Bernd Mayer

List of Publications by Year
in descending order

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329 papers	22,591 citations	7672 79 h-index	12638 137 g-index
334 all docs	334 docs citations	334 times ranked	14744 citing authors

#	Article	IF	Citations
1	Characterization of the Inducible and Slow-Releasing Hydrogen Sulfide and Persulfide Donor P*: Insights into Hydrogen Sulfide Signaling. Antioxidants, 2021, 10, 1049.	2.2	7
2	Identifying potential targets for prevention and treatment of amyotrophic lateral sclerosis based on a screen of medicare prescription drugs. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2020, 21, 235-245.	1.1	20
3	Acrolein exposure from electronic cigarettes. European Heart Journal, 2020, 41, 1523-1523.	1.0	5
4	S-nitrosoglutathione inhibits adipogenesis in 3T3-L1 preadipocytes by S-nitrosation of CCAAT/enhancer-binding protein Î². Scientific Reports, 2019, 9, 15403.	1.6	7
5	Effects of flavoring compounds used in electronic cigarette refill liquids on endothelial and vascular function. PLoS ONE, 2019, 14, e0222152.	1.1	17
6	Site and mechanism of uncoupling of nitric-oxide synthase: Uncoupling by monomerization and other misconceptions. Nitric Oxide - Biology and Chemistry, 2019, 89, 14-21.	1.2	39
7	Adenosine kinase attenuates cardiomyocyte microtubule stabilization and protects against pressure overload-induced hypertrophy and LV dysfunction. Journal of Molecular and Cellular Cardiology, 2019, 130, 49-58.	0.9	19
8	Irreversible Activation and Stabilization of Soluble Guanylate Cyclase by the Protoporphyrin IX Mimetic Cinaciguat. Molecular Pharmacology, 2018, 93, 73-78.	1.0	19
9	Sustained Formation of Nitroglycerin-Derived Nitric Oxide by Aldehyde Dehydrogenase-2 in Vascular Smooth Muscle without Added Reductants: Implications for the Development of Nitrate Tolerance. Molecular Pharmacology, 2018, 93, 335-343.	1.0	7
10	Modulation of nitric oxide-stimulated soluble guanylyl cyclase activity by cytoskeleton-associated proteins in vascular smooth muscle. Biochemical Pharmacology, 2018, 156, 168-176.	2.0	6
11	Human Second Window Pre-Conditioning and Post-Conditioning by Nitrite Is Influenced by a Common Polymorphism in Mitochondrial Aldehyde Dehydrogenase. JACC Basic To Translational Science, 2017, 2, 13-21.	1.9	7
12	Intact mitochondrial Ca 2+ uniport is essential for agonist-induced activation of endothelial nitric oxide synthase (eNOS). Free Radical Biology and Medicine, 2017, 102, 248-259.	1.3	28
13	Real-time visualization of distinct nitric oxide generation of nitric oxide synthase isoforms in single cells. Nitric Oxide - Biology and Chemistry, 2017, 70, 59-67.	1.2	22
14	Dipeptidyl peptidase-4 independent cardiac dysfunction links saxagliptin to heart failure. Biochemical Pharmacology, 2017, 145, 64-80.	2.0	33
15	Cardioprotective effects of 5â€hydroxymethylfurfural mediated by inhibition of Lâ€type Ca²⁺ currents. British Journal of Pharmacology, 2017, 174, 3640-3653.	2.7	26
16	Nitric Oxide and Guanylyl Cyclases: Correlation with Neuropeptides. , 2017, , 641-652.		0
17	Formation of Nitric Oxide by Aldehyde Dehydrogenase-2 Is Necessary and Sufficient for Vascular Bioactivation of Nitroglycerin. Journal of Biological Chemistry, 2016, 291, 24076-24084.	1.6	31
18	Scavenging of nitric oxide by hemoglobin in the tunica media of porcine coronary arteries. Nitric Oxide - Biology and Chemistry, 2016, 54, 8-14.	1.2	9

