

Jon O Lundberg

List of Publications by Year in descending order

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Version: 2024-02-01

175
papers

18,115
citations

15466

65
h-index

12558

132
g-index

177
all docs

177
docs citations

177
times ranked

12466
citing authors

#	ARTICLE	IF	CITATIONS
1	The nitrate→nitrite→nitric oxide pathway in physiology and therapeutics. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 156-167.	21.5	2,084
2	Nitrate, bacteria and human health. <i>Nature Reviews Microbiology</i> , 2004, 2, 593-602.	13.6	618
3	High nitric oxide production in human paranasal sinuses. <i>Nature Medicine</i> , 1995, 1, 370-373.	15.2	568
4	Dietary Inorganic Nitrate Improves Mitochondrial Efficiency in Humans. <i>Cell Metabolism</i> , 2011, 13, 149-159.	7.2	555
5	Inorganic nitrate is a possible source for systemic generation of nitric oxide. <i>Free Radical Biology and Medicine</i> , 2004, 37, 395-400.	1.3	540
6	Effects of Dietary Nitrate on Blood Pressure in Healthy Volunteers. <i>New England Journal of Medicine</i> , 2006, 355, 2792-2793.	13.9	492
7	The increase in plasma nitrite after a dietary nitrate load is markedly attenuated by an antibacterial mouthwash. <i>Nitric Oxide - Biology and Chemistry</i> , 2008, 19, 333-337.	1.2	473
8	Strategies to increase nitric oxide signalling in cardiovascular disease. <i>Nature Reviews Drug Discovery</i> , 2015, 14, 623-641.	21.5	412
9	Nitrite as regulator of hypoxic signaling in mammalian physiology. <i>Medicinal Research Reviews</i> , 2009, 29, 683-741.	5.0	373
10	Primarily nasal origin of exhaled nitric oxide and absence in Kartagener's syndrome. <i>European Respiratory Journal</i> , 1994, 7, 1501-1504.	3.1	353
11	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
12	A mammalian functional nitrate reductase that regulates nitrite and nitric oxide homeostasis. <i>Nature Chemical Biology</i> , 2008, 4, 411-417.	3.9	302
13	NO Generation From Nitrite and Its Role in Vascular Control. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 915-922.	1.1	300
14	Physiological role for nitrate-reducing oral bacteria in blood pressure control. <i>Free Radical Biology and Medicine</i> , 2013, 55, 93-100.	1.3	282
15	Roles of dietary inorganic nitrate in cardiovascular health and disease. <i>Cardiovascular Research</i> , 2011, 89, 525-532.	1.8	268
16	Nitrite-derived nitric oxide: a possible mediator of 'acidic-metabolic' vasodilation. <i>Acta Physiologica Scandinavica</i> , 2001, 171, 9-16.	2.3	260
17	Dietary nitrate reduces maximal oxygen consumption while maintaining work performance in maximal exercise. <i>Free Radical Biology and Medicine</i> , 2010, 48, 342-347.	1.3	260
18	Nonenzymatic Nitric Oxide Production in Humans. <i>Nitric Oxide - Biology and Chemistry</i> , 1998, 2, 1-7.	1.2	249

