Harry Ischiropoulos

List of Publications by Year
in descending order

168 papers	35,567 citations	8181 76 h-index	5829 161 g-index
205 all docs	205 docs citations	205 times ranked	38497 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Evaluation of the probe 2',7'-dichlorofluorescin as an indicator of reactive oxygen species formation and oxidative stress. Chemical Research in Toxicology, 1992, 5, 227-231.	3.3	2,374
3	Peroxynitrite: biochemistry, pathophysiology and development of therapeutics. Nature Reviews Drug Discovery, 2007, 6, 662-680.	46.4	1,732
4	Peroxynitrite-mediated tyrosine nitration catalyzed by superoxide dismutase. Archives of Biochemistry and Biophysics, 1992, 298, 431-437.	3.0	1,516
5	Oxidative Damage Linked to Neurodegeneration by Selective Î±-Synuclein Nitration in Synucleinopathy Lesions. Science, 2000, 290, 985-989.	12.6	1,498
6	Peroxynitrite formation from macrophage-derived nitric oxide. Archives of Biochemistry and Biophysics, 1992, 298, 446-451.	3.0	1,128
7	Blockade of Microglial Activation Is Neuroprotective in the 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine Mouse Model of Parkinson Disease. Journal of Neuroscience, 2002, 22, 1763-1771.	3.6	1,124
8	Biological Tyrosine Nitration: A Pathophysiological Function of Nitric Oxide and Reactive Oxygen Species. Archives of Biochemistry and Biophysics, 1998, 356, 1-11.	3.0	961
9	Kinetics of superoxide dismutase- and iron-catalyzed nitration of phenolics by peroxynitrite. Archives of Biochemistry and Biophysics, 1992, 298, 438-445.	3.0	784
10	Oxidative stress and nitration in neurodegeneration: Cause, effect, or association?. Journal of Clinical Investigation, 2003, 111, 163-169.	8.2	590
11	NADPH oxidase mediates oxidative stress in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model of Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6145-6150.	7.1	572
12	Peroxynitriteâ€mediated oxidative protein modifications. FEBS Letters, 1995, 364, 279-282.	2.8	553
13	Dopamine-modified Î±-synuclein blocks chaperone-mediated autophagy. Journal of Clinical Investigation, 2008, 118, 777-88.	8.2	531
14	Dityrosine Cross-linking Promotes Formation of Stable Î±-Synuclein Polymers. Journal of Biological Chemistry, 2000, 275, 18344-18349.	3.4	516
15	Antimicrobial Actions of the Nadph Phagocyte Oxidase and Inducible Nitric Oxide Synthase in Experimental Salmonellosis. I. Effects on Microbial Killing by Activated Peritoneal Macrophages in Vitro. Journal of Experimental Medicine, 2000, 192, 227-236.	8.5	488
16	T2R38 taste receptor polymorphisms underlie susceptibility to upper respiratory infection. Journal of Clinical Investigation, 2012, 122, 4145-4159.	8.2	474
17	Tyrosine nitration: Localisation, quantification, consequences for protein function and signal transduction. Free Radical Research, 2001, 34, 541-581.	3.3	473
18	Biological selectivity and functional aspects of protein tyrosine nitration. Biochemical and Biophysical Research Communications, 2003, 305, 776-783.	2.1	468

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19	A Tale of Two Controversies. Journal of Biological Chemistry, 2002, 277, 17415-17427.	3.4	452
20	DJ-1 gene deletion reveals that DJ-1 is an atypical peroxiredoxin-like peroxidase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14807-14812.	7.1	435
21	Induction of Î±-Synuclein Aggregation by Intracellular Nitrative Insult. Journal of Neuroscience, 2001, 21, 8053-8061.	3.6	412
22	Effects of peroxynitriteâ€induced protein modifications on tyrosine phosphorylation and degradation. FEBS Letters, 1996, 385, 63-66.	2.8	409
23	A Newly Identified Role for Superoxide in Inflammatory Pain. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 869-878.	2.5	350
24	Apolipoprotein A-I is a selective target for myeloperoxidase-catalyzed oxidation and functional impairment in subjects with cardiovascular disease. Journal of Clinical Investigation, 2004, 114, 529-541.	8.2	333
