

# David A Wink

## List of Publications by Year in descending order

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236  
papers

30,557  
citations

3159

92  
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4885

168  
g-index

240  
all docs

240  
docs citations

240  
times ranked

25625  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Rapid, Simple Spectrophotometric Method for Simultaneous Detection of Nitrate and Nitrite. Nitric Oxide - Biology and Chemistry, 2001, 5, 62-71.	2.7	2,859
2	Chemical biology of nitric oxide: insights into regulatory, cytotoxic, and cytoprotective mechanisms of nitric oxide. Free Radical Biology and Medicine, 1998, 25, 434-456.	2.9	1,369
3	The chemical biology of nitric oxide: Implications in cellular signaling. Free Radical Biology and Medicine, 2008, 45, 18-31.	2.9	809
4	Complexes of .NO with nucleophiles as agents for the controlled biological release of nitric oxide. Vasorelaxant effects. Journal of Medicinal Chemistry, 1991, 34, 3242-3247.	6.4	730
5	“NONOates” (1-substituted diazen-1-ium-1,2-diols) as nitric oxide donors: Convenient nitric oxide dosage forms. Methods in Enzymology, 1996, 268, 281-293.	1.0	603
6	Nitric oxide and redox mechanisms in the immune response. Journal of Leukocyte Biology, 2011, 89, 873-891.	3.3	603
7	New nitric oxide-releasing zwitterions derived from polyamines. Journal of Organic Chemistry, 1993, 58, 1472-1476.	3.2	594
8	Methods for detection of reactive metabolites of oxygen and nitrogen: in vitro and in vivo considerations. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R431-R444.	1.8	539
9	Reactions of the bioregulatory agent nitric oxide in oxygenated aqueous media: Determination of the kinetics for oxidation and nitrosation by intermediates generated in the nitric oxide/oxygen reaction. Chemical Research in Toxicology, 1993, 6, 23-27.	3.3	497
10	Cannabidiol Attenuates Cardiac Dysfunction, Oxidative Stress, Fibrosis, and Inflammatory and Cell Death Signaling Pathways in Diabetic Cardiomyopathy. Journal of the American College of Cardiology, 2010, 56, 2115-2125.	2.8	389
11	Autoxidation kinetics of aqueous nitric oxide. FEBS Letters, 1993, 326, 1-3.	2.8	377
12	Reaction Kinetics for Nitrosation of Cysteine and Glutathione in Aerobic Nitric Oxide Solutions at Neutral pH. Insights into the Fate and Physiological Effects of Intermediates Generated in the NO/O <sub>2</sub> Reaction. Chemical Research in Toxicology, 1994, 7, 519-525.	3.3	370
13	Nitric oxide-induced cellular stress and p53 activation in chronic inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 143-148.	7.1	343
14	Mechanisms of the Antioxidant Effects of Nitric Oxide. Antioxidants and Redox Signaling, 2001, 3, 203-213.	5.4	341
15	Redox chemistry and chemical biology of H <sub>2</sub> S, hydropersulfides, and derived species: Implications of their possible biological activity and utility. Free Radical Biology and Medicine, 2014, 77, 82-94.	2.9	340
16	The reduction potential of nitric oxide (NO) and its importance to NO biochemistry. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10958-10963.	7.1	339
17	Small Molecule Signaling Agents: The Integrated Chemistry and Biochemistry of Nitrogen Oxides, Oxides of Carbon, Dioxide, Hydrogen Sulfide, and Their Derived Species. Chemical Research in Toxicology, 2012, 25, 769-793.	3.3	330
18	Positive inotropic and lusitropic effects of HNO/NO- in failing hearts: Independence from $\alpha$ -adrenergic signaling. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5537-5542.	7.1	302

