2614	9.5	2
179	Fetal programming effects of pentaerythritol tetranitrate in a rat model of superimposed preeclampsia. <i>Journal of Molecular Medicine</i> , 2020 , 98, 1287-1299	5.5	1
178	Reduction of environmental pollutants for prevention of cardiovascular disease: it's time to act. <i>European Heart Journal</i> , 2020 , 41, 3989-3997	9.5	21
177	Environmental aircraft noise aggravates oxidative DNA damage, granulocyte oxidative burst and nitrate resistance in mice. <i>Free Radical Research</i> , 2020 , 54, 280-292	4	7
176	Environmental Factors Such as Noise and Air Pollution and Vascular Disease. <i>Antioxidants and Redox Signaling</i> , 2020 , 33, 581-601	8.4	9
175	The anti-cancer drug doxorubicin induces substantial epigenetic changes in cultured cardiomyocytes. <i>Chemico-Biological Interactions</i> , 2019 , 313, 108834	5	22
174	Reductive modification of genetically encoded 3-nitrotyrosine sites in alpha synuclein expressed in E.coli. <i>Redox Biology</i> , 2019 , 26, 101251	11.3	12
173	Resveratrol and Vascular Function. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	69
172	Chronic occupational noise exposure: Effects on DNA damage, blood pressure, and serum biochemistry. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019 , 841, 17-22	3	15
171	Cardiovascular disease burden from ambient air pollution in Europe reassessed using novel hazard ratio functions. <i>European Heart Journal</i> , 2019 , 40, 1590-1596	9.5	349
170	Environmental noise induces the release of stress hormones and inflammatory signaling molecules leading to oxidative stress and vascular dysfunction-Signatures of the internal exposome. <i>BioFactors</i> , 2019 , 45, 495-506	6.1	37
169	T Cell-Derived IL-17A Induces Vascular Dysfunction via Perivascular Fibrosis Formation and Dysregulation of NO/cGMP Signaling. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 6721531	6.7	19
168	Vascular Inflammation and Oxidative Stress: Major Triggers for Cardiovascular Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 7092151	6.7	190
167	Comparison of Mitochondrial Superoxide Detection Ex Vivo/In Vivo by mitoSOX HPLC Method with Classical Assays in Three Different Animal Models of Oxidative Stress. <i>Antioxidants</i> , 2019 , 8,	7.1	12
166	Acute exposure to nocturnal train noise induces endothelial dysfunction and pro-thrombotic inflammatory changes of the plasma proteome in healthy subjects. <i>Basic Research in Cardiology</i> , 2019 , 114, 46	11.8	35
165	The air pollution constituent particulate matter (PM2.5) destabilizes coronary artery plaques. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1365-1367	4.1	5
164	The "exposome" concept - how environmental risk factors influence cardiovascular health. <i>Acta Biochimica Polonica</i> , 2019 , 66, 269-283	2	20
163	The Cardiovascular Effects of Noise. <i>Deutsches Arzteblatt International</i> , 2019 , 116, 245-250.	5	20

162	Elevated Intraocular Pressure Causes Abnormal Reactivity of Mouse Retinal Arterioles. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 9736047	6.7	17
161	Apolipoprotein E Deficiency Causes Endothelial Dysfunction in the Mouse Retina. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 5181429	6.7	10
160	Environmental Noise-Induced Effects on Stress Hormones, Oxidative Stress, and Vascular Dysfunction: Key Factors in the Relationship between Cerebrocardiovascular and Psychological Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 4623109	6.7	42
159	Nitroglycerine limits infarct size through S-nitrosation of cyclophilin D: a novel mechanism for an old drug. <i>Cardiovascular Research</i> , 2019 , 115, 625-636	9.9	22
158	Endothelial β -AMPK modulates angiotensin II-mediated vascular inflammation and dysfunction. <i>Basic Research in Cardiology</i> , 2019 , 114, 8	11.8	16
157	Antagonization of IL-17A Attenuates Skin Inflammation and Vascular Dysfunction in Mouse Models of Psoriasis. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 638-647	4.3	38
156	New Therapeutic Implications of Endothelial Nitric Oxide Synthase (eNOS) Function/Dysfunction in Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	102
