

# Mattias Carlstrom

## List of Publications by Year in descending order

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143  
papers

5,083  
citations

109264

35  
h-index

106281

65  
g-index

171  
all docs

171  
docs citations

171  
times ranked

5450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Renal Autoregulation in Health and Disease. <i>Physiological Reviews</i> , 2015, 95, 405-511.	13.1	348
2	Dietary inorganic nitrate reverses features of metabolic syndrome in endothelial nitric oxide synthase-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17716-17720.	3.3	316
3	Roles of dietary inorganic nitrate in cardiovascular health and disease. <i>Cardiovascular Research</i> , 2011, 89, 525-532.	1.8	268
4	Metabolic Effects of Dietary Nitrate in Health and Disease. <i>Cell Metabolism</i> , 2018, 28, 9-22.	7.2	242
5	Dietary nitrate attenuates oxidative stress, prevents cardiac and renal injuries, and reduces blood pressure in salt-induced hypertension. <i>Cardiovascular Research</i> , 2011, 89, 574-585.	1.8	216
6	Gastroprotective and blood pressure lowering effects of dietary nitrate are abolished by an antiseptic mouthwash. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1068-1075.	1.3	200
7	Microbial regulation of host hydrogen sulfide bioavailability and metabolism. <i>Free Radical Biology and Medicine</i> , 2013, 60, 195-200.	1.3	151
8	Coffee consumption and reduced risk of developing type 2 diabetes: a systematic review with meta-analysis. <i>Nutrition Reviews</i> , 2018, 76, 395-417.	2.6	144
9	Aspirin-triggered resolvin D1 prevents surgery-induced cognitive decline. <i>FASEB Journal</i> , 2013, 27, 3564-3571.	0.2	126
10	Nitric oxide signalling in kidney regulation and cardiometabolic health. <i>Nature Reviews Nephrology</i> , 2021, 17, 575-590.	4.1	104
11	Cross-talk Between Nitrate-Nitrite-NO and NO Synthase Pathways in Control of Vascular NO Homeostasis. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 295-306.	2.5	90
12	NADPH Oxidase in the Renal Microvasculature Is a Primary Target for Blood Pressure-Lowering Effects by Inorganic Nitrate and Nitrite. <i>Hypertension</i> , 2015, 65, 161-170.	1.3	83
13	Maresin 1 attenuates neuroinflammation in a mouse model of perioperative neurocognitive disorders. <i>British Journal of Anaesthesia</i> , 2019, 122, 350-360.	1.5	83
14	Blood Pressure-Lowering Effect of Orally Ingested Nitrite Is Abolished by a Proton Pump Inhibitor. <i>Hypertension</i> , 2017, 69, 23-31.	1.3	74
15	Inorganic nitrite attenuates NADPH oxidase-derived superoxide generation in activated macrophages via a nitric oxide-dependent mechanism. <i>Free Radical Biology and Medicine</i> , 2015, 83, 159-166.	1.3	69
16	AMP-activated protein kinase activation and NADPH oxidase inhibition by inorganic nitrate and nitrite prevent liver steatosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 217-226.	3.3	68
17	Dietary nitrate improves age-related hypertension and metabolic abnormalities in rats via modulation of angiotensin II receptor signaling and inhibition of superoxide generation. <i>Free Radical Biology and Medicine</i> , 2016, 99, 87-98.	1.3	67
18	Superoxide Dismutase 1 Limits Renal Microvascular Remodeling and Attenuates Arteriole and Blood Pressure Responses to Angiotensin II via Modulation of Nitric Oxide Bioavailability. <i>Hypertension</i> , 2010, 56, 907-913.	1.3	66