25	Cytochrome c Nitration by Peroxynitrite. Journal of Biological Chemistry, 2000, 275, 21409-21415.	3.4	321
26	Biological significance of nitric oxide-mediated protein modifications. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L262-L268.	2.9	309
27	Factors Determining the Selectivity of Protein Tyrosine Nitration. Archives of Biochemistry and Biophysics, 1999, 371, 169-178.	3.0	306
28	Carbon Dioxide Enhancement of Peroxynitrite-Mediated Protein Tyrosine Nitration. Archives of Biochemistry and Biophysics, 1996, 333, 42-48.	3.0	304
29	Oxidative stress and nitration in neurodegeneration: Cause, effect, or association?. Journal of Clinical Investigation, 2003, 111, 163-169.	8.2	295
30	A Novel Reaction Mechanism for the Formation of S-Nitrosothiol in Vivo. Journal of Biological Chemistry, 1997, 272, 2841-2845.	3.4	273
31	Basal and Stimulated Protein S-Nitrosylation in Multiple Cell Types and Tissues. Journal of Biological Chemistry, 2002, 277, 9637-9640.	3.4	269
32	Widespread Nitration of Pathological Inclusions in Neurodegenerative Synucleinopathies. American Journal of Pathology, 2000, 157, 1439-1445.	3.8	256
33	Identification of S-nitrosylation motifs by site-specific mapping of the S-nitrosocysteine proteome in human vascular smooth muscle cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7420-7425.	7.1	253
34	The relationship between oxidative/nitrative stress and pathological inclusions in Alzheimerâ€™s and Parkinsonâ€™s diseases1,2 11Guest Editors: Mark A. Smith and George Perry 22This article is part of a series of reviews on â€œCauses and Consequences of Oxidative Stress in Alzheimerâ€™s Disease.â€•The full list of papers may be found on the homepage of the journal.. Free Radical Biology and Medicine, 2002, 32, 1264-1275.	2.9	252
35	Regulation of Protein Function and Signaling by Reversible Cysteine S-Nitrosylation. Journal of Biological Chemistry, 2013, 288, 26473-26479.	3.4	252
36	Effect of Inorganic Nitrate on Exercise Capacity in Heart Failure With Preserved Ejection Fraction. Circulation, 2015, 131, 371-380.	1.6	251

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37	Reversible Inhibition of Î±-Synuclein Fibrillization by Dopaminochrome-mediated Conformational Alterations*. Journal of Biological Chemistry, 2005, 280, 21212-21219.	3.4	248
38	Even free radicals should follow some rules: A Guide to free radical research terminology and methodology. Free Radical Biology and Medicine, 2015, 78, 233-235.	2.9	241
39	Proteolytic Degradation of Tyrosine Nitrated Proteins. Archives of Biochemistry and Biophysics, 2000, 380, 360-366.	3.0	237
40	Functional Consequences of Î±-Synuclein Tyrosine Nitration. Journal of Biological Chemistry, 2004, 279, 47746-47753.	3.4	237
41	Structural profiling of endogenous S-nitrosocysteine residues reveals unique features that accommodate diverse mechanisms for protein S-nitrosylation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16958-16963.	7.1	236
42	The inflammatory NADPH oxidase enzyme modulates motor neuron degeneration in amyotrophic lateral sclerosis mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12132-12137.	7.1	228
43	Endotoxin triggers the expression of an inducible isoform of nitric oxide synthase and the formation of peroxynitrite in the rat aorta in vivo. FEBS Letters, 1995, 363, 235-238.	2.8	215
44	Mutational analysis of DJ-1 in Drosophila implicates functional inactivation by oxidative damage and aging. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12517-12522.	7.1	213
45	Nitric Oxide Regulates Mitochondrial Fatty Acid Metabolism Through Reversible Protein <i>S</i> -Nitrosylation. Science Signaling, 2013, 6, rs1.	3.6	212
46	Cigarette Smoke Exposure and Hypercholesterolemia Increase Mitochondrial Damage in Cardiovascular Tissues. Circulation, 2002, 105, 849-854.	1.6	210
