

# Paul G Winyard

## List of Publications by Year in descending order

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195  
papers

12,597  
citations

23567

58  
h-index

26613

107  
g-index

225  
all docs

225  
docs citations

225  
times ranked

13089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Relevance of Biomarkers of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1144-1170.	5.4	604
2	Dietary nitrate supplementation reduces the O <sub>2</sub> cost of low-intensity exercise and enhances tolerance to high-intensity exercise in humans. <i>Journal of Applied Physiology</i> , 2009, 107, 1144-1155.	2.5	603
3	Dietary nitrate supplementation enhances muscle contractile efficiency during knee-extensor exercise in humans. <i>Journal of Applied Physiology</i> , 2010, 109, 135-148.	2.5	484
4	Acute and chronic effects of dietary nitrate supplementation on blood pressure and the physiological responses to moderate-intensity and incremental exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1121-R1131.	1.8	403
5	Beetroot juice and exercise: pharmacodynamic and dose-response relationships. <i>Journal of Applied Physiology</i> , 2013, 115, 325-336.	2.5	363
6	Dietary nitrate supplementation reduces the O <sub>2</sub> cost of walking and running: a placebo-controlled study. <i>Journal of Applied Physiology</i> , 2011, 110, 591-600.	2.5	335
7	Free radicals in inflammation: second messengers and mediators of tissue destruction. <i>British Medical Bulletin</i> , 1993, 49, 506-522.	6.9	333
8	Activation of the transcription factor nuclear factor- $\kappa$ B in human inflamed synovial tissue. <i>Arthritis and Rheumatism</i> , 1996, 39, 583-591.	6.7	303
9	Acute Dietary Nitrate Supplementation Improves Cycling Time Trial Performance. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1125-1131.	0.4	292
10	Hydrogen sulfide and inflammation: the good, the bad, the ugly and the promising. <i>Expert Review of Clinical Pharmacology</i> , 2011, 4, 13-32.	3.1	262
11	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.	9.0	242
12	Generation of Nitric Oxide by a Nitrite Reductase Activity of Xanthine Oxidase: A Potential Pathway for Nitric Oxide Formation in the Absence of Nitric Oxide Synthase Activity. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 767-772.	2.1	234
13	Oxidative activation of antioxidant defence. <i>Trends in Biochemical Sciences</i> , 2005, 30, 453-461.	7.5	225
14	Oxidative DNA damage and cellular sensitivity to oxidative stress in human autoimmune diseases. <i>Annals of the Rheumatic Diseases</i> , 1993, 52, 659-666.	0.9	221
15	Effect of dietary nitrate on blood pressure, endothelial function, and insulin sensitivity in type 2 diabetes. <i>Free Radical Biology and Medicine</i> , 2013, 60, 89-97.	2.9	205
16	Oxidative stress in autoimmune rheumatic diseases. <i>Free Radical Biology and Medicine</i> , 2018, 125, 3-14.	2.9	204
17	Effects of short-term dietary nitrate supplementation on blood pressure, O <sub>2</sub> uptake kinetics, and muscle and cognitive function in older adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R73-R83.	1.8	184
18	Myeloperoxidase and oxidative stress in rheumatoid arthritis. <i>Rheumatology</i> , 2012, 51, 1796-1803.	1.9	180

