

# David Jourdeuil

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

3,279

citations

30

h-index

57

g-index

72

ext. papers

3,535

ext. citations

5.1

avg. IF

4.79

L-index

#	Paper	IF	Citations
68	Radiation-Induced Macrophage Senescence Impairs Resolution Programs and Drives Cardiovascular Inflammation. <i>Journal of Immunology</i> , <b>2021</b> , 207, 1812-1823	5.3	3
67	SDH Subunit C Regulates Muscle Oxygen Consumption and Fatigability in an Animal Model of Pulmonary Emphysema. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2021</b> , 65, 259-271	5.7	3
66	Emerging perspectives on cytoglobin, beyond NO dioxygenase and peroxidase. <i>Redox Biology</i> , <b>2020</b> , 32, 101468	11.3	8
65	Thymine DNA glycosylase is a key regulator of CaMKII $\alpha$ expression and vascular smooth muscle phenotype. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 317, H969-H980	5.2	1
64	Vascular smooth muscle-MAPK14 is required for neointimal hyperplasia by suppressing VSMC differentiation and inducing proliferation and inflammation. <i>Redox Biology</i> , <b>2019</b> , 22, 101137	11.3	25
63	Vimentin expression is required for the development of EMT-related renal fibrosis following unilateral ureteral obstruction in mice. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F769-F780	4.3	26
62	Selective expression of TSPAN2 in vascular smooth muscle is independently regulated by TGF- $\beta$ /SMAD and myocardin/serum response factor. <i>FASEB Journal</i> , <b>2017</b> , 31, 2576-2591	0.9	16
61	Dual Function for Mature Vascular Smooth Muscle Cells During Arteriovenous Fistula Remodeling. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	23
60	A Brief Overview of Nitric Oxide and Reactive Oxygen Species Signaling in Hypoxia-Induced Pulmonary Hypertension. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 967, 71-81	3.6	32
59	Cytoglobin Promotes Cardiac Progenitor Cell Survival against Oxidative Stress via the Upregulation of the NFB/iNOS Signal Pathway and Nitric Oxide Production. <i>Scientific Reports</i> , <b>2017</b> , 7, 10754	4.9	24
58	The Hemoglobin Homolog Cytoglobin in Smooth Muscle Inhibits Apoptosis and Regulates Vascular Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 1944-1955	9.4	17
57	MYOSLID Is a Novel Serum Response Factor-Dependent Long Noncoding RNA That Amplifies the Vascular Smooth Muscle Differentiation Program. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 2088-99	9.4	70
56	The neuroprotective properties of the superoxide dismutase mimetic tempol correlate with its ability to reduce pathological glutamate release in a rodent model of stroke. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 77, 168-82	7.8	47
55	The effect of omalizumab on small airway inflammation as measured by exhaled nitric oxide in moderate-to-severe asthmatic patients. <i>Allergy and Asthma Proceedings</i> , <b>2014</b> , 35, 241-9	2.6	11
54	Effects of low-dose fluticasone propionate/salmeterol combination therapy on exhaled nitric oxide and nitrite/nitrate in breath condensates from patients with mild persistent asthma. <i>Journal of Asthma</i> , <b>2013</b> , 50, 64-70	1.9	2
53	NADPH oxidase 4 is required for interleukin-1 $\beta$ -mediated activation of protein kinase C $\delta$ and downstream activation of c-jun N-terminal kinase signaling in smooth muscle. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 54, 125-34	7.8	11
52	Xanthine oxidase-mediated denitrosation of N-nitroso-tryptophan by superoxide and uric acid. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2013</b> , 28, 57-64	5	6