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19	Effects of long-term nitrate supplementation on carbohydrate metabolism, lipid profiles, oxidative stress, and inflammation in male obese type 2 diabetic rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 75, 27-41.	1.2	66
20	Profound differences between humans and rodents in the ability to concentrate salivary nitrate: Implications for translational research. <i>Redox Biology</i> , 2016, 10, 206-210.	3.9	65
21	Mechanisms underlying blood pressure reduction by dietary inorganic nitrate. <i>Acta Physiologica</i> , 2018, 224, e13080.	1.8	65
22	Pharmacological targeting of adenosine receptor signaling. <i>Molecular Aspects of Medicine</i> , 2017, 55, 4-8.	2.7	63
23	Therapeutic value of stimulating the nitrateâ€œnitriteâ€œnitric oxide pathway to attenuate oxidative stress and restore nitric oxide bioavailability in cardiorenal disease. <i>Journal of Internal Medicine</i> , 2019, 285, 2-18.	2.7	63
24	Enhanced XOR activity in eNOS-deficient mice. <i>Free Radical Biology and Medicine</i> , 2016, 99, 472-484.	1.3	60
25	Role of NOX2 in the regulation of afferent arteriole responsiveness. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R72-R79.	0.9	58
26	Dietary nitrate attenuates renal ischemia-reperfusion injuries by modulation of immune responses and reduction of oxidative stress. <i>Redox Biology</i> , 2017, 13, 320-330.	3.9	57
27	Effects of long-term dietary nitrate supplementation in mice. <i>Redox Biology</i> , 2015, 5, 234-242.	3.9	54
28	Uninephrectomy in Young Age or Chronic Salt Loading Causes Salt-Sensitive Hypertension in Adult Rats. <i>Hypertension</i> , 2007, 49, 1342-1350.	1.3	50
29	p47 <sup>phox</sup> Is Required for Afferent Arteriolar Contractile Responses to Angiotensin II and Perfusion Pressure in Mice. <i>Hypertension</i> , 2012, 59, 415-420.	1.3	45
30	Hemoglobin Î²93 Cysteine Is Not Required for Export of Nitric Oxide Bioactivity From the Red Blood Cell. <i>Circulation</i> , 2019, 139, 2654-2663.	1.6	42
31	In adenosine A2B knockouts acute treatment with inorganic nitrate improves glucose disposal, oxidative stress, and AMPK signaling in the liver. <i>Frontiers in Physiology</i> , 2015, 6, 222.	1.3	39
32	Abrogation of adenosine A1 receptor signalling improves metabolic regulation in mice by modulating oxidative stress and inflammatory responses. <i>Diabetologia</i> , 2015, 58, 1610-1620.	2.9	38
33	Adenosine signaling in diabetes mellitus and associated cardiovascular and renal complications. <i>Molecular Aspects of Medicine</i> , 2017, 55, 62-74.	2.7	38
34	Nitrite-mediated reduction of macrophage NADPH oxidase activity is dependent on xanthine oxidoreductase-derived nitric oxide but independent of S-nitrosation. <i>Redox Biology</i> , 2016, 10, 119-127.	3.9	37
35	Hydronephrosis causes salt-sensitive hypertension in rats. <i>Journal of Hypertension</i> , 2006, 24, 1437-1443.	0.3	36
36	The G-protein coupled receptor ChemR23 determines smooth muscle cell phenotypic switching to enhance high phosphate-induced vascular calcification. <i>Cardiovascular Research</i> , 2019, 115, 1557-1566.	1.8	35