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19	Hydrogen sulfide and nitric oxide interactions in inflammation. Nitric Oxide - Biology and Chemistry, 2014, 41, 38-47.	2.7	173
20	Dietary nitrate reduces muscle metabolic perturbation and improves exercise tolerance in hypoxia. Journal of Physiology, 2011, 589, 5517-5528.	2.9	170
21	Biocompatibility and toxicity of graphene quantum dots for potential application in photodynamic therapy. Nanomedicine, 2018, 13, 1923-1937.	3.3	150
22	Developing the next generation of graphene-based platforms for cancer therapeutics: The potential role of reactive oxygen species. Redox Biology, 2018, 15, 34-40.	9.0	144
23	Inactivation of tissue inhibitor of metalloproteinase-1 by peroxynitrite. FEBS Letters, 1996, 381, 21-24.	2.8	143
24	Nitrate-responsive oral microbiome modulates nitric oxide homeostasis and blood pressure in humans. Free Radical Biology and Medicine, 2018, 124, 21-30.	2.9	133
25	Dietary nitrate supplementation improves reaction time in type 2 diabetes: Development and application of a novel nitrate-depleted beetroot juice placebo. Nitric Oxide - Biology and Chemistry, 2014, 40, 67-74.	2.7	122
26	Dietary nitrate – Good or bad?. Nitric Oxide - Biology and Chemistry, 2010, 22, 104-109.	2.7	114
27	Dietary nitrate modulates cerebral blood flow parameters and cognitive performance in humans: A double-blind, placebo-controlled, crossover investigation. Physiology and Behavior, 2015, 149, 149-158.	2.1	110
28	Putative analgesic activity of repeated oral doses of vitamin E in the treatment of rheumatoid arthritis. Results of a prospective placebo controlled double blind trial. Annals of the Rheumatic Diseases, 1997, 56, 649-655.	0.9	109
29	Detection of oxidants in uremic plasma by electron spin resonance spectroscopy. Kidney International, 1995, 48, 199-206.	5.2	108
30	Acute L-arginine supplementation reduces the O <sub>2</sub> cost of moderate-intensity exercise and enhances high-intensity exercise tolerance. Journal of Applied Physiology, 2010, 109, 1394-1403.	2.5	108
31	Inducible hydrogen sulfide synthesis in chondrocytes and mesenchymal progenitor cells: is H <sub>2</sub> S a novel cytoprotective mediator in the inflamed joint?. Journal of Cellular and Molecular Medicine, 2012, 16, 896-910.	3.6	104
32	The synthesis and functional evaluation of a mitochondria-targeted hydrogen sulfide donor, (10-oxo-10-(4-(3-thioxo-3H-1,2-dithiol-5-yl)phenoxy)decyl)triphenylphosphonium bromide (AP39). MedChemComm, 2014, 5, 728-736.	3.4	104
33	Aspects of the biological redox chemistry of cysteine: from simple redox responses to sophisticated signalling pathways. Biological Chemistry, 2006, 387, 1385-97.	2.5	103
34	The complex effects of the slow-releasing hydrogen sulfide donor GYY4137 in a model of acute joint inflammation and in human cartilage cells. Journal of Cellular and Molecular Medicine, 2013, 17, 365-376.	3.6	100
35	Presence of foam cells containing oxidised low density lipoprotein in the synovial membrane from patients with rheumatoid arthritis.. Annals of the Rheumatic Diseases, 1993, 52, 677-680.	0.9	95
36	L-Citrulline supplementation improves O <sub>2</sub> uptake kinetics and high-intensity exercise performance in humans. Journal of Applied Physiology, 2015, 119, 385-395.	2.5	94