51	Neuroprotective properties of antioxidants in stroke correlate with their effects on ischemic release of glutamate. <i>FASEB Journal</i> , <b>2013</b> , 27, 1142.9	0.9	
50	S-nitrosation: current concepts and new developments. <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 17, 934-6.4	6.4	16
49	Selective vulnerability of synaptic signaling and metabolism to nitrosative stress. <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 17, 992-1012	8.4	16
48	FE NO concentrations in World Trade Center responders and controls, 6 years post-9/11. <i>Lung</i> , <b>2011</b> , 189, 295-303	2.9	3
47	Redox-sensitivity and site-specificity of S- and N- denitrosation in proteins. <i>PLoS ONE</i> , <b>2010</b> , 5, e14400	3.7	10
46	Interplay between calcium and reactive oxygen/nitrogen species: an essential paradigm for vascular smooth muscle signaling. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 12, 657-74	8.4	95
45	Upregulation of Nox4 by TGF{beta}1 oxidizes SERCA and inhibits NO in arterial smooth muscle of the prediabetic Zucker rat. <i>Circulation Research</i> , <b>2010</b> , 107, 975-83	15.7	82
44	The bell-shaped curve for peroxyxynitrite-mediated oxidation and nitration of NO/O2-* is alive and well. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, le15	5.4	8
43	Essential role for STIM1/Orai1-mediated calcium influx in PDGF-induced smooth muscle migration. <i>American Journal of Physiology - Cell Physiology</i> , <b>2010</b> , 298, C993-1005	5.4	124
42	Long-lasting inhibition of presynaptic metabolism and neurotransmitter release by protein S-nitrosylation. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 757-69	7.8	23
41	ICAM-1 cytoplasmic tail regulates endothelial glutathione synthesis through a NOX4/PI3-kinase-dependent pathway. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 1119-28	7.8	16
40	Cytoglobin is expressed in the vasculature and regulates cell respiration and proliferation via nitric oxide dioxygenation. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 8539-47	5.4	85
39	Tissue Glutathione Mediates the Conversion of Nitrite to Nitric Oxide in the Vascular Wall to Facilitate Vasodilation. <i>FASEB Journal</i> , <b>2009</b> , 23, 628.18	0.9	
38	Cytoglobin regulates cell respiration and nitrosative stress through NO dioxygenation and co-localizes with inducible nitric oxide synthase during vascular injury.. <i>FASEB Journal</i> , <b>2009</b> , 23, 852.3	0.9	
37	Activation of microglia with zymosan promotes excitatory amino acid release via volume-regulated anion channels: the role of NADPH oxidases. <i>Journal of Neurochemistry</i> , <b>2008</b> , 106, 2449-62	6	86
36	Regulation of smooth muscle by inducible nitric oxide synthase and NADPH oxidase in vascular proliferative diseases. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 1232-45	7.8	45
35	Redox control of G(1)/S cell cycle regulators during nitric oxide-mediated cell cycle arrest. <i>Journal of Cellular Physiology</i> , <b>2007</b> , 212, 827-39	7	18
34	iNOS regulation by calcium/calmodulin-dependent protein kinase II in vascular smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H2634-42	5.2	38