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19	Hydrogen sulfide inhibits endothelial nitric oxide formation and receptor ligand-mediated Ca2+ release in endothelial and smooth muscle cells. Pharmacological Reports, 2016, 68, 37-43.	1.5	15
20	Aldehyde dehydrogenase-independent bioactivation of nitroglycerin in porcine and bovine blood vessels. Biochemical Pharmacology, 2015, 93, 440-448.	2.0	11
21	TRPC3 contributes to regulation of cardiac contractility and arrhythmogenesis by dynamic interaction with NCX1. Cardiovascular Research, 2015, 106, 163-173.	1.8	69
22	Selective Irreversible Inhibition of Neuronal and Inducible Nitric-oxide Synthase in the Combined Presence of Hydrogen Sulfide and Nitric Oxide. Journal of Biological Chemistry, 2015, 290, 24932-24944.	1.6	16
23	Role of the ubiquitinâ€“proteasome system in cardiac dysfunction of adipose triglyceride lipase-deficient mice. Journal of Molecular and Cellular Cardiology, 2014, 77, 11-19.	0.9	8
24	How much nicotine kills a human? Tracing back the generally accepted lethal dose to dubious self-experiments in the nineteenth century. Archives of Toxicology, 2014, 88, 5-7.	1.9	221
25	Aerobic nitric oxide-induced thiol nitrosation in the presence and absence of magnesium cations. Free Radical Biology and Medicine, 2014, 76, 286-298.	1.3	15
26	Interaction between Neuronal Nitric-Oxide Synthase and Tetrahydrobiopterin Revisited: Studies on the Nature and Mechanism of Tight Pterin Binding. Biochemistry, 2014, 53, 1284-1295.	1.2	10
27	Cell type-specific recycling of tetrahydrobiopterin by dihydrofolate reductase explains differential effects of 7,8-dihydrobiopterin on endothelial nitric oxide synthase uncoupling. Biochemical Pharmacology, 2014, 90, 246-253.	2.0	21
28	Endothelial dysfunction in adipose triglyceride lipase deficiency. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 906-917.	1.2	25
29	Cardiac oxidative stress in a mouse model of neutral lipid storage disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1600-1608.	1.2	25
30	Potent inhibition of nitroglycerin bioactivation by diphenyleneiodonium (DIP). BMC Pharmacology & Toxicology, 2013, 14, .	1.0	0
31	Efficient nitrosation of glutathione by nitric oxide. Free Radical Biology and Medicine, 2013, 63, 51-64.	1.3	37
32	Functional Cardiac Lipolysis in Mice Critically Depends on Comparative Gene Identification-58. Journal of Biological Chemistry, 2013, 288, 9892-9904.	1.6	60
33	Tetrahydrobiopterin protects soluble guanylate cyclase against oxidative inactivation. Pteridines, 2013, 24, 47-50.	0.5	1
34	Tolerance to nitroglycerin through proteasomal downâ€regulation of aldehyde dehydrogenaseâ€2 in a genetic mouse model of ascorbate deficiency. British Journal of Pharmacology, 2013, 168, 1868-1877.	2.7	11
35	Potent Inhibition of Aldehyde Dehydrogenase-2 by Diphenyleneiodonium: Focus on Nitroglycerin Bioactivation. Molecular Pharmacology, 2013, 84, 407-414.	1.0	6
36	Vascular Bioactivation of Nitroglycerin by Aldehyde Dehydrogenase-2. Journal of Biological Chemistry, 2012, 287, 38124-38134.	1.6	33

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37	Tetrahydrobiopterin Protects Soluble Guanylate Cyclase against Oxidative Inactivation. Molecular Pharmacology, 2012, 82, 420-427.	1.0	19
