

Patrick J Pagano

List of Publications by Year in descending order

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99
papers

11,151
citations

36203

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96
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101
all docs

101
docs citations

101
times ranked

10783
citing authors

#	ARTICLE	IF	CITATIONS
1	NADPH oxidase 2 activity in Parkinson's disease. <i>Neurobiology of Disease</i> , 2022, 170, 105754.	2.1	18
2	Endothelial-Derived miR-17a ¹ /492 Promotes Angiogenesis to Protect against Renal Ischemia-Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 553-562.	3.0	20
3	The Enigmatic Vascular NOX: From Artifact to Double Agent of Change. <i>Hypertension</i> , 2021, 77, 275-283.	1.3	3
4	Notch2 suppression mimicking changes in human pulmonary hypertension modulates Notch1 and promotes endothelial cell proliferation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H542-H557.	1.5	15
5	Forestalling age-impaired angiogenesis and blood flow by targeting NOX: Interplay of NOX1, IL-6, and SASP in propagating cell senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
6	Cooperation between CYB5R3 and NOX4 via coenzyme Q mitigates endothelial inflammation. <i>Redox Biology</i> , 2021, 47, 102166.	3.9	13
7	CD47 Promotes Age-Associated Deterioration in Angiogenesis, Blood Flow and Glucose Homeostasis. <i>Cells</i> , 2020, 9, 1695.	1.8	34
8	Does the Mediterranean G6PD S188F Polymorphism Confer Vascular Protection?. <i>Hypertension</i> , 2020, 76, 314-315.	1.3	0
9	The Role of NADPH Oxidases in the Etiology of Obesity and Metabolic Syndrome: Contribution of Individual Isoforms and Cell Biology. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 687-709.	2.5	52
10	A novel combinatorial technique for simultaneous quantification of oxygen radicals and aggregation reveals unexpected redox patterns in the activation of platelets by different physiopathological stimuli. <i>Haematologica</i> , 2019, 104, 1879-1891.	1.7	18
11	Vascular TSP1-CD47 signaling promotes sickle cell-associated arterial vasculopathy and pulmonary hypertension in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L1150-L1164.	1.3	39
12	NADPH oxidase 2 inhibitors CPP11G and CPP11H attenuate endothelial cell inflammation & vessel dysfunction and restore mouse hind-limb flow. <i>Redox Biology</i> , 2019, 22, 101143.	3.9	37
13	Hepatocyte-Specific Ablation or Whole-Body Inhibition of Xanthine Oxidoreductase in Mice Corrects Obesity-Induced Systemic Hyperuricemia Without Improving Metabolic Abnormalities. <i>Diabetes</i> , 2019, 68, 1221-1229.	0.3	25
14	Nox1/Ref-1-mediated activation of CREB promotes Gremlin1-driven endothelial cell proliferation and migration. <i>Redox Biology</i> , 2019, 22, 101138.	3.9	35
15	Rational Design and Delivery of NOX-Inhibitory Peptides. <i>Methods in Molecular Biology</i> , 2019, 1982, 417-428.	0.4	4
16	Spontaneous DNA damage to the nuclear genome promotes senescence, redox imbalance and aging. <i>Redox Biology</i> , 2018, 17, 259-273.	3.9	103
17	Microvascular NADPH oxidase in health and disease. <i>Free Radical Biology and Medicine</i> , 2017, 109, 33-47.	1.3	58
18	Endothelial Nox1 oxidase assembly in human pulmonary arterial hypertension; driver of Gremlin1-mediated proliferation. <i>Clinical Science</i> , 2017, 131, 2019-2035.	1.8	43

