

Ralf P Brandes

List of Publications by Year in descending order

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Version: 2024-02-01

252
papers

21,680
citations

7251

80
h-index

11946

139
g-index

257
all docs

257
docs citations

257
times ranked

25444
citing authors

#	ARTICLE	IF	CITATIONS
1	Myeloid-cell-specific deletion of inducible nitric oxide synthase protects against smoke-induced pulmonary hypertension in mice. <i>European Respiratory Journal</i> , 2022, 59, 2101153.	3.1	13
2	Long non-coding RNAs: novel regulators of cellular physiology and function. <i>Pflügers Archiv European Journal of Physiology</i> , 2022, 474, 191-204.	1.3	32
3	DNA topoisomerase inhibition with the HIF inhibitor acriflavine promotes transcription of lncRNAs in endothelial cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 1023-1035.	2.3	7
4	Reactive Oxygen Species Differentially Modulate the Metabolic and Transcriptomic Response of Endothelial Cells. <i>Antioxidants</i> , 2022, 11, 434.	2.2	9
5	Experimental uninephrectomy associates with less parasympathetic modulation of heart rate and facilitates sodium-dependent arterial hypertension. <i>PLoS ONE</i> , 2022, 17, e0265086.	1.1	1
6	Nuclear receptor activation shapes spatial genome organization essential for gene expression control: lessons learned from the vitamin D receptor. <i>Nucleic Acids Research</i> , 2022, 50, 3745-3763.	6.5	8
7	Loss of Endothelial Cytochrome P450 Reductase Induces Vascular Dysfunction in Mice. <i>Hypertension</i> , 2022, 79, 1216-1226.	1.3	3
8	Europhysiology 2022: bringing together the physiologists of Europe and the World. <i>Pflügers Archiv European Journal of Physiology</i> , 2022, 474, 481-482.	1.3	0
9	SPARC, a Novel Regulator of Vascular Cell Function in Pulmonary Hypertension. <i>Circulation</i> , 2022, 145, 916-933.	1.6	21
10	Epoxyeicosatrienoic Acid and Prostanoid Crosstalk at the Receptor and Intracellular Signaling Levels to Maintain Vascular Tone. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5939.	1.8	3
11	Vitamin D: A New Perspective in Treatment of Cerebral Vasospasm. <i>Neurosurgery</i> , 2021, 88, 674-685.	0.6	10
12	Mapping the Endothelial Cell S-Sulfhydryl Highlights the Crucial Role of Integrin Sulfhydrylation in Vascular Function. <i>Circulation</i> , 2021, 143, 935-948.	1.6	70
13	Vascular biotransformation of organic nitrates is independent of cytochrome P450 monooxygenases. <i>British Journal of Pharmacology</i> , 2021, 178, 1495-1506.	2.7	5
14	A hierarchical regulatory network analysis of the vitamin D induced transcriptome reveals novel regulators and complete VDR dependency in monocytes. <i>Scientific Reports</i> , 2021, 11, 6518.	1.6	28
15	Genetic deletion of Nox4 enhances cancerogen-induced formation of solid tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	20
16	MIR503HG Loss Promotes Endothelial-to-Mesenchymal Transition in Vascular Disease. <i>Circulation Research</i> , 2021, 128, 1173-1190.	2.0	41
17	Nox4-dependent upregulation of S100A4 after peripheral nerve injury modulates neuropathic pain processing. <i>Free Radical Biology and Medicine</i> , 2021, 168, 155-167.	1.3	9
18	Glycolysis and Inflammation: Partners in Crime!. <i>Circulation Research</i> , 2021, 129, 30-32.	2.0	12