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19	Dietary nitrate increases tetanic $[Ca^{2+}]_i$ and contractile force in mouse fast-twitch muscle. <i>Journal of Physiology</i> , 2012, 590, 3575-3583.	1.3	248
20	Metabolic Effects of Dietary Nitrate in Health and Disease. <i>Cell Metabolism</i> , 2018, 28, 9-22.	7.2	242
21	Greatly increased luminal nitric oxide in ulcerative colitis. <i>Lancet</i> , The, 1994, 344, 1673-1674.	6.3	239
22	Novel Aspects of Dietary Nitrate and Human Health. <i>Annual Review of Nutrition</i> , 2013, 33, 129-159.	4.3	230
23	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
24	Nitrite in saliva increases gastric mucosal blood flow and mucus thickness. <i>Journal of Clinical Investigation</i> , 2004, 113, 106-114.	3.9	207
25	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
26	Effects of pH, Nitrite, and Ascorbic Acid on Nonenzymatic Nitric Oxide Generation and Bacterial Growth in Urine. <i>Nitric Oxide - Biology and Chemistry</i> , 2001, 5, 580-586.	1.2	156
27	Cardioprotective effects of vegetables: Is nitrate the answer?. <i>Nitric Oxide - Biology and Chemistry</i> , 2006, 15, 359-362.	1.2	152
28	Red wine-dependent reduction of nitrite to nitric oxide in the stomach. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1233-1242.	1.3	152
29	Microbial regulation of host hydrogen sulfide bioavailability and metabolism. <i>Free Radical Biology and Medicine</i> , 2013, 60, 195-200.	1.3	151
30	Nitrite-derived nitric oxide: a possible mediator of "acidic" metabolic vasodilation. <i>Acta Physiologica Scandinavica</i> , 2001, 171, 9-16.	2.3	146
31	NO-synthase independent NO generation in mammals. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 39-45.	1.0	144
32	Biology of nitrogen oxides in the gastrointestinal tract. <i>Gut</i> , 2013, 62, 616-629.	6.1	142
33	NO generation from inorganic nitrate and nitrite: Role in physiology, nutrition and therapeutics. <i>Archives of Pharmacal Research</i> , 2009, 32, 1119-1126.	2.7	126
34	Arginase regulates red blood cell nitric oxide synthase and export of cardioprotective nitric oxide bioactivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15049-15054.	3.3	125
35	Thioredoxin-related protein of 14 kDa is an efficient L-cystine reductase and S-denitrosylase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6964-6969.	3.3	125
36	Enterosalivary nitrate metabolism and the microbiome: Intersection of microbial metabolism, nitric oxide and diet in cardiac and pulmonary vascular health. <i>Free Radical Biology and Medicine</i> , 2017, 105, 48-67.	1.3	123

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37	Erythrocytes From Patients With Type 2 Diabetes Induce Endothelial Dysfunction Via Arginase I. <i>Journal of the American College of Cardiology</i> , 2018, 72, 769-780.	1.2	123
38	Nitrate-Nitrite-Nitric Oxide Pathway. <i>Anesthesiology</i> , 2010, 113, 1460-1475.	1.3	122
39	Dietary nitrate increases gastric mucosal blood flow and mucosal defense. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G718-G724.	1.6	121
40	PPAR- α activation protects the type 2 diabetic myocardium against ischemia-reperfusion injury: involvement of the PI3-Kinase/Akt and NO pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H719-H727.	1.5	121
41	Arginase inhibition mediates cardioprotection during ischaemia-reperfusion. <i>Cardiovascular Research</i> , 2010, 85, 147-154.	1.8	120
42	No Improvement in Endurance Performance after a Single Dose of Beetroot Juice. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2012, 22, 470-478.	1.0	111
43	Nitric Oxide and the Paranasal Sinuses. <i>Anatomical Record</i> , 2008, 291, 1479-1484.	0.8	110
44	Generation of NO by probiotic bacteria in the gastrointestinal tract. <i>Free Radical Biology and Medicine</i> , 2006, 41, 985-991.	1.3	101
45	Dietary Nitrate Supplementation Improves Revascularization in Chronic Ischemia. <i>Circulation</i> , 2012, 126, 1983-1992.	1.6	97
46	Is sunlight good for our heart?. <i>European Heart Journal</i> , 2010, 31, 1041-1045.	1.0	93
47	Urinary nitrite: More than a marker of infection. <i>Urology</i> , 1997, 50, 189-191.	0.5	91
48	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
49	Absence of an effect of high nitrate intake from beetroot juice on blood pressure in treated hypertensive individuals: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 368-375.	2.2	88
50	Protection from nonsteroidal anti-inflammatory drug (NSAID)-induced gastric ulcers by dietary nitrate. <i>Free Radical Biology and Medicine</i> , 2007, 42, 510-518.	1.3	86
51	Nitrated oleic acid up-regulates PPAR α and attenuates experimental inflammatory bowel disease. <i>Free Radical Biology and Medicine</i> , 2010, 48, 499-505.	1.3	86
52	Calcium-independent and steroid-resistant nitric oxide synthase activity in human paranasal sinus mucosa. <i>European Respiratory Journal</i> , 1996, 9, 1344-1347.	3.1	85
53	Red Blood Cell and Endothelial eNOS Independently Regulate Circulating Nitric Oxide Metabolites and Blood Pressure. <i>Circulation</i> , 2021, 144, 870-889.	1.6	85
54	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

