

# Mattias Carlstrom

## List of Publications by Citations

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134  
papers

3,733  
citations

31  
h-index

56  
g-index

171  
ext. papers

4,474  
ext. citations

6.3  
avg, IF

5.93  
L-index

#	Paper	IF	Citations
134	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> , <b>2010</b> , 107, 17716-20	11.5	263
133	Renal autoregulation in health and disease. <i>Physiological Reviews</i> , <b>2015</b> , 95, 405-511	47.9	256
132	Roles of dietary inorganic nitrate in cardiovascular health and disease. <i>Cardiovascular Research</i> , <b>2011</b> , 89, 525-32	9.9	220
131	Dietary nitrate attenuates oxidative stress, prevents cardiac and renal injuries, and reduces blood pressure in salt-induced hypertension. <i>Cardiovascular Research</i> , <b>2011</b> , 89, 574-85	9.9	184
130	Gastroprotective and blood pressure lowering effects of dietary nitrate are abolished by an antiseptic mouthwash. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 46, 1068-75	7.8	175
129	Metabolic Effects of Dietary Nitrate in Health and Disease. <i>Cell Metabolism</i> , <b>2018</b> , 28, 9-22	24.6	139
128	Microbial regulation of host hydrogen sulfide bioavailability and metabolism. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 60, 195-200	7.8	114
127	Aspirin-triggered resolvin D1 prevents surgery-induced cognitive decline. <i>FASEB Journal</i> , <b>2013</b> , 27, 3564-71	7.4	105
126	Coffee consumption and reduced risk of developing type 2 diabetes: a systematic review with meta-analysis. <i>Nutrition Reviews</i> , <b>2018</b> , 76, 395-417	6.4	90
125	Cross-talk Between Nitrate-Nitrite-NO and NO Synthase Pathways in Control of Vascular NO Homeostasis. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 295-306	8.4	73
124	NADPH oxidase in the renal microvasculature is a primary target for blood pressure-lowering effects by inorganic nitrate and nitrite. <i>Hypertension</i> , <b>2015</b> , 65, 161-70	8.5	71
123	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> , <b>2010</b> , 56, 907-13	8.5	61
122	Blood Pressure-Lowering Effect of Orally Ingested Nitrite Is Abolished by a Proton Pump Inhibitor. <i>Hypertension</i> , <b>2017</b> , 69, 23-31	8.5	59
121	Inorganic nitrite attenuates NADPH oxidase-derived superoxide generation in activated macrophages via a nitric oxide-dependent mechanism. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 83, 159-66	7.8	59
120	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> , <b>2016</b> , 99, 87-98	7.8	57
119	Role of NOX2 in the regulation of afferent arteriole responsiveness. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2009</b> , 296, R72-9	3.2	51
118	Uninephrectomy in young age or chronic salt loading causes salt-sensitive hypertension in adult rats. <i>Hypertension</i> , <b>2007</b> , 49, 1342-50	8.5	49

117	Enhanced XOR activity in eNOS-deficient mice: Effects on the nitrate-nitrite-NO pathway and ROS homeostasis. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 99, 472-484	7.8	48
116	Maresin 1 attenuates neuroinflammation in a mouse model of perioperative neurocognitive disorders. <i>British Journal of Anaesthesia</i> , <b>2019</b> , 122, 350-360	5.4	47
115	Effects of long-term dietary nitrate supplementation in mice. <i>Redox Biology</i> , <b>2015</b> , 5, 234-242	11.3	47
114	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> , <b>2018</b> , 75, 27-41	5	47
113	Profound differences between humans and rodents in the ability to concentrate salivary nitrate: Implications for translational research. <i>Redox Biology</i> , <b>2016</b> , 10, 206-210	11.3	47
112	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> , <b>2019</b> , 116, 217-226	11.5	46
111	Pharmacological targeting of adenosine receptor signaling. <i>Molecular Aspects of Medicine</i> , <b>2017</b> , 55, 4-8	16.7	43
110	Dietary nitrate attenuates renal ischemia-reperfusion injuries by modulation of immune responses and reduction of oxidative stress. <i>Redox Biology</i> , <b>2017</b> , 13, 320-330	11.3	43
109	p47(phox) is required for afferent arteriolar contractile responses to angiotensin II and perfusion pressure in mice. <i>Hypertension</i> , <b>2012</b> , 59, 415-20	8.5	42
108	Mechanisms underlying blood pressure reduction by dietary inorganic nitrate. <i>Acta Physiologica</i> , <b>2018</b> , 224, e13080	5.6	39
107	Therapeutic value of stimulating the nitrate-nitrite-nitric oxide pathway to attenuate oxidative stress and restore nitric oxide bioavailability in cardiorenal disease. <i>Journal of Internal Medicine</i> , <b>2019</b> , 285, 2-18	10.8	38
106	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> , <b>2015</b> , 6, 222	4.6	33
105	Hydronephrosis causes salt-sensitive hypertension in rats. <i>Journal of Hypertension</i> , <b>2006</b> , 24, 1437-43	1.9	33
104	Abrogation of adenosine A1 receptor signalling improves metabolic regulation in mice by modulating oxidative stress and inflammatory responses. <i>Diabetologia</i> , <b>2015</b> , 58, 1610-20	10.3	31
103	Role of nitric oxide deficiency in the development of hypertension in hydronephrotic animals. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 294, F362-70	4.3	31
102	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> , <b>2016</b> , 10, 119-127	11.3	30
101	SOD1 deficiency causes salt sensitivity and aggravates hypertension in hydronephrosis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2009</b> , 297, R82-92	3.2	29
100	Adenosine A2A receptor activation attenuates tubuloglomerular feedback responses by stimulation of endothelial nitric oxide synthase. <i>American Journal of Physiology - Renal Physiology</i> , <b>2011</b> , 300, F457-64	4.3	29