155	Transcription Factor NRF2 as a Therapeutic Target for Chronic Diseases: A Systems Medicine Approach. <i>Pharmacological Reviews</i> , 2018 , 70, 348-383	22.5	271
154	Environmental Noise and the Cardiovascular System. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 688-697	15.1	165
153	The potential of aldehyde dehydrogenase 2 as a therapeutic target in cardiovascular disease. <i>Expert Opinion on Therapeutic Targets</i> , 2018 , 22, 217-231	6.4	13
152	The Adverse Effects of Environmental Noise Exposure on Oxidative Stress and Cardiovascular Risk. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 873-908	8.4	93
151	Gliptins Suppress Inflammatory Macrophage Activation to Mitigate Inflammation, Fibrosis, Oxidative Stress, and Vascular Dysfunction in Models of Nonalcoholic Steatohepatitis and Liver Fibrosis. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 87-109	8.4	37
150	CD40L controls obesity-associated vascular inflammation, oxidative stress, and endothelial dysfunction in high fat diet-treated and db/db mice. <i>Cardiovascular Research</i> , 2018 , 114, 312-323	9.9	27
149	β -AMPK deletion in myelomonocytic cells induces a pro-inflammatory phenotype and enhances angiotensin II-induced vascular dysfunction. <i>Cardiovascular Research</i> , 2018 , 114, 1883-1893	9.9	16
148	Effects of gaseous and solid constituents of air pollution on endothelial function. <i>European Heart Journal</i> , 2018 , 39, 3543-3550	9.5	126
147	Crucial role for Nox2 and sleep deprivation in aircraft noise-induced vascular and cerebral oxidative stress, inflammation, and gene regulation. <i>European Heart Journal</i> , 2018 , 39, 3528-3539	9.5	88
146	Inorganic nitrite and nitrate in cardiovascular therapy: A better alternative to organic nitrates as nitric oxide donors?. <i>Vascular Pharmacology</i> , 2018 , 102, 1-10	5.9	41
145	The Endothelin Receptor Antagonist Macitentan Improves Isosorbide-5-Mononitrate (ISMN) and Isosorbide Dinitrate (ISDN) Induced Endothelial Dysfunction, Oxidative Stress, and Vascular Inflammation. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 7845629	6.7	4

144	Oxidative Stress in Cardiac Tissue of Patients Undergoing Coronary Artery Bypass Graft Surgery: The Effects of Overweight and Obesity. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 6598326	6.7	9
143	Stimulatory TSH-Receptor Antibodies and Oxidative Stress in Graves Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 3668-3677	5.6	22
142	Comparison of Pulmonary and Systemic NO- and PGI-Dependent Endothelial Function in Diabetic Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 4036709	6.7	7
141	Crosstalk of mitochondria with NADPH oxidase via reactive oxygen and nitrogen species signalling and its role for vascular function. <i>British Journal of Pharmacology</i> , 2017 , 174, 1670-1689	8.6	153
140	Targeting vascular (endothelial) dysfunction. <i>British Journal of Pharmacology</i> , 2017 , 174, 1591-1619	8.6	248
139	Antioxidant effects of resveratrol in the cardiovascular system. <i>British Journal of Pharmacology</i> , 2017 , 174, 1633-1646	8.6	248
138	Targeting the NO/superoxide ratio in adipose tissue: relevance to obesity and diabetes management. <i>British Journal of Pharmacology</i> , 2017 , 174, 1570-1590	8.6	38
137	Redox regulation of cardiovascular inflammation - Immunomodulatory function of mitochondrial and Nox-derived reactive oxygen and nitrogen species. <i>Free Radical Biology and Medicine</i> , 2017 , 109, 48-60	7.8	83
136	Platelet-localized FXI promotes a vascular coagulation-inflammatory circuit in arterial hypertension. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	53
135	Peripheral artery disease, redox signaling, oxidative stress - Basic and clinical aspects. <i>Redox Biology</i> , 2017 , 12, 787-797	11.3	61
134	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017 , 13, 94-162	11.3	185
133	Does endothelial tetrahydrobiopterin control the endothelial NO synthase coupling state in arterial resistance arteries?. <i>British Journal of Pharmacology</i> , 2017 , 174, 2422-2424	8.6	4