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55	Decreased leukocyte recruitment by inorganic nitrate and nitrite in microvascular inflammation and NSAID-induced intestinal injury. <i>Free Radical Biology and Medicine</i> , 2012, 52, 683-692.	1.3	78
56	Inorganic nitrite stimulates pancreatic islet blood flow and insulin secretion. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1017-1023.	1.3	74
57	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
58	Regulation of mitochondrial function and energetics by reactive nitrogen oxides. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1919-1928.	1.3	73
59	Dietary nitrate reduces resting metabolic rate: a randomized, crossover study in humans. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 843-850.	2.2	72
60	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
61	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
62	Mitochondrial oxygen affinity predicts basal metabolic rate in humans. <i>FASEB Journal</i> , 2011, 25, 2843-2852.	0.2	67
63	Dietary inorganic nitrate mobilizes circulating angiogenic cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1767-1772.	1.3	67
64	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
65	Arginase inhibition restores in vivo coronary microvascular function in type 2 diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1174-H1181.	1.5	65
66	Interactions between cocoa flavanols and inorganic nitrate: Additive effects on endothelial function at achievable dietary amounts. <i>Free Radical Biology and Medicine</i> , 2015, 80, 121-128.	1.3	65
67	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
68	Intragastric nitration by dietary nitrite: Implications for modulation of protein and lipid signaling. <i>Free Radical Biology and Medicine</i> , 2012, 52, 693-698.	1.3	64
69	Technology Insight: calprotectin, lactoferrin and nitric oxide as novel markers of inflammatory bowel disease. <i>Nature Reviews Gastroenterology & Hepatology</i> , 2005, 2, 96-102.	1.7	62
70	Association of Vegetable Nitrate Intake With Carotid Atherosclerosis and Ischemic Cerebrovascular Disease in Older Women. <i>Stroke</i> , 2017, 48, 1724-1729.	1.0	61
71	Enhanced XOR activity in eNOS-deficient mice. <i>Free Radical Biology and Medicine</i> , 2016, 99, 472-484.	1.3	60
72	Arginase Inhibition Improves Microvascular Endothelial Function in Patients With Type 2 Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3952-3958.	1.8	60

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73	Local Arginase Inhibition during Early Reperfusion Mediates Cardioprotection via Increased Nitric Oxide Production. <i>PLoS ONE</i> , 2012, 7, e42038.	1.1	60
74	Nitric oxide and inflammation: The answer is blowing in the wind. <i>Nature Medicine</i> , 1997, 3, 30-31.	15.2	58
75	Gastrointestinal nitric oxide generation in germ-free and conventional rats. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G993-G997.	1.6	58
76	Preventive and therapeutic effects of nitrite supplementation in experimental inflammatory bowel disease. <i>Redox Biology</i> , 2014, 2, 73-81.	3.9	57
77	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
78	Intravesical Nitric Oxide Delivery for Prevention of Catheter-Associated Urinary Tract Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2352-2355.	1.4	56
79	Effects of long-term dietary nitrate supplementation in mice. <i>Redox Biology</i> , 2015, 5, 234-242.	3.9	54
80	Dietary Nitrite in Nitric Oxide Biology: A Redox Interplay with Implications for Pathophysiology and Therapeutics. <i>Current Drug Targets</i> , 2011, 12, 1351-1363.	1.0	53
81	Nasal and oral contribution to inhaled and exhaled nitric oxide: a study in tracheotomized patients. <i>European Respiratory Journal</i> , 2002, 19, 859-864.	3.1	52
82	Intragastric generation of antimicrobial nitrogen oxides from saliva—Physiological and therapeutic considerations. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1404-1412.	1.3	52
83	Effects of dietary nitrate supplementation, from beetroot juice, on blood pressure in hypertensive pregnant women: A randomised, double-blind, placebo-controlled feasibility trial. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 80, 37-44.	1.2	52
84	Elevated Exhaled Nitric Oxide in Allergen-Provoked Asthma Is Associated with Airway Epithelial iNOS. <i>PLoS ONE</i> , 2014, 9, e90018.	1.1	51
85	Red Blood Cells in Type 2 Diabetes Impair Cardiac Post-Ischemic Recovery Through an Arginase-Dependent Modulation of Nitric Oxide Synthase and Reactive Oxygen Species. <i>JACC Basic To Translational Science</i> , 2018, 3, 450-463.	1.9	51
86	Decreased pulmonary vascular resistance during nasal breathing: modulation by endogenous nitric oxide from the paranasal sinuses. <i>Acta Physiologica Scandinavica</i> , 1998, 163, 235-239.	2.3	50
87	Humming, Nitric Oxide, and Paranasal Sinus Obstruction. <i>JAMA - Journal of the American Medical Association</i> , 2003, 289, 302.	3.8	49
88	Intragastric nitric oxide is abolished in intubated patients and restored by nitrite*. <i>Critical Care Medicine</i> , 2005, 33, 1722-1727.	0.4	46
89	Hexosylceramides as intrathecal markers of worsening disability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2015, 21, 1271-1279.	1.4	43
90	Hemoglobin $\hat{2}93$ 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