38	Vascular Bioactivation of Nitroglycerin Is Catalyzed by Cytosolic Aldehyde Dehydrogenase-2. Circulation Research, 2012, 110, 385-393.	2.0	43
39	Cardiac dysfunction in adipose triglyceride lipase deficiency: treatment with a PPARÎ± agonist. British Journal of Pharmacology, 2012, 165, 380-389.	2.7	37
40	ATGL-mediated fat catabolism regulates cardiac mitochondrial function via PPAR-Î± and PGC-1. Nature Medicine, 2011, 17, 1076-1085.	15.2	612
41	Neither nitrite nor nitric oxide mediate toxic effects of nitroglycerin on mitochondria. Journal of Biochemical and Molecular Toxicology, 2011, 25, 297-302.	1.4	9
42	Bioactivation of Pentaerythrityl Tetranitrate by Mitochondrial Aldehyde Dehydrogenase. Molecular Pharmacology, 2011, 79, 541-548.	1.0	16
43	Site-Directed Mutagenesis of Aldehyde Dehydrogenase-2 Suggests Three Distinct Pathways of Nitroglycerin Biotransformation. Molecular Pharmacology, 2011, 80, 258-266.	1.0	25
44	Evidence against tetrahydrobiopterin depletion of vascular tissue exposed to nitric oxide/superoxide or nitroglycerin. Free Radical Biology and Medicine, 2010, 48, 145-152.	1.3	12
45	Characterization of the East Asian Variant of Aldehyde Dehydrogenase-2. Journal of Biological Chemistry, 2010, 285, 943-952.	1.6	45
46	The Bell-shaped Curve for Peroxynitrite-mediated Oxidation and Nitration of NO/O2â˙. Is Alive and Well. Journal of Biological Chemistry, 2010, 285, le15.	1.6	8
47	Activation of endothelial nitric oxide synthase by the pro-apoptotic drug embelin: Striking discrepancy between nitric oxide-mediated cyclic GMP accumulation and l-citrulline formation. Nitric Oxide - Biology and Chemistry, 2010, 22, 281-289.	1.2	3
48	Effects of statins on nitric oxide/cGMP signaling in human umbilical vein endothelial cells. Pharmacological Reports, 2010, 62, 100-112.	1.5	20
49	Role of the General Base Glu-268 in Nitroglycerin Bioactivation and Superoxide Formation by Aldehyde Dehydrogenase-2. Journal of Biological Chemistry, 2009, 284, 19878-19886.	1.6	32
50	Inactivation of Soluble Guanylate Cyclase by Stoichiometric S-Nitrosation. Molecular Pharmacology, 2009, 75, 886-891.	1.0	53
51	Mechanisms Underlying Activation of Soluble Guanylate Cyclase by the Nitroxyl Donor Angeli's Salt. Molecular Pharmacology, 2009, 76, 1115-1122.	1.0	58
52	Neuroendocrine characteristics of human Leydig cell tumours. Andrologia, 2009, 27, 351-355.	1.0	11
53	Role of the general base Glu268 in nitroglycerin bioactivation and mechanism-based superoxide formation by aldehyde dehydrogenase-2. BMC Pharmacology, 2009, 9, .	0.4	0
54	Different effects of ascorbate deprivation and classical vascular nitrate tolerance on aldehyde dehydrogenaseâ€catalysed bioactivation of nitroglycerin. British Journal of Pharmacology, 2009, 156, 1248-1255.	2.7	19

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55	Mitochondrial nitrite reduction coupled to soluble guanylate cyclase activation: Lack of evidence for a role in the bioactivation of nitroglycerin. Nitric Oxide - Biology and Chemistry, 2009, 20, 53-60.	1.2	32
56	Selective activation of organic nitrates by, and inactivation of, ALDH isoforms. FASEB Journal, 2009, 23, LB374.	0.2	2
57	Thermodynamic analysis of l-arginine and NÏ‰-hydroxy-l-arginine binding to nitric oxide synthase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 806-810.	1.1	2
58	Reactive complexes in myoglobin and nitric oxide synthase. Inorganica Chimica Acta, 2008, 361, 831-843.	1.2	8