132	Effects of noise on vascular function, oxidative stress, and inflammation: mechanistic insight from studies in mice. <i>European Heart Journal</i> , 2017 , 38, 2838-2849	9.5	117
131	Taking up the cudgels for the traditional reactive oxygen and nitrogen species detection assays and their use in the cardiovascular system. <i>Redox Biology</i> , 2017 , 12, 35-49	11.3	42
130	Health Benefits of Fasting and Caloric Restriction. <i>Current Diabetes Reports</i> , 2017 , 17, 123	5.6	99
129	Pentaerythritol Tetranitrate In Vivo Treatment Improves Oxidative Stress and Vascular Dysfunction by Suppression of Endothelin-1 Signaling in Monocrotaline-Induced Pulmonary Hypertension. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 4353462	6.7	20
128	Role of Protein Kinase C and Nox2-Derived Reactive Oxygen Species Formation in the Activation and Maturation of Dendritic Cells by Phorbol Ester and Lipopolysaccharide. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 4157213	6.7	11
127	Time Response of Oxidative/Nitrosative Stress and Inflammation in LPS-Induced Endotoxaemia-A Comparative Study of Mice and Rats. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	21

126	The SGLT2 inhibitor empagliflozin improves the primary diabetic complications in ZDF rats. <i>Redox Biology</i> , 2017 , 13, 370-385	11.3	130
125	Glucagon-like peptide-1 receptor signalling reduces microvascular thrombosis, nitro-oxidative stress and platelet activation in endotoxaemic mice. <i>British Journal of Pharmacology</i> , 2017 , 174, 1620-1632	8.6	51
124	Pharmacology of Nitrovasodilators 2017 , 195-216		
123	NOX2 amplifies acetaldehyde-mediated cardiomyocyte mitochondrial dysfunction in alcoholic cardiomyopathy. <i>Scientific Reports</i> , 2016 , 6, 32554	4.9	34
122	Cardioprotection by H ₂ S Donors: Nitric Oxide-Dependent and -Independent Mechanisms. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 358, 431-40	4.7	54
121	Formation of 2-nitrophenol from salicylaldehyde as a suitable test for low peroxynitrite fluxes. <i>Redox Biology</i> , 2016 , 7, 39-47	11.3	6
120	Uncoupling of Endothelial Nitric Oxide Synthase in Perivascular Adipose Tissue of Diet-Induced Obese Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 78-85	9.4	124
119	Nitroglycerin induces DNA damage and vascular cell death in the setting of nitrate tolerance. <i>Basic Research in Cardiology</i> , 2016 , 111, 52	11.8	11
118	Influence of exercise training on proangiogenic TIE-2 monocytes and circulating angiogenic cells in patients with peripheral arterial disease. <i>Clinical Research in Cardiology</i> , 2016 , 105, 666-676	6.1	13
117	Redox implications in adipose tissue (dys)function--A new look at old acquaintances. <i>Redox Biology</i> , 2015 , 6, 19-32	11.3	52
116	Pathophysiological role of oxidative stress in systolic and diastolic heart failure and its therapeutic implications. <i>European Heart Journal</i> , 2015 , 36, 2555-64	9.5	227
115	Antioxidants in Translational Medicine. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 1130-43	8.4	160
114	Redox regulation of genome stability by effects on gene expression, epigenetic pathways and DNA damage/repair. <i>Redox Biology</i> , 2015 , 5, 275-289	11.3	105
113	Loss of Nrf2 in bone marrow-derived macrophages impairs antigen-driven CD8(+) T cell function by limiting GSH and Cys availability. <i>Free Radical Biology and Medicine</i> , 2015 , 83, 77-88	7.8	27
112	Change of walking distance in intermittent claudication: impact on inflammation, oxidative stress and mononuclear cells: a pilot study. <i>Clinical Research in Cardiology</i> , 2015 , 104, 751-63	6.1	17
111	Gliptin and GLP-1 analog treatment improves survival and vascular inflammation/dysfunction in animals with lipopolysaccharide-induced endotoxemia. <i>Basic Research in Cardiology</i> , 2015 , 110, 6	11.8	62
110	Organic Nitrate Therapy, Nitrate Tolerance, and Nitrate-Induced Endothelial Dysfunction: Emphasis on Redox Biology and Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 899-942	8.4	88