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37	High-protein-induced glomerular hyperfiltration is independent of the tubuloglomerular feedback mechanism and nitric oxide synthases. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1263-R1268.	0.9	33
38	A randomized clinical trial of the effects of leafy green vegetables and inorganic nitrate on blood pressure. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 749-756.	2.2	32
39	Role of nitric oxide deficiency in the development of hypertension in hydronephrotic animals. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F362-F370.	1.3	31
40	SOD1 deficiency causes salt sensitivity and aggravates hypertension in hydronephrosis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R82-R92.	0.9	31
41	Adenosine A2A receptor activation attenuates tubuloglomerular feedback responses by stimulation of endothelial nitric oxide synthase. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F457-F464.	1.3	31
42	Maternal androgen excess induces cardiac hypertrophy and left ventricular dysfunction in female mice offspring. <i>Cardiovascular Research</i> , 2020, 116, 619-632.	1.8	29
43	Mangiferin Ameliorates Hyperuricemic Nephropathy Which Is Associated With Downregulation of AQP2 and Increased Urinary Uric Acid Excretion. <i>Frontiers in Pharmacology</i> , 2020, 11, 49.	1.6	29
44	Modulation of mitochondria and NADPH oxidase function by the nitrate-nitrite-NO pathway in metabolic disease with focus on type 2 diabetes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165811.	1.8	29
45	Secondary ossification center induces and protects growth plate structure. <i>ELife</i> , 2020, 9, .	2.8	29
46	Nitrite-mediated renal vasodilatation is increased during ischemic conditions via cGMP-independent signaling. <i>Free Radical Biology and Medicine</i> , 2015, 84, 154-160.	1.3	28
47	Dietary nitrate attenuates high-fat diet-induced obesity via mechanisms involving higher adipocyte respiration and alterations in inflammatory status. <i>Redox Biology</i> , 2020, 28, 101387.	3.9	28
48	Adenosine A2 receptors modulate tubuloglomerular feedback. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, F412-F417.	1.3	27
49	Rats with adenine-induced chronic renal failure develop low-renin, salt-sensitive hypertension and increased aortic stiffness. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R744-R752.	0.9	27
50	Association between Dietary Intakes of Nitrate and Nitrite and the Risk of Hypertension and Chronic Kidney Disease: Tehran Lipid and Glucose Study. <i>Nutrients</i> , 2016, 8, 811.	1.7	27
51	Dietary Nitrate Reduces Blood Pressure in Rats With Angiotensin II-Induced Hypertension via Mechanisms That Involve Reduction of Sympathetic Hyperactivity. <i>Hypertension</i> , 2019, 73, 839-848.	1.3	26
52	L-arginine or tempol supplementation improves renal and cardiovascular function in rats with reduced renal mass and chronic high salt intake. <i>Acta Physiologica</i> , 2013, 207, 732-741.	1.8	25
53	Genetic Abrogation of Adenosine A <sub>3</sub> Receptor Prevents Uninephrectomy and High Salt-Induced Hypertension. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	25
54	Dual Influence of Endocannabinoids on Long-Term Potentiation of Synaptic Transmission. <i>Frontiers in Pharmacology</i> , 2017, 8, 921.	1.6	25