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19	Modulation of Superoxide-dependent Oxidation and Hydroxylation Reactions by Nitric Oxide. Journal of Biological Chemistry, 1996, 271, 40-47.	3.4	297
20	Nitric oxide regulates angiogenesis through a functional switch involving thrombospondin-1. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13147-13152.	7.1	269
21	A biochemical rationale for the discrete behavior of nitroxyl and nitric oxide in the cardiovascular system. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9196-9201.	7.1	265
22	Hypoxic inducible factor 1 $\alpha$ , extracellular signal-regulated kinase, and p53 are regulated by distinct threshold concentrations of nitric oxide. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8894-8899.	7.1	263
23	The chemistry of nitrosative stress induced by nitric oxide and reactive nitrogen oxide species. Putting perspective on stressful biological situations. Biological Chemistry, 2004, 385, 1-10.	2.5	256
24	ROLE OF NITRIC OXIDE IN NMDA-EVOKED RELEASE OF [3H]-DOPAMINE FROM STRIATAL SLICES. NeuroReport, 1992, 3, 409-412.	1.2	248
25	Chemical biology of nitric oxide: Regulation and protective and toxic mechanisms. Current Topics in Cellular Regulation, 1996, 34, 159-187.	9.6	247
26	CD47 Is Necessary for Inhibition of Nitric Oxide-stimulated Vascular Cell Responses by Thrombospondin-1. Journal of Biological Chemistry, 2006, 281, 26069-26080.	3.4	245
27	Oxidative stress, redox, and the tumor microenvironment. Seminars in Radiation Oncology, 2004, 14, 259-266.	2.2	244
28	Thrombospondin-1 inhibits endothelial cell responses to nitric oxide in a cGMP-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13141-13146.	7.1	244
29	The Reactive Species Interactome: Evolutionary Emergence, Biological Significance, and Opportunities for Redox Metabolomics and Personalized Medicine. Antioxidants and Redox Signaling, 2017, 27, 684-712.	5.4	244
30	Nitric oxide orchestrates metabolic rewiring in M1 macrophages by targeting aconitase 2 and pyruvate dehydrogenase. Nature Communications, 2020, 11, 698.	12.8	232
31	I. Physiological chemistry of nitric oxide and its metabolites: implications in inflammation. American Journal of Physiology - Renal Physiology, 1999, 276, G315-G321.	3.4	228
32	The pharmacology of nitroxyl (HNO) and its therapeutic potential: Not just the janus face of NO11This review is dedicated to the career of Prof. Herbert T. Nagasawa, a pioneer in the field of HNO chemistry, biochemistry and pharmacology.., 2007, 113, 442-458.		222
33	The Biphasic Nature of Nitric Oxide Responses in Tumor Biology. Antioxidants and Redox Signaling, 2006, 8, 1329-1337.	5.4	217
34	Reaction of Superoxide and Nitric Oxide with Peroxynitrite. Journal of Biological Chemistry, 2001, 276, 28799-28805.	3.4	214
35	The Effect of Various Nitric Oxide-Donor Agents on Hydrogen Peroxide-Mediated Toxicity: A Direct Correlation between Nitric Oxide Formation and Protection. Archives of Biochemistry and Biophysics, 1996, 331, 241-248.	3.0	209
36	Nitroxyl Improves Cellular Heart Function by Directly Enhancing Cardiac Sarcoplasmic Reticulum Ca <sup>2+</sup> Cycling. Circulation Research, 2007, 100, 96-104.	4.5	209

