

Charles Julian Lowenstein

List of Publications by Year in descending order

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140
papers

19,082
citations

28190

55
h-index

15683

125
g-index

142
all docs

142
docs citations

142
times ranked

21747
citing authors

#	ARTICLE	IF	CITATIONS
1	Platelet olfactory receptor activation limits platelet reactivity and growth of aortic aneurysms. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	18
2	Markers of endothelial cell activation are associated with the severity of pulmonary disease in COVID-19. <i>PLoS ONE</i> , 2022, 17, e0268296.	1.1	12
3	Myocardial Injury in Severe COVID-19 Compared With Non-“COVID-19 Acute Respiratory Distress Syndrome. <i>Circulation</i> , 2021, 143, 553-565.	1.6	102
4	Estrogen activates endothelial exocytosis. <i>Biochemical and Biophysical Research Communications</i> , 2021, 558, 29-35.	1.0	5
5	Effect of Crizanlizumab, a P-Selectin Inhibitor, in COVID-19. <i>JACC Basic To Translational Science</i> , 2021, 6, 935-945.	1.9	23
6	The choline transporter Slc44a2 controls platelet activation and thrombosis by regulating mitochondrial function. <i>Nature Communications</i> , 2020, 11, 3479.	5.8	43
7	Inflammation and cardiovascular disease: From mechanisms to therapeutics. <i>American Journal of Preventive Cardiology</i> , 2020, 4, 100130.	1.3	142
8	Severe COVID-19 Is a Microvascular Disease. <i>Circulation</i> , 2020, 142, 1609-1611.	1.6	197
9	Do-Not-Resuscitate Status and Risk-Standardized Mortality and Readmission Rates Following Acute Myocardial Infarction. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005196.	0.9	6
10	Acetylcholine Inhibits Platelet Activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 369, 182-187.	1.3	9
11	Metabolism reprogrammed by the nitric oxide signalling molecule. <i>Nature</i> , 2019, 565, 33-34.	13.7	7
12	Genome-Wide Association Transethnic Meta-Analyses Identifies Novel Associations Regulating Coagulation Factor VIII and von Willebrand Factor Plasma Levels. <i>Circulation</i> , 2019, 139, 620-635.	1.6	102
13	Clinical aspects of the three major genetic forms of long QT syndrome (LQT1, Tj ETQq1 1,0,784314.rgBT /C 0,5 33	0.5	33
14	Prospective analysis of bleeding events in left ventricular assist device patients. <i>International Journal of Artificial Organs</i> , 2018, 41, 269-276.	0.7	5
15	Sarnoff Cardiovascular Research Foundation. <i>Circulation</i> , 2018, 138, 554-556.	1.6	3
16	Do elevated blood levels of omega-3 fatty acids modify effects of particulate air pollutants on fibrinogen?. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 791-799.	1.5	8
17	New vascular insights into premature aging. <i>Journal of Clinical Investigation</i> , 2018, 129, 492-493.	3.9	3
18	Impact of non-cardiovascular disease burden on thirty-day hospital readmission in heart failure patients. <i>Cardiology Journal</i> , 2018, 25, 691-700.	0.5	4