109	Reactive Oxygen-Related Diseases: Therapeutic Targets and Emerging Clinical Indications. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 1171-85	8.4	89

108	Mitochondrial Oxidative Stress, Mitochondrial DNA Damage and Their Role in Age-Related Vascular Dysfunction. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 15918-53	6.3	153
107	Exploiting the Pleiotropic Antioxidant Effects of Established Drugs in Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 18185-223	6.3	48
106	Maternal treatment of spontaneously hypertensive rats with pentaerythritol tetranitrate reduces blood pressure in female offspring. <i>Hypertension</i> , 2015 , 65, 232-7	8.5	33
105	Heme oxygenase-1 suppresses a pro-inflammatory phenotype in monocytes and determines endothelial function and arterial hypertension in mice and humans. <i>European Heart Journal</i> , 2015 , 36, 3437-46	9.5	62
104	Interleukin 17 drives vascular inflammation, endothelial dysfunction, and arterial hypertension in psoriasis-like skin disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2658-68	9.4	140
103	Endothelial dysfunction in tristetraproline-deficient mice is not caused by enhanced tumor necrosis factor- α expression. <i>Journal of Biological Chemistry</i> , 2014 , 289, 15653-65	5.4	15
102	Vascular Redox Signaling, Redox Switches in Endothelial Nitric Oxide Synthase (eNOS Uncoupling), and Endothelial Dysfunction 2014 , 1177-1211		14
101	Glutathione peroxidase-1 deficiency potentiates dysregulatory modifications of endothelial nitric oxide synthase and vascular dysfunction in aging. <i>Hypertension</i> , 2014 , 63, 390-6	8.5	97
100	The sodium-glucose co-transporter 2 inhibitor empagliflozin improves diabetes-induced vascular dysfunction in the streptozotocin diabetes rat model by interfering with oxidative stress and glucotoxicity. <i>PLoS ONE</i> , 2014 , 9, e112394	3.7	167
99	Effects of clopidogrel, prasugrel and ticagrelor on endothelial function, inflammatory and oxidative stress parameters and platelet function in patients undergoing coronary artery stenting for an acute coronary syndrome. A randomised, prospective, controlled study. <i>BMJ Open</i> , 2014 , 4, e005268	3	22
98	Inflammatory monocytes determine endothelial nitric-oxide synthase uncoupling and nitro-oxidative stress induced by angiotensin II. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27540-50	5.4	81
97	Mitochondrial redox signaling: Interaction of mitochondrial reactive oxygen species with other sources of oxidative stress. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 308-24	8.4	170
96	Molecular mechanisms of the crosstalk between mitochondria and NADPH oxidase through reactive oxygen species-studies in white blood cells and in animal models. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 247-66	8.4	169
95	eNOS uncoupling in cardiovascular diseases--the role of oxidative stress and inflammation. <i>Current Pharmaceutical Design</i> , 2014 , 20, 3579-94	3.3	177
94	CD40L contributes to angiotensin II-induced pro-thrombotic state, vascular inflammation, oxidative stress and endothelial dysfunction. <i>Basic Research in Cardiology</i> , 2013 , 108, 386	11.8	50
93	Critical limb ischaemia is characterised by an increased production of whole blood reactive oxygen species and expression of TREM-1 on neutrophils. <i>Atherosclerosis</i> , 2013 , 229, 396-403	3.1	39
92	Effects of telmisartan or amlodipine monotherapy versus telmisartan/amlodipine combination therapy on vascular dysfunction and oxidative stress in diabetic rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2013 , 386, 405-19	3.4	9
91	More answers to the still unresolved question of nitrate tolerance. <i>European Heart Journal</i> , 2013 , 34, 2666-73	9.5	72

90	Chronic therapy with isosorbide-5-mononitrate causes endothelial dysfunction, oxidative stress, and a marked increase in vascular endothelin-1 expression. <i>European Heart Journal</i> , 2013 , 34, 3206-16	9.5	68