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37	Biological nitric oxide signalling: chemistry and terminology. British Journal of Pharmacology, 2013, 169, 1417-1429.	5.4	205
38	Increased NOS2 predicts poor survival in estrogen receptor- negative breast cancer patients. Journal of Clinical Investigation, 2010, 120, 3843-3854.	8.2	202
39	The Cytotoxicity of Nitroxyl: Possible Implications for the Pathophysiological Role of NO. Archives of Biochemistry and Biophysics, 1998, 351, 66-74.	3.0	200
40	Chemistry of the Diazeniumdiolates. 2. Kinetics and Mechanism of Dissociation to Nitric Oxide in Aqueous Solution. Journal of the American Chemical Society, 2001, 123, 5473-5481.	13.7	199
41	Nitroxyl affords thiol-sensitive myocardial protective effects akin to early preconditioning. Free Radical Biology and Medicine, 2003, 34, 33-43.	2.9	193
42	Inhibition by nitric oxide of the repair protein, O6-DNA-methyltransferase. Carcinogenesis, 1994, 15, 443-447.	2.8	190
43	Nitric oxide regulates matrix metalloproteinase-9 activity by guanylyl-cyclase-dependent and -independent pathways. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16898-16903.	7.1	188
44	Protein nitration is mediated by heme and free metals through Fenton-type chemistry: An alternative to the NO/O <sub>2</sub> reaction. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12691-12696.	7.1	184
45	CD47 in the Tumor Microenvironment Limits Cooperation between Antitumor T-cell Immunity and Radiotherapy. Cancer Research, 2014, 74, 6771-6783.	0.9	179
46	Thrombospondin-1 stimulates platelet aggregation by blocking the antithrombotic activity of nitric oxide/cGMP signaling. Blood, 2008, 111, 613-623.	1.4	173
47	Superoxide Modulates the Oxidation and Nitrosation of Thiols by Nitric Oxide-derived Reactive Intermediates. Journal of Biological Chemistry, 1997, 272, 11147-11151.	3.4	172
48	Molecular mechanisms for discrete nitric oxide levels in cancer. Nitric Oxide - Biology and Chemistry, 2008, 19, 73-76.	2.7	172
49	A Spectrophotometric Method for the Direct Detection and Quantitation of Nitric Oxide, Nitrite, and Nitrate in Cell Culture Media. Analytical Biochemistry, 2000, 281, 223-229.	2.4	170
50	The Fpg protein, a DNA repair enzyme, is inhibited by the biomediator nitric oxide in vitro and in vivo. Carcinogenesis, 1994, 15, 2125-2129.	2.8	165
51	The Physiological Chemistry and Biological Activity of Nitroxyl (HNO): The Neglected, Misunderstood, and Enigmatic Nitrogen Oxide. Chemical Research in Toxicology, 2005, 18, 790-801.	3.3	165
52	Biological hydropersulfides and related polysulfides - a new concept and perspective in redox biology. FEBS Letters, 2018, 592, 2140-2152.	2.8	164
53	Focusing of nitric oxide mediated nitrosation and oxidative nitrosylation as a consequence of reaction with superoxide. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11127-11132.	7.1	163
54	Cannabidiol protects against hepatic ischemia/reperfusion injury by attenuating inflammatory signaling and response, oxidative/nitrative stress, and cell death. Free Radical Biology and Medicine, 2011, 50, 1368-1381.	2.9	163

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55	Itaconic acid mediates crosstalk between macrophage metabolism and peritoneal tumors. <i>Journal of Clinical Investigation</i> , 2018, 128, 3794-3805.	8.2	162
56	Convenient Colorimetric and Fluorometric Assays for S-Nitrosothiols. <i>Analytical Biochemistry</i> , 1996, 238, 150-158.	2.4	157
57	Photochemistry of Roussin's Red Salt, Na <sub>2</sub> [FeS <sub>2</sub> (NO) <sub>4</sub> ], and of Roussin's Black Salt, NH <sub>4</sub> [FeS <sub>3</sub> (NO) <sub>7</sub> ]. In Situ Nitric Oxide Generation To Sensitize <sup>131</sup> I-Radiation Induced Cell Death. <i>Journal of the American Chemical Society</i> , 1997, 119, 2853-2860.	13.7	156
58	Determination of nitric oxide using fluorescence spectroscopy. <i>Methods in Enzymology</i> , 1996, 268, 105-120.	1.0	150
59	Comparison of Cannabidiol, Antioxidants, and Diuretics in Reversing Binge Ethanol-Induced Neurotoxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 780-788.	2.5	150
60	Direct and indirect effects of nitric oxide in chemical reactions relevant to biology. <i>Methods in Enzymology</i> , 1996, 268, 12-31.	1.0	148
61	Colorimetric assays for nitric oxide and nitrogen oxide species formed from nitric oxide stock solutions and donor compounds. <i>Methods in Enzymology</i> , 1996, 268, 93-105.	1.0	146
62	Tumor microenvironment-based feed-forward regulation of NOS2 in breast cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6323-6328.	7.1	146
63	Radioprotection in Normal Tissue and Delayed Tumor Growth by Blockade of CD47 Signaling. <i>Science Translational Medicine</i> , 2009, 1, 3ra7.	12.4	145
64	Evidence That Nitric Oxide Enhances Cadmium Toxicity by Displacing the Metal from Metallothionein. <i>Chemical Research in Toxicology</i> , 1996, 9, 326-332.	3.3	143
65	The Nitric Oxide/Superoxide Assay. <i>Journal of Biological Chemistry</i> , 1997, 272, 9922-9932.	3.4	140
66	Distinction between Nitrosating Mechanisms within Human Cells and Aqueous Solution. <i>Journal of Biological Chemistry</i> , 2001, 276, 30085-30091.	3.4	135
67	Unique Oxidative Mechanisms for the Reactive Nitrogen Oxide Species, Nitroxyl Anion. <i>Journal of Biological Chemistry</i> , 2001, 276, 1720-1727.	3.4	126
68	A Chemical Perspective on the Interplay Between NO, Reactive Oxygen Species, and Reactive Nitrogen Oxide Species. <i>Annals of the New York Academy of Sciences</i> , 2002, 962, 195-206.	3.8	126
69	Nitric Oxide and Some Nitric Oxide Donor Compounds Enhance the Cytotoxicity of Cisplatin. <i>Nitric Oxide - Biology and Chemistry</i> , 1997, 1, 88-94.	2.7	124
70	Molecular Pathways: Toll-like Receptors in the Tumor Microenvironment – Poor Prognosis or New Therapeutic Opportunity. <i>Clinical Cancer Research</i> , 2013, 19, 1340-1346.	7.0	124
71	Thrombospondin-1 Inhibits Nitric Oxide Signaling via CD36 by Inhibiting Myristic Acid Uptake. <i>Journal of Biological Chemistry</i> , 2007, 282, 15404-15415.	3.4	123
72	Molecular Mechanisms of Nitric Oxide in Cancer Progression, Signal Transduction, and Metabolism. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1124-1143.	5.4	122