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55	Long-term effects of coffee and caffeine intake on the risk of pre-diabetes and type 2 diabetes: Findings from a population with low coffee consumption. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018, 28, 1261-1266.	1.1	25
56	Nitric oxide: To be or not to be an endocrine hormone?. <i>Acta Physiologica</i> , 2020, 229, e13443.	1.8	25
57	Germ-free mice are not protected against diet-induced obesity and metabolic dysfunction. <i>Acta Physiologica</i> , 2021, 231, e13581.	1.8	24
58	Adenosine A <sub>1</sub> -receptor deficiency diminishes afferent arteriolar and blood pressure responses during nitric oxide inhibition and angiotensin II treatment. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1669-R1681.	0.9	23
59	Interactions between adenosine, angiotensin II and nitric oxide on the afferent arteriole influence sensitivity of the tubuloglomerular feedback. <i>Frontiers in Physiology</i> , 2013, 4, 187.	1.3	23
60	Adenosine A <sub>1</sub> receptor activates background potassium channels and modulates information processing in olfactory bulb mitral cells. <i>Journal of Physiology</i> , 2018, 596, 717-733.	1.3	23
61	The obligatory role of host microbiota in bioactivation of dietary nitrate. <i>Free Radical Biology and Medicine</i> , 2019, 145, 342-348.	1.3	23
62	Low Plasma Sodium Concentration Predicts Perforated Acute Appendicitis in Children: A Prospective Diagnostic Accuracy Study. <i>European Journal of Pediatric Surgery</i> , 2020, 30, 350-356.	0.7	23
63	Hydronephrosis causes salt-sensitive hypertension and impaired renal concentrating ability in mice. <i>Acta Physiologica</i> , 2007, 189, 293-301.	1.8	22
64	Neuronal Nitric Oxide Synthase-Deficient Mice Have Impaired Renin Release But Normal Blood Pressure. <i>American Journal of Hypertension</i> , 2008, 21, 111-116.	1.0	21
65	Microbiota, diet and the generation of reactive nitrogen compounds. <i>Free Radical Biology and Medicine</i> , 2020, 161, 321-325.	1.3	21
66	Causal link between neonatal hydronephrosis and later development of hypertension. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, e14-23.	0.9	20
67	Head-to-head comparison of inorganic nitrate and metformin in a mouse model of cardiometabolic disease. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 97, 48-56.	1.2	20
68	Relief of chronic partial ureteral obstruction attenuates salt-sensitive hypertension in rats. <i>Acta Physiologica</i> , 2007, 189, 67-75.	1.8	19
69	Dose-Dependent Effects of Long-Term Administration of Hydrogen Sulfide on Myocardial Ischemia-Reperfusion Injury in Male Wistar Rats: Modulation of RKIP, NF- $\kappa$ B, and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1415.	1.8	19
70	Angiogenesis inhibition causes hypertension and placental dysfunction in a rat model of preeclampsia. <i>Journal of Hypertension</i> , 2009, 27, 829-837.	0.3	18
71	Vitamin C intake modify the impact of dietary nitrite on the incidence of type 2 diabetes: A 6-year follow-up in Tehran Lipid and Glucose Study. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 62, 24-31.	1.2	18
72	Important Role of NAD(P)H Oxidase 2 in the Regulation of the Tubuloglomerular Feedback. <i>Hypertension</i> , 2009, 53, 456-457.	1.3	17

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73	Coffee consumption and gout: a Mendelian randomisation study. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1544-1546.	0.5	17
74	Impaired EphA4 signaling leads to congenital hydronephrosis, renal injury, and hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F71-F79.	1.3	16
75	Identification and function of adenosine A <sub>3</sub> receptor in afferent arterioles. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F1020-F1025.	1.3	16
76	Cyclophilin D, a target for counteracting skeletal muscle dysfunction in mitochondrial myopathy. <i>Human Molecular Genetics</i> , 2015, 24, 6580-6587.	1.4	16
77	Nitric oxide generation by the organic nitrate NDBP attenuates oxidative stress and angiotensin II-mediated hypertension. <i>British Journal of Pharmacology</i> , 2016, 173, 2290-2302.	2.7	16
78	Renal denervation attenuates hypertension and renal dysfunction in a model of cardiovascular and renal disease, which is associated with reduced NADPH and xanthine oxidase activity. <i>Redox Biology</i> , 2017, 13, 522-527.	3.9	16
79	Mice exposed to maternal androgen excess and diet-induced obesity have altered phosphorylation of catechol-O-methyltransferase in the placenta and fetal liver. <i>International Journal of Obesity</i> , 2019, 43, 2176-2188.	1.6	16
80	Renal denervation attenuates NADPH oxidase-mediated oxidative stress and hypertension in rats with hydronephrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F43-F56.	1.3	15
81	Organ uptake and release of inorganic nitrate and nitrite in the pig. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 75, 16-26.	1.2	15
82	Hydrogen sulfide potentiates the favorable metabolic effects of inorganic nitrite in type 2 diabetic rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 92, 60-72.	1.2	15
83	Resveratrol and grape juice: Effects on redox status and nitric oxide production of endothelial cells in in vitro preeclampsia model. <i>Pregnancy Hypertension</i> , 2021, 23, 205-210.	0.6	14
84	Genetic ablation of adenosine receptor A3 results in articular cartilage degeneration. <i>Journal of Molecular Medicine</i> , 2018, 96, 1049-1060.	1.7	13
85	Dietary nitrite extends lifespan and prevents age-related locomotor decline in the fruit fly. <i>Free Radical Biology and Medicine</i> , 2020, 160, 860-870.	1.3	13
86	Renovascular effects of inorganic nitrate following ischemia-reperfusion of the kidney. <i>Redox Biology</i> , 2021, 39, 101836.	3.9	13
87	Synthesis and characterization of a novel organic nitrate NDHP: Role of xanthine oxidoreductase-mediated nitric oxide formation. <i>Redox Biology</i> , 2017, 13, 163-169.	3.9	12
88	The novel organic mononitrate NDHP attenuates hypertension and endothelial dysfunction in hypertensive rats. <i>Redox Biology</i> , 2018, 15, 182-191.	3.9	12
89	Fibroblast Growth Factor Binding Protein 3 (FGFBP3) impacts carbohydrate and lipid metabolism. <i>Scientific Reports</i> , 2018, 8, 15973.	1.6	12
90	Hydronephrosis and risk of later development of hypertension. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 50-57.	0.7	12