89	Protein tyrosine nitration and thiol oxidation by peroxynitrite-strategies to prevent these oxidative modifications. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 7542-70	6.3	35
88	Peroxisome proliferator-activated receptor γ -coactivator 1 α deletion induces angiotensin II-associated vascular dysfunction by increasing mitochondrial oxidative stress and vascular inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1928-35	9.4	42
87	Angiotensin II-induced vascular dysfunction depends on interferon- γ -driven immune cell recruitment and mutual activation of monocytes and NK-cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1313-9	9.4	95
86	Hyperglycemia and oxidative stress in cultured endothelial cells--a comparison of primary endothelial cells with an immortalized endothelial cell line. <i>Journal of Diabetes and Its Complications</i> , 2012 , 26, 155-62	3.2	31
85	Free radical biology of the cardiovascular system. <i>Clinical Science</i> , 2012 , 123, 73-91	6.5	104
84	Glucose-independent improvement of vascular dysfunction in experimental sepsis by dipeptidyl-peptidase 4 inhibition. <i>Cardiovascular Research</i> , 2012 , 96, 140-9	9.9	136
83	Impairment of the extrusion transporter for asymmetric dimethyl-L-arginine: a novel mechanism underlying vasospastic angina. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 423, 218-23	3.4	21
82	Direct Antioxidant Properties of Bilirubin and Biliverdin. Is there a Role for Biliverdin Reductase?. <i>Frontiers in Pharmacology</i> , 2012 , 3, 30	5.6	120
81	Phenotypic characterisation of pro-inflammatory monocytes and dendritic cells in peripheral arterial disease. <i>Thrombosis and Haemostasis</i> , 2012 , 108, 1198-207	7	29
80	Chronic protection against ischemia and reperfusion-induced endothelial dysfunction during therapy with different organic nitrates. <i>Clinical Research in Cardiology</i> , 2012 , 101, 453-9	6.1	15
79	Heme oxygenase-1 induction and organic nitrate therapy: beneficial effects on endothelial dysfunction, nitrate tolerance, and vascular oxidative stress. <i>International Journal of Hypertension</i> , 2012 , 2012, 842632	2.4	11
78	AMP-activated protein kinase mediates vascular protective effects of exercise. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1632-41	9.4	23
77	Autocatalytic nitration of prostaglandin endoperoxide synthase-2 by nitrite inhibits prostanoid formation in rat alveolar macrophages. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 1393-406	8.4	8
76	Vascular dysfunction in streptozotocin-induced experimental diabetes strictly depends on insulin deficiency. <i>Journal of Vascular Research</i> , 2011 , 48, 275-84	1.9	36
75	Betulinic acid protects against cerebral ischemia-reperfusion injury in mice by reducing oxidative and nitrosative stress. <i>Nitric Oxide - Biology and Chemistry</i> , 2011 , 24, 132-8	5	47
74	Differential effects of heart rate reduction with ivabradine in two models of endothelial dysfunction and oxidative stress. <i>Basic Research in Cardiology</i> , 2011 , 106, 1147-58	11.8	28
73	Lysozyme M-positive monocytes mediate angiotensin II-induced arterial hypertension and vascular dysfunction. <i>Circulation</i> , 2011 , 124, 1370-81	16.7	332

72	Nitroglycerin-induced endothelial dysfunction and tolerance involve adverse phosphorylation and S-Glutathionylation of endothelial nitric oxide synthase: beneficial effects of therapy with the AT1 receptor blocker telmisartan. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2223-31	9.4	80
71	AMP-activated protein kinase preserves endothelial function during chronic angiotensin II treatment by limiting Nox2 upregulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 560-6	9.4	57
70	Nitrate therapy: new aspects concerning molecular action and tolerance. <i>Circulation</i> , 2011 , 123, 2132-44	16.7	139
69	Vascular dysfunction in experimental diabetes is improved by pentaerythrityl tetranitrate but not isosorbide-5-mononitrate therapy. <i>Diabetes</i> , 2011 , 60, 2608-16	0.9	76
68	Regulation of human mitochondrial aldehyde dehydrogenase (ALDH-2) activity by electrophiles in vitro. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8893-900	5.4	33