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73	Nitric oxide inhibits DNA ligase activity: potential mechanisms for NO-mediated DNA damage. Carcinogenesis, 1996, 17, 2501-2505.	2.8	121
74	Increasing Survival of Ischemic Tissue by Targeting CD47. Circulation Research, 2007, 100, 712-720.	4.5	121
75	Comparison of the NO and HNO Donating Properties of Diazeniumdiolates:â€‰ Primary Amine Adducts Release HNO in Vivo. Journal of Medicinal Chemistry, 2005, 48, 8220-8228.	6.4	118
76	Effect of Superoxide Dismutase on the Stability of S-Nitrosothiols. Archives of Biochemistry and Biophysics, 1999, 361, 323-330.	3.0	117
77	NITROXYL (HNO): Chemistry, Biochemistry, and Pharmacology. Annual Review of Pharmacology and Toxicology, 2005, 45, 335-355.	9.4	117
78	S-Nitrosylation of EGFR and Src Activates an Oncogenic Signaling Network in Human Basal-Like Breast Cancer. Molecular Cancer Research, 2012, 10, 1203-1215.	3.4	117
79	Comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. Journal of Inorganic Biochemistry, 2003, 93, 52-60.	3.5	114
80	The reemergence of nitric oxide and cancer. Nitric Oxide - Biology and Chemistry, 2008, 19, 65-67.	2.7	112
81	Î²-Caryophyllene ameliorates cisplatin-induced nephrotoxicity in a cannabinoid 2 receptor-dependent manner. Free Radical Biology and Medicine, 2012, 52, 1325-1333.	2.9	112
82	Thrombospondin-1 antagonizes nitric oxide-stimulated vascular smooth muscle cell responses. Cardiovascular Research, 2006, 71, 785-793.	3.8	109
83	Thrombospondin-1 limits ischemic tissue survival by inhibiting nitric oxideâ€œmediated vascular smooth muscle relaxation. Blood, 2007, 109, 1945-1952.	1.4	109
84	Thrombospondin 1 Promotes Tumor Macrophage Recruitment and Enhances Tumor Cell Cytotoxicity of Differentiated U937 Cells. Cancer Research, 2008, 68, 7090-7099.	0.9	109
85	Signaling and stress: The redox landscape in NOS2 biology. Free Radical Biology and Medicine, 2015, 87, 204-225.	2.9	108
86	Mutations induced by saturated aqueous nitric oxide in the pSP189 supF gene in human Ad293 and E. coli MBM7070 cells. Carcinogenesis, 1993, 14, 1251-1254.	2.8	107
87	Tetrahydrobiopterin Inhibits Monomerization and Is Consumed during Catalysis in Neuronal NO Synthase. Journal of Biological Chemistry, 1999, 274, 24921-24929.	3.4	105
88	Mechanism of Aerobic Decomposition of Angeli's Salt (Sodium Trioxodinitrate) at Physiological pH. Journal of the American Chemical Society, 2005, 127, 722-731.	13.7	105
89	Nitroxyl-Mediated Disulfide Bond Formation Between Cardiac Myofilament Cysteines Enhances Contractile Function. Circulation Research, 2012, 111, 1002-1011.	4.5	105
90	Superoxide Fluxes Limit Nitric Oxide-induced Signaling. Journal of Biological Chemistry, 2006, 281, 25984-25993.	3.4	104

