Michael A Marletta

List of Publications by Citations

150 papers	15,921 citations	66 h-index	125 g-index
162 ext. papers	17,133 ext. citations	7.6 avg, IF	6.85 L-index

#	Paper	IF	Citations
150	Macrophage oxidation of L-arginine to nitrite and nitrate: nitric oxide is an intermediate. *Biochemistry*, **1988**, 27, 8706-11	3.2	1435
149	Nitric oxide synthase: aspects concerning structure and catalysis. *Cell*, **1994**, 78, 927-30	56.2	796
148	Guanylate cyclase and the .NO/cGMP signaling pathway. *Biochimica Et Biophysica Acta - Bioenergetics*, **1999**, 1411, 334-50	4.6	743
147	Soluble guanylate cyclase from bovine lung: activation with nitric oxide and carbon monoxide and spectral characterization of the ferrous and ferric states. *Biochemistry*, **1994**, 33, 5636-40	3.2	611
146	Nitric oxide synthase is a cytochrome P-450 type hemoprotein. *Biochemistry*, **1992**, 31, 6627-31	3.2	609
145	Cellobiose dehydrogenase and a copper-dependent polysaccharide monooxygenase potentiate cellulose degradation by Neurospora crassa. *ACS Chemical Biology*, **2011**, 6, 1399-406	4.9	474
144	Oxygen sensation and social feeding mediated by a C. elegans guanylate cyclase homologue. *Nature*, **2004**, 430, 317-22	50.4	442
143	Oxidative cleavage of cellulose by fungal copper-dependent polysaccharide monooxygenases. *Journal of the American Chemical Society*, **2012**, 134, 890-2	16.4	352
142	Nitric oxide: biosynthesis and biological significance. *Trends in Biochemical Sciences*, **1989**, 14, 488-92	10.3	318
141	Structure and regulation of soluble guanylate cyclase. *Annual Review of Biochemistry*, **2012**, 81, 533-59	29.1	316
140	Spectral and kinetic studies on the activation of soluble guanylate cyclase by nitric oxide. *Biochemistry*, **1996**, 35, 1093-9	3.2	294
139	Crystal structure of an oxygen-binding heme domain related to soluble guanylate cyclases. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12854-9	11.5	247
138	Systems analysis of plant cell wall degradation by the model filamentous fungus Neurospora crassa. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 22157-62	11.5	240
137	Thioredoxin catalyzes the S-nitrosation of the caspase-3 active site cysteine **2005**, 1, 154-8		228
136	Structural basis for substrate targeting and catalysis by fungal polysaccharide monooxygenases. *Structure*, **2012**, 20, 1051-61	5.2	224
135	Formation of a pterin radical in the reaction of the heme domain of inducible nitric oxide synthase with oxygen. *Biochemistry*, **1999**, 38, 15689-96	3.2	218
134	Mammalian synthesis of nitrite, nitrate, nitric oxide, and N-nitrosating agents. *Chemical Research in Toxicology*, **1988**, 1, 249-57	4	213