67	Organic nitrates and nitrate resistance in diabetes: the role of vascular dysfunction and oxidative stress with emphasis on antioxidant properties of pentaerythrityl tetranitrate. <i>Experimental Diabetes Research</i> , 2010 , 2010, 213176		21
66	Resveratrol reverses endothelial nitric-oxide synthase uncoupling in apolipoprotein E knockout mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 335, 149-54	4.7	133
65	Organic nitrates and nitrate tolerance--state of the art and future developments. <i>Advances in Pharmacology</i> , 2010 , 60, 177-227	5.7	24
64	Tolerance to nitroglycerin-induced preconditioning of the endothelium: a human in vivo study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H340-5	5.2	32
63	Pentaerythritol tetranitrate improves angiotensin II-induced vascular dysfunction via induction of heme oxygenase-1. <i>Hypertension</i> , 2010 , 55, 897-904	8.5	55
62	The Role of Mitochondrial Reactive Oxygen Species Formation for Age-Induced Vascular Dysfunction 2010 , 237-257		2
61	Conversion of biliverdin to bilirubin by biliverdin reductase contributes to endothelial cell protection by heme oxygenase-1-evidence for direct and indirect antioxidant actions of bilirubin. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 186-95	5.8	133
60	One enzyme, two functions: PON2 prevents mitochondrial superoxide formation and apoptosis independent from its lactonase activity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 24398-403	5.4	105
59	Effects of pentaerythritol tetranitrate on endothelial function in coronary artery disease: results of the PENTA study. <i>Clinical Research in Cardiology</i> , 2010 , 99, 115-24	6.1	31
58	Redox signaling (cross-talk) from and to mitochondria involves mitochondrial pores and reactive oxygen species. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 897-906	4.6	266
57	Characterization of the antioxidant properties of pentaerythrityl tetranitrate (PETN)-induction of the intrinsic antioxidative system heme oxygenase-1 (HO-1). <i>Methods in Molecular Biology</i> , 2010 , 594, 311-26	1.4	13
56	Nitrate reductase activity of mitochondrial aldehyde dehydrogenase (ALDH-2) as a redox sensor for cardiovascular oxidative stress. <i>Methods in Molecular Biology</i> , 2010 , 594, 43-55	1.4	11
55	Monitoring white blood cell mitochondrial aldehyde dehydrogenase activity: implications for nitrate therapy in humans. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 330, 63-71	4.7	26

54	Chemical model systems for cellular nitros(yl)ation reactions. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 458-67	7.8	31
53	Effects of nitroglycerin or pentaerithrityl tetranitrate treatment on the gene expression in rat hearts: evidence for cardiotoxic and cardioprotective effects. <i>Physiological Genomics</i> , 2009 , 38, 176-85	3.6	24
52	Non-hemodynamic effects of organic nitrates and the distinctive characteristics of pentaerithrityl tetranitrate. <i>American Journal of Cardiovascular Drugs</i> , 2009 , 9, 7-15	4	38
51	Nitrate tolerance as a model of vascular dysfunction: roles for mitochondrial aldehyde dehydrogenase and mitochondrial oxidative stress. <i>Pharmacological Reports</i> , 2009 , 61, 33-48	3.9	50
50	AT1-receptor blockade by telmisartan upregulates GTP-cyclohydrolase I and protects eNOS in diabetic rats. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 619-26	7.8	102
49	Nitric oxide, tetrahydrobiopterin, oxidative stress, and endothelial dysfunction in hypertension. <i>Antioxidants and Redox Signaling</i> , 2008 , 10, 1115-26	8.4	319
48	ALDH-2 deficiency increases cardiovascular oxidative stress--evidence for indirect antioxidative properties. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 367, 137-43	3.4	67
47	Mechanisms underlying recoupling of eNOS by HMG-CoA reductase inhibition in a rat model of streptozotocin-induced diabetes mellitus. <i>Atherosclerosis</i> , 2008 , 198, 65-76	3.1	106