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91	Playing with Cardiac "Redox Switches": The "HNO Way" to Modulate Cardiac Function. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1687-1698.	5.4	101
92	Discriminating formation of HNO from other reactive nitrogen oxide species. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1056-1066.	2.9	99
93	Direct real-time evaluation of nitration with green fluorescent protein in solution and within human cells reveals the impact of nitrogen dioxide vs. peroxynitrite mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3481-3486.	7.1	95
94	[43] Antioxidant effects of nitric oxide. <i>Methods in Enzymology</i> , 1999, 301, 413-424.	1.0	92
95	The Specificity of Nitroxyl Chemistry Is Unique Among Nitrogen Oxides in Biological Systems. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1659-1674.	5.4	92
96	DNA Sequence Changes Induced by Two Nitric Oxide Donor Drugs in the supF Assay. <i>Chemical Research in Toxicology</i> , 1994, 7, 628-632.	3.3	90
97	Nitric Oxide in Macrophage Immunometabolism: Hiding in Plain Sight. <i>Metabolites</i> , 2020, 10, 429.	2.9	90
98	Nitric Oxide Protects against the Cytotoxic Effects of Reactive Oxygen Species. <i>Annals of the New York Academy of Sciences</i> , 1994, 738, 265-278.	3.8	89
99	CD47 deficiency confers cell and tissue radioprotection by activation of autophagy. <i>Autophagy</i> , 2012, 8, 1628-1642.	9.1	89
100	Ingress and reactive chemistry of nitroxyl-derived species within human cells. <i>Free Radical Biology and Medicine</i> , 2002, 33, 827-834.	2.9	86
101	Orthogonal properties of the redox siblings nitroxyl and nitric oxide in the cardiovascular system: a novel redox paradigm. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2264-H2276.	3.2	86
102	Macrophage-dependent nitric oxide expression regulates tumor cell detachment and metastasis after IL-2/anti-CD40 immunotherapy. <i>Journal of Experimental Medicine</i> , 2010, 207, 2455-2467.	8.5	86
103	Autocrine IL-10 functions as a rheostat for M1 macrophage glycolytic commitment by tuning nitric oxide production. <i>Redox Biology</i> , 2016, 10, 12-23.	9.0	86
104	Mechanisms of Cell Death Governed by the Balance between Nitrosative and Oxidative Stress. <i>Annals of the New York Academy of Sciences</i> , 2000, 899, 209-221.	3.8	82
105	Blockade of Thrombospondin-1-CD47 Interactions Prevents Necrosis of Full Thickness Skin Grafts. <i>Annals of Surgery</i> , 2008, 247, 180-190.	4.2	82
106	Nitrosative Capacity of Macrophages Is Dependent on Nitric-oxide Synthase Induction Signals. <i>Journal of Biological Chemistry</i> , 2000, 275, 11341-11347.	3.4	81
107	Inflammation and IGF-I activate the Akt pathway in breast cancer. <i>International Journal of Cancer</i> , 2007, 120, 796-805.	5.1	81
108	The Effects of NOS2 Gene Deletion on Mice Expressing Mutated Human A $\beta$ PP. <i>Journal of Alzheimer's Disease</i> , 2008, 15, 571-587.	2.6	81