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19	Understanding Arteriosclerosis 2.0: Making Sense of Genetic Variants with scATAC. <i>Circulation Research</i> , 2021, 129, 259-261.	2.0	1
20	Nox4 Maintains Blood Pressure during Low Sodium Diet. <i>Antioxidants</i> , 2021, 10, 1103.	2.2	2
21	Mitofusin 2 Deficiency Causes Pro-Inflammatory Effects in Human Primary Macrophages. <i>Frontiers in Immunology</i> , 2021, 12, 723683.	2.2	6
22	Is It in the EPIgenome?: Epigenetics Marks at Birth Are Associated With Arterial Stiffness in Children. <i>Hypertension</i> , 2021, 78, 801-803.	1.3	0
23	The hydrogen-peroxide producing NADPH oxidase 4 does not limit neointima development after vascular injury in mice. <i>Redox Biology</i> , 2021, 45, 102050.	3.9	7
24	DGK and DZHK position paper on genome editing: basic science applications and future perspective. <i>Basic Research in Cardiology</i> , 2021, 116, 2.	2.5	5
25	Shear stress regulates cystathionine β lyase expression to preserve endothelial redox balance and reduce membrane lipid peroxidation. <i>Redox Biology</i> , 2020, 28, 101379.	3.9	37
26	The endocannabinoid anandamide has an anti-inflammatory effect on CCL2 expression in vascular smooth muscle cells. <i>Basic Research in Cardiology</i> , 2020, 115, 34.	2.5	15
27	Deletion of NoxO1 limits atherosclerosis development in female mice. <i>Redox Biology</i> , 2020, 37, 101713.	3.9	13
28	ZNF354C is a transcriptional repressor that inhibits endothelial angiogenic sprouting. <i>Scientific Reports</i> , 2020, 10, 19079.	1.6	8
29	Thymosin beta-4x LINC SPAAR to its non-coding function. <i>Cardiovascular Research</i> , 2020, 116, 1927-1928.	1.8	0
30	NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. <i>Nature Metabolism</i> , 2020, 2, 532-546.	5.1	23
31	Aging-regulated anti-apoptotic long non-coding RNA Sarrah augments recovery from acute myocardial infarction. <i>Nature Communications</i> , 2020, 11, 2039.	5.8	63
32	Glucose-Stimulated Insulin Secretion Fundamentally Requires H ₂ O ₂ Signaling by NADPH Oxidase 4. <i>Diabetes</i> , 2020, 69, 1341-1354.	0.3	53
33	Cystathionine β Lyase Sulphydrates the RNA Binding Protein Human Antigen R to Preserve Endothelial Cell Function and Delay Atherogenesis. <i>Circulation</i> , 2019, 139, 101-114.	1.6	103
34	The histone demethylase Jarid1b mediates angiotensin II-induced endothelial dysfunction by controlling the 3'UTR of soluble epoxide hydrolase. <i>Acta Physiologica</i> , 2019, 225, e13168.	1.8	8
35	Narciclasine inhibits angiogenic processes by activation of Rho kinase and by downregulation of the VEGF receptor 2. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 135, 97-108.	0.9	17
36	Biglycan evokes autophagy in macrophages via a novel CD44/Toll-like receptor 4 signaling axis in ischemia/reperfusion injury. <i>Kidney International</i> , 2019, 95, 540-562.	2.6	78