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91	Effect of spironolactone for 1 yr on endothelial function and vascular inflammation biomarkers in renal transplant recipients. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F529-F539.	1.3	12
92	Effects of inorganic nitrate supplementation on cardiovascular function and exercise tolerance in heart failure. <i>Journal of Applied Physiology</i> , 2021, 130, 914-922.	1.2	12
93	Nitric Oxide Deficiency and Increased Adenosine Response of Afferent Arterioles in Hydronephrotic Mice With Hypertension. <i>Hypertension</i> , 2008, 51, 1386-1392.	1.3	11
94	Angiotensin II enhances the afferent arteriolar response to adenosine through increases in cytosolic calcium. <i>Acta Physiologica</i> , 2009, 196, 435-445.	1.8	11
95	Surgical treatment reduces blood pressure in children with unilateral congenital hydronephrosis. <i>Journal of Pediatric Urology</i> , 2015, 11, 91.e1-91.e6.	0.6	11
96	Tubuloglomerular feedback response in the prenatal and postnatal ovine kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F1368-F1374.	1.3	10
97	Therapeutic value of renal denervation in cardiovascular disease?. <i>Acta Physiologica</i> , 2017, 220, 11-13.	1.8	10
98	Exercise differentially affects metabolic functions and white adipose tissue in female letrozole- and dihydrotestosterone-induced mouse models of polycystic ovary syndrome. <i>Molecular and Cellular Endocrinology</i> , 2017, 448, 66-76.	1.6	10
99	Hypoxia/Reoxygenation of Rat Renal Arteries Impairs Vasorelaxation via Modulation of Endothelium-Independent sGC/cGMP/PKG Signaling. <i>Frontiers in Physiology</i> , 2018, 9, 480.	1.3	10
100	Red blood cells from patients with pre-eclampsia induce endothelial dysfunction. <i>Journal of Hypertension</i> , 2021, 39, 1628-1641.	0.3	10
101	Inorganic nitrate and nitrite ameliorate kidney fibrosis by restoring lipid metabolism via dual regulation of AMP-activated protein kinase and the AKT-PGC1 $\beta$ pathway. <i>Redox Biology</i> , 2022, 51, 102266.	3.9	10
102	Mechanisms of neonatal increase in glomerular filtration rate. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R916-R921.	0.9	9
103	Plasma nitrate/nitrite removal by peritoneal dialysis might predispose infants with low blood pressure to cerebral ischaemia. <i>CJK: Clinical Kidney Journal</i> , 2015, 8, 215-218.	1.4	9
104	Circulating markers of nitric oxide homeostasis and cardiometabolic diseases: insights from population-based studies. <i>Free Radical Research</i> , 2019, 53, 359-376.	1.5	9
105	Diadenosine pentaphosphate modulates glomerular arteriolar tone and glomerular filtration rate. <i>Acta Physiologica</i> , 2015, 213, 285-293.	1.8	8
106	Peritoneal dialysis impairs nitric oxide homeostasis and may predispose infants with low systolic blood pressure to cerebral ischemia. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 58, 1-9.	1.2	8
107	Protective effect of intermediate doses of hydrogen sulfide against myocardial ischemia-reperfusion injury in obese type 2 diabetic rats. <i>Life Sciences</i> , 2020, 256, 117855.	2.0	8
108	Renal handling of nitrate in women and men with elevated blood pressure. <i>Acta Physiologica</i> , 2021, 232, e13637.	1.8	8