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19	Novel Thrombotic Function of a Human SNP in <i>STXBP5</i> Revealed by CRISPR/Cas9 Gene Editing in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 264-270.	1.1	24
20	Associations between ambient wood smoke and other particulate pollutants and biomarkers of systemic inflammation, coagulation and thrombosis in cardiac patients. <i>Environmental Research</i> , 2017, 154, 352-361.	3.7	58
21	Variation in Do-Not-Resuscitate Orders and Implications for Heart Failure Risk-Adjusted Hospital Mortality Metrics. <i>JACC: Heart Failure</i> , 2017, 5, 743-752.	1.9	8
22	Dyslipidemia. <i>Annals of Internal Medicine</i> , 2017, 167, ITC81.	2.0	398
23	VAMP-3 mediates platelet endocytosis. <i>Blood</i> , 2017, 130, 2816-2818.	0.6	7
24	A CRISPR Path to Engineering New Genetic Mouse Models for Cardiovascular Research. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1058-1075.	1.1	44
25	Prior hospital admission predicts thirty-day hospital readmission for heart failure patients. <i>Cardiology Journal</i> , 2016, 23, 155-162.	0.5	15
26	SNAP23 Regulates Endothelial Exocytosis of von Willebrand Factor. <i>PLoS ONE</i> , 2015, 10, e0118737.	1.1	36
27	A Novel Anti-Inflammatory Effect for High Density Lipoprotein. <i>PLoS ONE</i> , 2015, 10, e0144372.	1.1	12
28	Genome-Wide Association Study for Circulating Tissue Plasminogen Activator Levels and Functional Follow-Up Implicates Endothelial <i>STXBP5</i> and <i>STX2</i> . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1093-1101.	1.1	43
29	Enhanced assay of endothelial exocytosis using extracellular matrix components. <i>Analytical Biochemistry</i> , 2014, 452, 19-24.	1.1	3
30	Syntaxin-binding protein <i>STXBP5</i> inhibits endothelial exocytosis and promotes platelet secretion. <i>Journal of Clinical Investigation</i> , 2014, 124, 4503-4516.	3.9	68
31	Histone deacetylase isoforms regulate innate immune responses by deacetylating mitogen-activated protein kinase phosphatase-1. <i>Journal of Leukocyte Biology</i> , 2013, 95, 651-659.	1.5	76
32	Thioredoxin Increases Exocytosis by Denitrosylating N-Ethylmaleimide-sensitive Factor. <i>Journal of Biological Chemistry</i> , 2011, 286, 11179-11184.	1.6	24
33	MicroRNA-22 Regulates Hypoxia Signaling in Colon Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e20291.	1.1	116
34	Vav-Vav-Vav-voom!. <i>Blood</i> , 2011, 117, 5557-5559.	0.6	3
35	High-density lipoprotein metabolism and endothelial function. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2010, 17, 166-170.	1.2	15
36	Dyslipidemia. <i>Annals of Internal Medicine</i> , 2010, 153, ITC2.	2.0	6

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37	Nerve Growth Factor-Regulated Emergence of Functional μ -Opioid Receptors. <i>Journal of Neuroscience</i> , 2010, 30, 5617-5628.	1.7	56
38	Increased Endothelial Exocytosis and Generation of Endothelin-1 Contributes to Constriction of Aged Arteries. <i>Circulation Research</i> , 2010, 107, 242-251.	2.0	60
39	Ets-1 and Ets-2 Regulate the Expression of MicroRNA-126 in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1990-1997.	1.1	125
40	P53-induced microRNA-107 inhibits HIF-1 and tumor angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6334-6339.	3.3	398
41	VAMP-1, VAMP-2, and syntaxin-4 regulate ANP release from cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 791-800.	0.9	24
42	Glutamate Excitotoxicity Mediates Neuronal Apoptosis After Hypothermic Circulatory Arrest. <i>Annals of Thoracic Surgery</i> , 2010, 89, 440-445.	0.7	61
43	The Histone Deacetylase (HDAC) Inhibitor PCI-24781 Decreases Pro-Inflammatory Cytokine Secretion In Vitro and In Vivo and Protects Against Endotoxemia In a Sepsis Model. <i>Blood</i> , 2010, 116, 3914-3914.	0.6	0
44	MiR-34, SIRT1, and p53: The feedback loop. <i>Cell Cycle</i> , 2009, 8, 712-715.	1.3	425
45	Aldosterone activates endothelial exocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3782-3787.	3.3	57
46	Exocytosis of Endothelin-1 from Endothelial Weibel-Palade Bodies Contributes to Vasoconstriction in Aged Arteries. <i>FASEB Journal</i> , 2009, 23, .	0.2	0
47	Glutamate mediates platelet activation through the AMPA receptor. <i>Journal of Experimental Medicine</i> , 2008, 205, 575-584.	4.2	95
48	Epigallocatechin gallate inhibits endothelial exocytosis. <i>Biological Chemistry</i> , 2008, 389, 935-41.	1.2	35
49	MicroRNA-126 regulates endothelial expression of vascular cell adhesion molecule 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1516-1521.	3.3	925
50	miR-34a repression of SIRT1 regulates apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13421-13426.	3.3	1,197
51	Nitric oxide regulates vascular calcification by interfering with TGF- β 2 signalling. <i>Cardiovascular Research</i> , 2008, 77, 221-230.	1.8	129
52	Acetylation of mitogen-activated protein kinase phosphatase-1 inhibits Toll-like receptor signaling. <i>Journal of Experimental Medicine</i> , 2008, 205, 1491-1503.	4.2	175
53	Exocytosis of Endothelial Cells Is Regulated by N-Ethylmaleimide-Sensitive Factor. <i>Methods in Molecular Biology</i> , 2008, 440, 203-215.	0.4	17
54	Glutamate mediates platelet activation through the AMPA receptor. <i>Journal of Cell Biology</i> , 2008, 180, i13-i13.	2.3	0