99	Adenosine signaling in diabetes mellitus and associated cardiovascular and renal complications. <i>Molecular Aspects of Medicine</i> , <b>2017</b> , 55, 62-74	16.7	28
98	Nitrite-mediated renal vasodilatation is increased during ischemic conditions via cGMP-independent signaling. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 84, 154-160	7.8	26
97	Adenosine A(2) receptors modulate tubuloglomerular feedback. <i>American Journal of Physiology - Renal Physiology</i> , <b>2010</b> , 299, F412-7	4.3	25
96	The G-protein coupled receptor ChemR23 determines smooth muscle cell phenotypic switching to enhance high phosphate-induced vascular calcification. <i>Cardiovascular Research</i> , <b>2019</b> , 115, 1557-1566	9.9	24
95	Hemoglobin $\beta$ 3 Cysteine Is Not Required for Export of Nitric Oxide Bioactivity From the Red Blood Cell. <i>Circulation</i> , <b>2019</b> , 139, 2654-2663	16.7	23
94	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> , <b>2013</b> , 207, 732-41	5.6	23
93	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> , <b>2016</b> , 8,	6.7	22
92	Genetic Abrogation of Adenosine A3 Receptor Prevents Uninephrectomy and High Salt-Induced Hypertension. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	22
91	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> , <b>2013</b> , 304, R744-52	3.2	21
90	Adenosine A $\beta$ 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> , <b>2011</b> , 301, R1669-81	3.2	21
89	Hydronephrosis causes salt-sensitive hypertension and impaired renal concentrating ability in mice. <i>Acta Physiologica</i> , <b>2007</b> , 189, 293-301	5.6	21
88	Nitric oxide signalling in kidney regulation and cardiometabolic health. <i>Nature Reviews Nephrology</i> , <b>2021</b> , 17, 575-590	14.9	21
87	Dual Influence of Endocannabinoids on Long-Term Potentiation of Synaptic Transmission. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 921	5.6	19
86	Interactions between adenosine, angiotensin II and nitric oxide on the afferent arteriole influence sensitivity of the tubuloglomerular feedback. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 187	4.6	19
85	Dietary Nitrate Reduces Blood Pressure in Rats With Angiotensin II-Induced Hypertension via Mechanisms That Involve Reduction of Sympathetic Hyperactivity. <i>Hypertension</i> , <b>2019</b> , 73, 839-848	8.5	19
84	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> , <b>2010</b> , 299, R1263-8	3.2	18
83	Neuronal nitric oxide synthase-deficient mice have impaired renin release but normal blood pressure. <i>American Journal of Hypertension</i> , <b>2008</b> , 21, 111-6	2.3	18
82	A randomized clinical trial of the effects of leafy green vegetables and inorganic nitrate on blood pressure. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 111, 749-756	7	17