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109	Inorganic nitrate: A potential prebiotic for oral microbiota dysbiosis associated with type 2 diabetes. Nitric Oxide - Biology and Chemistry, 2021, 116, 38-46.	1.2	8
110	Effects of chronic dietary nitrate supplementation on longevity, vascular function and cancer incidence in rats. Redox Biology, 2021, 48, 102209.	3.9	8
111	Adenosine A <sub>1</sub> receptor-dependent and independent pathways in modulating renal vascular responses to angiotensin II. Acta Physiologica, 2015, 213, 268-276.	1.8	7
112	Renal purinergic signalling in health and disease. Acta Physiologica, 2015, 213, 805-807.	1.8	7
113	Effect of nitric oxide on renal autoregulation during hypothermia in the rat. Pflugers Archiv European Journal of Physiology, 2017, 469, 669-680.	1.3	7
114	Plasma Nitrate and Nitrite Kinetics after Single Intake of Beetroot Juice in Adult Patients on Chronic Hemodialysis and in Healthy Volunteers: A Randomized, Single-Blind, Placebo-Controlled, Crossover Study. Nutrients, 2022, 14, 2480.	1.7	7
115	Changes in arterial pressure and markers of nitric oxide homeostasis and oxidative stress following surgical correction of hydronephrosis in children. Pediatric Nephrology, 2018, 33, 639-649.	0.9	6
116	Effects of inorganic nitrate in a rat model of monocrotaline-induced pulmonary arterial hypertension. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 99-109.	1.2	6
117	Removal of nitrate and nitrite by hemodialysis in end-stage renal disease and by sustained low-efficiency dialysis in acute kidney injury. Nitric Oxide - Biology and Chemistry, 2020, 98, 33-40.	1.2	6
118	Different Pharmacokinetic Responses to an Acute Dose of Inorganic Nitrate in Patients with Type 2 Diabetes. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2021, 21, 878-886.	0.6	6
119	Total antioxidant capacity of the diet modulates the association between habitual nitrate intake and cardiovascular events: A longitudinal follow-up in Tehran Lipid and Glucose Study. Nutrition and Metabolism, 2018, 15, 19.	1.3	5
120	Hydronephrosis is associated with elevated plasmin in urine in pediatric patients and rats and changes in NCC and ENaC abundance in rat kidney. American Journal of Physiology - Renal Physiology, 2018, 315, F547-F557.	1.3	5
121	Long-term co-administration of sodium nitrite and sodium hydrosulfide inhibits hepatic gluconeogenesis in male type 2 diabetic rats: Role of PI3K-Akt-eNOS pathway. Life Sciences, 2021, 265, 118770.	2.0	5
122	Seasonal variation may affect clinical diagnosis of metabolic syndrome. Hypertension Research, 2010, 33, 531-533.	1.5	4
123	The Other Glucose Transporter, SGLT1 – Also a Potential Trouble Maker in Diabetes?. Journal of the American Society of Nephrology: JASN, 2019, 30, 519-521.	3.0	4
124	The new organic nitrate 2-nitrate-1,3-diocthanoxypropan (NDOP) induces nitric oxide production and vasorelaxation via activation of inward-rectifier potassium channels (KIR). Nitric Oxide - Biology and Chemistry, 2020, 104-105, 61-69.	1.2	4
125	Hydrogen sulfide potentiates the protective effects of nitrite against myocardial ischemia-reperfusion injury in type 2 diabetic rats. Nitric Oxide - Biology and Chemistry, 2022, 124, 15-23.	1.2	4
126	Seasonal Variation in Metabolic Syndrome Components: How Much Do They Influence the Diagnosis of Metabolic Syndrome?. Current Cardiovascular Risk Reports, 2011, 5, 29-37.	0.8	3