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19	CD47 and Nox1 Mediate Dynamic Fluid-Phase Macropinocytosis of Native LDL. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 886-901.	2.5	38
20	The matricellular protein TSP1 promotes human and mouse endothelial cell senescence through CD47 and Nox1. <i>Science Signaling</i> , 2017, 10, .	1.6	65
21	NADPH oxidases: key modulators in aging and age-related cardiovascular diseases?. <i>Clinical Science</i> , 2016, 130, 317-335.	1.8	123
22	Binding of EBP50 to Nox organizing subunit p47phox is pivotal to cellular reactive species generation and altered vascular phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5308-E5317.	3.3	29
23	Nox and Inflammation in the Vascular Adventitia. <i>Hypertension</i> , 2016, 67, 14-19.	1.3	46
24	MEF2C-MYOCD and Leiomodulin1 Suppression by miRNA-214 Promotes Smooth Muscle Cell Phenotype Switching in Pulmonary Arterial Hypertension. <i>PLoS ONE</i> , 2016, 11, e0153780.	1.1	47
25	Platelet-derived HMGB1 is a critical mediator of thrombosis. <i>Journal of Clinical Investigation</i> , 2015, 125, 4638-4654.	3.9	281
26	MEF2B-Nox1 Signaling Is Critical for Stretch-Induced Phenotypic Modulation of Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 430-438.	1.1	78
27	Redox-modulating agents target NOX2-dependent IKK μ oncogenic kinase expression and proliferation in human breast cancer cell lines. <i>Redox Biology</i> , 2015, 6, 9-18.	3.9	14
28	Chemiluminescence and the Nox1-Nox2-Nox4 Triple Knockout. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1246-1247.	2.5	1
29	Nox Inhibitors & Therapies: Rational Design of Peptidic and Small Molecule Inhibitors. <i>Current Pharmaceutical Design</i> , 2015, 21, 6032-6035.	0.9	44
30	Thrombospondin-1 and CD47 regulation of cardiac, pulmonary and vascular responses in health and disease. <i>Matrix Biology</i> , 2014, 37, 92-101.	1.5	72
31	Early NADPH oxidase-2 activation is crucial in phenylephrine-induced hypertrophy of H9c2 cells. <i>Cellular Signalling</i> , 2014, 26, 1818-1824.	1.7	19
32	The Quest for Selective Nox Inhibitors and Therapeutics: Challenges, Triumphs and Pitfalls. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2741-2754.	2.5	72
33	Nox-derived ROS are acutely activated in pressure overload pulmonary hypertension: indications for a seminal role for mitochondrial Nox4. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H197-H205.	1.5	48
34	Thrombospondin-1 Activation of Signal-Regulatory Protein-1 α Stimulates Reactive Oxygen Species Production and Promotes Renal Ischemia Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1171-1186.	3.0	69
35	Aquaporin 1, Nox1, and Ask1 mediate oxidant-induced smooth muscle cell hypertrophy. <i>Cardiovascular Research</i> , 2013, 97, 134-142.	1.8	65
36	Bridged tetrahydroisoquinolines as selective NADPH oxidase 2 (Nox2) inhibitors. <i>MedChemComm</i> , 2013, 4, 1085.	3.5	33

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37	Strategies Aimed at Nox4 Oxidase Inhibition Employing Peptides from Nox4 B-Loop and C-Terminus and p22 ^{phox} -N-Terminus: An Elusive Target. <i>International Journal of Hypertension</i> , 2013, 2013, 1-9.	0.5	19
38	Proteomic Analysis Identifies an NADPH Oxidase 1 (Nox1)-Mediated Role for Actin-Related Protein 2/3 Complex Subunit 2 (ARPC2) in Promoting Smooth Muscle Cell Migration. <i>International Journal of Molecular Sciences</i> , 2013, 14, 20220-20235.	1.8	15
39	Selective Recapitulation of Conserved and Nonconserved Regions of Putative NOXA1 Protein Activation Domain Confers Isoform-specific Inhibition of Nox1 Oxidase and Attenuation of Endothelial Cell Migration. <i>Journal of Biological Chemistry</i> , 2013, 288, 36437-36450.	1.6	68
40	Thrombospondin-1 (TSP1) Impairs Vasorelaxation via Signal Regulatory Protein (SIRP)-Mediated Activation of NADPH Oxidase 1 (NOX1). <i>FASEB Journal</i> , 2013, 27, 1090.5.	0.2	0
41	Thrombospondin-1 Regulates Blood Flow via CD47 Receptor-Mediated Activation of NADPH Oxidase 1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2966-2973.	1.1	106
42	TrACEing Angiotensin II Type 1 to Right Ventricular Hypertrophy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 705-707.	2.5	2
43	NADPH oxidase inhibitors: a decade of discovery from Nox2ds to HTS. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2315-2325.	2.4	89
44	Nox2 B-loop peptide, Nox2ds, specifically inhibits the NADPH oxidase Nox2. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1116-1125.	1.3	115
45	Oxidases and peroxidases in cardiovascular and lung disease: New concepts in reactive oxygen species signaling. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1271-1288.	1.3	218
46	Mitogen-Activated Protein Kinase-Activated Protein Kinase 2 in Angiotensin II-Induced Inflammation and Hypertension. <i>Hypertension</i> , 2011, 57, 245-254.	1.3	60
47	Endosomal Clc-3 and Nox1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 240-242.	1.1	3
48	Adventitia-Derived Hydrogen Peroxide Impairs Relaxation of the Rat Carotid Artery via Smooth Muscle Cell p38 Mitogen-Activated Protein Kinase. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1507-1515.	2.5	28
49	Enhanced myogenic response in the afferent arteriole of spontaneously hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1769-H1775.	1.5	55
50	Lack of Glutathione Peroxidase 1 Accelerates Cardiac-Specific Hypertrophy and Dysfunction in Angiotensin II Hypertension. <i>Hypertension</i> , 2010, 55, 116-123.	1.3	63
51	HO-1 and CO Decrease Platelet-Derived Growth Factor-Induced Vascular Smooth Muscle Cell Migration Via Inhibition of Nox1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 98-104.	1.1	53
52	Thrombospondin-1 supports blood pressure by limiting eNOS activation and endothelial-dependent vasorelaxation. <i>Cardiovascular Research</i> , 2010, 88, 471-481.	1.8	131
53	Deletion of Inducible Nitric Oxide Synthase Provides Cardioprotection in Mice With 2-Kidney, 1-Clip Hypertension. <i>Hypertension</i> , 2009, 53, 49-56.	1.3	25
54	NOX and inflammation in the vascular adventitia. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1254-1266.	1.3	117