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37	A Reappraisal of Xanthine Dehydrogenase and Oxidase in Hypoxic Reperfusion Injury: the Role of NADH as an Electron Donor. <i>Free Radical Research</i> , 1998, 28, 151-164.	3.3	93
38	Dietary nitrate supplementation: effects on plasma nitrite and pulmonary O <sub>2</sub> uptake dynamics during exercise in hypoxia and normoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R920-R930.	1.8	92
39	Inhibition of neutrophil superoxide production by human plasma $\alpha_1$ -antitrypsin. <i>FEBS Letters</i> , 1992, 300, 21-24.	2.8	91
40	Antioxidants, Redox-Regulated Transcription Factors, and Inflammation. <i>Advances in Pharmacology</i> , 1996, 38, 403-421.	2.0	91
41	Oxidative post-translational modifications and their involvement in the pathogenesis of autoimmune diseases. <i>Redox Biology</i> , 2014, 2, 715-724.	9.0	91
42	Oxygen free radicals, inflammation, and synovitis: and synovitis: the current status.. <i>Annals of the Rheumatic Diseases</i> , 1989, 48, 864-870.	0.9	88
43	Influence of dietary nitrate supplementation on human skeletal muscle metabolism and force production during maximum voluntary contractions. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 517-528.	2.8	88
44	A Mechanism of Release of Calreticulin from Cells During Apoptosis. <i>Journal of Molecular Biology</i> , 2010, 401, 799-812.	4.2	87
45	Measurement and meaning of markers of reactive species of oxygen, nitrogen and sulfur in healthy human subjects and patients with inflammatory joint disease. <i>Biochemical Society Transactions</i> , 2011, 39, 1226-1232.	3.4	85
46	The behaviour of caeruloplasmin in stored human extracellular fluids in relation to ferroxidase II activity, lipid peroxidation and phenanthroline-detectable copper. <i>Biochemical Journal</i> , 1985, 230, 517-523.	3.7	83
47	MECHANISM OF EXACERBATION OF RHEUMATOID SYNOVITIS BY TOTAL-DOSE IRON-DEXTRAN INFUSION: IN-VIVO DEMONSTRATION OF IRON-PROMOTED OXIDANT STRESS. <i>Lancet, The</i> , 1987, 329, 69-72.	13.7	76
48	Selective Antimicrobial Activity Associated with Sulfur Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 395-405.	1.1	76
49	The nitrate-nitrite-nitric oxide pathway: Its role in human exercise physiology. <i>European Journal of Sport Science</i> , 2012, 12, 309-320.	2.7	75
50	Human xanthine oxidase converts nitrite ions into nitric oxide (NO). <i>Biochemical Society Transactions</i> , 1997, 25, 524S-524S.	3.4	73
51	Consequence of neo-antigenicity of the 'altered self'. <i>Rheumatology</i> , 2008, 47, 567-571.	1.9	71
52	$\alpha$ -Tocopherol, lipids and lipoproteins in knee-joint synovial fluid and serum from patients with inflammatory joint disease. <i>Clinical Science</i> , 1992, 83, 657-664.	4.3	67
53	Two weeks of watermelon juice supplementation improves nitric oxide bioavailability but not endurance exercise performance in humans. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 59, 10-20.	2.7	67
54	Autoantibodies to Posttranslational Modifications in Rheumatoid Arthritis. <i>Mediators of Inflammation</i> , 2014, 2014, 1-19.	3.0	64

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55	Detection of hydrogen sulfide in plasma and knee joint synovial fluid from rheumatoid arthritis patients: relation to clinical and laboratory measures of inflammation. <i>Annals of the New York Academy of Sciences</i> , 2010, 1203, 146-150.	3.8	63
56	Dietary antioxidants in inflammatory arthritis: do they have any role in etiology or therapy?. <i>Nature Clinical Practice Rheumatology</i> , 2008, 4, 590-596.	3.2	62
57	The effect of dietary nitrate supplementation on the oxygen cost of cycling, walking performance and resting blood pressure in individuals with chronic obstructive pulmonary disease: A double blind placebo controlled, randomised control trial. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 48, 31-37.	2.7	62
58	Nitrate pharmacokinetics: Taking note of the difference. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 48, 44-50.	2.7	62
59	Proteolytic inactivation of human $\alpha_1$ antitrypsin by human stromelysin. <i>FEBS Letters</i> , 1991, 279, 91-94.	2.8	61
60	Generation of neoantigenic epitopes after posttranslational modification of type II collagen by factors present within the inflamed joint. <i>Arthritis and Rheumatism</i> , 2005, 52, 3829-3838.	6.7	59
61	Autoantibodies to Posttranslationally Modified Type II Collagen as Potential Biomarkers for Rheumatoid Arthritis. <i>Arthritis and Rheumatism</i> , 2013, 65, 1702-1712.	6.7	59
62	The Effects of Chronic Nitrate Supplementation and the Use of Strong and Weak Antibacterial Agents on Plasma Nitrite Concentration and Exercise Blood Pressure. <i>International Journal of Sports Medicine</i> , 2015, 36, 1177-1185.	1.7	58
63	Investigation into the toxic effects of graphene nanopores on lung cancer cells and biological tissues. <i>Applied Materials Today</i> , 2018, 12, 389-401.	4.3	58
64	NF- $\kappa$ B activation in human knee-joint synovial tissue during the early stage of joint inflammation. <i>Biochemical Society Transactions</i> , 1997, 25, 518S-518S.	3.4	57
65	Frequency of Th17 CD20+ cells in the peripheral blood of rheumatoid arthritis patients is higher compared to healthy subjects. <i>Arthritis Research and Therapy</i> , 2011, 13, R208.	3.5	56
66	Cerebral and Ocular Toxicity Induced by Desferrioxamine. <i>QJM - Monthly Journal of the Association of Physicians</i> , 1985, , .	0.5	54
67	Role of inorganic nitrate and nitrite in driving nitric oxide- $\alpha$ cGMP-mediated inhibition of platelet aggregation in vitro and in vivo. <i>Journal of Thrombosis and Haemostasis</i> , 2014, 12, 1880-1889.	3.8	54
68	Effects of dietary nitrate supplementation on the oxygen cost of exercise and walking performance in individuals with type 2 diabetes: a randomized, double-blind, placebo-controlled crossover trial. <i>Free Radical Biology and Medicine</i> , 2015, 86, 200-208.	2.9	54
69	Ocular toxicity of desferrioxamine--an example of copper promoted auto-oxidative damage?. <i>British Journal of Ophthalmology</i> , 1989, 73, 42-47.	3.9	52
70	Amelioration of antigen-induced arthritis in rats by transfer of extracellular superoxide dismutase and catalase genes. <i>Gene Therapy</i> , 2003, 10, 550-558.	4.5	52
71	Inactivation of the elastase inhibitory activity of alpha 1 antitrypsin in fresh samples of synovial fluid from patients with rheumatoid arthritis.. <i>Annals of the Rheumatic Diseases</i> , 1991, 50, 915-916.	0.9	51
72	Proteolysis of human native and oxidised $\alpha_1$ -proteinase inhibitor by matrulysin and stromelysin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994, 1199, 224-228.	2.4	51