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91	The potent vasodilator ethyl nitrite is formed upon reaction of nitrite and ethanol under gastric conditions. <i>Free Radical Biology and Medicine</i> , 2008, 45, 404-412.	1.3	40
92	Nitrate transport in salivary glands with implications for NO homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13144-13145.	3.3	40
93	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
94	Characterization of exhaled nitric oxide: introducing a new reproducible method for nasal nitric oxide measurements. <i>European Respiratory Journal</i> , 2000, 16, 236.	3.1	37
95	Enhanced xanthine oxidoreductase expression and tissue nitrate reduction in germ free mice. <i>Nitric Oxide - Biology and Chemistry</i> , 2010, 22, 191-195.	1.2	37
96	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
97	Rectal nitric oxide and fecal calprotectin in inflammatory bowel disease. <i>Scandinavian Journal of Gastroenterology</i> , 2007, 42, 1151-1157.	0.6	36
98	The biological role of nitrate and nitrite: The times they are a-changinâ€™™. <i>Nitric Oxide - Biology and Chemistry</i> , 2010, 22, 61-63.	1.2	36
99	Supplementation with nitrate and nitrite salts in exercise: a word of caution. <i>Journal of Applied Physiology</i> , 2011, 111, 616-617.	1.2	32
100	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
101	Control of pathogen growth and biofilm formation using a urinary catheter that releases antimicrobial nitrogen oxides. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1257-1264.	1.3	31
102	Pepsin is nitrated in the rat stomach, acquiring antiulcerogenic activity: A novel interaction between dietary nitrate and gut proteins. <i>Free Radical Biology and Medicine</i> , 2013, 58, 26-34.	1.3	31
103	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
104	Nitrite reduction to nitric oxide in the vasculature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H477-H478.	1.5	28
105	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
106	Effects of antiseptic mouthwash on resting metabolic rate: A randomized, double-blind, crossover study. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 61, 38-44.	1.2	26
107	Nitric oxide-dependent biodegradation of graphene oxide reduces inflammation in the gastrointestinal tract. <i>Nanoscale</i> , 2020, 12, 16730-16737.	2.8	26
108	Dietary Nitrate Reduces Blood Pressure in Rats With Angiotensin IIâ€™™Induced Hypertension via Mechanisms That Involve Reduction of Sympathetic Hyperactivity. <i>Hypertension</i> , 2019, 73, 839-848.	1.3	26

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109	Erythrocytes Induce Vascular Dysfunction in COVID-19. <i>JACC Basic To Translational Science</i> , 2022, 7, 193-204.	1.9	26
110	Physiological recycling of endogenous nitrate by oral bacteria regulates gastric mucus thickness. <i>Free Radical Biology and Medicine</i> , 2015, 89, 241-247.	1.3	25
111	Role of nitrite, urate and pepsin in the gastroprotective effects of saliva. <i>Redox Biology</i> , 2016, 8, 407-414.	3.9	25
112	Characterization of mammalian glutaredoxin isoforms as S-nitrosylases. <i>FEBS Letters</i> , 2019, 593, 1799-1806.	1.3	25
113	Germline-free mice are not protected against diet-induced obesity and metabolic dysfunction. <i>Acta Physiologica</i> , 2021, 231, e13581.	1.8	24
114	Effects of the neuropeptide Y Y2 receptor antagonist BII0246 on sympathetic transmitter release in the pig in vivo. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2002, 365, 106-111.	1.4	23
115	Dietary nitrate markedly improves voluntary running in mice. <i>Physiology and Behavior</i> , 2017, 168, 55-61.	1.0	23
116	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
117	Cardiovascular prevention by dietary nitrate and nitrite. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1221-H1223.	1.5	22
118	Dietary nitrate improves cardiac contractility via enhanced cellular Ca ²⁺ signaling. <i>Basic Research in Cardiology</i> , 2016, 111, 34.	2.5	22
119	Effects of Oral Supplementation With Nitrate-Rich Beetroot Juice in Patients With Pulmonary Arterial Hypertension—Results From BEET-PAH, an Exploratory Randomized, Double-Blind, Placebo-Controlled, Crossover Study. <i>Journal of Cardiac Failure</i> , 2018, 24, 640-653.	0.7	22
120	Microbiota, diet and the generation of reactive nitrogen compounds. <i>Free Radical Biology and Medicine</i> , 2020, 161, 321-325.	1.3	21
121	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
122	Control of human energy expenditure by cytochrome c oxidase subunit IV-2. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C452-C461.	2.1	18
123	Beetroot juice lowers blood pressure and improves endothelial function in pregnant eNOS ^{-/-} mice: importance of nitrate-independent effects. <i>Journal of Physiology</i> , 2020, 598, 4079-4092.	1.3	17
124	Increased plasma and salivary nitrite and decreased bronchial contribution to exhaled NO in pulmonary arterial hypertension. <i>European Journal of Clinical Investigation</i> , 2011, 41, 889-897.	1.7	16
125	Ultrasound contrast agent loaded with nitric oxide as a theranostic microdevice. <i>Drug Design, Development and Therapy</i> , 2015, 9, 2409.	2.0	16
126	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