46	First evidence for a crosstalk between mitochondrial and NADPH oxidase-derived reactive oxygen species in nitroglycerin-triggered vascular dysfunction. <i>Antioxidants and Redox Signaling</i> , 2008 , 10, 1435-47	8.4	120
45	Suppression of the JNK Pathway by Induction of a Metabolic Stress Response Prevents Vascular Injury and Dysfunction. <i>Circulation</i> , 2008 , 1	16.7	84
44	Manganese superoxide dismutase and aldehyde dehydrogenase deficiency increase mitochondrial oxidative stress and aggravate age-dependent vascular dysfunction. <i>Cardiovascular Research</i> , 2008 , 80, 280-9	9.9	170
43	Vascular tolerance to nitroglycerin in ascorbate deficiency: results are in favour of an important role of oxidative stress in nitrate tolerance. <i>Cardiovascular Research</i> , 2008 , 79, 722-3; author reply 724	9.9	7
42	Cyclooxygenase 2-selective and nonselective nonsteroidal anti-inflammatory drugs induce oxidative stress by up-regulating vascular NADPH oxidases. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 326, 745-53	4.7	49
41	New insights into bioactivation of organic nitrates, nitrate tolerance and cross-tolerance. <i>Clinical Research in Cardiology</i> , 2008 , 97, 12-20	6.1	102
40	Suppression of the JNK pathway by induction of a metabolic stress response prevents vascular injury and dysfunction. <i>Circulation</i> , 2008 , 118, 1347-57	16.7	76
39	Oxidative inhibition of the mitochondrial aldehyde dehydrogenase promotes nitroglycerin tolerance in human blood vessels. <i>Journal of the American College of Cardiology</i> , 2007 , 50, 2226-32	15.1	50
38	Gp91phox-containing NAD(P)H oxidase increases superoxide formation by doxorubicin and NADPH. <i>Free Radical Biology and Medicine</i> , 2007 , 42, 466-73	7.8	71
37	Role of reduced lipoic acid in the redox regulation of mitochondrial aldehyde dehydrogenase (ALDH-2) activity. Implications for mitochondrial oxidative stress and nitrate tolerance. <i>Journal of Biological Chemistry</i> , 2007 , 282, 792-9	5.4	122

36	Deficiency of glutathione peroxidase-1 accelerates the progression of atherosclerosis in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 850-7	9.4	149
35	Potency and in vitro tolerance of organic nitrates: partially denitrated metabolites contribute to the tolerance-devoid activity of pentaerythrityl tetranitrate. <i>Journal of Cardiovascular Pharmacology</i> , 2007 , 50, 68-74	3.1	20
34	Heme oxygenase-1: a novel key player in the development of tolerance in response to organic nitrates. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 1729-35	9.4	73
33	Differential effects of organic nitrates on endothelial progenitor cells are determined by oxidative stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 748-54	9.4	62
32	Increased superoxide production in nitrate tolerance is associated with NAD(P)H oxidase and aldehyde dehydrogenase 2 downregulation. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 1111-8	5.8	48
31	Nitroglycerine causes mitochondrial reactive oxygen species production: in vitro mechanistic insights. <i>Canadian Journal of Cardiology</i> , 2007 , 23, 990-2	3.8	17
30	Enzyme Inhibition by Peroxynitrite-Mediated Tyrosine Nitration and Thiol Oxidation. <i>Current Enzyme Inhibition</i> , 2007 , 3, 103-117	0.5	18
29	Mitochondrial oxidative stress and nitrate tolerance--comparison of nitroglycerin and pentaerythrityl tetranitrate in Mn-SOD+/- mice. <i>BMC Cardiovascular Disorders</i> , 2006 , 6, 44	2.3	31
28	Nebivolol inhibits superoxide formation by NADPH oxidase and endothelial dysfunction in angiotensin II-treated rats. <i>Hypertension</i> , 2006 , 48, 677-84	8.5	164
27	NADPH oxidase accounts for enhanced superoxide production and impaired endothelium-dependent smooth muscle relaxation in BKbeta1-/- mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 1753-9	9.4	41
26	Autocatalytic tyrosine nitration of prostaglandin endoperoxide synthase-2 in LPS-stimulated RAW 264.7 macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 340, 318-25	3.4	27
25	Mechanisms underlying dysfunction of carotid arteries in genetically hyperlipidemic rabbits. <i>Nitric Oxide - Biology and Chemistry</i> , 2006 , 15, 241-51	5	10