133	Cellulose degradation by polysaccharide monooxygenases. *Annual Review of Biochemistry*, **2015**, 84, 923-46	29.1	204
132	Toward 'omic scale metabolite profiling: a dual separation-mass spectrometry approach for coverage of lipid and central carbon metabolism. *Analytical Chemistry*, **2013**, 85, 6876-84	7.8	204
131	Catalysis by nitric oxide synthase. *Current Opinion in Chemical Biology*, **1998**, 2, 656-63	9.7	202
130	Neurons detect increases and decreases in oxygen levels using distinct guanylate cyclases. *Neuron*, **2009**, 61, 865-79	13.9	196
129	Mechanisms of S-nitrosothiol formation and selectivity in nitric oxide signaling. *Current Opinion in Chemical Biology*, **2012**, 16, 498-506	9.7	190
128	Inhibition of soluble guanylate cyclase by ODQ. *Biochemistry*, **2000**, 39, 10848-54	3.2	185
127	Nitric oxide signaling: no longer simply on or off. *Trends in Biochemical Sciences*, **2006**, 31, 231-9	10.3	184
126	A family of starch-active polysaccharide monooxygenases. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13822-7	11.5	183
125	Binding of nitric oxide and carbon monoxide to soluble guanylate cyclase as observed with Resonance raman spectroscopy. *Biochemistry*, **1996**, 35, 1540-7	3.2	180
124	NG-methyl-L-arginine functions as an alternate substrate and mechanism-based inhibitor of nitric oxide synthase. *Biochemistry*, **1993**, 32, 9677-85	3.2	178
123	Reactions catalyzed by tetrahydrobiopterin-free nitric oxide synthase. *Biochemistry*, **1998**, 37, 15503-12	3.2	171
122	Identification of histidine 105 in the beta1 subunit of soluble guanylate cyclase as the heme proximal ligand. *Biochemistry*, **1998**, 37, 4502-9	3.2	171
121	Hydrogen peroxide-supported oxidation of NG-hydroxy-L-arginine by nitric oxide synthase. *Biochemistry*, **1995**, 34, 1930-41	3.2	165
120	Spectroscopic characterization of the soluble guanylate cyclase-like heme domains from Vibrio cholerae and Thermoanaerobacter tengcongensis. *Biochemistry*, **2004**, 43, 10203-11	3.2	164
119	A molecular basis for NO selectivity in soluble guanylate cyclase. *Nature Chemical Biology*, **2005**, 1, 53-9	11.7	164
118	Determinants of regioselective hydroxylation in the fungal polysaccharide monooxygenases. *Journal of the American Chemical Society*, **2014**, 136, 562-5	16.4	161
117	Nitric oxide modulates bacterial biofilm formation through a multicomponent cyclic-di-GMP signaling network. *Molecular Cell*, **2012**, 46, 449-60	17.6	131
116	Tonic and acute nitric oxide signaling through soluble guanylate cyclase is mediated by nonheme nitric oxide, ATP, and GTP. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 13064-9	11.5	127

115	Thioredoxin is required for S-nitrosation of procaspase-3 and the inhibition of apoptosis in Jurkat cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 11609-14	11.5	122
114	Localization of the heme binding region in soluble guanylate cyclase. *Biochemistry*, **1997**, 36, 15959-64	3.2	120
113	Nitric oxide complexes of inducible nitric oxide synthase: spectral characterization and effect on catalytic activity. *Biochemistry*, **1995**, 34, 5627-34	3.2	119
112	Revisiting the kinetics of nitric oxide (NO) binding to soluble guanylate cyclase: the simple NO-binding model is incorrect. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 12097-101	11.5	118
111	Synergistic activation of soluble guanylate cyclase by YC-1 and carbon monoxide: implications for the role of cleavage of the iron-histidine bond during activation by nitric oxide. *Chemistry and Biology*, **1998**, 5, 255-61		113
110	A nitric oxide/cysteine interaction mediates the activation of soluble guanylate cyclase. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 21602-7	11.5	112
109	Inactivation of macrophage nitric oxide synthase activity by NG-methyl-L-arginine. *Biochemical and Biophysical Research Communications*, **1991**, 177, 828-33	3.4	105
108	Reactivity of O versus HO with polysaccharide monooxygenases. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4915-4920	11.5	103
107	Ligand specificity of H-NOX domains: from sGC to bacterial NO sensors. *Journal of Inorganic Biochemistry*, **2005**, 99, 892-902	4.2	101
106	Probing the function of heme distortion in the H-NOX family. *ACS Chemical Biology*, **2008**, 3, 703-10	4.9	98
105	Regeneration of the ferrous heme of soluble guanylate cyclase from the nitric oxide complex: acceleration by thiols and oxyhemoglobin. *Biochemistry*, **1998**, 37, 16898-907	3.2	98
104	Biochemistry of soluble guanylate cyclase. *Handbook of Experimental Pharmacology*, **2009**, 17-31	3.2	95
103	Subcellular targeting and differential S-nitrosylation of endothelial nitric-oxide synthase. *Journal of Biological Chemistry*, **2006**, 281, 151-7	5.4	93
102	Ligand discrimination in soluble guanylate cyclase and the H-NOX family of heme sensor proteins. *Current Opinion in Chemical Biology*, **2005**, 9, 441-6	9.7	89
101	Mechanistic probes of N-hydroxylation of L-arginine by the inducible nitric oxide synthase from murine macrophages. *Biochemistry*, **1992**, 31, 6822-8	3.2	88
100	Quantitative proteomic approach for cellulose degradation by Neurospora crassa. *Journal of Proteome Research*, **2011**, 10, 4177-85	5.6	87
99	Modulating heme redox potential through protein-induced porphyrin distortion. *Journal of the American Chemical Society*, **2010**, 132, 12794-5	16.4	87
98	Interaction of soluble guanylate cyclase with YC-1: kinetic and resonance Raman studies. *Biochemistry*, **2000**, 39, 4191-8	3.2	86