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127	Inhibition of Cancer Cell Replication by Inorganic Nitrite. <i>Nutrition and Cancer</i> , 2010, 62, 501-504.	0.9	14
128	The fraction of NO in exhaled air and estimates of alveolar NO in adolescents with asthma: Methodological aspects. <i>Pediatric Pulmonology</i> , 2012, 47, 941-949.	1.0	14
129	Eliminating paranasal sinus resonance and its effects on acoustic properties of the nasal tract. <i>Logopedics Phoniatrics Vocology</i> , 2016, 41, 33-40.	0.5	14
130	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
131	Renovascular effects of inorganic nitrate following ischemia-reperfusion of the kidney. <i>Redox Biology</i> , 2021, 39, 101836.	3.9	13
132	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
133	The novel organic mononitrate NDHP attenuates hypertension and endothelial dysfunction in hypertensive rats. <i>Redox Biology</i> , 2018, 15, 182-191.	3.9	12
134	The roles of tissue nitrate reductase activity and myoglobin in securing nitric oxide availability in deeply hypoxic crucian carp. <i>Journal of Experimental Biology</i> , 2016, 219, 3875-3883.	0.8	11
135	Effects of dietary inorganic nitrate on static and dynamic breath-holding in humans. <i>Respiratory Physiology and Neurobiology</i> , 2013, 185, 339-348.	0.7	10
136	Red blood cells from patients with pre-eclampsia induce endothelial dysfunction. <i>Journal of Hypertension</i> , 2021, 39, 1628-1641.	0.3	10
137	Inorganic nitrate and nitrite ameliorate kidney fibrosis by restoring lipid metabolism via dual regulation of AMP-activated protein kinase and the AKT-PGC1 β pathway. <i>Redox Biology</i> , 2022, 51, 102266.	3.9	10
138	Plasma nitrate/nitrite removal by peritoneal dialysis might predispose infants with low blood pressure to cerebral ischaemia. <i>CKJ: Clinical Kidney Journal</i> , 2015, 8, 215-218.	1.4	9
139	Acute Purulent Sinusitis Triggered by Topical Nasal Nitric Oxide Synthase Inhibition. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 512-513.	2.5	9
140	Metabolism and Pathways for Denitration of Organic Nitrates in the Human Liver. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 346, 96-104.	1.3	8
141	Dynamic regulation of metabolic efficiency explains tolerance to acute hypoxia in humans. <i>FASEB Journal</i> , 2014, 28, 4303-4311.	0.2	8
142	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
143	Nitric Oxide Formation From Inorganic Nitrate. , 2017, , 157-171.		8
144	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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145	Effects of inorganic nitrate on ischaemia-reperfusion injury after coronary artery bypass surgery: a randomised controlled trial. <i>British Journal of Anaesthesia</i> , 2021, 127, 547-555.	1.5	8
146	The Nitrateâ€“Nitriteâ€“Nitric Oxide Pathway in Mammals. , 2011, , 21-48.		8
147	Symbiotic bacteria enhance exercise performance. <i>British Journal of Sports Medicine</i> , 2021, 55, 243-243.	3.1	8
148	Effects of chronic dietary nitrate supplementation on longevity, vascular function and cancer incidence in rats. <i>Redox Biology</i> , 2021, 48, 102209.	3.9	8
149	Letter by Montenegro and Lundberg Regarding Article, â€œUnexpected Effect of Proton Pump Inhibitors: Elevation of the Cardiovascular Risk Factor Asymmetric Dimethylarginineâ€• <i>Circulation</i> , 2014, 129, e426.	1.6	7
150	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. <i>Nutrients</i> , 2022, 14, 2480.	1.7	7
151	Downsides to the nitrateâ€“nitriteâ€“nitric oxide pathway in physiology and therapeutics? Reply from Lundberg, Weitzberg and Gladwin. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 710-710.	21.5	6
152	Intestinal Hydrogen and Nitric Oxide Gases in Preterm Infants â€“ Effects of Antibiotic Therapy. <i>Neonatology</i> , 2009, 95, 68-73.	0.9	6
153	Dietary nitrate â€“ a slow train coming. <i>Journal of Physiology</i> , 2011, 589, 5333-5334.	1.3	6
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155	Nitric Oxide Formation from Inorganic Nitrate and Nitrite. , 2010, , 539-553.		5
156	Elevated nitric oxide in recurrent vulvovaginal candidiasis â€“ association with clinical findings. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2017, 96, 295-301.	1.3	5
157	Vascular biotransformation of organic nitrates is independent of cytochrome P450 monooxygenases. <i>British Journal of Pharmacology</i> , 2021, 178, 1495-1506.	2.7	5
158	Nostril widening improves arterial oxygenation: a role for nasal nitric oxide?. <i>Respiratory Medicine</i> , 1999, 93, 134-135.	1.3	4
159	The new organic nitrate 2-nitrate-1,3-diocthanoxypropan (NDOP) induces nitric oxide production and vasorelaxation via activation of inward-rectifier potassium channels (KIR). <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 104-105, 61-69.	1.2	4
160	Downregulation of eNOS and preserved endothelial function in endothelial-specific arginase 1-deficient mice. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, , .	1.2	4
161	Letter by CarlstrÃ¶m and Lundberg Regarding Article, â€œSIRT3-AMPâ€“Activated Protein Kinase Activation by Nitrite and Metformin Improves Hyperglycemia and Normalizes Pulmonary Hypertension Associated With Heart Failure With Preserved Ejection Fractionâ€• <i>Circulation</i> , 2016, 134, e77-8.	1.6	3
162	Dietary flavonoids and circulating concentrations of nitrate, nitrite, and S-nitrosothiols. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 652-652.	2.2	2