59	The enigma of nitroglycerin bioactivation and nitrate tolerance: news, views and troubles. British Journal of Pharmacology, 2008, 155, 170-184.	2.7	98
60	Bioactivation of Nitroglycerin by Purified Mitochondrial and Cytosolic Aldehyde Dehydrogenases. Journal of Biological Chemistry, 2008, 283, 17873-17880.	1.6	68
61	Partially Irreversible Inactivation of Mitochondrial Aldehyde Dehydrogenase by Nitroglycerin. Journal of Biological Chemistry, 2008, 283, 30735-30744.	1.6	37
62	Vascular tolerance to nitroglycerin in ascorbate deficiency. Cardiovascular Research, 2008, 79, 304-312.	1.8	25
63	Vascular tolerance to nitroglycerin in ascorbate deficiency: results are in favour of an important role of oxidative stress in nitrate tolerance: reply. Cardiovascular Research, 2008, 79, 724-724.	1.8	1
64	Cardiomyocyte Overexpression of Neuronal Nitric Oxide Synthase Delays Transition Toward Heart Failure in Response to Pressure Overload by Preserving Calcium Cycling. Circulation, 2008, 117, 3187-3198.	1.6	73
65	Bioactivation of Nitroglycerin by Ascorbate. Molecular Pharmacology, 2007, 72, 191-196.	1.0	18
66	Nitric-oxide synthase: A cytochrome P450 family foster child. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 432-445.	1.1	110
67	High-pressure studies of the reaction mechanism of nitric-oxide synthase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 578-585.	1.1	6
68	Inefficient spin trapping of superoxide in the presence of nitric-oxide: Implications for studies on nitric-oxide synthase uncoupling. Free Radical Biology and Medicine, 2006, 41, 455-463.	1.3	26
69	Translocation of endothelial nitric oxide synthase: Another feat of amlodipine, a cardiovascular jack-of-all-trades. Cardiovascular Research, 2006, 71, 411-413.	1.8	6
70	Effects of nitroglycerin/L-cysteine on soluble guanylate cyclase: evidence for an activation/inactivation equilibrium controlled by nitric oxide binding and haem oxidation. Biochemical Journal, 2005, 390, 625-631.	1.7	19
71	Contribution of aldehyde dehydrogenase to mitochondrial bioactivation of nitroglycerin: evidence for the activation of purified soluble guanylate cyclase through direct formation of nitric oxide. Biochemical Journal, 2005, 385, 769-777.	1.7	86
72	Tetrahydrobiopterin as Combined Electron/Proton Donor in Nitric Oxide Biosynthesis: Cryogenic UVâ€“Vis and EPR Detection of Reaction Intermediates. Methods in Enzymology, 2005, 396, 456-466.	0.4	15

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73	Evidence of Two Distinct Oxygen Complexes of Reduced Endothelial Nitric Oxide Synthase. Journal of Biological Chemistry, 2004, 279, 19824-19831.	1.6	31
74	Interference of the polyphenol epicatechin with the biological chemistry of nitric oxide- and peroxynitrite-mediated reactions. Biochemical Pharmacology, 2004, 67, 1285-1295.	2.0	29
75	CO exchange of the oxyferrous complexes of endothelial nitric-oxide synthase oxygenase domain in the presence of 4-amino-tetrahydrobiopterin. Journal of Inorganic Biochemistry, 2004, 98, 1217-1222.	1.5	9
76	Tetrahydrobiopterin Binding to Aromatic Amino Acid Hydroxylases. Ligand Recognition and Specificity. Journal of Medicinal Chemistry, 2004, 47, 5962-5971.	2.9	18
77	Consumption of nitric oxide by endothelial cells: Evidence for the involvement of a NAD(P)H-, flavin- and heme-dependent dioxygenase reaction. FEBS Letters, 2004, 577, 199-204.	1.3	17