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55	Identification and characterization of VPO1, a new animal heme-containing peroxidase. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1682-1694.	1.3	93
56	Role of Inflammation in the Development of Renal Damage and Dysfunction in Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2008, 52, 256-263.	1.3	140
57	Nox4 Oxidase Overexpression Specifically Decreases Endogenous Nox4 mRNA and Inhibits Angiotensin II-Induced Adventitial Myofibroblast Migration. <i>Hypertension</i> , 2008, 52, 143-149.	1.3	77
58	Response to Inflammation, Angiotensin II, and Hypertension. <i>Hypertension</i> , 2008, 52, .	1.3	0
59	Arsenic-stimulated liver sinusoidal capillarization in mice requires NADPH oxidase-generated superoxide. <i>Journal of Clinical Investigation</i> , 2008, 118, 3980-3989.	3.9	103
60	Distinct hydrogen peroxide-induced constriction in multiple mouse arteries: potential influence of vascular polarization. <i>Pharmacological Reports</i> , 2008, 60, 61-7.	1.5	19
61	Adventitial fibroblast reactive oxygen species as autocrine and paracrine mediators of remodeling: Bellwether for vascular disease?. <i>Cardiovascular Research</i> , 2007, 75, 679-689.	1.8	109
62	The adventitia: The outs and ins of vascular disease. <i>Cardiovascular Research</i> , 2007, 75, 636-639.	1.8	29
63	Comparison of H ₂ O ₂ -induced vasoconstriction in the abdominal aorta and mesenteric artery of the mouse. <i>Vascular Pharmacology</i> , 2007, 47, 288-294.	1.0	12
64	Targeting reactive oxygen species in hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2006, 15, 179-186.	1.0	74
65	Hydrogen Peroxide as a Paracrine Vascular Mediator: Regulation and Signaling Leading to Dysfunction. <i>Experimental Biology and Medicine</i> , 2006, 231, 237-251.	1.1	196
66	NO-mediated regulation of NAD(P)H oxidase by laminar shear stress in human endothelial cells. <i>Journal of Physiology</i> , 2006, 576, 557-567.	1.3	90
67	Sphingosine kinase functionally links elevated transmural pressure and increased reactive oxygen species formation in resistance arteries. <i>FASEB Journal</i> , 2006, 20, 702-704.	0.2	55
68	Adventitial delivery of dominant-negative p67phox attenuates neointimal hyperplasia of the rat carotid artery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1933-H1941.	1.5	42
69	Glycated Proteins Stimulate Reactive Oxygen Species Production in Cardiac Myocytes. <i>Circulation</i> , 2006, 113, 1235-1243.	1.6	173
70	Reduced NAD(P)H Oxidase in Low Renin Hypertension. <i>Hypertension</i> , 2006, 47, 81-86.	1.3	94
71	Perivascular gene transfer of NADPH oxidase inhibitor suppresses angioplasty-induced neointimal proliferation of rat carotid artery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H946-H953.	1.5	74
72	Lack of Inducible NO Synthase Reduces Oxidative Stress and Enhances Cardiac Response to Isoproterenol in Mice With Deoxycorticosterone Acetate-Salt Hypertension. <i>Hypertension</i> , 2005, 46, 1355-1361.	1.3	27