97	H-NOX regulation of c-di-GMP metabolism and biofilm formation in Legionella pneumophila. *Molecular Microbiology*, **2010**, 77, 930-42	4.1	85
96	H-NOX-mediated nitric oxide sensing modulates symbiotic colonization by Vibrio fischeri. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 8375-80	11.5	82
95	Expression and characterization of the catalytic domains of soluble guanylate cyclase: interaction with the heme domain. *Biochemistry*, **2005**, 44, 4083-90	3.2	80
94	Nitric oxide-sensing H-NOX proteins govern bacterial communal behavior. *Trends in Biochemical Sciences*, **2013**, 38, 566-75	10.3	78
93	Molecular architecture of mammalian nitric oxide synthases. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E3614-23	11.5	77
92	Shewanella oneidensis MR-1 H-NOX regulation of a histidine kinase by nitric oxide. *Biochemistry*, **2007**, 46, 13677-83	3.2	77
91	The crystal structure of the catalytic domain of a eukaryotic guanylate cyclase. *BMC Structural Biology*, **2008**, 8, 42	2.7	74
90	Reactions catalyzed by the heme domain of inducible nitric oxide synthase: evidence for the involvement of tetrahydrobiopterin in electron transfer. *Biochemistry*, **2002**, 41, 3439-56	3.2	73
89	The ferrous heme of soluble guanylate cyclase: formation of hexacoordinate complexes with carbon monoxide and nitrosomethane. *Biochemistry*, **1995**, 34, 16397-403	3.2	71
88	Structural insights into the role of iron-histidine bond cleavage in nitric oxide-induced activation of H-NOX gas sensor proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E4156-64	11.5	70
87	The Role of the Secondary Coordination Sphere in a Fungal Polysaccharide Monooxygenase. *ACS Chemical Biology*, **2017**, 12, 1095-1103	4.9	67
86	Characterization of functional heme domains from soluble guanylate cyclase. *Biochemistry*, **2005**, 44, 16266-74	3.2	67
85	A structural basis for H-NOX signaling in Shewanella oneidensis by trapping a histidine kinase inhibitory conformation. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 19753-60	11.5	66
84	Nitric oxide-induced conformational changes in soluble guanylate cyclase. *Structure*, **2014**, 22, 602-11	5.2	64
83	S-Nitrosation and regulation of inducible nitric oxide synthase. *Biochemistry*, **2005**, 44, 4636-47	3.2	64
82	Spectroscopic characterization of the heme-binding sites in Plasmodium falciparum histidine-rich protein 2. *Biochemistry*, **1999**, 38, 16916-24	3.2	64
81	Nitric oxide binding to prokaryotic homologs of the soluble guanylate cyclase beta1 H-NOX domain. *Journal of Biological Chemistry*, **2006**, 281, 21892-21902	5.4	61
80	Structural changes in the heme proximal pocket induced by nitric oxide binding to soluble guanylate cyclase. *Biochemistry*, **1998**, 37, 12458-64	3.2	61