78	S-nitrosation of glutathione by nitric oxide, peroxynitrite, and â€¢NO/O2â€¢â˜. Free Radical Biology and Medicine, 2003, 34, 1078-1088.	1.3	121
79	Bioaktivierung von Nitroglycerin â€“ ein neues StÃ¼ck im Puzzle. Angewandte Chemie, 2003, 115, 402-405.	1.6	1
80	Bioactivation of Nitroglycerin â€” A New Piece in the Puzzle. ChemInform, 2003, 34, no.	0.1	0
81	Bioactivation of Nitroglycerinâ€”A New Piece in the Puzzle. Angewandte Chemie - International Edition, 2003, 42, 388-391.	7.2	15
82	Gibbs energies of reactive species involved in peroxynitrite chemistry calculated by density functional theory. Computational and Theoretical Chemistry, 2003, 623, 95-103.	1.5	8
83	Two Modes of Binding of N-Hydroxyguanidines to NO Synthases:â€‰ First Evidence for the Formation of Ironâ˜N-Hydroxyguanidine Complexes and Key Role of Tetrahydrobiopterin in Determining the Binding Mode. Biochemistry, 2003, 42, 3858-3867.	1.2	16
84	Formation of Transient Oxygen Complexes of Cytochrome P450 BM3 and Nitric Oxide Synthase under High Pressure. Biophysical Journal, 2003, 85, 3303-3309.	0.2	14
85	Functional characterization of Glu298Asp mutant human endothelial nitric oxide synthase purified from a yeast expression system. Nitric Oxide - Biology and Chemistry, 2003, 8, 7-14.	1.2	46
86	Pharmacological Interference with Dimerization of Human Neuronal Nitric-Oxide Synthase Expressed in Adenovirus-Infected DLD-1 Cells. Molecular Pharmacology, 2003, 63, 682-689.	1.0	17
87	Single-turnover of Nitric-oxide Synthase in the Presence of 4-Amino-tetrahydrobiopterin. Journal of Biological Chemistry, 2003, 278, 48602-48610.	1.6	58
88	Attenuation of myocardial ischemia/reperfusion injury in mice with myocyte-specific overexpression of endothelial nitric oxide synthase. Cardiovascular Research, 2003, 57, 55-62.	1.8	119
89	Tetrahydrobiopterin and Nitric Oxide: Mechanistic and Pharmacological Aspects. Experimental Biology and Medicine, 2003, 228, 1291-1302.	1.1	130
90	Functional and Analytical Evidence for Scavenging of Oxygen Radicals by l-Arginine. Molecular Pharmacology, 2002, 61, 1081-1088.	1.0	124

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91	Protein tyrosine nitration and peroxynitrite: Reply. FASEB Journal, 2002, 16, 1854-1854.	0.2	2
92	Effect of Hypercholesterolemia on Expression and Function of Vascular Soluble Guanylyl Cyclase. Circulation, 2002, 105, 855-860.	1.6	35
93	Enzymology of Nitric Oxide Biosynthesis. , 2002, , 57-76.		0
94	Desensitization of endothelial nitric oxide synthase by receptor agonists. Biochemical Journal, 2002, 364, 863-868.	1.7	7
95	Redox Role for Tetrahydrobiopterin in Nitric Oxide Synthase Catalysis: Low-Temperature Optical Absorption Spectral Detection. Methods in Enzymology, 2002, 353, 114-121.	0.4	10
96	Binding ofl-Arginine and Imidazole Suggests Heterogeneity of Rat Brain Neuronal Nitric Oxide Synthaseâ€. Biochemistry, 2002, 41, 7819-7829.	1.2	19
97	Lack of involvement of extracellular signal-regulated kinase (ERK) in the agonist-induced endothelial nitric oxide synthesis. Biochemical Pharmacology, 2002, 63, 1137-1142.	2.0	13
98	Antioxidative and myocardial protective effects of L -arginine in oxygen radical-induced injury of isolated perfused rat hearts. Naunyn-Schmiedeberg's Archives of Pharmacology, 2002, 365, 269-276.	1.4	16