81	Causal link between neonatal hydronephrosis and later development of hypertension. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2010</b> , 37, e14-23	3	17
80	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> , <b>2018</b> , 28, 1261-1266	4.5	17
79	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> , <b>2020</b> , 21,	6.3	16
78	Relief of chronic partial ureteral obstruction attenuates salt-sensitive hypertension in rats. <i>Acta Physiologica</i> , <b>2007</b> , 189, 67-75	5.6	16
77	Dietary nitrate attenuates high-fat diet-induced obesity via mechanisms involving higher adipocyte respiration and alterations in inflammatory status. <i>Redox Biology</i> , <b>2020</b> , 28, 101387	11.3	16
76	The obligatory role of host microbiota in bioactivation of dietary nitrate. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 145, 342-348	7.8	15
75	Hydrogen sulfide potentiates the favorable metabolic effects of inorganic nitrite in type 2 diabetic rats. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2019</b> , 92, 60-72	5	14
74	Coffee consumption and gout: a Mendelian randomisation study. <i>Annals of the Rheumatic Diseases</i> , <b>2018</b> , 77, 1544-1546	2.4	14
73	Impaired EphA4 signaling leads to congenital hydronephrosis, renal injury, and hypertension. <i>American Journal of Physiology - Renal Physiology</i> , <b>2013</b> , 305, F71-9	4.3	14
72	Nitric oxide generation by the organic nitrate NDBP attenuates oxidative stress and angiotensin II-mediated hypertension. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 2290-302	8.6	14
71	Maternal androgen excess induces cardiac hypertrophy and left ventricular dysfunction in female mice offspring. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 619-632	9.9	14
70	Mangiferin Ameliorates Hyperuricemic Nephropathy Which Is Associated With Downregulation of AQP2 and Increased Urinary Uric Acid Excretion. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 49	5.6	13
69	Nitric oxide: To be or not to be an endocrine hormone?. <i>Acta Physiologica</i> , <b>2020</b> , 229, e13443	5.6	13
68	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> , <b>2020</b> , 1866, 165811	6.9	13
67	Adenosine A receptor activates background potassium channels and modulates information processing in olfactory bulb mitral cells. <i>Journal of Physiology</i> , <b>2018</b> , 596, 717-733	3.9	13
66	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> , <b>2017</b> , 13, 522-527	11.3	13
65	Identification and function of adenosine A3 receptor in afferent arterioles. <i>American Journal of Physiology - Renal Physiology</i> , <b>2015</b> , 308, F1020-5	4.3	13
64	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> , <b>2017</b> , 62, 24-31	5	12

63	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> , <b>2019</b> , 43, 2176-2188	5.5	12
62	Organ uptake and release of inorganic nitrate and nitrite in the pig. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2018</b> , 75, 16-26	5	12
61	Renal denervation attenuates NADPH oxidase-mediated oxidative stress and hypertension in rats with hydronephrosis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 310, F43-56	4.3	12
60	Angiogenesis inhibition causes hypertension and placental dysfunction in a rat model of preeclampsia. <i>Journal of Hypertension</i> , <b>2009</b> , 27, 829-37	1.9	12
59	Cyclophilin D, a target for counteracting skeletal muscle dysfunction in mitochondrial myopathy. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 6580-7	5.6	11
58	Angiotensin II enhances the afferent arteriolar response to adenosine through increases in cytosolic calcium. <i>Acta Physiologica</i> , <b>2009</b> , 196, 435-45	5.6	11
57	Nitric oxide deficiency and increased adenosine response of afferent arterioles in hydronephrotic mice with hypertension. <i>Hypertension</i> , <b>2008</b> , 51, 1386-92	8.5	11
56	Secondary ossification center induces and protects growth plate structure. <i>ELife</i> , <b>2020</b> , 9,	8.9	11
55	Head-to-head comparison of inorganic nitrate and metformin in a mouse model of cardiometabolic disease. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2020</b> , 97, 48-56	5	11
54	The novel organic mononitrate NDHP attenuates hypertension and endothelial dysfunction in hypertensive rats. <i>Redox Biology</i> , <b>2018</b> , 15, 182-191	11.3	11
53	Synthesis and characterization of a novel organic nitrate NDHP: Role of xanthine oxidoreductase-mediated nitric oxide formation. <i>Redox Biology</i> , <b>2017</b> , 13, 163-169	11.3	9
52	Surgical treatment reduces blood pressure in children with unilateral congenital hydronephrosis. <i>Journal of Pediatric Urology</i> , <b>2015</b> , 11, 91.e1-6	1.5	9
51	Genetic ablation of adenosine receptor A3 results in articular cartilage degeneration. <i>Journal of Molecular Medicine</i> , <b>2018</b> , 96, 1049-1060	5.5	9
50	Tubuloglomerular feedback response in the prenatal and postnatal ovine kidney. <i>American Journal of Physiology - Renal Physiology</i> , <b>2011</b> , 300, F1368-74	4.3	9
49	Mechanisms of neonatal increase in glomerular filtration rate. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 295, R916-21	3.2	9
48	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> , <b>2017</b> , 448, 66-76	4.4	8
47	Plasma nitrate/nitrite removal by peritoneal dialysis might predispose infants with low blood pressure to cerebral ischaemia. <i>CKJ: Clinical Kidney Journal</i> , <b>2015</b> , 8, 215-8	4.5	8
46	Diadenosine pentaphosphate modulates glomerular arteriolar tone and glomerular filtration rate. <i>Acta Physiologica</i> , <b>2015</b> , 213, 285-93	5.6	8