33	PKC-delta mediates activation of ERK1/2 and induction of iNOS by IL-1beta in vascular smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2006</b> , 290, C1583-91	5.4	29
32	Manganese superoxide dismutase protects from TNF-alpha-induced apoptosis by increasing the steady-state production of H2O2. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1295-305	8.4	56
31	Chemical considerations and biological selectivity of protein nitrosation: implications for NO-mediated signal transduction. <i>Antioxidants and Redox Signaling</i> , <b>2005</b> , 7, 593-606	8.4	24
30	Detection of nitrosothiols and other nitroso species in vitro and in cells. <i>Methods in Enzymology</i> , <b>2005</b> , 396, 118-31	1.7	15
29	Performance of diamino fluorophores for the localization of sources and targets of nitric oxide. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 356-68	7.8	54
28	Catalase potentiates interleukin-1beta-induced expression of nitric oxide synthase in rat vascular smooth muscle cells. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 597-605	7.8	20
27	Enhanced S-nitroso-albumin formation from inhaled NO during ischemia/reperfusion. <i>Circulation Research</i> , <b>2004</b> , 94, 559-65	15.7	85
26	Oxidation and nitrosation of thiols at low micromolar exposure to nitric oxide. Evidence for a free radical mechanism. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 15720-6	5.4	158
25	Increased nitric oxide-dependent nitrosylation of 4,5-diaminofluorescein by oxidants: implications for the measurement of intracellular nitric oxide. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 676-84	7.8	103
24	Concomitant S-, N-, and heme-nitros(yl)ation in biological tissues and fluids: implications for the fate of NO in vivo. <i>FASEB Journal</i> , <b>2002</b> , 16, 1775-85	0.9	333
23	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> , <b>2002</b> , 359, 84-105	1.7	63
22	Unique oxidative mechanisms for the reactive nitrogen oxide species, nitroxyl anion. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 1720-7	5.4	106
21	Reaction of superoxide and nitric oxide with peroxynitrite. Implications for peroxynitrite-mediated oxidation reactions in vivo. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 28799-805	5.4	176
20	Methods for distinguishing nitrosative and oxidative chemistry of reactive nitrogen oxide species derived from nitric oxide. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , <b>2001</b> , Chapter 10, Unit 10.8	1	2
19	Fluorometric techniques for the detection of nitric oxide and metabolites. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , <b>2001</b> , Chapter 10, Unit 10.4	1	2
18	Dynamic state of S-nitrosothiols in human plasma and whole blood. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 409-17	7.8	131
17	The Chemical Biology of Nitric Oxide <b>2000</b> , 41-55		29
16	S-nitrosothiol formation in blood of lipopolysaccharide-treated rats. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 273, 22-6	3.4	75

15	Stability of S-nitrosothiols in presence of copper, zinc-superoxide dismutase. <i>Methods in Enzymology</i> , <b>1999</b> , 301, 220-7	1.7	7
14	Detection of S-nitrosothiols by fluorometric and colorimetric methods. <i>Methods in Enzymology</i> , <b>1999</b> , 301, 201-11	1.7	52
13	Effects of nitric oxide on iron or hemoprotein-catalyzed oxidative reactions. <i>Methods in Enzymology</i> , <b>1999</b> , 301, 437-44	1.7	8
12	Effect of superoxide dismutase on the stability of S-nitrosothiols. <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 361, 323-30	4.1	110
11	The oxidative and nitrosative chemistry of the nitric oxide/superoxide reaction in the presence of bicarbonate. <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 365, 92-100	4.1	66
10	Role of inducible nitric oxide synthase in leukocyte extravasation in vivo. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 257, 684-6	3.4	33
9	The cytotoxicity of nitroxyl: possible implications for the pathophysiological role of NO. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 351, 66-74	4.1	189
8	The reaction of S-nitrosoglutathione with superoxide. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 244, 525-30	3.4	45
7	Effect of nitric oxide on hemoprotein-catalyzed oxidative reactions. <i>Nitric Oxide - Biology and Chemistry</i> , <b>1998</b> , 2, 37-44	5	46
6	Superoxide modulates the oxidation and nitrosation of thiols by nitric oxide-derived reactive intermediates. Chemical aspects involved in the balance between oxidative and nitrosative stress. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 11147-51	5.4	159
5	Oxidant-regulation of gene expression in the chronically inflamed intestine. <i>Keio Journal of Medicine</i> , <b>1997</b> , 46, 10-5	1.6	21
4	Oxidants, transcription factors, and intestinal inflammation. <i>Journal of Clinical Gastroenterology</i> , <b>1997</b> , 25 Suppl 1, S61-72	3	31
3	The anti-oxidant properties of 5-aminosalicylic acid. <i>Free Radical Biology and Medicine</i> , <b>1996</b> , 21, 367-73	7.8	29
2	Increased opioid binding to peripheral white blood cells in a rat model of acute cholestasis. <i>Gastroenterology</i> , <b>1995</b> , 108, 1479-86	13.3	10
1	Kinetics of photoperoxidation of arachidonic acid: molecular mechanisms and effects of antioxidants. <i>Lipids</i> , <b>1992</b> , 27, 959-67	1.6	20