47	Pro-thrombotic State Induced by Post-translational Modification of Fibrinogen by Reactive Nitrogen Species. Journal of Biological Chemistry, 2004, 279, 8820-8826.	3.4	201
48	Chaperone-like activity of synucleins. FEBS Letters, 2000, 474, 116-119.	2.8	196
49	Protein tyrosine nitrationâ€"An update. Archives of Biochemistry and Biophysics, 2009, 484, 117-121.	3.0	187
50	Oxidative post-translational modifications of Î±-synuclein in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) mouse model of Parkinson's disease. Journal of Neurochemistry, 2001, 76, 637-640.	3.9	184
51	On the pH-dependent yield of hydroxyl radical products from peroxynitrite. Free Radical Biology and Medicine, 1994, 16, 331-338.	2.9	183
52	Nitration of Tau Protein Is Linked to Neurodegeneration in Tauopathies. American Journal of Pathology, 2003, 163, 1021-1031.	3.8	183
53	Reactive Oxygen and Nitrogen Species: Weapons of Neuronal Destruction in Models of Parkinson's Disease. Antioxidants and Redox Signaling, 2005, 7, 685-693.	5.4	182
54	Dopamine induces soluble Î±-synuclein oligomers and nigrostriatal degeneration. Nature Neuroscience, 2017, 20, 1560-1568.	14.8	181

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55	Co-compartmentalization of the Astroglial Glutamate Transporter, GLT-1, with Glycolytic Enzymes and Mitochondria. Journal of Neuroscience, 2011, 31, 18275-18288.	3.6	175
56	Effects of Oxidative and Nitrative Challenges on Î±-Synuclein Fibrillogenesis Involve Distinct Mechanisms of Protein Modifications. Journal of Biological Chemistry, 2003, 278, 27230-27240.	3.4	164
57	Vascular Endothelial Cells Generate Peroxynitrite in Response to Carbon Monoxide Exposure. Chemical Research in Toxicology, 1997, 10, 1023-1031.	3.3	160
58	Nitric Oxide and Reactive Oxygen Species in Parkinson's Disease. IUBMB Life, 2003, 55, 329-335.	3.4	157
59	Nitration and Inactivation of Tyrosine Hydroxylase by Peroxynitrite. Journal of Biological Chemistry, 2001, 276, 46017-46023.	3.4	156
60	Peroxynitrite-mediated oxidation of dihydrorhodamine 123 occurs in early stages of endotoxic and hemorrhagic shock and ischemia-reperfusion injury. FEBS Letters, 1995, 372, 229-232.	2.8	152
61	Diet-Induced Circadian Enhancer Remodeling Synchronizes Opposing Hepatic Lipid Metabolic Processes. Cell, 2018, 174, 831-842.e12.	28.9	150
62	Distinct cleavage patterns of normal and pathologic forms of Î±-synuclein by calpain I in vitro. Journal of Neurochemistry, 2003, 86, 836-847.	3.9	147
63	Nitric oxide chemistry and cellular signaling. Journal of Cellular Physiology, 2001, 187, 277-282.	4.1	140
64	Cytosolic Catechols Inhibit Â-Synuclein Aggregation and Facilitate the Formation of Intracellular Soluble Oligomeric Intermediates. Journal of Neuroscience, 2006, 26, 10068-10078.	3.6	135
65	Plasma proteins modified by tyrosine nitration in acute respiratory distress syndrome. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L961-L967.	2.9	126
66	Cooperation between Reactive Oxygen and Nitrogen Intermediates in Killing of Rhodococcus equi by Activated Macrophages. Infection and Immunity, 2000, 68, 3587-3593.	2.2	125
67	Site-Specific Proteomic Mapping Identifies Selectively Modified Regulatory Cysteine Residues in Functionally Distinct Protein Networks. Chemistry and Biology, 2015, 22, 965-975.	6.0	119
68	Oxidative modifications, mitochondrial dysfunction, and impaired protein degradation in Parkinson's disease: how neurons are lost in the Bermuda triangle. Molecular Neurodegeneration, 2009, 4, 24.	10.8	118
69	Regulation of brain glutamate metabolism by nitric oxide and S-nitrosylation. Science Signaling, 2015, 8, ra68.	3.6	108
70	Quantitative Mass Spectrometry-based Proteomics Reveals the Dynamic Range of Primary Mouse Astrocyte Protein Secretion. Journal of Proteome Research, 2010, 9, 2764-2774.	3.7	100