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109	Coexpression of NOS2 and COX2 accelerates tumor growth and reduces survival in estrogen receptor-negative breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13030-13035.	7.1	81
110	Heme Proteins and Nitric Oxide (NO): The Neglected, Eloquent Chemistry in NO Redox Signaling and Regulation. Antioxidants and Redox Signaling, 2003, 5, 307-317.	5.4	80
111	Production of reactive oxygen species after reperfusion in vitro and in vivo: protective effect of nitric oxide. Journal of Neurosurgery, 2000, 93, 99-107.	1.6	78
112	Further evidence for distinct reactive intermediates from nitroxyl and peroxynitrite: effects of buffer composition on the chemistry of Angeli's salt and synthetic peroxynitrite. Archives of Biochemistry and Biophysics, 2002, 401, 134-144.	3.0	78
113	Thrombospondin-1 and CD47 Limit Cell and Tissue Survival of Radiation Injury. American Journal of Pathology, 2008, 173, 1100-1112.	3.8	77
114	Generation of nitroxyl by heme protein-mediated peroxidation of hydroxylamine but not N-hydroxy-L-arginine. Free Radical Biology and Medicine, 2008, 45, 578-584.	2.9	76
115	Ets-1 is a transcriptional mediator of oncogenic nitric oxide signaling in estrogen receptor-negative breast cancer. Breast Cancer Research, 2012, 14, R125.	5.0	76
116	CD47 Receptor Globally Regulates Metabolic Pathways That Control Resistance to Ionizing Radiation. Journal of Biological Chemistry, 2015, 290, 24858-24874.	3.4	76
117	Reaction dynamics of the tricoordinate intermediates MCl(PPh <sub>3</sub> ) <sub>2</sub> (M = Rh or Ir) as probed by the flash photolysis of the carbonyls MCl(CO)(PPh <sub>3</sub> ) <sub>2</sub> . Journal of the American Chemical Society, 1987, 109, 436-442.	13.7	75
118	Nitric oxide and cancer: an introduction. Free Radical Biology and Medicine, 2003, 34, 951-954.	2.9	74
119	Inhibition of poly(ADP-RIBOSE) polymerase (PARP) by nitric oxide and reactive nitrogen oxide species. Free Radical Biology and Medicine, 2003, 35, 1431-1438.	2.9	74
120	Biological signaling by small inorganic molecules. Coordination Chemistry Reviews, 2016, 306, 708-723.	18.8	73
121	Mechanism of Vascular Relaxation Induced by the Nitric Oxide (NO)/Nucleophile Complexes, a New Class of NO-Based Vasodilators. Journal of Cardiovascular Pharmacology, 1993, 21, 670-676.	1.9	72
122	Cytotoxicity Related to Oxidative and Nitrosative Stress by Nitric Oxide. Experimental Biology and Medicine, 2001, 226, 621-623.	2.4	70
123	Mammalian Transforming Growth Factor $\beta$ 1 Activated after Ingestion by Anopheles stephensi Modulates Mosquito Immunity. Infection and Immunity, 2003, 71, 3000-3009.	2.2	70
124	Blockade of CD47 increases survival of mice exposed to lethal total body irradiation. Scientific Reports, 2013, 3, 1038.	3.3	70
125	The Oxidative and Nitrosative Chemistry of the Nitric Oxide/Superoxide Reaction in the Presence of Bicarbonate. Archives of Biochemistry and Biophysics, 1999, 365, 92-100.	3.0	69
126	Synthesis and Chemical and Biological Comparison of Nitroxyl- and Nitric Oxide-Releasing Diazeniumdiolate-Based Aspirin Derivatives. Journal of Medicinal Chemistry, 2013, 56, 7804-7820.	6.4	68