79	Cellular applications of a sensitive and selective fiber-optic nitric oxide biosensor based on a dye-labeled heme domain of soluble guanylate cyclase. *Analytical Chemistry*, **1999**, 71, 2071-5	7.8	61
78	The framework of polysaccharide monooxygenase structure and chemistry. *Current Opinion in Structural Biology*, **2015**, 35, 93-9	8.1	54
77	An Escherichia coli expression-based method for heme substitution. *Nature Methods*, **2007**, 4, 43-5	21.6	54
76	Distal Pocket Polarity in the Unusual Ligand Binding Site of Soluble Guanylate Cyclase: Implications for the Control of NO Binding. *Journal of the American Chemical Society*, **1996**, 118, 8769-8770	16.4	54
75	NO formation by a catalytically self-sufficient bacterial nitric oxide synthase from Sorangium cellulosum. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 16221-6	11.5	53
74	Spectral and ligand-binding properties of an unusual hemoprotein, the ferric form of soluble guanylate cyclase. *Biochemistry*, **1996**, 35, 3258-62	3.2	53
73	Higher-order interactions bridge the nitric oxide receptor and catalytic domains of soluble guanylate cyclase. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6777-82	11.5	52
72	Single-particle EM reveals the higher-order domain architecture of soluble guanylate cyclase. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 2960-5	11.5	50
71	Ability of tetrahydrobiopterin analogues to support catalysis by inducible nitric oxide synthase: formation of a pterin radical is required for enzyme activity. *Biochemistry*, **2003**, 42, 13287-303	3.2	50
70	Ru-porphyrin protein scaffolds for sensing O2. *Journal of the American Chemical Society*, **2010**, 132, 5582-3	16.4	49
69	Tunnels modulate ligand flux in a heme nitric oxide/oxygen binding (H-NOX) domain. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E881-9	11.5	49
68	Heme-assisted S-nitrosation desensitizes ferric soluble guanylate cyclase to nitric oxide. *Journal of Biological Chemistry*, **2012**, 287, 43053-62	5.4	47
67	Dissociation of nitric oxide from soluble guanylate cyclase and heme-nitric oxide/oxygen binding domain constructs. *Journal of Biological Chemistry*, **2007**, 282, 897-907	5.4	45
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65	The case of CO signaling: why the jury is still out. *Journal of Clinical Investigation*, **2001**, 107, 1071-3	15.9	44
64	Resonance raman characterization of the heme domain of soluble guanylate cyclase. *Biochemistry*, **1998**, 37, 16289-97	3.2	43
63	Allosteric activation of the nitric oxide receptor soluble guanylate cyclase mapped by cryo-electron microscopy. *ELife*, **2019**, 8,	8.9	41
62	Sensitive and selective detection of nitric oxide using an H-NOX domain. *Journal of the American Chemical Society*, **2006**, 128, 10022-3	16.4	36

61	Calcium binding sites of calmodulin and electron transfer by neuronal nitric oxide synthase. *Biochemistry*, **1997**, 36, 12337-45	3.2	35
60	Physiological and Molecular Understanding of Bacterial Polysaccharide Monooxygenases. *Microbiology and Molecular Biology Reviews*, **2017**, 81,	13.2	34
59	Structural insights into the molecular mechanism of H-NOX activation. *Protein Science*, **2010**, 19, 881-7	6.3	32
58	Chemoproteomic Strategy to Quantitatively Monitor Transnitrosation Uncovers Functionally Relevant S-Nitrosation Sites on Cathepsin D and HADH2. *Cell Chemical Biology*, **2016**, 23, 727-37	8.2	31
57	Nucleotide regulation of soluble guanylate cyclase substrate specificity. *Biochemistry*, **2009**, 48, 7519-24	3.2	31
56	Characterization of two different five-coordinate soluble guanylate cyclase ferrous-nitrosyl complexes. *Biochemistry*, **2008**, 47, 3892-9	3.2	31
55	Porphyrin-substituted H-NOX proteins as high-relaxivity MRI contrast agents. *Inorganic Chemistry*, **2013**, 52, 2277-9	5.1	30
54	Determinants of ligand affinity and heme reactivity in H-NOX domains. *Angewandte Chemie - International Edition*, **2010**, 49, 720-3	16.4	30
53	Structural and Functional Evidence Indicates Selective Oxygen Signaling in Caldanaerobacter subterraneus H-NOX. *ACS Chemical Biology*, **2016**, 11, 2337-46	4.9	28
52	Probing soluble guanylate cyclase activation by CO and YC-1 using resonance Raman spectroscopy. *Biochemistry*, **2010**, 49, 3815-23	3.2	27
51	Resonance Raman spectra of an O2-binding H-NOX domain reveal heme relaxation upon mutation. *Biochemistry*, **2009**, 48, 8568-77	3.2	27
50	Butyl isocyanide as a probe of the activation mechanism of soluble guanylate cyclase. Investigating the role of non-heme nitric oxide. *Journal of Biological Chemistry*, **2007**, 282, 35741-8	5.4	27
49	Allorecognition upon Fungal Cell-Cell Contact Determines Social Cooperation and Impacts the Acquisition of Multicellularity. *Current Biology*, **2019**, 29, 3006-3017.e3	6.3	26
48	Direct meso-alkynylation of metalloporphyrins through gold catalysis for hemoprotein engineering. *Angewandte Chemie - International Edition*, **2014**, 53, 2611-4	16.4	25
47	Use of a semisynthetic epitope to probe histidine kinase activity and regulation. *Analytical Biochemistry*, **2010**, 397, 139-43	3.1	25
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45	Nitric Oxide Mediates Biofilm Formation and Symbiosis in Silicibacter sp. Strain TrichCH4B. *MBio*, **2015**, 6, e00206-15	7.8	24
44	A new decoration for nitric oxide synthase - a Zn(Cys)4 site. *Structure*, **1999**, 7, R73-9	5.2	24