45	Low Plasma Sodium Concentration Predicts Perforated Acute Appendicitis in Children: A Prospective Diagnostic Accuracy Study. <i>European Journal of Pediatric Surgery</i> , <b>2020</b> , 30, 350-356	1.9	8
44	Hypoxia/Reoxygenation of Rat Renal Arteries Impairs Vasorelaxation via Modulation of Endothelium-Independent sGC/cGMP/PKG Signaling. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 480	4.6	7
43	Dietary nitrite extends lifespan and prevents age-related locomotor decline in the fruit fly. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 160, 860-870	7.8	7
42	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> , <b>2016</b> , 58, 1-9	5	7
41	Circulating markers of nitric oxide homeostasis and cardiometabolic diseases: insights from population-based studies. <i>Free Radical Research</i> , <b>2019</b> , 53, 359-376	4	6
40	Adenosine A1 receptor-dependent and independent pathways in modulating renal vascular responses to angiotensin II. <i>Acta Physiologica</i> , <b>2015</b> , 213, 268-76	5.6	6
39	Protective effect of intermediate doses of hydrogen sulfide against myocardial ischemia-reperfusion injury in obese type 2 diabetic rats. <i>Life Sciences</i> , <b>2020</b> , 256, 117855	6.8	6
38	Hydronephrosis and risk of later development of hypertension. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2019</b> , 108, 50-57	3.1	6
37	Germ-free mice are not protected against diet-induced obesity and metabolic dysfunction. <i>Acta Physiologica</i> , <b>2021</b> , 231, e13581	5.6	6
36	Changes in arterial pressure and markers of nitric oxide homeostasis and oxidative stress following surgical correction of hydronephrosis in children. <i>Pediatric Nephrology</i> , <b>2018</b> , 33, 639-649	3.2	6
35	Fibroblast Growth Factor Binding Protein 3 (FGFBP3) impacts carbohydrate and lipid metabolism. <i>Scientific Reports</i> , <b>2018</b> , 8, 15973	4.9	6
34	Effect of nitric oxide on renal autoregulation during hypothermia in the rat. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2017</b> , 469, 669-680	4.6	5
33	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> , <b>2019</b> , 317, F529-F539	4.3	5
32	Total antioxidant capacity of the diet modulates the association between habitual nitrate intake and cardiovascular events. <i>Nutrition and Metabolism</i> , <b>2018</b> , 15, 19	4.6	5
31	Microbiota, diet and the generation of reactive nitrogen compounds. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 161, 321-325	7.8	5
30	"Removal of nitrate and nitrite by hemodialysis in end-stage renal disease and by sustained low-efficiency dialysis in acute kidney injury". <i>Nitric Oxide - Biology and Chemistry</i> , <b>2020</b> , 98, 33-40	5	4
29	Seasonal variation may affect clinical diagnosis of metabolic syndrome. <i>Hypertension Research</i> , <b>2010</b> , 33, 531-3	4.7	4
28	Effects of inorganic nitrate in a rat model of monocrotaline-induced pulmonary arterial hypertension. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2020</b> , 126, 99-109	3.1	4