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127	Nitric Oxide Synthase-2-Derived Nitric Oxide Drives Multiple Pathways of Breast Cancer Progression. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 1044-1058.	5.4	67
128	Guide for the use of nitric oxide (NO) donors as probes of the chemistry of NO and related redox species in biological systems. <i>Methods in Enzymology</i> , 2002, 359, 84-105.	1.0	66
129	Photoreactions of the triruthenium cluster Ru <sub>3</sub> (CO) <sub>12</sub> and substituted analogs. <i>Journal of the American Chemical Society</i> , 1986, 108, 1917-1927.	13.7	64
130	NOS2 as an Emergent Player in Progression of Cancer. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 963-965.	5.4	63
131	Inducible Nitric Oxide Synthase in the Carcinogenesis of Gastrointestinal Cancers. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 1059-1077.	5.4	63
132	Nitric Oxide and Its Gatekeeper Thrombospondin-1 in Tumor Angiogenesis: Fig. 1.. <i>Clinical Cancer Research</i> , 2007, 13, 795-798.	7.0	62
133	COX-2 activation is associated with Akt phosphorylation and poor survival in ER-negative, HER2-positive breast cancer. <i>BMC Cancer</i> , 2010, 10, 626.	2.6	61
134	Nitric oxide and protein phosphatase 2A provide novel therapeutic opportunities in ER-negative breast cancer. <i>Trends in Pharmacological Sciences</i> , 2011, 32, 644-651.	8.7	60
135	[21] Detection of S-nitrosothiols by fluorometric and colorimetric methods. <i>Methods in Enzymology</i> , 1999, 301, 201-211.	1.0	59
136	Analysis of the Neuroprotective Effects of Various Nitric Oxide Donor Compounds in Murine Mixed Cortical Cell Culture. <i>Journal of Neurochemistry</i> , 2008, 72, 1843-1852.	3.9	58
137	Nitric Oxide Synthase and Breast Cancer: Role of TIMP-1 in NO-mediated Akt Activation. <i>PLoS ONE</i> , 2012, 7, e44081.	2.5	55
138	A kinetic investigation of intermediates formed during the Fenton reagent mediated degradation of N-nitrosodimethylamine: evidence for an oxidative pathway not involving hydroxyl radical. <i>Chemical Research in Toxicology</i> , 1991, 4, 510-512.	3.3	54
139	Peroxynitrite and myocardial contractility: In vivo versus in vitro effects. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1606-1618.	2.9	53
140	The inhibition of glyceraldehyde-3-phosphate dehydrogenase by nitroxyl (HNO). <i>Archives of Biochemistry and Biophysics</i> , 2007, 465, 430-436.	3.0	53
141	Electrochemical methods for detection of nitric oxide. <i>Methods in Enzymology</i> , 1996, 268, 69-83.	1.0	52
142	Dual Mechanisms of HNO Generation by a Nitroxyl Prodrug of the Diazeniumdiolate (NONOate) Class. <i>Journal of the American Chemical Society</i> , 2010, 132, 16526-16532.	13.7	52
143	The Reaction of S-Nitrosoglutathione with Superoxide. <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 525-530.	2.1	51
144	Impacts of combining anti-PD-L1 immunotherapy and radiotherapy on the tumour immune microenvironment in a murine prostate cancer model. <i>British Journal of Cancer</i> , 2020, 123, 1089-1100.	6.4	51

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145	Kinetic feasibility of nitroxyl reduction by physiological reductants and biological implications. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1130-1139.	2.9	47
146	Nitric oxide-mediated regulation of amyloid clearance via alterations of MMP-9/TIMP-1. <i>Journal of Neurochemistry</i> , 2012, 123, 736-749.	3.9	46
147	Macrophage-derived nitric oxide initiates T-cell diapedesis and tumor rejection. <i>Oncolmunology</i> , 2016, 5, e1204506.	4.6	45
148	Effects of Superoxide on Nitric Oxide-Dependent N-Nitrosation Reactions. <i>Free Radical Research</i> , 1995, 23, 379-390.	3.3	44
149	Hypoxia modulates nitric oxide-induced regulation of NMDA receptor currents and neuronal cell death. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 277, C673-C683.	4.6	44
150	Electron-paramagnetic resonance spectroscopy using N-methyl-d-glucamine dithiocarbamate iron cannot discriminate between nitric oxide and nitroxyl: implications for the detection of reaction products for nitric oxide synthase. <i>Free Radical Biology and Medicine</i> , 2000, 28, 739-742.	2.9	43
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