

Sebastian Steven

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

3,999
citations

236612

25
h-index

214527

47
g-index

48
all docs

48
docs citations

48
times ranked

5972
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 179, 659-676.	2.7	28
2	Mechanistic Insights into Inorganic Nitrite-Mediated Vasodilation of Isolated Aortic Rings under Oxidative/Hypertensive Conditions and S-Nitros(yl)ation of Proteins in Germ-Free Mice. <i>Biomedicines</i> , 2022, 10, 730.	1.4	1
3	Cerebral consequences of environmental noise exposure. <i>Environment International</i> , 2022, 165, 107306.	4.8	26
4	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.	1.3	28
5	Noise-Induced Vascular Dysfunction, Oxidative Stress, and Inflammation Are Improved by Pharmacological Modulation of the NRF2/HO-1 Axis. <i>Antioxidants</i> , 2021, 10, 625.	2.2	14
6	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.	2.5	23
7	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.	1.3	8
8	GLP-1 Analog Liraglutide Improves Vascular Function in Polymicrobial Sepsis by Reduction of Oxidative Stress and Inflammation. <i>Antioxidants</i> , 2021, 10, 1175.	2.2	18
9	Angiotensin II Induces Oxidative Stress and Endothelial Dysfunction in Mouse Ophthalmic Arteries via Involvement of AT1 Receptors and NOX2. <i>Antioxidants</i> , 2021, 10, 1238.	2.2	21
10	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.	1.2	11
11	Noise and cardiovascular risk: nighttime aircraft noise acutely triggers cardiovascular death. <i>European Heart Journal</i> , 2021, 42, 844-846.	1.0	15
12	Redox Switches in Noise-Induced Cardiovascular and Neuronal Dysregulation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 784910.	1.6	12
13	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.	1.6	4
14	Comparison of three methods for <i>in vivo</i> quantification of glutathione in tissues of hypertensive rats. <i>Free Radical Research</i> , 2021, 55, 1048-1061.	1.5	5
15	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.	1.0	139
16	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.	1.0	13
17	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.	1.1	14
18	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.	1.1	116

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19	Is vaping better than smoking cigarettes?. <i>European Heart Journal</i> , 2020, 41, 2612-2614.	1.0	7
20	Exacerbation of adverse cardiovascular effects of aircraft noise in an animal model of arterial hypertension. <i>Redox Biology</i> , 2020, 34, 101515.	3.9	36
21	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, 388.	2.2	6
22	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.	3.9	63
23	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, 3405.	1.8	27
24	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.	7.6	117
25	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 (NOX2). <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
26	Vascular Inflammation and Oxidative Stress: Major Triggers for Cardiovascular Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-26.	1.9	388
27	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, 514.	2.2	23
28	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.	2.6	82
29	Environmental Noise and the Cardiovascular System. <i>Journal of the American College of Cardiology</i> , 2018, 71, 688-697.	1.2	278
30	Î±1AMPK deletion in myelomonocytic cells induces a pro-inflammatory phenotype and enhances angiotensin II-induced vascular dysfunction. <i>Cardiovascular Research</i> , 2018, 114, 1883-1893.	1.8	22
31	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.	1.0	147
32	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.	2.7	203
33	Targeting vascular (endothelial) dysfunction. <i>British Journal of Pharmacology</i> , 2017, 174, 1591-1619.	2.7	355
34	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.	3.9	242
35	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.	1.0	176
36	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.	3.9	52

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37	The SGLT2 inhibitor empagliflozin improves the primary diabetic complications in ZDF rats. <i>Redox Biology</i> , 2017, 13, 370-385.	3.9	208
38	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.	2.7	66
39	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, 2176.	1.8	27
40	Nitroglycerin induces DNA damage and vascular cell death in the setting of nitrate tolerance. <i>Basic Research in Cardiology</i> , 2016, 111, 52.	2.5	14
41	Cliptin 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.	2.5	84
42	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.	1.1	222
43	Inflammatory Monocytes Determine Endothelial Nitric-oxide Synthase Uncoupling and Nitro-oxidative Stress Induced by Angiotensin II. <i>Journal of Biological Chemistry</i> , 2014, 289, 27540-27550.	1.6	96
44	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, 247-266.	2.5	203
45	Is At Least One Vitamin Helping Our Vasculature?. <i>Hypertension</i> , 2014, 64, 1187-1188.	1.3	8
46	Glutathione Peroxidase-1 Deficiency Potentiates Dysregulatory Modifications of Endothelial Nitric Oxide Synthase and Vascular Dysfunction in Aging. <i>Hypertension</i> , 2014, 63, 390-396.	1.3	116
47	Vascular Dysfunction in Experimental Diabetes Is Improved by Pentaerythrityl Tetranitrate but Not Isosorbide-5-Mononitrate Therapy. <i>Diabetes</i> , 2011, 60, 2608-2616.	0.3	86
48	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, 186-195.	0.9	148