99	Localization and Characterization of Nitric Oxide Synthase in the Rat Suprachiasmatic Nucleus: Evidence for a Nitrergic Plexus in the Biological Clock. Journal of Neurochemistry, 2002, 68, 855-861.	2.1	29
100	Arginine Availability Controls the N-Methyl-d-Aspartate-Induced Nitric Oxide Synthesis: Involvement of a Glial-Neuronal Arginine Transfer. Journal of Neurochemistry, 2002, 71, 2139-2144.	2.1	35
101	Tetrahydrobiopterin in Nitric Oxide Synthesis: A Novel Biological Role for Pteridines. Current Drug Metabolism, 2002, 3, 133-157.	0.7	91
102	L-Ascorbic Acid Increases Intracellular Tetrahydrobiopterin Via A Chemical Stabilization and Potentiates Nitric Oxide Synthesis in Endothelial Cells. , 2002, , 265-270.		0
103	Electrochemistry of Pterin Cofactors and Inhibitors of Nitric Oxide Synthase. Nitric Oxide - Biology and Chemistry, 2001, 5, 176-186.	1.2	63
104	cGMP signalling beyond nitric oxide. Trends in Pharmacological Sciences, 2001, 22, 546-548.	4.0	28
105	Nitric oxide synthase-I containing cortical interneurons co-express antioxidative enzymes and anti-apoptotic Bcl-2 following focal ischemia: evidence for direct and indirect mechanisms towards their resistance to neuropathology. Journal of Chemical Neuroanatomy, 2001, 22, 167-184.	1.0	23
106	Comparison of neuronal and endothelial isoforms of nitric oxide synthase in stably transfected HEK 293 cells. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H2053-H2061.	1.5	16
107	Molecular Mechanisms Involved in the Synergistic Activation of Soluble Guanylyl Cyclase by YC-1 and Nitric Oxide in Endothelial Cells. Molecular Pharmacology, 2001, 59, 220-224.	1.0	57
108	Suramin and the suramin analogue NF307 discriminate among calmodulin-binding sites. Biochemical Journal, 2001, 355, 827-833.	1.7	23

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109	Formation of a protonated trihydrobiopterin radical cation in the first reaction cycle of neuronal and endothelial nitric oxide synthase detected by electron paramagnetic resonance spectroscopy. Journal of Biological Inorganic Chemistry, 2001, 6, 151-158.	1.1	93
110	Nitric oxide synthase in the spinal cord of the frog, Xenopus laevis. Cell and Tissue Research, 2001, 305, 457-462.	1.5	15
111	Use of high pressure to study elementary steps in P450 and nitric oxide synthase. Journal of Inorganic Biochemistry, 2001, 87, 191-195.	1.5	12
112	The alpha-amino group of l -arginine mediates its antioxidant effect. European Journal of Clinical Investigation, 2001, 31, 98-102.	1.7	45
113	Protein Tyrosine Nitration in Cytokine-activated Murine Macrophages. Journal of Biological Chemistry, 2001, 276, 34051-34058.	1.6	141
114	l-Ascorbic Acid Potentiates Endothelial Nitric Oxide Synthesis via a Chemical Stabilization of Tetrahydrobiopterin. Journal of Biological Chemistry, 2001, 276, 40-47.	1.6	367
115	S-Nitrosation Controls Gating and Conductance of the Î±1 Subunit of Class C L-type Ca2+ Channels. Journal of Biological Chemistry, 2001, 276, 14797-14803.	1.6	57
116	Protein tyrosine nitration in mouse peritoneal macrophages activated in vitro and in vivo: evidence against an essential role of peroxynitrite. FASEB Journal, 2001, 15, 2355-2364.	0.2	152
117	Myocardial Contractile Function and Heart Rate in Mice With Myocyte-Specific Overexpression of Endothelial Nitric Oxide Synthase. Circulation, 2001, 104, 3097-3102.	1.6	112