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127	Letter by Carlström and Lundberg Regarding Article, "SIRT3-AMP-Activated Protein Kinase Activation by Nitrite and Metformin Improves Hyperglycemia and Normalizes Pulmonary Hypertension Associated With Heart Failure With Preserved Ejection Fraction". <i>Circulation</i> , 2016, 134, e77-8.	1.6	3
128	Changes of arterial pressure following relief of obstruction in adults with hydronephrosis. <i>Upsala Journal of Medical Sciences</i> , 2018, 123, 216-224.	0.4	3
129	Mechanisms underlying the effects of renal denervation in renovascular hypertension. <i>Hypertension Research</i> , 2019, 42, 754-757.	1.5	3
130	Sodium and water homeostasis in children admitted with acute appendicitis: a prospective study. <i>Pediatric Research</i> , 2019, 86, 5-8.	1.1	3
131	Extravasal albumin concentration modulates contractile responses of renal afferent arterioles. <i>Acta Physiologica</i> , 2018, 222, e12925.	1.8	2
132	Monocytes from preeclamptic women previously treated with silibinin attenuate oxidative stress in human endothelial cells. <i>Hypertension in Pregnancy</i> , 2021, 40, 124-132.	0.5	2
133	Different profiles of circulating arginase 2 in subtypes of preeclampsia pregnant women. <i>Clinical Biochemistry</i> , 2021, 92, 25-33.	0.8	2
134	Response to Sex of the Animal Impacts Responses to Angiotensin II, Oxidative Stress Levels, and Nitric Oxide Bioavailability. <i>Hypertension</i> , 2011, 57, .	1.3	1
135	miR-27a in Extracellular Vesicles: Is It a Novel Modulator of Hypertension?. <i>American Journal of Hypertension</i> , 2020, 33, 21-22.	1.0	1
136	Effects of vitamin D-induced supernatant of placental explants from preeclamptic women on oxidative stress and nitric oxide bioavailability in human umbilical vein endothelial cells. <i>Brazilian Journal of Medical and Biological Research</i> , 2021, 54, e11073.	0.7	1
137	Cardiovascular characterization of the novel organic mononitrate NDIBP in rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, 119, 50-60.	1.2	1
138	265 Tricuspid Regurgitation and Surgical Technique Influences Outcome after Heart Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2012, 31, S96.	0.3	0
139	Erik Persson (1941–2020) – a Remembrance. <i>Acta Physiologica</i> , 2020, 230, 1-2.	1.8	0
140	SOD1 deficiency causes salt sensitivity and aggravates hypertension in hydronephrosis. <i>FASEB Journal</i> , 2009, 23, 803.11.	0.2	0
141	Inorganic nitrite attenuates Ang II-mediated contraction of renal arterioles via xanthine oxidase-dependent generation of nitric oxide. <i>FASEB Journal</i> , 2011, 25, .	0.2	0
142	Adenosine A1 receptors enhance renal afferent arteriole contractile responses to Ang II and L-NAME. <i>FASEB Journal</i> , 2011, 25, 665.10.	0.2	0
143	Role of Adenosine A1 Receptors in Regulation of Arteriolar Responses to Adenosine and Angiotensin II. <i>FASEB Journal</i> , 2012, 26, 690.3.	0.2	0