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73	Extracellular calreticulin is present in the joints of patients with rheumatoid arthritis and inhibits FasL (CD95L)-mediated apoptosis of T cells. <i>Arthritis and Rheumatism</i> , 2010, 62, 2919-2929.	6.7	50
74	Evidence for oxidised low density lipoprotein in synovial fluid from rheumatoid arthritis patients. <i>Free Radical Research</i> , 2000, 32, 479-486.	3.3	49
75	Modified low density lipoprotein and cytokines mediate monocyte adhesion to smooth muscle cells. <i>Atherosclerosis</i> , 1996, 127, 167-176.	0.8	48
76	Endothelial cell cytotoxicity in inflammatory vascular diseases--the possible role of oxidised lipoproteins.. <i>Annals of the Rheumatic Diseases</i> , 1985, 44, 176-182.	0.9	47
77	Simultaneous analysis of nitrite, nitrate and the nicotinamide nucleotides by capillary electrophoresis: Application to biochemical studies and human extracellular fluids. <i>Electrophoresis</i> , 1999, 20, 2111-2117.	2.4	47
78	Biomarkers of early stage osteoarthritis, rheumatoid arthritis and musculoskeletal health. <i>Scientific Reports</i> , 2015, 5, 9259.	3.3	47
79	Optimisation of an Advanced Oxidation Protein Products Assay: Its Application to Studies of Oxidative Stress in Diabetes Mellitus. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-10.	4.0	47
80	Ageing modifies the effects of beetroot juice supplementation on 24-hour blood pressure variability: An individual participant meta-analysis. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 47, 97-105.	2.7	47
81	On the mechanism by which dietary nitrate improves human skeletal muscle function. <i>Frontiers in Physiology</i> , 2015, 6, 211.	2.8	45
82	Effects of oxidative stress on some physiochemical properties of caeruloplasmin. <i>Biochemical Journal</i> , 1989, 258, 435-445.	3.7	43
83	Extent of oxidative modification of low density lipoprotein determines the degree of cytotoxicity to human coronary artery cells.. <i>Heart</i> , 1996, 75, 11-16.	2.9	43
84	Nitric Oxide and the Regulation of Apoptosis in Tumour Cells. <i>Current Pharmaceutical Design</i> , 2006, 12, 4445-4468.	1.9	41
85	Oxidative and other posttranslational modifications in extracellular vesicle biology. <i>Seminars in Cell and Developmental Biology</i> , 2015, 40, 8-16.	5.0	41
86	The Contribution of Hypoxia-Reperfusion Injury to Inflammatory Synovitis: The Influence of Reactive Oxygen Intermediates on the Transcriptional Control of Inflammation. <i>Annals of the New York Academy of Sciences</i> , 1994, 723, 308-317.	3.8	40
87	Human single-chain variable fragment that specifically targets arthritic cartilage. <i>Arthritis and Rheumatism</i> , 2010, 62, 1007-1016.	6.7	39
88	Changes in inflammatory gene expression induced by hyperbaric oxygen treatment in human endothelial cells under chronic wound conditions. <i>Experimental Cell Research</i> , 2012, 318, 207-216.	2.6	39
89	A Modified Form of Low-Density Lipoprotein with Increased Electronegative Charge is Present in Rheumatoid Arthritis Synovial Fluid. <i>Free Radical Biology and Medicine</i> , 1997, 22, 705-710.	2.9	38
90	7, 8-Dihydro-8-oxo-2'-deoxyguanosine present in DNA is not simply an artefact of isolation. <i>Carcinogenesis</i> , 1994, 15, 411-413.	2.8	36