71	Mitochondrial respiratory chain dysfunction variably increases oxidant stress in Caenorhabditis elegans. Mitochondrion, 2010, 10, 125-136.	3.4	91
72	Distinct Region-Specific Î±-Synuclein Oligomers in A53T Transgenic Mice: Implications for Neurodegeneration. Journal of Neuroscience, 2010, 30, 3409-3418.	3.6	89

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73	Cellular Oligomerization of Î±-Synuclein Is Determined by the Interaction of Oxidized Catechols with a C-terminal Sequence. Journal of Biological Chemistry, 2007, 282, 31621-31630.	3.4	84
74	Functional impact of oxidative posttranslational modifications on fibrinogen and fibrin clots. Free Radical Biology and Medicine, 2013, 65, 411-418.	2.9	83
75	Fibrinogen Î²-Chain Tyrosine Nitration Is a Prothrombotic Risk Factor. Journal of Biological Chemistry, 2008, 283, 33846-33853.	3.4	81
76	Subcellular localization of tyrosine-nitrated proteins is dictated by reactive oxygen species generating enzymes and by proximity to nitric oxide synthase. Free Radical Biology and Medicine, 2006, 40, 1903-1913.	2.9	78
77	Crystal structure of peroxynitrite-modified bovine Cu,Zn superoxide dismutase. Archives of Biochemistry and Biophysics, 1992, 299, 350-355.	3.0	75
78	Oxidative Modifications of Î±â€Synuclein. Annals of the New York Academy of Sciences, 2003, 991, 93-100.	3.8	75
79	Peroxynitriteâ€Mediated Inhibition of DOPA Synthesis in PC12 Cells. Journal of Neurochemistry, 1995, 65, 2366-2372.	3.9	73
80	Sphingosine-1â€“Phosphate Receptorâ€“3 Is a Novel Biomarker in Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 628-636.	2.9	73
81	Pathophysiological functions of nitric oxide-mediated protein modifications. Toxicology, 2005, 208, 299-303.	4.2	71
82	Expression of Inducible Nitric-oxide Synthase and Intracellular Protein Tyrosine Nitration in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2003, 278, 22901-22907.	3.4	67
83	Mass spectrometric and computational analysis of cytokineâ€induced alterations in the astrocyte secretome. Proteomics, 2009, 9, 768-782.	2.2	66
84	Evidence of Native Î±-Synuclein Conformers in the Human Brain. Journal of Biological Chemistry, 2014, 289, 7929-7934.	3.4	66
85	Dynamic structural flexibility of Î±-synuclein. Neurobiology of Disease, 2016, 88, 66-74.	4.4	65
86	The usual suspects, dopamine and alphaâ€synuclein, conspire to cause neurodegeneration. Movement Disorders, 2019, 34, 167-179.	3.9	62
87	Oxidant-mediated lung injury in the acute respiratory distress syndrome. Critical Care Medicine, 1999, 27, 2028-2030.	0.9	61
88	S-Nitrosylation of Calcium-Handling Proteins in Cardiac Adrenergic Signaling and Hypertrophy. Circulation Research, 2015, 117, 793-803.	4.5	60
89	Metabolism of 3-Nitrotyrosine Induces Apoptotic Death in Dopaminergic Cells. Journal of Neuroscience, 2006, 26, 6124-6130.	3.6	58
90	The 4â€cysteine zincâ€finger motif of the <scp>RNA</scp> polymerase regulator <scp>DksA</scp> serves as a thiol switch for sensing oxidative and nitrosative stress. Molecular Microbiology, 2014, 91, 790-804.	2.5	58

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91	Lymphocyte Development Requires<i>S</i>-nitrosoglutathione Reductase. Journal of Immunology, 2010, 185, 6664-6669.	0.8	56
92	Protein Microarray Characterization of the S-Nitrosoproteome. Molecular and Cellular Proteomics, 2014, 13, 63-72.	3.8	56
93	Vascular Immunotargeting of Glucose Oxidase to the Endothelial Antigens Induces Distinct Forms of Oxidant Acute Lung Injury. American Journal of Pathology, 2002, 160, 1155-1169.	3.8	55
94	Increased Protein Nitration Burden in the Atherosclerotic Lesions and Plasma of Apolipoprotein A-Iâ€“Deficient Mice. Circulation Research, 2007, 101, 368-376.	4.5	55
95	Pharmacokinetics and Pharmacodynamics of Inorganic Nitrate in Heart Failure With Preserved Ejection Fraction. Circulation Research, 2017, 120, 1151-1161.	4.5	52