27	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. <i>Life Sciences</i> , <b>2021</b> , 265, 118770	6.8	4
26	Resveratrol and grape juice: Effects on redox status and nitric oxide production of endothelial cells in in vitro preeclampsia model. <i>Pregnancy Hypertension</i> , <b>2021</b> , 23, 205-210	2.6	4
25	Seasonal Variation in Metabolic Syndrome Components: How Much Do They Influence the Diagnosis of Metabolic Syndrome?. <i>Current Cardiovascular Risk Reports</i> , <b>2011</b> , 5, 29-37	0.9	3
24	Renal handling of nitrate in women and men with elevated blood pressure. <i>Acta Physiologica</i> , <b>2021</b> , 232, e13637	5.6	3
23	Different Pharmacokinetic Responses to an Acute Dose of Inorganic Nitrate in Patients with Type 2 Diabetes. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , <b>2021</b> , 21, 878-886	2.2	3
22	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> , <b>2016</b> , 134, 77-8	16.7	3
21	Red blood cells from patients with pre-eclampsia induce endothelial dysfunction. <i>Journal of Hypertension</i> , <b>2021</b> , 39, 1628-1641	1.9	3
20	Hydronephrosis is associated with elevated plasmin in urine in pediatric patients and rats and changes in NCC and ENaC abundance in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F547-F557	4.3	3
19	Changes of arterial pressure following relief of obstruction in adults with hydronephrosis. <i>Uppsala Journal of Medical Sciences</i> , <b>2018</b> , 123, 216-224	2.8	3
18	The new organic nitrate 2-nitrate-1,3-dioctanoxypropan (NDOP) induces nitric oxide production and vasorelaxation via activation of inward-rectifier potassium channels (K). <i>Nitric Oxide - Biology and Chemistry</i> , <b>2020</b> , 104-105, 61-69	5	2
17	Renovascular effects of inorganic nitrate following ischemia-reperfusion of the kidney. <i>Redox Biology</i> , <b>2021</b> , 39, 101836	11.3	2
16	Effects of inorganic nitrate supplementation on cardiovascular function and exercise tolerance in heart failure. <i>Journal of Applied Physiology</i> , <b>2021</b> , 130, 914-922	3.7	1
15	Sodium and water homeostasis in children admitted with acute appendicitis: a prospective study. <i>Pediatric Research</i> , <b>2019</b> , 86, 5-8	3.2	1
14	miR-27a in Extracellular Vesicles: Is It a Novel Modulator of Hypertension?. <i>American Journal of Hypertension</i> , <b>2020</b> , 33, 21-22	2.3	1
13	Monocytes from preeclamptic women previously treated with silibinin attenuate oxidative stress in human endothelial cells. <i>Hypertension in Pregnancy</i> , <b>2021</b> , 40, 124-132	2	1
12	Inorganic nitrate: A potential prebiotic for oral microbiota dysbiosis associated with type 2 diabetes. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2021</b> , 116, 38-46	5	1
11	Extravasal albumin concentration modulates contractile responses of renal afferent arterioles. <i>Acta Physiologica</i> , <b>2018</b> , 222, e12925	5.6	0
10	Cardiovascular characterization of the novel organic mononitrate NDIBP in rats.. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2021</b> , 119, 50-50	5	0



9	Different profiles of circulating arginase 2 in subtypes of preeclampsia pregnant women. <i>Clinical Biochemistry</i> , <b>2021</b> , 92, 25-33	3.5	o
8	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> , <b>2021</b> , 54, e11073	2.8	o
7	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> , <b>2022</b> , 51, 102266	11.3	o
6	Effects of chronic dietary nitrate supplementation on longevity, vascular function and cancer incidence in rats.. <i>Redox Biology</i> , <b>2021</b> , 48, 102209	11.3	o
5	Hydrogen sulfide potentiates the protective effects of nitrite against myocardial ischemia-reperfusion injury in type 2 diabetic rats.. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2022</b> , 124, 15-23	5	o
4	Erik Persson (1941-2020) - a Remembrance. <i>Acta Physiologica</i> , <b>2020</b> , 230, 1-2	5.6	
3	SOD1-deficiency causes salt-sensitivity and aggravates hypertension in hydronephrosis. <i>FASEB Journal</i> , <b>2009</b> , 23, 803.11	0.9	
2	Adenosine A1-receptors enhance renal afferent arteriole contractile responses to Ang II and L-NAME. <i>FASEB Journal</i> , <b>2011</b> , 25, 665.10	0.9	
1	Role of Adenosine A1 Receptors in Regulation of Arteriolar Responses to Adenosine and Angiotensin II. <i>FASEB Journal</i> , <b>2012</b> , 26, 690.3	0.9	