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91	Graphene Oxide-Based Targeting of Extracellular Cathepsin D and Cathepsin L As A Novel Anti-Metastatic Enzyme Cancer Therapy. <i>Cancers</i> , 2019, 11, 319.	3.7	36
92	Thrombin in inflammation and healing: relevance to rheumatoid arthritis.. <i>Annals of the Rheumatic Diseases</i> , 1994, 53, 72-79.	0.9	35
93	Measurement of S-nitrosothiols in extracellular fluids from healthy human volunteers and rheumatoid arthritis patients, using electron paramagnetic resonance spectrometry. <i>Free Radical Biology and Medicine</i> , 2005, 39, 937-948.	2.9	34
94	Peroxiredoxin V in multiple sclerosis lesions: predominant expression by astrocytes. <i>Multiple Sclerosis Journal</i> , 2007, 13, 955-961.	3.0	32
95	Action of free radical generating systems upon the biological and immunological properties of caeruloplasmin. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1984, 16, 1273-1278.	0.5	31
96	Thrombin receptor expression in rheumatoid and osteoarthritic synovial tissue.. <i>Annals of the Rheumatic Diseases</i> , 1996, 55, 841-843.	0.9	31
97	Dietary nitrate accelerates postexercise muscle metabolic recovery and O <sub>2</sub> delivery in hypoxia. <i>Journal of Applied Physiology</i> , 2014, 117, 1460-1470.	2.5	31
98	Lymphocytes from rheumatoid arthritis patients have elevated levels of intracellular peroxiredoxin 2, and a greater frequency of cells with exofacial peroxiredoxin 2, compared with healthy human lymphocytes. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1223-1231.	2.8	30
99	The effect of substance P on nitric oxide release in a rheumatoid arthritis model. <i>Inflammation Research</i> , 2006, 55, 236-240.	4.0	29
100	Hyperbaric oxygen treatment reduces neutrophilâ€‘endothelial adhesion in chronic wound conditions through S-nitrosation. <i>Wound Repair and Regeneration</i> , 2013, 21, 860-868.	3.0	28
101	Detection and isolation of human serum autoantibodies that recognize oxidatively modified autoantigens. <i>Free Radical Biology and Medicine</i> , 2013, 57, 79-91.	2.9	27
102	Increased proteolytic cleavage of Î±1-antitrypsin (Î±1-proteinase inhibitor) in knee-joint synovial fluid from patients with rheumatoid arthritis. <i>Biochemical Society Transactions</i> , 1990, 18, 898-899.	3.4	26
103	Cysteine-Cystine Redox Cycling in a Goldâ€‘Gold Dual-Plate Generator-Collector Microtrench Sensor. <i>Analytical Chemistry</i> , 2014, 86, 6748-6752.	6.5	26
104	Investigating the bioavailability of graphene quantum dots in lung tissues via Fourier transform infrared spectroscopy. <i>Interface Focus</i> , 2018, 8, 20170054.	3.0	26
105	Copper-induced LDL peroxidation investigated by 1H-NMR spectroscopy. <i>Lipids and Lipid Metabolism</i> , 1995, 1256, 130-140.	2.6	25
106	Inactivation of synovial fluid Î±1-antitrypsin by exercise of the inflamed rheumatoid joint. <i>FEBS Letters</i> , 1993, 321, 274-278.	2.8	24
107	Network analysis of nitrate-sensitive oral microbiome reveals interactions with cognitive function and cardiovascular health across dietary interventions. <i>Redox Biology</i> , 2021, 41, 101933.	9.0	24
108	Reactive oxygen/nitrogen species and acute inflammation: A physiological process. , 2000, , 11-16.		23