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37	Pleiotropic effects of laminar flow and statins depend on the KrÄ¼ppel-like factor-induced lncRNA MANTIS. <i>European Heart Journal</i> , 2019, 40, 2523-2533.	1.0	58
38	Tolerizing CTL by Sustained Hepatic PD-L1 Expression Provides a New Therapy Approach in Mouse Sepsis. <i>Theranostics</i> , 2019, 9, 2003-2016.	4.6	13
39	The polarity protein Scrib limits atherosclerosis development in mice. <i>Cardiovascular Research</i> , 2019, 115, 1963-1974.	1.8	11
40	BIAM switch assay coupled to mass spectrometry identifies novel redox targets of NADPH oxidase 4. <i>Redox Biology</i> , 2019, 21, 101125.	3.9	13
41	The histone demethylase PHF 8 facilitates alternative splicing of the histocompatibility antigen HLA â€œG. <i>FEBS Letters</i> , 2019, 593, 487-498.	1.3	6
42	Redox Activation of Nox1 (NADPH Oxidase 1) Involves an Intermolecular Disulfide Bond Between Protein Disulfide Isomerase and p47 ^{phox} in Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 224-236.	1.1	25
43	Impact of the mitochondria-targeted antioxidant MitoQ on hypoxia-induced pulmonary hypertension. <i>European Respiratory Journal</i> , 2018, 51, 1701024.	3.1	64
44	Both cardiomyocyte and endothelial cell Nox4 mediate protection against hemodynamic overload-induced remodelling. <i>Cardiovascular Research</i> , 2018, 114, 401-408.	1.8	52
45	Long noncoding RNA LISPR1 is required for S1P signaling and endothelial cell function. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 116, 57-68.	0.9	35
46	Mitochondrial fragmentation in human macrophages attenuates palmitate-induced inflammatory responses. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 433-446.	1.2	15
47	Detection of Hydrogen Peroxide with Fluorescent Dyes. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 585-602.	2.5	55
48	Redox Regulation and Noncoding RNAs. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 793-812.	2.5	36
49	The NADPH organizers NoxO1 and p47 ^{phox} are both mediators of diabetes-induced vascular dysfunction in mice. <i>Redox Biology</i> , 2018, 15, 12-21.	3.9	40
50	IL-6 augments IL-4-induced polarization of primary human macrophages through synergy of STAT3, STAT6 and BATF transcription factors. <i>Oncolmmunology</i> , 2018, 7, e1494110.	2.1	37
51	^{scp} PAR ^{/scp} â€œ3 controls endothelial planar polarity and vascular inflammation under laminar flow. <i>EMBO Reports</i> , 2018, 19, .	2.0	34
52	Redox Regulation Beyond ROS. <i>Circulation Research</i> , 2018, 123, 326-328.	2.0	25
53	Oxidized phospholipids regulate amino acid metabolism through MTHFD2 to facilitate nucleotide release in endothelial cells. <i>Nature Communications</i> , 2018, 9, 2292.	5.8	44
54	Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity. <i>Circulation</i> , 2017, 136, 388-403.	1.6	128

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55	Mitochondrial Complex IV Subunit 4 Isoform 2 Is Essential for Acute Pulmonary Oxygen Sensing. <i>Circulation Research</i> , 2017, 121, 424-438.	2.0	90
56	Long Noncoding RNA MANTIS Facilitates Endothelial Angiogenic Function. <i>Circulation</i> , 2017, 136, 65-79.	1.6	196
57	Epigenetic control of microsomal prostaglandin E synthase-1 by HDAC-mediated recruitment of p300. <i>Journal of Lipid Research</i> , 2017, 58, 386-392.	2.0	5
58	NADPH oxidase 4 modulates hepatic responses to lipopolysaccharide mediated by Toll-like receptor-4. <i>Scientific Reports</i> , 2017, 7, 14346.	1.6	27
59	Lung Ischaemiaâ€“Reperfusion Injury: The Role of Reactive Oxygen Species. <i>Advances in Experimental Medicine and Biology</i> , 2017, 967, 195-225.	0.8	29
60	Organizers and activators: Cytosolic Nox proteins impacting on vascular function. <i>Free Radical Biology and Medicine</i> , 2017, 109, 22-32.	1.3	58
61	Cytochrome P450 enzymes but not NADPH oxidases are the source of the NADPH-dependent lucigenin chemiluminescence in membrane assays. <i>Free Radical Biology and Medicine</i> , 2017, 102, 57-66.	1.3	37
62	Biglycan- and Sphingosine Kinase-1 Signaling Crosstalk Regulates the Synthesis of Macrophage Chemoattractants. <i>International Journal of Molecular Sciences</i> , 2017, 18, 595.	1.8	31
63	PAFAH1B1 and the lncRNA <i>NONHSAT073641</i> maintain an angiogenic phenotype in human endothelial cells. <i>Acta Physiologica</i> , 2016, 218, 13-27.	1.8	22
64	The Endoplasmic Reticulum Chaperone Calnexin Is a NADPH Oxidase NOX4 Interacting Protein. <i>Journal of Biological Chemistry</i> , 2016, 291, 7045-7059.	1.6	60
65	Targeted redox inhibition of protein phosphatase 1 by Nox4 regulates $eIF2\alpha$ -mediated stress signaling. <i>EMBO Journal</i> , 2016, 35, 319-334.	3.5	91
66	CRISPR/Cas9-mediated knockout of p22phox leads to loss of Nox1 and Nox4, but not Nox5 activity. <i>Redox Biology</i> , 2016, 9, 287-295.	3.9	33
67	A Bitter Taste to Vascular Biology. <i>Circulation Research</i> , 2016, 119, 577-579.	2.0	1
68	The NADPH Oxidase Nox2 Mediates Vitamin D-Induced Vascular Regeneration in Male Mice. <i>Endocrinology</i> , 2016, 157, 4032-4040.	1.4	8
69	The Cytosolic NADPH Oxidase Subunit NoxO1 Promotes an Endothelial Stalk Cell Phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1558-1565.	1.1	26
70	Bimodal role of NADPH oxidases in the regulation of biglycan-triggered IL-1 β synthesis. <i>Matrix Biology</i> , 2016, 49, 61-81.	1.5	49
71	Metabolism Regulates Cellular Functions of Bone Marrow-Derived Cells used for Cardiac Therapy. <i>Stem Cells</i> , 2016, 34, 2236-2248.	1.4	7
72	Molecular mechanisms of hypoxia-inducible factor-induced pulmonary arterial smooth muscle cell alterations in pulmonary hypertension. <i>Journal of Physiology</i> , 2016, 594, 1167-1177.	1.3	57