96	Release of glutathione from erythrocytes and other markers of oxidative stress in carbon monoxide poisoning. Journal of Applied Physiology, 1997, 82, 1424-1432.	2.5	51
97	In Vivo Formation of Electron Paramagnetic Resonance-Detectable Nitric Oxide and of Nitrotyrosine Is Not Impaired during Murine Leishmaniasis. Infection and Immunity, 1998, 66, 807-814.	2.2	51
98	Regional deficiencies in chaperone-mediated autophagy underlie Î±-synuclein aggregation and neurodegeneration. Neurobiology of Disease, 2012, 46, 732-744.	4.4	49
99	SIN-1-induced DNA damage in isolated human peripheral blood lymphocytes as assessed by single cell gel electrophoresis (comet assay). Free Radical Biology and Medicine, 2001, 30, 679-685.	2.9	48
100	The Metabolomic Signature of the Placenta in Spontaneous Preterm Birth. International Journal of Molecular Sciences, 2020, 21, 1043.	4.1	47
101	Identification of Immunoglobulins that Recognize 3-Nitrotyrosine in Patients with Acute Lung Injury after Major Trauma. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 152-157.	2.9	46
102	Reactions of nitric oxide and peroxynitrite with organic molecules and ferrihorseradish peroxidase: Interference with the determination of hydrogen peroxide. Free Radical Biology and Medicine, 1996, 20, 373-381.	2.9	45
103	Immunoglobulins Against Tyrosine-Nitrated Epitopes in Coronary Artery Disease. Circulation, 2012, 126, 2392-2401.	1.6	45
104	Host Nitric Oxide Disrupts Microbial Cell-to-Cell Communication to Inhibit Staphylococcal Virulence. Cell Host and Microbe, 2018, 23, 594-606.e7.	11.0	43
105	Endothelial cell oxidant generation during K+-induced membrane depolarization. , 1996, 166, 274-280.		41
106	Nitric oxideâ€“nitric oxide synthase regulates key maturational events during chondrocyte terminal differentiation. Bone, 2005, 37, 37-45.	2.9	40
107	The susceptibility of bioprosthetic heart valve leaflets to oxidation. Biomaterials, 2014, 35, 2097-2102.	11.4	38
108	Pulmonary Vascular Stress from Carbon Monoxide. Toxicology and Applied Pharmacology, 1999, 154, 12-19.	2.8	37

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109	Enhanced lysis and accelerated establishment of viscoelastic properties of fibrin clots are associated with pulmonary embolism. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L397-L404.	2.9	37
110	Immunohistochemical Localization of Protein 3-Nitrotyrosine and S-nitrosocysteine in a Murine Model of Inhaled Nitric Oxide Therapy. Pediatric Research, 2000, 47, 798-805.	2.3	36
111	Heart Failure, Left Ventricular Remodeling, and Circulating Nitric Oxide Metabolites. Journal of the American Heart Association, 2016, 5, .	3.7	35
112	Nitric oxide and peroxynitrite-mediated pulmonary cell death. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L112-L118.	2.9	34
113	PPARdelta activation induces metabolic and contractile maturation of human pluripotent stem cell-derived cardiomyocytes. Cell Stem Cell, 2022, 29, 559-576.e7.	11.1	34
114	Nitric Oxide Antagonizes the Acid Tolerance Response that Protects Salmonella against Innate Gastric Defenses. PLoS ONE, 2008, 3, e1833.	2.5	33
115	Two distinct mechanisms of nitric oxide-mediated neuronal cell death show thiol dependency. American Journal of Physiology - Cell Physiology, 2000, 278, C1099-C1107.	4.6	32
116	Induction of the Immunoproteasome Subunit Lmp7 Links Proteostasis and Immunity in Î±-Synuclein Aggregation Disorders. EBioMedicine, 2018, 31, 307-319.	6.1	32
117	Nitric Oxide Stimulates Proliferation and Differentiation of Fetal Calvarial Osteoblasts and Dural Cells. Plastic and Reconstructive Surgery, 2008, 121, 1554-1566.	1.4	31
118	DJ-1 deficient mice demonstrate similar vulnerability to pathogenic Ala53Thr human Â-syn toxicity. Human Molecular Genetics, 2010, 19, 1425-1437.	2.9	31