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55	Nitric Oxide and Platelet Function.. Blood, 2008, 112, sci-50-sci-50.	0.6	0
56	Pathogen Recognition by Toll-like Receptor 2 Activates Weibel-Palade Body Exocytosis in Human Aortic Endothelial Cells. Journal of Biological Chemistry, 2007, 282, 8134-8141.	1.6	50
57	Nitric oxide signaling comes of age: 20 years and thriving. Cardiovascular Research, 2007, 75, 207-209.	1.8	12
58	Antibody to human leukocyte antigen triggers endothelial exocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1301-1306.	3.3	135
59	Inhibition of <i>N</i> -Ethylmaleimide Sensitive Factor Protects Against Myocardial Ischemia/Reperfusion Injury. Circulation Research, 2007, 101, 1247-1254.	2.0	29
60	Outbreak Management and Implications of a Nosocomial Norovirus Outbreak. Clinical Infectious Diseases, 2007, 45, 534-540.	2.9	158
61	Inhibitor of NF- κ B Alpha is a Host Sensor of Coxsackievirus Infection. Cell Cycle, 2007, 6, 503-506.	1.3	7
62	Transactivation of miR-34a by p53 Broadly Influences Gene Expression and Promotes Apoptosis. Molecular Cell, 2007, 26, 745-752.	4.5	1,844
63	Nitric oxide regulation of protein trafficking in the cardiovascular system. Cardiovascular Research, 2007, 75, 240-246.	1.8	57
64	Weibel-Palade Bodies: Vesicular Trafficking on the Vascular Highways. , 2007, , 657-663.		0
65	N-Ethylmaleimide-sensitive factor: a redox sensor in exocytosis. Biological Chemistry, 2006, 387, 1377-1383.	1.2	30
66	Beneficial Effects of Neuronal Nitric Oxide Synthase in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1417-1418.	1.1	7
67	Integrin-Linked Kinase Plays a Key Role in Coxsackievirus Replication. Circulation Research, 2006, 99, 346-347.	2.0	4
68	Stat3 Mediates Interleukin-6 Inhibition of Human Endothelial Nitric-oxide Synthase Expression. Journal of Biological Chemistry, 2006, 281, 30057-30062.	1.6	69
69	Viral protease cleavage of inhibitor of κ B triggers host cell apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19051-19056.	3.3	58
70	Nitric oxide inhibits exocytosis of cytolytic granules from lymphokine-activated killer cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11689-11694.	3.3	19
71	Mature Hepatocyte Growth Factor/Scatter Factor on the Surface of Human Granulocytes Is Released by a Mechanism Involving Activated Factor Xa. Journal of Immunology, 2006, 176, 6945-6953.	0.4	15
72	What's in a name? eNOS and anaphylactic shock. Journal of Clinical Investigation, 2006, 116, 2075-2078.	3.9	30