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73	Analysis of Endothelial Adherence of <i>Bartonella henselae</i> and <i>Acinetobacter baumannii</i> Using a Dynamic Human <i>in vivo</i> Infection Model. <i>Infection and Immunity</i> , 2016, 84, 711-722.	1.0	25
74	Estradiol regulates human QT-interval: acceleration of cardiac repolarization by enhanced KCNH2 membrane trafficking. <i>European Heart Journal</i> , 2016, 37, 640-650.	1.0	50
75	Unchanged NADPH Oxidase Activity in Nox1-Nox2-Nox4 Triple Knockout Mice: What Do NADPH-Stimulated Chemiluminescence Assays Really Detect?. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 392-399.	2.5	52
76	The Histone Demethylase PHF8 Is Essential for Endothelial Cell Migration. <i>PLoS ONE</i> , 2016, 11, e0146645.	1.1	27
77	Reprogramming of myeloid angiogenic cells by <i>Bartonella henselae</i> leads to microenvironmental regulation of pathological angiogenesis. <i>Cellular Microbiology</i> , 2015, 17, 1447-1463.	1.1	15
78	Epigenetic Regulation of Angiogenesis by JARID1B-Induced Repression of HOXA5. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1645-1652.	1.1	33
79	Nicotinamide Adenine Dinucleotide Phosphate Oxidase-4-Dependent Upregulation of Nuclear Factor Erythroid-Derived 2-Like 2 Protects the Heart During Chronic Pressure Overload. <i>Hypertension</i> , 2015, 65, 547-553.	1.3	64
80	Hypoxia-Dependent Reactive Oxygen Species Signaling in the Pulmonary Circulation: Focus on Ion Channels. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 537-552.	2.5	50
81	Polarity Protein Scrib Facilitates Endothelial Inflammatory Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1954-1962.	1.1	7
82	Response to Letter Regarding Article, "Vitamin D Promotes Vascular Regeneration". <i>Circulation</i> , 2015, 131, e515-6.	1.6	0
83	Loss of Nrf2 in bone marrow-derived macrophages impairs antigen-driven CD8+ T cell function by limiting GSH and Cys availability. <i>Free Radical Biology and Medicine</i> , 2015, 83, 77-88.	1.3	39
84	The interaction between delayed rectifier channel alpha-subunits does not involve hetero-tetramer formation. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 973-981.	1.4	2
85	Hepatocyte Nicotinamide Adenine Dinucleotide Phosphate Reduced Oxidase 4 Regulates Stress Signaling, Fibrosis, and Insulin Sensitivity During Development of Steatohepatitis in Mice. <i>Gastroenterology</i> , 2015, 149, 468-480.e10.	0.6	136
86	The NADPH oxidase Nox4 has anti-atherosclerotic functions. <i>European Heart Journal</i> , 2015, 36, 3447-3456.	1.0	150
87	NADPH oxidase 4 regulates homocysteine metabolism and protects against acetaminophen-induced liver damage in mice. <i>Free Radical Biology and Medicine</i> , 2015, 89, 918-930.	1.3	27
88	Deficient angiogenesis in redox-dead Cys17Ser PKARI± knock-in mice. <i>Nature Communications</i> , 2015, 6, 7920.	5.8	41
89	NOX4-dependent Hydrogen peroxide promotes shear stress-induced SHP2 sulfenylation and eNOS activation. <i>Free Radical Biology and Medicine</i> , 2015, 89, 419-430.	1.3	35
90	Response to Pagano et al.. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1247-1249.	2.5	1