43	Starch-degrading polysaccharide monooxygenases. *Cellular and Molecular Life Sciences*, **2016**, 73, 2809-19	10.3	24
42	Soluble guanylate cyclase is activated differently by excess NO and by YC-1: resonance Raman spectroscopic evidence. *Biochemistry*, **2010**, 49, 4864-71	3.2	23
41	A Random-Sequential Kinetic Mechanism for Polysaccharide Monooxygenases. *Biochemistry*, **2018**, 57, 3191-3199	3.2	21
40	The design and synthesis of YC-1 analogues as probes for soluble guanylate cyclase. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 618-21	2.9	21
39	Carbon-13 nuclear magnetic resonance studies of creatine, creatinine and some of their analogs. *Magnetic Resonance in Chemistry*, **1980**, 13, 79-88		20
38	Regulation of nitric oxide signaling by formation of a distal receptor-ligand complex. *Nature Chemical Biology*, **2017**, 13, 1216-1221	11.7	19
37	Substrate selectivity in starch polysaccharide monooxygenases. *Journal of Biological Chemistry*, **2019**, 294, 12157-12166	5.4	19
36	Nitric Oxide-Induced Conformational Changes Govern H-NOX and Histidine Kinase Interaction and Regulation in Shewanella oneidensis. *Biochemistry*, **2017**, 56, 1274-1284	3.2	18
35	Glycosidic Bond Hydroxylation by Polysaccharide Monooxygenases. *Trends in Chemistry*, **2019**, 1, 198-209	14.8	18
34	L-arginine analogs as alternate substrates for nitric oxide synthase. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 3934-41	2.9	18
33	Insight into the rescue of oxidized soluble guanylate cyclase by the activator cinaciguat. *ChemBioChem*, **2012**, 13, 977-81	3.8	17
32	Incorporation of tyrosine and glutamine residues into the soluble guanylate cyclase heme distal pocket alters NO and O2 binding. *Journal of Biological Chemistry*, **2010**, 285, 17471-8	5.4	17
31	Characterization of nitrosoalkane binding and activation of soluble guanylate cyclase. *Biochemistry*, **2005**, 44, 16257-65	3.2	17
30	Controlling conformational flexibility of an O2-binding H-NOX domain. *Biochemistry*, **2011**, 50, 6832-40	3.2	16
29	Trace elements and nitric oxide function. *Journal of Nutrition*, **2003**, 133, 1431S-3S	4.1	16
28	Probing domain interactions in soluble guanylate cyclase. *Biochemistry*, **2011**, 50, 4281-90	3.2	15
27	Spectroscopic and kinetic studies of Nor1, a cytochrome P450 nitric oxide reductase from the fungal pathogen Histoplasma capsulatum. *Archives of Biochemistry and Biophysics*, **2008**, 480, 132-7	4.1	15
26	Phosphorylation-dependent derepression by the response regulator HnoC in the Shewanella oneidensis nitric oxide signaling network. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E4648-57	11.5	14