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109	Formation and role of plasma S-nitrosothiols in liver ischemia-reperfusion injury. <i>Free Radical Biology and Medicine</i> , 2007, 42, 882-892.	2.9	23
110	Influence of N-acetylcysteine administration on pulmonary O <sub>2</sub> uptake kinetics and exercise tolerance in humans. <i>Respiratory Physiology and Neurobiology</i> , 2011, 175, 121-129.	1.6	23
111	Influence of inflammation and nitric oxide upon platelet aggregation following deposition of diesel exhaust particles in the airways. <i>British Journal of Pharmacology</i> , 2017, 174, 2130-2139.	5.4	23
112	Lowering of blood pressure after nitrate-rich vegetable consumption is abolished with the co-ingestion of thiocyanate-rich vegetables in healthy normotensive males. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 74, 39-46.	2.7	23
113	A Possible Role for Ferritin During Inflammation. <i>Free Radical Research Communications</i> , 1985, 1, 101-109.	1.8	22
114	Oxidative stress and its control: A pathogenetic role in inflammatory joint disease. <i>Biochemical Society Transactions</i> , 1993, 21, 371-375.	3.4	22
115	Activation of NF- $\kappa$ B in human osteoblasts by stimulators of bone resorption. <i>FEBS Letters</i> , 1999, 460, 315-320.	2.8	22
116	Improvement in blood pressure after short-term inorganic nitrate supplementation is attenuated in cigarette smokers compared to non-smoking controls. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 61, 29-37.	2.7	22
117	Altered cellular redox homeostasis and redox responses under standard oxygen cell culture conditions versus physioxia. <i>Free Radical Biology and Medicine</i> , 2018, 126, 322-333.	2.9	22
118	Xanthine oxidase: four roles for the enzyme in rheumatoid pathology. <i>Biochemical Society Transactions</i> , 1997, 25, 812-816.	3.4	21
119	Activation of the transcription factor NF-kappa B in the rat air pouch model of inflammation. <i>Annals of the Rheumatic Diseases</i> , 2000, 59, 303-307.	0.9	20
120	Determining the Site of Spin Trapping of the Equine Myoglobin Radical by Combined Use of EPR, Electrophoretic Purification, and Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2002, 15, 1589-1594.	3.3	20
121	A high-sensitivity electrochemiluminescence-based ELISA for the measurement of the oxidative stress biomarker, 3-nitrotyrosine, in human blood serum and cells. <i>Free Radical Biology and Medicine</i> , 2018, 120, 246-254.	2.9	20
122	Non-caeruloplasmin-bound copper (â€ˆphenanthroline copperâ€™™) is not detectable in fresh serum or synovial fluid from patients with rheumatoid arthritis. <i>Biochemical Journal</i> , 1987, 247, 245-247.	3.7	19
123	Impact of theophylline/corticosteroid combination therapy on sputum hydrogen sulfide levels in patients with COPD. <i>European Respiratory Journal</i> , 2014, 43, 1504-1506.	6.7	19
124	Effect of nitrate supplementation on hepatic blood flow and glucose homeostasis: a double-blind, placebo-controlled, randomized control trial. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G356-G364.	3.4	19
125	LIPID PEROXIDATION AND PARKINSON'S DISEASE. <i>Lancet, The</i> , 1986, 328, 870-871.	13.7	18
126	Nitrite/nitrate detection in serum based on dual-plate generatorâ€™“collector currents in a microtrench. <i>Talanta</i> , 2015, 131, 228-235.	5.5	18