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73	Statins, Inflammation, and Cardiomyopathy: Old Pathways, New Targets. <i>Fundamental and Clinical Cardiology</i> , 2006, , 155-166.	0.0	0
74	Vascular endothelial growth factor regulation of Weibel-Palade body exocytosis. <i>Blood</i> , 2005, 105, 207-214.	0.6	74
75	Platelets trigger endothelial exocytosis. <i>Blood</i> , 2005, 106, 2223-2223.	0.6	0
76	Regulation of Weibel Palade Body Exocytosis. <i>Trends in Cardiovascular Medicine</i> , 2005, 15, 302-308.	2.3	239
77	A Novel Class of Fusion Polypeptides Inhibits Exocytosis. <i>Molecular Pharmacology</i> , 2005, 67, 1137-1144.	1.0	31
78	HMG-CoA Reductase Inhibitors Inhibit Endothelial Exocytosis and Decrease Myocardial Infarct Size. <i>Circulation Research</i> , 2005, 96, 1185-1192.	2.0	75
79	Hydrogen peroxide regulation of endothelial exocytosis by inhibition of N-ethylmaleimide sensitive factor. <i>Journal of Cell Biology</i> , 2005, 170, 73-79.	2.3	38
80	Regulation of platelet granule exocytosis by S-nitrosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3782-3787.	3.3	130
81	Circulation Research Editors'™ Annual Report for 2004. <i>Circulation Research</i> , 2005, 96, 269-271.	2.0	0
82	Novel Pathogenetic Mechanisms in Myocarditis: Nitric Oxide Signaling. <i>Heart Failure Clinics</i> , 2005, 1, 345-361.	1.0	1
83	A Novel Inhibitor of N-Ethylmaleimide-Sensitive Factor Decreases Leukocyte Trafficking and Peritonitis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 155-161.	1.3	32
84	S-Nitrosylation of N-Ethylmaleimide Sensitive Factor Mediates Surface Expression of AMPA Receptors. <i>Neuron</i> , 2005, 46, 533-540.	3.8	165
85	Sphingosine 1-phosphate activates Weibel-Palade body exocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11483-11487.	3.3	46
86	Exogenous Thioredoxin Reduces Inflammation in Autoimmune Myocarditis. <i>Circulation</i> , 2004, 110, 1178-1179.	1.6	13
87	L-Arginine Ameliorates the Abnormal Sympathetic Response of the Dysfunctional Human Coronary Microvasculature. <i>Angiology</i> , 2004, 55, 1-8.	0.8	13
88	Ceramide Triggers Weibel Palade Body Exocytosis. <i>Circulation Research</i> , 2004, 95, 319-324.	2.0	40
89	Peroxynitrite inhibition of Coxsackievirus infection by prevention of viral RNA entry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11731-11736.	3.3	30
90	iNOS (NOS2) at a glance. <i>Journal of Cell Science</i> , 2004, 117, 2865-2867.	1.2	211