118	Nitric Oxide-Containing Neurons in the Bovine Gut, with Special Reference to Their Relationship with VIP and Galanin.. Archives of Histology and Cytology, 2000, 63, 357-368.	0.2	24
119	Nitric oxide-induced autoinhibition of neuronal nitric oxide synthase in the presence of the autoxidation-resistant pteridine 5-methyltetrahydrobiopterin. Biochemical Journal, 2000, 347, 475.	1.7	12
120	Nitric oxide-induced autoinhibition of neuronal nitric oxide synthase in the presence of the autoxidation-resistant pteridine 5-methyltetrahydrobiopterin. Biochemical Journal, 2000, 347, 475-484.	1.7	19
121	Contrasting effects of N5-substituted tetrahydrobiopterin derivatives on phenylalanine hydroxylase, dihydropteridine reductase and nitric oxide synthase. Biochemical Journal, 2000, 348, 579-583.	1.7	12
122	Novel mode of nitric oxide neurotransmission mediated via S-nitroso-cysteinyl-glycine. European Journal of Neuroscience, 2000, 12, 3919-3925.	1.2	14
123	The role of tetrahydrobiopterin in the activation of oxygen by nitric-oxide synthase. Journal of Inorganic Biochemistry, 2000, 81, 207-211.	1.5	61
124	Inhibition of endotoxin-induced vascular hyporeactivity by 4-amino-tetrahydrobiopterin. British Journal of Pharmacology, 2000, 131, 1757-1765.	2.7	8
125	Assessment of nitric oxide synthase activity in vitro and in vivo by gas chromatographyâ€“mass spectrometry. Biomedical Applications, 2000, 742, 143-153.	1.7	79
126	Inhibitory effects of aclarubicin on nitric oxide production in aortic smooth muscle cells and macrophages. Biochemical Pharmacology, 2000, 59, 719-726.	2.0	5

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127	Interaction of Endothelial and Neuronal Nitric-oxide Synthases with the Bradykinin B2 Receptor. Journal of Biological Chemistry, 2000, 275, 5291-5296.	1.6	55
128	Inhibition of purified soluble guanylyl cyclase by ?-ascorbic acid. Cardiovascular Research, 2000, 47, 602-608.	1.8	15
129	Tetrahydrobiopterin Improves Endothelium-Dependent Vasodilation in Chronic Smokers. Circulation Research, 2000, 86, E36-41.	2.0	374
130	Role of Bound Zinc in Dimer Stabilization but Not Enzyme Activity of Neuronal Nitric-oxide Synthase. Journal of Biological Chemistry, 2000, 275, 35786-35791.	1.6	90
131	Dityrosine Formation Outcompetes Tyrosine Nitration at Low Steady-state Concentrations of Peroxynitrite. Journal of Biological Chemistry, 2000, 275, 6346-6352.	1.6	143
132	Nitric oxide synthases catalyze superoxide formation. FEBS Letters, 2000, 481, 304-304.	1.3	7
133	Low-Temperature Optical Absorption Spectra Suggest a Redox Role for Tetrahydrobiopterin in Both Steps of Nitric Oxide Synthase Catalysisâ€. Biochemistry, 2000, 39, 11763-11770.	1.2	71
134	Contrasting effects of N5-substituted tetrahydrobiopterin derivatives on phenylalanine hydroxylase, dihydropteridine reductase and nitric oxide synthase. Biochemical Journal, 2000, 348, 579.	1.7	2
135	Contrasting effects of N5-substituted tetrahydrobiopterin derivatives on phenylalanine hydroxylase, dihydropteridine reductase and nitric oxide synthase. Biochemical Journal, 2000, 348 Pt 3, 579-83.	1.7	2
136	Characterization of Recombinant Human Endothelial Nitric-oxide Synthase Purified from the Yeast Pichia pastoris. Journal of Biological Chemistry, 1999, 274, 37658-37664.	1.6	59
137	Histochemical and Immunocytochemical Study of Nitrergic Innervation in Human Nasal Mucosa. Annals of Otology, Rhinology and Laryngology, 1999, 108, 869-875.	0.6	14