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91	Micro-CT Technique Is Well Suited for Documentation of Remodeling Processes in Murine Carotid Arteries. PLoS ONE, 2015, 10, e0130374.	1.1	11
92	Inhalation of the BKCa-Opener NS1619 Attenuates Right Ventricular Pressure and Improves Oxygenation in the Rat Monocrotaline Model of Pulmonary Hypertension. PLoS ONE, 2014, 9, e86636.	1.1	20
93	Phenotypic Characterization of miR-92a ^{-/-} Mice Reveals an Important Function of miR-92a in Skeletal Development. PLoS ONE, 2014, 9, e101153.	1.1	26
94	Response to Sympathoinhibitory Effect of Diltiazem and Prevention of Aneurysm Formation. Hypertension, 2014, 63, e13.	1.3	0
95	Vitamin D Promotes Vascular Regeneration. Circulation, 2014, 130, 976-986.	1.6	91
96	Flotillin-1 facilitates toll-like receptor 3 signaling in human endothelial cells. Basic Research in Cardiology, 2014, 109, 439.	2.5	19
97	NOXious Phosphorylation. Circulation Research, 2014, 115, 898-900.	2.0	4
98	Stimulation of Soluble Guanylate Cyclase Prevents Cigarette Smoke ² -induced Pulmonary Hypertension and Emphysema. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1359-1373.	2.5	80
99	SYNCRIP-Dependent <i>Nox2</i> mRNA Destabilization Impairs ROS Formation in M2-Polarized Macrophages. Antioxidants and Redox Signaling, 2014, 21, 2483-2497.	2.5	35
100	Endothelial Dysfunction and Hypertension. Hypertension, 2014, 64, 924-928.	1.3	207
101	TGF- β ² directs trafficking of the epithelial sodium channel ENaC which has implications for ion and fluid transport in acute lung injury. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E374-83.	3.3	129
102	Nox Family NADPH Oxidases in Mechano-Transduction: Mechanisms and Consequences. Antioxidants and Redox Signaling, 2014, 20, 887-898.	2.5	68
103	Targeting Inflammation and Oxidative Stress in Atrial Fibrillation: Role of 3-Hydroxy-3-Methylglutaryl-Coenzyme A Reductase Inhibition with Statins. Antioxidants and Redox Signaling, 2014, 20, 1268-1285.	2.5	85
104	Nox family NADPH oxidases: Molecular mechanisms of activation. Free Radical Biology and Medicine, 2014, 76, 208-226.	1.3	546
105	Laminar shear stress regulates mitochondrial dynamics, bioenergetics responses and PRX3 activation in endothelial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2403-2413.	1.9	34
106	Sympathoactivation and rho-kinase-dependent baroreflex function in experimental renovascular hypertension with reduced kidney mass. BMC Physiology, 2014, 14, 4.	3.6	10
107	Nox2-dependent signaling between macrophages and sensory neurons contributes to neuropathic pain hypersensitivity. Pain, 2014, 155, 2161-2170.	2.0	55
108	Redox-mediated signal transduction by cardiovascular Nox NADPH oxidases. Journal of Molecular and Cellular Cardiology, 2014, 73, 70-79.	0.9	81