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91	The acute phase response and atherosclerosis. Drug Discovery Today Disease Mechanisms, 2004, 1, 17-22.	0.8	10
92	Circulation Research Editorsâ€™™ Yearly Report: 2003. Circulation Research, 2004, 94, 129-131.	2.0	0
93	Nitric Oxide Regulates Exocytosis by S-Nitrosylation of N-ethylmaleimide-Sensitive Factor. Cell, 2003, 115, 139-150.	13.5	413
94	Gene Therapy With Inducible Nitric Oxide Synthase Protects Against Myocardial Infarction via a Cyclooxygenase-2â€“Dependent Mechanism. Circulation Research, 2003, 92, 741-748.	2.0	76
95	Circulation Research Editorsâ€™™ Yearly Report: 2002. Circulation Research, 2003, 92, 121-123.	2.0	0
96	Nitric oxide inhibits the adenovirus proteinase in vitro and viral infectivity in vivo. FASEB Journal, 2003, 17, 2345-2346.	0.2	25
97	Inducible nitric oxide synthase expression inhibition by adenovirus E1A. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7773-7778.	3.3	18
98	Smad2 Mediates Transforming Growth Factor-Î² Induction of Endothelial Nitric Oxide Synthase Expression. Circulation Research, 2002, 91, 806-813.	2.0	78
99	Measuring Reactive Oxygen Species Inhibition of Endothelin-Converting Enzyme. Methods in Enzymology, 2002, 353, 263-268.	0.4	0
100	Purification and Assessment of Proteins Associated with Nitric Oxide Synthase. Methods in Enzymology, 2002, 353, 233-240.	0.4	1
101	TIMAP, a novel CAAX box protein regulated by TGF-Î²1 and expressed in endothelial cells. American Journal of Physiology - Cell Physiology, 2002, 283, C327-C337.	2.1	49
102	Circulation Research Editorsâ€™™ Yearly Report: 2001. Circulation Research, 2002, 90, 115-117.	2.0	1
103	Nitric Oxide in Viral Myocarditis. , 2002, , 379-396.		0
104	Activation of NF Î± B and Expression of ICAM-1 in Ischemicâ€“reperfused Canine Myocardium. Journal of Molecular and Cellular Cardiology, 2001, 33, 109-119.	0.9	32
105	Inducible Nitric Oxide Synthase Inhibition of Weibel-Palade Body Release in Cardiac Transplant Rejection. Circulation, 2001, 104, 2369-2375.	1.6	41
106	Nitric oxide and myocarditis. , 2001, , 207-223.		0
107	Inhibition of the Rac1 GTPase protects against nonlethal ischemia/reperfusionâ€“induced necrosis and apoptosis in vivo. FASEB Journal, 2000, 14, 418-429.	0.2	130
108	Regulation of plasminogen activator inhibitor-1 and urokinase by hyaluronan fragments in mouse macrophages. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L707-L715.	1.3	63

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109	Molecular Basis of Cell-specific Endothelial Nitric-oxide Synthase Expression in Airway Epithelium. Journal of Biological Chemistry, 2000, 275, 8183-8189.	1.6	49
110	<i>Circulation Research</i> Editorsâ€™™ Yearly Report: 1999â€™“2000. Circulation Research, 2000, 87, 261-263.	2.0	1
111	Under New Management. Circulation Research, 2000, 86, 111-113.	2.0	1
112	Superoxide Regulation of Endothelin-converting Enzyme. Journal of Biological Chemistry, 2000, 275, 26423-26427.	1.6	40
113	Kalirin Inhibition of Inducible Nitric-oxide Synthase. Journal of Biological Chemistry, 1999, 274, 993-999.	1.6	108
114	An Inducible Nitric-oxide Synthase (NOS)-associated Protein Inhibits NOS Dimerization and Activity. Journal of Biological Chemistry, 1999, 274, 30250-30257.	1.6	73
115	An Antiviral Mechanism of Nitric Oxide. Immunity, 1999, 10, 21-28.	6.6	228
116	Nitric oxide mediates neurologic injury after hypothermic circulatory arrest. Annals of Thoracic Surgery, 1999, 67, 65-71.	0.7	26
117	C6 Produced by Macrophages Contributes to Cardiac Allograft Rejection. American Journal of Pathology, 1999, 155, 1293-1302.	1.9	52
118	Interaction of interferon regulatory factor-1 and nuclear factor κ B during activation of inducible nitric oxide synthase transcription. Journal of Molecular Biology, 1999, 289, 459-471.	2.0	149
119	Involvement of transcriptional mechanisms in the inhibition of NOS2 expression by dexamethasone in rat mesangial cells. Kidney International, 1998, 53, 38-49.	2.6	37
120	Monosialoganglioside GM1 inhibits neurotoxicity after hypothermic circulatory arrest. Surgery, 1998, 124, 298-306.	1.0	18
121	The Central Role of CD4+ T Cells in the Antitumor Immune Response. Journal of Experimental Medicine, 1998, 188, 2357-2368.	4.2	1,194
122	Expression of Id1 Results in Apoptosis of Cardiac Myocytes through a Redox-dependent Mechanism. Journal of Biological Chemistry, 1998, 273, 25922-25928.	1.6	54
123	Midkine Induces Tumor Cell Proliferation and Binds to a High Affinity Signaling Receptor Associated with JAK Tyrosine Kinases. Journal of Biological Chemistry, 1998, 273, 3654-3660.	1.6	58
124	Hyaluronan Fragments Induce Nitric-oxide Synthase in Murine Macrophages through a Nuclear Factor κ B-dependent Mechanism. Journal of Biological Chemistry, 1997, 272, 8013-8018.	1.6	264
125	Post-transcriptional regulation of inducible nitric oxide synthase mRNA in murine macrophages by doxycycline and chemically modified tetracyclines. FEBS Letters, 1997, 410, 259-264.	1.3	112
126	Neuronal Nitric Oxide Synthase Inhibition Reduces Neuronal Apoptosis After Hypothermic Circulatory Arrest. Annals of Thoracic Surgery, 1997, 64, 1639-1647.	0.7	55