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127	Changes in Apoptotic Gene Expression in Lymphocytes from Rheumatoid Arthritis and Systemic Lupus Erythematosus Patients Compared with Healthy Lymphocytes. <i>Journal of Clinical Immunology</i> , 2010, 30, 649-658.	3.8	17
128	Monocyte activation drives preservation of membrane thiols by promoting release of oxidised membrane moieties via extracellular vesicles. <i>Free Radical Biology and Medicine</i> , 2017, 108, 56-65.	2.9	17
129	Hydrogen peroxide and tumour necrosis factor- $\alpha$ induce NF- $\kappa$ B-DNA binding in primary human T lymphocytes in addition to T cell lines. <i>Free Radical Research</i> , 2001, 35, 681-691.	3.3	16
130	The natural organosulfur compound dipropyltetrasulfide prevents HOCl-induced systemic sclerosis in the mouse. <i>Arthritis Research and Therapy</i> , 2013, 15, R167.	3.5	16
131	Relationship Between Urinary Nitrate Excretion and Blood Pressure in the InChianti Cohort. <i>American Journal of Hypertension</i> , 2017, 30, 707-712.	2.0	16
132	Different oxygen treatment pressures alter inflammatory gene expression in human endothelial cells. <i>Undersea and Hyperbaric Medicine</i> , 2013, 40, 115-23.	0.3	16
133	Ascorbate promotes low density lipoprotein oxidation in the presence of ferritin. <i>Lipids and Lipid Metabolism</i> , 1996, 1304, 223-228.	2.6	14
134	The hydroxypyridinone iron chelator CP94 increases methyl-aminolevulinate-based photodynamic cell killing by increasing the generation of reactive oxygen species. <i>Redox Biology</i> , 2016, 9, 90-99.	9.0	14
135	Detection and Measurement of Reactive Oxygen Intermediates in Mitochondria and Cells. <i>Methods in Molecular Biology</i> , 2008, 476, 28-49.	0.9	13
136	S-nitrosothiols, and other products of nitrate metabolism, are increased in multiple human blood compartments following ingestion of beetroot juice. <i>Redox Biology</i> , 2021, 43, 101974.	9.0	13
137	An imaginative approach to synovitis—the role of hypoxic reperfusion damage in arthritis. <i>Journal of rheumatology Supplement</i> , The, 1993, 37, 26-31.	2.2	13
138	COPPER CHELATION AND THE NEURO-OPHTHALMIC TOXICITY OF DESFERRIOXAMINE. <i>Lancet</i> , The, 1986, 328, 1279.	13.7	12
139	Bleomycin-induced unscheduled DNA synthesis in non-permeabilized human and rat hepatocytes is not paralleled by 8-oxo-7,8-dihydrodeoxyguanosine formation. <i>Biochemical Pharmacology</i> , 1992, 44, 1255-1260.	4.4	12
140	Free radical pathways in the inflammatory response. <i>New Comprehensive Biochemistry</i> , 1994, , 361-383.	0.1	11
141	Inactivation of antithrombin III in synovial fluid from patients with rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 1998, 57, 162-165.	0.9	11
142	Characterization of the Radical Product Formed from the Reaction of Nitric Oxide with the Spin Trap 3,5-Dibromo-4-Nitrosobenzene Sulfonate. <i>Nitric Oxide - Biology and Chemistry</i> , 2001, 5, 116-127.	2.7	11
143	An Automated Method for the Kinetic Measurement of Ferroxidase Activity. <i>Annals of Clinical Biochemistry</i> , 1988, 25, 250-254.	1.6	10
144	Relationship between $\alpha$ 1-antitrypsin inactivation and tumor necrosis factor $\alpha$ concentration in the synovial fluid of patients with rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1994, 37, 1723-1726.	6.7	10

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145	Nitrite determination in human plasma and synovial fluid using reactions of nitric oxide with 3,5-dibromo-4-nitrosobenzenesulphonate (DBNBS). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1427, 276-286.	2.4	10
146	Renal nitrate clearance in chronic kidney disease. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 97, 16-19.	2.7	10
147	Nuclear transcription factors: potential targets for new modes of intervention in skin disease. <i>British Journal of Dermatology</i> , 1994, 131, 591-597.	1.5	9
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