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109	Elevated Heart Rate Triggers Action Potential Alternans and Sudden Death. Translational Study of a Homozygous KCNH2 Mutation. PLoS ONE, 2014, 9, e103150.	1.1	3
110	The Polarity Protein Scrib Is Essential for Directed Endothelial Cell Migration. Circulation Research, 2013, 112, 924-934.	2.0	51
111	Ca ^v 1-Type Calcium Channel Inhibitor Diltiazem Prevents Aneurysm Formation by Blood Pressure-Independent Anti-Inflammatory Effects. Hypertension, 2013, 62, 1098-1104.	1.3	22
112	Do Not Overcharge the System or It Will Explode!. Circulation Research, 2013, 113, 846-848.	2.0	2
113	Endo-PDI is required for TNF α -induced angiogenesis. Free Radical Biology and Medicine, 2013, 65, 1398-1407.	1.3	27
114	Function of NADPH Oxidase 1 in Pulmonary Arterial Smooth Muscle Cells After Monocrotaline-Induced Pulmonary Vascular Remodeling. Antioxidants and Redox Signaling, 2013, 19, 2213-2231.	2.5	62
115	Which NADPH Oxidase Isoform Is Relevant for Ischemic Stroke? The Case for Nox 2. Antioxidants and Redox Signaling, 2013, 18, 1400-1417.	2.5	110
116	Anti-atherosclerotic mechanisms of statin therapy. Current Opinion in Pharmacology, 2013, 13, 260-264.	1.7	42
117	Effects of Dimethylarginine Dimethylaminohydrolase ¹ Overexpression on the Response of the Pulmonary Vasculature to Hypoxia. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 491-500.	1.4	17
118	NADPH oxidase 4 limits bone mass by promoting osteoclastogenesis. Journal of Clinical Investigation, 2013, 123, 4731-4738.	3.9	142
119	Monoamine Oxidases Are Mediators of Endothelial Dysfunction in the Mouse Aorta. Hypertension, 2013, 62, 140-146.	1.3	78
120	Activation of Rac-1 and RhoA Contributes to Podocyte Injury in Chronic Kidney Disease. PLoS ONE, 2013, 8, e80328.	1.1	74
121	Response to the Letter by Schmidt et al Regarding "Nox4 Is a Janus-Faced Reactive Oxygen Species Generating NADPH Oxidase". Circulation Research, 2012, 111, .	2.0	0
122	Role of Src Tyrosine Kinases in Experimental Pulmonary Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1354-1365.	1.1	108
123	Leptin Potentiates Endothelium-Dependent Relaxation by Inducing Endothelial Expression of Neuronal NO Synthase. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1605-1612.	1.1	49
124	NADPH Oxidase-4 Maintains Neuropathic Pain after Peripheral Nerve Injury. Journal of Neuroscience, 2012, 32, 10136-10145.	1.7	94
125	Activation of TRPC6 channels is essential for lung ischaemia-reperfusion induced oedema in mice. Nature Communications, 2012, 3, 649.	5.8	162
126	Role of Nox4 in murine models of kidney disease. Free Radical Biology and Medicine, 2012, 53, 842-853.	1.3	131