25	Conformationally distinct five-coordinate heme-NO complexes of soluble guanylate cyclase elucidated by multifrequency electron paramagnetic resonance (EPR). *Biochemistry*, **2012**, 51, 8384-90	3.2	13
24	Porphyrin □stacking in a heme protein scaffold tunes gas ligand affinity. *Journal of Inorganic Biochemistry*, **2013**, 127, 7-12	4.2	13
23	The Influence of Nitric Oxide on Soluble Guanylate Cyclase Regulation by Nucleotides: ROLE OF THE PSEUDOSYMMETRIC SITE. *Journal of Biological Chemistry*, **2015**, 290, 15570-15580	5.4	12
22	Structural Insight into H-NOX Gas Sensing and Cognate Signaling Protein Regulation. *ChemBioChem* , **2019**, 20, 7-19	3.8	11
21	4,4-Difluorinated analogues of l-arginine and N(G)-hydroxy-l-arginine as mechanistic probes for nitric oxide synthase. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 1758-62	2.9	10
20	Structural Dynamics in the Guanylate Cyclase Heme Pocket after CO Photolysis. *Journal of the American Chemical Society*, **1999**, 121, 7397-7400	16.4	10
19	Determinants of the heme-CO vibrational modes in the H-NOX family. *Biochemistry*, **2011**, 50, 6519-30	3.2	9
18	Comparative and integrative metabolomics reveal that -nitrosation inhibits physiologically relevant metabolic enzymes. *Journal of Biological Chemistry*, **2018**, 293, 6282-6296	5.4	8
17	Mapping the H-NOX/HK Binding Interface in Vibrio cholerae by Hydrogen/Deuterium Exchange Mass Spectrometry. *Biochemistry*, **2018**, 57, 1779-1789	3.2	8
16	Direct meso-Alkynylation of Metalloporphyrins Through Gold Catalysis for Hemoprotein Engineering. *Angewandte Chemie*, **2014**, 126, 2649-2652	3.6	8
15	Characterization of a Carbon Monoxide-Activated Soluble Guanylate Cyclase from Chlamydomonas reinhardtii. *Biochemistry*, **2019**, 58, 2250-2259	3.2	7
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12	Raising enzymes from the dead and the secrets they can tell. *ACS Chemical Biology*, **2006**, 1, 73-4	4.9	6
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10	Native Alanine Substitution in the Glycine Hinge Modulates Conformational Flexibility of Heme Nitric Oxide/Oxygen (H-NOX) Sensing Proteins. *ACS Chemical Biology*, **2018**, 13, 1631-1639	4.9	6
9	Corrole-Substituted Fluorescent Heme Proteins. *Inorganic Chemistry*, **2021**, 60, 2716-2729	5.1	6
8	Glycosidic Bond Oxidation: The Structure, Function, and Mechanism of Polysaccharide Monooxygenases **2020**, 298-331		4

7	Effects of S-nitrosation of nitric oxide synthase. *Advances in Experimental Biology*, **2007**, 1, 151-456		3
6	Ceragenins and Antimicrobial Peptides Kill Bacteria through Distinct Mechanisms.. *MBio*, **2022**, e0272621	7.8	3
5	Revisiting Nitric Oxide Signaling: Where Was It, and Where Is It Going?. *Biochemistry*, **2021**, 60, 3491-3496	3.2	3
4	An iron (II) dependent oxygenase performs the last missing step of plant lysine catabolism. *Nature Communications*, **2020**, 11, 2931	17.4	2
3	A Dual-H-NOX Signaling System in Saccharophagus degradans. *Biochemistry*, **2018**, 57, 6570-6580	3.2	2
2	Ceragenins and antimicrobial peptides kill bacteria through distinct mechanisms		1
1	Nitric Oxide: Biological Targets1		