119	Strategies and tools to explore protein S-nitrosylation. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 684-688.	2.4	31
120	Nitrated fibrinogen is a biomarker of oxidative stress in venous thromboembolism. Free Radical Biology and Medicine, 2012, 53, 230-236.	2.9	31
121	Cyclized NDGA modifies dynamic Î±-synuclein monomers preventing aggregation and toxicity. Scientific Reports, 2019, 9, 2937.	3.3	31
122	Inflammation induces fibrinogen nitration in experimental human endotoxemia. Free Radical Biology and Medicine, 2009, 47, 1140-1146.	2.9	30
123	Nitric Oxide Disrupts Zinc Homeostasis in Salmonella enterica Serovar Typhimurium. MBio, 2018, 9, .	4.1	30
124	Living and dying with reactive species Focus on â€œPeroxynitrite induces apoptosis of HL-60 cells by activation of a caspase-3 family proteaseâ€• American Journal of Physiology - Cell Physiology, 1998, 274, C853-C854.	4.6	28
125	Systematic elucidation of neuron-astrocyte interaction in models of amyotrophic lateral sclerosis using multi-modal integrated bioinformatics workflow. Nature Communications, 2020, 11, 5579.	12.8	28
126	Effect of interferon inducers on superoxide anion generation from rat liver microsomes detected by lucigenin chemiluminescence. Biochemical and Biophysical Research Communications, 1989, 161, 1042-1048.	2.1	27

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127	Detection of Free and Protein-Bound <i>ortho</i>-Quinones by Near-Infrared Fluorescence. Analytical Chemistry, 2016, 88, 2399-2405.	6.5	26
128	Human Placental Transcriptome Reveals Critical Alterations in Inflammation and Energy Metabolism with Fetal Sex Differences in Spontaneous Preterm Birth. International Journal of Molecular Sciences, 2021, 22, 7899.	4.1	26
129	Proteomic Identification of S-Nitrosylated Golgi Proteins: New Insights into Endothelial Cell Regulation by eNOS-Derived NO. PLoS ONE, 2012, 7, e31564.	2.5	25
130	Mass spectrometry-based identification of S-nitrosocysteine in vivo using organic mercury assisted enrichment. Methods, 2013, 62, 165-170.	3.8	25
131	Neutralizing Th2 Inflammation in Neonatal Islets Prevents Î²-Cell Failure in Adult IUGR Rats. Diabetes, 2014, 63, 1672-1684.	0.6	25
132	Site-Specific Fluorescence Polarization for Studying the Disaggregation of Î±-Synuclein Fibrils by Small Molecules. Biochemistry, 2017, 56, 683-691.	2.5	24
133	Autologous Apoptotic Cell Engulfment Stimulates Chemokine Secretion by Vascular Smooth Muscle Cells. American Journal of Pathology, 2005, 167, 345-353.	3.8	23
134	Site specific identification of endogenous S-nitrosocysteine proteomes. Journal of Proteomics, 2013, 92, 195-203.	2.4	23
135	Plasma 3-NITROTYROSINE and outcome in neonates with severe bronchopulmonary dysplasia after inhaled nitric oxide. Free Radical Biology and Medicine, 2003, 34, 1146-1152.	2.9	21
136	Effect of aging on pulmonary superoxide dismutase. Mechanisms of Ageing and Development, 1990, 52, 11-26.	4.6	17
137	Pulmonary and Systemic Nitric Oxide Metabolites in a Baboon Model of Neonatal Chronic Lung Disease. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 582-588.	2.9	17
138	'Multipurpose oxidase' in atherogenesis. Nature Medicine, 2007, 13, 1146-1147.	30.7	16
139	The Convergence of Dopamine and Î±-Synuclein: Implications for Parkinsonâ€™s Disease. Journal of Experimental Neuroscience, 2018, 12, 117906951876136.	2.3	16
140	Multimodality assessment of heart failure with preserved ejection fraction skeletal muscle reveals differences in the machinery of energy fuel metabolism. ESC Heart Failure, 2021, 8, 2698-2712.	3.1	16
141	Oxygen Tension and Inhaled Nitric Oxide Modulate Pulmonary Levels of S-Nitrosocysteine and 3-Nitrotyrosine in Rats. Pediatric Research, 2004, 56, 345-352.	2.3	15
142	Effect of Heart Failure With Preserved Ejection Fraction on Nitric Oxide Metabolites. American Journal of Cardiology, 2016, 118, 1855-1860.	1.6	15