24	Vascular consequences of endothelial nitric oxide synthase uncoupling for the activity and expression of the soluble guanylyl cyclase and the cGMP-dependent protein kinase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1551-7	9.4	277
23	Hydralazine is a powerful inhibitor of peroxynitrite formation as a possible explanation for its beneficial effects on prognosis in patients with congestive heart failure. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 1865-74	3.4	95
22	The oxidative stress concept of nitrate tolerance and the antioxidant properties of hydralazine. <i>American Journal of Cardiology</i> , 2005 , 96, 25i-36i	3	57
21	Differential effects of diabetes on the expression of the gp91phox homologues nox1 and nox4. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 381-91	7.8	108
20	Mechanisms of increased vascular superoxide production in an experimental model of idiopathic dilated cardiomyopathy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 2554-9	9.4	51
19	Explaining the phenomenon of nitrate tolerance. <i>Circulation Research</i> , 2005 , 97, 618-28	15.7	346

18	Heterozygous deficiency of manganese superoxide dismutase in mice (Mn-SOD+/-): a novel approach to assess the role of oxidative stress for the development of nitrate tolerance. <i>Molecular Pharmacology</i> , 2005 , 68, 579-88	4.3	83
17	Oxidative stress and mitochondrial aldehyde dehydrogenase activity: a comparison of pentaerythritol tetranitrate with other organic nitrates. <i>Molecular Pharmacology</i> , 2004 , 66, 1372-82	4.3	159
16	Measurement of NAD(P)H oxidase-derived superoxide with the luminol analogue L-012. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 101-11	7.8	144
15	Detection of superoxide and peroxynitrite in model systems and mitochondria by the luminol analogue L-012. <i>Free Radical Research</i> , 2004 , 38, 259-69	4	105
14	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. <i>Journal of Clinical Investigation</i> , 2004 , 113, 482-9	15.9	100
13	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. <i>Journal of Clinical Investigation</i> , 2004 , 113, 482-489	15.9	236
12	Specific nitration at tyrosine 430 revealed by high resolution mass spectrometry as basis for redox regulation of bovine prostacyclin synthase. <i>Journal of Biological Chemistry</i> , 2003 , 278, 12813-9	5.4	112
11	Nebivolol prevents vascular NOS III uncoupling in experimental hyperlipidemia and inhibits NADPH oxidase activity in inflammatory cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 615-21	9.4	129
10	Role for peroxynitrite in the inhibition of prostacyclin synthase in nitrate tolerance. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 1826-34	15.1	101
9	A new pitfall in detecting biological end products of nitric oxide-nitration, nitros(yl)ation and nitrite/nitrate artefacts during freezing. <i>Nitric Oxide - Biology and Chemistry</i> , 2003 , 9, 44-52	5	31
8	Does nitric oxide mediate the vasodilator activity of nitroglycerin?. <i>Circulation Research</i> , 2003 , 93, e104-12	15.7	126
7	Stickstoffmonoxid, Superoxid und Peroxynitrit: Radikalchemie im Organismus. <i>Chemie in Unserer Zeit</i> , 2002 , 36, 366-375	0.2	10
6	Oxidation and nitrosation in the nitrogen monoxide/superoxide system. <i>Journal of Biological Chemistry</i> , 2002 , 277, 11882-8	5.4	52
5	Nitration and inactivation of cytochrome P450BM-3 by peroxynitrite. Stopped-flow measurements prove ferryl intermediates. <i>FEBS Journal</i> , 2000 , 267, 6729-39		30
4	Ebselen as a peroxynitrite scavenger in vitro and ex vivo. <i>Biochemical Pharmacology</i> , 2000 , 59, 153-60	6	86
3	Nitration and inactivation of cytochrome P450BM-3 by peroxynitrite . Stopped-flow measurements prove ferryl intermediates. <i>FEBS Journal</i> , 2000 , 267, 6729-6739		11
2	Peroxynitrite reaction with heme proteins. <i>Nitric Oxide - Biology and Chemistry</i> , 1999 , 3, 142-52	5	81
1	New aspects in the reaction mechanism of phenol with peroxynitrite: the role of phenoxy radicals. <i>Nitric Oxide - Biology and Chemistry</i> , 1998 , 2, 259-69	5	46