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127	Inducible nitric oxide synthase and nitric oxide production by oligodendrocytes. Journal of Neuroscience Research, 1997, 48, 372-384.	1.3	85
128	Inducible nitric oxide synthase and nitric oxide production by oligodendrocytes. , 1997, 48, 372.		4
129	Induction of neuronal nitric oxide after hypothermic circulatory arrest. Annals of Thoracic Surgery, 1996, 62, 1313-1320.	0.7	34
130	Regulation of Endothelial Nitric-oxide Synthase during Hypoxia. Journal of Biological Chemistry, 1996, 271, 15069-15073.	1.6	176
131	Tumor necrosis factor- α is required in the protective immune response against mycobacterium tuberculosis in mice. Immunity, 1995, 2, 561-572.	6.6	1,545
132	Contractile Responsiveness of Ventricular Myocytes to Isoproterenol Is Regulated by Induction of Nitric Oxide Synthase Activity in Cardiac Microvascular Endothelial Cells in Heterotypic Primary Culture. Circulation Research, 1995, 77, 486-493.	2.0	73
133	Induction of Nitric Oxide Synthase Activity by Cytokines in Ventricular Myocytes Is Necessary but Not Sufficient to Decrease Contractile Responsiveness to β^2 -Adrenergic Agonists. Circulation Research, 1995, 77, 494-502.	2.0	98
134	Nitric Oxide: A Physiologic Messenger. Annals of Internal Medicine, 1994, 120, 227.	2.0	810
135	[27] Purification, cloning, and expression of nitric-oxide synthase. Methods in Enzymology, 1994, 233, 264-269.	0.4	8
136	Immunohistochemical Localization of Nitric Oxide Synthase in the Autonomic Innervation of the Human Penis. Journal of Urology, 1993, 150, 73-76.	0.2	233
137	Nitric oxide synthase distribution in the enteric nervous system of Hirschsprung's disease. Gastroenterology, 1993, 105, 969-973.	0.6	123
138	Nitric oxide, a novel biologic messenger. Cell, 1992, 70, 705-707.	13.5	780
139	Cytokines and Lipopolysaccharide Induce Nitric Oxide Synthase in Cultured Rat Pulmonary Artery Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 1992, 7, 471-476.	1.4	125
140	Cloned and expressed nitric oxide synthase structurally resembles cytochrome P-450 reductase. Nature, 1991, 351, 714-718.	13.7	2,413