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127	Nox4 Is a Protective Reactive Oxygen Species Generating Vascular NADPH Oxidase. <i>Circulation Research</i> , 2012, 110, 1217-1225.	2.0	540
128	NADPH oxidases as therapeutic targets in ischemic stroke. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2345-2363.	2.4	125
129	Hypoxia induces Kv channel current inhibition by increased NADPH oxidase-derived reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1033-1042.	1.3	68
130	Activation of thromboxane receptor modulates interleukin-1 β -induced monocyte adhesion—A novel role of Nox1. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1760-1766.	1.3	15
131	Liver fibrosis and hepatocyte apoptosis are attenuated by GKT137831, a novel NOX4/NOX1 inhibitor in vivo. <i>Free Radical Biology and Medicine</i> , 2012, 53, 289-296.	1.3	220
132	The Nox Family of NADPH Oxidases: Friend or Foe of the Vascular System?. <i>Current Hypertension Reports</i> , 2012, 14, 70-78.	1.5	122
133	Hepatocyte Growth Factor Induces a Proangiogenic Phenotype and Mobilizes Endothelial Progenitor Cells by Activating Nox2. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 915-923.	2.5	52
134	A pirinixic acid derivative (LP105) inhibits murine 5 α -lipoxygenase activity and attenuates vascular remodelling in a murine model of aortic aneurysm. <i>British Journal of Pharmacology</i> , 2011, 163, 1721-1732.	2.7	22
135	Acetylation-dependent regulation of endothelial Notch signalling by the SIRT1 deacetylase. <i>Nature</i> , 2011, 473, 234-238.	13.7	350
136	Levosimendan attenuates pulmonary vascular remodeling. <i>Intensive Care Medicine</i> , 2011, 37, 1368-1377.	3.9	52
137	Soluble Epoxide Hydrolase Limits Mechanical Hyperalgesia during Inflammation. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-78.	1.0	43
138	Therapeutic efficacy of TBC3711 in monocrotaline-induced pulmonary hypertension. <i>Respiratory Research</i> , 2011, 12, 87.	1.4	17
139	Endothelial Progenitor Cells=EPC=Elemental Pernicious Complexity. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 911-914.	2.5	4
140	Conditional Transgenic Expression of Fibroblast Growth Factor 9 in the Adult Mouse Heart Reduces Heart Failure Mortality After Myocardial Infarction. <i>Circulation</i> , 2011, 123, 504-514.	1.6	60
141	MicroRNA-29 in Aortic Dilatation: Implications for Aneurysm Formation. <i>Circulation Research</i> , 2011, 109, 1115-1119.	2.0	326
142	Vascular peroxidase 1/oxidasin: a complex protein with a simple function?. <i>Cardiovascular Research</i> , 2011, 91, 1-2.	1.8	24
143	The E-loop Is Involved in Hydrogen Peroxide Formation by the NADPH Oxidase Nox4. <i>Journal of Biological Chemistry</i> , 2011, 286, 13304-13313.	1.6	445
144	No Superoxide—No Stress?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1255-1257.	1.1	44

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145	NADPH oxidase Nox1 contributes to ischemic injury in experimental stroke in mice. <i>Neurobiology of Disease</i> , 2010, 40, 185-192.	2.1	84
146	NADPH oxidases in cardiovascular disease. <i>Free Radical Biology and Medicine</i> , 2010, 49, 687-706.	1.3	241
147	Soluble Epoxide Hydrolase Deficiency Attenuates Neointima Formation in the Femoral Cuff Model of Hyperlipidemic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 909-914.	1.1	52
148	NADPH oxidase-4 mediates protection against chronic load-induced stress in mouse hearts by enhancing angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18121-18126.	3.3	401
149	A miR-thless Perspective. <i>Circulation Research</i> , 2010, 107, 12-14.	2.0	3
150	Nox Activator 1. <i>Circulation</i> , 2010, 121, 549-559.	1.6	99
151	Vascular Functions of NADPH Oxidases. <i>Hypertension</i> , 2010, 56, 17-21.	1.3	21
152	Cardiovascular pharmacology in the post-blockbuster era. <i>Current Opinion in Pharmacology</i> , 2010, 10, 109-110.	1.7	0
153	NADPH Oxidases and Blood-Brain Barrier Dysfunction in Stroke. , 2010, , 211-230.		2
154	Inhibition of the Soluble Epoxide Hydrolase Promotes Albuminuria in Mice with Progressive Renal Disease. <i>PLoS ONE</i> , 2010, 5, e11979.	1.1	54
155	Inhibition of the Soluble Epoxide Hydrolase by Tyrosine Nitration. <i>Journal of Biological Chemistry</i> , 2009, 284, 28156-28163.	1.6	27
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