143	ASS1 and ASL suppress growth in clear cell renal cell carcinoma via altered nitrogen metabolism. Cancer & Metabolism, 2021, 9, 40.	5.0	14
144	Parkinson's disease-like neuromuscular defects occur in prenyl diphosphate synthase subunit 2 (Pdss2) mutant mice. Mitochondrion, 2012, 12, 248-257.	3.4	13

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145	The effects of the covalent attachment of 3-(4-hydroxy-3,5-di<i>-tert-</i>butylphenyl) propyl amine to glutaraldehyde pretreated bovine pericardium on structural degeneration, oxidative modification, and calcification of rat subdermal implants. Journal of Biomedical Materials Research - Part A, 2015, 103, 2441-2448.	4.0	13
146	AMPA Receptor Surface Expression Is Regulated by S-Nitrosylation of Thorase and Transnitrosylation of NSF. Cell Reports, 2020, 33, 108329.	6.4	12
147	Reactive Nitrogen Species and Proteins: Biological Significance and Clinical Relevance. Advances in Experimental Medicine and Biology, 2001, 500, 169-174.	1.6	11
148	Electrochemical Detection of Nitric Oxide in Biological Systems. Microchemical Journal, 1997, 56, 146-154.	4.5	9
149	Oral nitrite restores age-dependent phenotypes in eNOS-null mice. JCI Insight, 2018, 3, .	5.0	9
150	Opposing Regulation of Human Alveolar Type II Cell Differentiation by Nitric Oxide and Hyperoxia. Pediatric Research, 2010, 67, 521-525.	2.3	8
151	Endogenous S-nitrosocysteine proteomic inventories identify a core of proteins in heart metabolic pathways. Redox Biology, 2021, 47, 102153.	9.0	8
152	Strategies for Correcting Very Long Chain Acyl-CoA Dehydrogenase Deficiency. Journal of Biological Chemistry, 2015, 290, 10486-10494.	3.4	7
153	Nitric oxide counteracts the hyperoxia-induced proliferation and proinflammatory responses of mouse astrocytes. Free Radical Biology and Medicine, 2011, 51, 474-479.	2.9	6
154	TCA cycle metabolic compromise due to an aberrant S-nitrosoproteome in HIV-associated neurocognitive disorder with methamphetamine use. Journal of NeuroVirology, 2021, 27, 367-378.	2.1	6
155	Mitochondrial morphology, bioenergetics and proteomic responses in fatty acid oxidation disorders. Redox Biology, 2021, 41, 101923.	9.0	6
156	Intermittent Hydrostatic Compression Promotes Nitric Oxide Production and Osteodifferentiation of Fetal Dural Cells. Annals of Plastic Surgery, 2005, 55, 76-80.	0.9	5
157	The effect of dietary nitrate on exercise capacity in chronic kidney disease: a randomized controlled pilot study. Nitric Oxide - Biology and Chemistry, 2021, 106, 17-23.	2.7	5
158	A Comparison of the Biological Reactivity of Nitric Oxide and Peroxynitrite. , 2000, , 83-89.		4
159	Oxidative Stress and Protein Deposition Diseases. , 2006, , 123-133.		4
160	Organic mercury solid phase chemoselective capture for proteomic identification of S-nitrosated proteins and peptides. Nitric Oxide - Biology and Chemistry, 2021, 117, 1-6.	2.7	3
161	Reactive species and signal transduction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L583-L584.	2.9	2
162	Inorganic Nitrate Supplementation Improves Exercise Capacity in Subjects with HF with Preserved EF - A Pilot Study. Journal of Cardiac Failure, 2014, 20, S4.	1.7	2

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163	Gaseous Signaling in the Central Nervous System. , 2015, , 1-16.		1
164	Protein Modifications by Nitric Oxide and Reactive Nitrogen Species. , 2005, , 23-26.		1
165	Gaseous Signaling in the Central Nervous System. , 2016, , 3121-3136.		1
166	Detection of Peroxynitrite in Biological Fluids. , 2000, 36, 171-178.		0
167	Functional and structural analysis of the mouse S-nitrosocysteine proteome. Nitric Oxide - Biology and Chemistry, 2012, 27, S2.	2.7	0
168	Metabolic and Inflamatory Proteins Differently Expressed in Platelets From Deep Venous Thrombosis Patients. Blood, 2011, 118, 5256-5256.	1.4	0