138	Enzymatic function of nitric oxide synthases. Cardiovascular Research, 1999, 43, 521-531.	1.8	585
139	Nitric Oxide Synthase Expression in the Opossum Superior Colliculus: A Histochemical, Immunohistochemical and Biochemical Study. Brain, Behavior and Evolution, 1999, 54, 303-313.	0.9	11
140	Activation of Neuronal Nitric-oxide Synthase by the 5-Methyl Analog of Tetrahydrobiopterin. Journal of Biological Chemistry, 1999, 274, 16047-16051.	1.6	42
141	Na+/Ca2+ Exchange Facilitates Ca2+-dependent Activation of Endothelial Nitric-oxide Synthase. Journal of Biological Chemistry, 1999, 274, 29529-29535.	1.6	87
142	NADPH-diaphorase and NOS enzymatic activities in some neurons of reptilian gut and their relationships with two neuropeptides. Anatomy and Embryology, 1999, 199, 397-405.	1.5	23
143	Differential maturational patterns of nitric oxide synthase-I and NADPH diaphorase in functionally distinct cortical areas of the mouse cerebral cortex. Anatomy and Embryology, 1999, 200, 27-41.	1.5	31
144	Different nitric oxide synthase inhibitors cause rapid and differential alterations in the ligand-binding capacity of transmitter receptors in the rat cerebral cortex. Annals of Anatomy, 1999, 181, 345-351.	1.0	15

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145	Preferential inhibition of inducible nitric oxide synthase in intact cells by the 4-amino analogue of tetrahydrobiopterin. FEBS Journal, 1999, 259, 25-31.	0.2	38
146	Nitric Oxide: Chemical Puzzles Posed by a Biological Messenger. Angewandte Chemie - International Edition, 1999, 38, 1714-1731.	7.2	256
147	Innervation of the fibro-elastic type of the penis: an immunohistochemical study in the male pig. Acta Histochemica, 1999, 101, 71-101.	0.9	14
148	Neuronal nitric oxide synthase (nNOS) expression in the epithelial neuroendocrine cell system and nerve fibers in the gill of the catfish, Heteropneustes fossilis. Acta Histochemica, 1999, 101, 437-448.	0.9	44
149	Assay of Tissue Activity of Nitric Oxide Synthase. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 1999, 00, Unit 10.2.	1.1	4
150	Dynamics of Carbon Monoxide Binding with Neuronal Nitric Oxide Synthase. Biochemistry, 1999, 38, 7210-7218.	1.2	23
151	Inhibition of Nitric Oxide Synthases by the 4-Amino Analogue of Tetrahydrobiopterin. , 1999, , 261-271.		0
152	Determination of NO with a Clark-Type Electrode. , 1998, 100, 101-110.		14
153	Enzymology of Nitric Oxide Synthases. , 1998, 100, 1-32.		78
154	Isoform-specific effects of salts on nitric oxide synthase activity. BBA - Proteins and Proteomics, 1998, 1387, 257-263.	2.1	18
155	Reaction of Peroxynitrite with HEPES or MOPS Results in the Formation of Nitric Oxide Donors. Free Radical Biology and Medicine, 1998, 24, 859-862.	1.3	28
156	Electrochemical Determination ofS-Nitrosothiols with a Clark-Type Nitric Oxide Electrode. Analytical Biochemistry, 1998, 258, 68-73.	1.1	45
157	Nitric oxide synthases: catalytic function and progress towards selective inhibition. Naunyn-Schmiedeberg's Archives of Pharmacology, 1998, 358, 127-133.	1.4	74
158	The protein inhibitor of neuronal nitric oxide synthase (PIN): characterization of its action on pure nitric oxide synthases. FEBS Letters, 1998, 430, 397-400.	1.3	43
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#	Article	IF	Citations
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