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163	Enhanced Nitrite-Mediated Relaxation of Placental Blood Vessels Exposed to Hypoxia Is Preserved in Pregnancies Complicated by Fetal Growth Restriction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4500.	1.8	2
164	Extrapulmonary effects of nitric oxide inhalation therapy: time to consider new dosing regimes?. <i>Critical Care</i> , 2008, 12, 406.	2.5	1
165	Rectal NO and fecal calprotectin in IBD. <i>Scandinavian Journal of Gastroenterology</i> , 2009, 44, 128-128.	0.6	1
166	Cardiovascular characterization of the novel organic mononitrate NDIBP in rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, 119, 50-60.	1.2	1
167	NO bioactivity estimated from plasma levels of cyclic guanosine 3',5'-monophosphate (cGMP): correlation to plasma nitrite but not nitrate. <i>Acta Physiologica</i> , 2006, 188, 75-75.	1.8	0
168	Gastroprotective effects of salivary urate? A commentary on "Salivary uric acid at the acidic pH of the stomach is the principal defense against nitrite-derived reactive species: Sparing effects of chlorogenic acid and serum albumin". <i>Free Radical Biology and Medicine</i> , 2006, 41, 1747-1749.	1.3	0
169	Direct measurement of nitric oxide (NO) in the gastrointestinal tract of cod (<i>Gadus morhua</i>). <i>Microbial Ecology in Health and Disease</i> , 2009, 21, 175-177.	3.8	0
170	Response by Lundberg et al to Letter Regarding Article, "Hemoglobin Î²93 Cysteine Is Not Required for Export of Nitric Oxide Bioactivity From the Red Blood Cell". <i>Circulation</i> , 2019, 140, e760-e761.	1.6	0
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172	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
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