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73	GLUT4 Facilitative Glucose Transporter Specifically and Differentially Contributes to Agonist-Induced Vascular Reactivity in Mouse Aorta. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1596-1602.	1.1	38
74	Gene Transfer of NAD(P)H Oxidase Inhibitor to the Vascular Adventitia Attenuates Medial Smooth Muscle Hypertrophy. <i>Circulation Research</i> , 2004, 95, 587-594.	2.0	82
75	Novel NAD(P)H Oxidase Inhibitor Suppresses Angioplasty-Induced Superoxide and Neointimal Hyperplasia of Rat Carotid Artery. <i>Circulation Research</i> , 2003, 92, 637-643.	2.0	138
76	Endothelin-1 Increases Vascular Superoxide via Endothelin A α -NADPH Oxidase Pathway in Low-Renin Hypertension. <i>Circulation</i> , 2003, 107, 1053-1058.	1.6	309
77	NAD(P)H Oxidase Mediates Angiotensin II α -Induced Vascular Macrophage Infiltration and Medial Hypertrophy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 776-782.	1.1	177
78	Novel Role of gp91phox-Containing NAD(P)H Oxidase in Vascular Endothelial Growth Factor α -Induced Signaling and Angiogenesis. <i>Circulation Research</i> , 2002, 91, 1160-1167.	2.0	449
79	Perivascular Superoxide Anion Contributes to Impairment of Endothelium-Dependent Relaxation. <i>Circulation</i> , 2002, 106, 2497-2502.	1.6	105
80	Rac-Dependent Monocyte Chemoattractant Protein-1 Production Is Induced by Nutrient Deprivation. <i>Circulation Research</i> , 2002, 91, 798-805.	2.0	37
81	The Reactive Adventitia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1962-1971.	1.1	161
82	Expression of a Functionally Active gp91phox-Containing Neutrophil-Type NAD(P)H Oxidase in Smooth Muscle Cells From Human Resistance Arteries. <i>Circulation Research</i> , 2002, 90, 1205-1213.	2.0	558
83	Cloning and sequencing of rabbit leukocyte NADPH oxidase genes reveals a unique p67(phox) homolog. <i>Journal of Leukocyte Biology</i> , 2002, 71, 319-28.	1.5	9
84	Reactive Oxygen Species Mediate Alpha-adrenergic Receptor-stimulated Hypertrophy in Adult Rat Ventricular Myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, 131-139.	0.9	157
85	Oxidative stress regulates collagen synthesis and matrix metalloproteinase activity in cardiac fibroblasts. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C53-C60.	2.1	571
86	Upregulated Expression of Rat Heart Intercellular Adhesion Molecule-1 in Angiotensin II α but Not Phenylephrine- Induced Hypertension. <i>Hypertension</i> , 2001, 37, 58-65.	1.3	36
87	Reactive Oxygen Species Mediate Amplitude-Dependent Hypertrophic and Apoptotic Responses to Mechanical Stretch in Cardiac Myocytes. <i>Circulation Research</i> , 2001, 89, 453-460.	2.0	310
88	Upregulation of p67 ^{phox} and gp91 ^{phox} in aortas from angiotensin II-infused mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H2234-H2240.	1.5	158
89	Vascular Effects Following Homozygous Disruption of p47 ^{phox} . <i>Circulation</i> , 2000, 101, 1234-1236.	1.6	152
90	Vascular gp91 ^{phox} . <i>Circulation Research</i> , 2000, 87, 1-3.	2.0	827

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91	Resistance of endothelium-dependent relaxation to elevation of $O_2^{\cdot -}$ levels in rabbit carotid artery. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2109-H2114.	1.5	23
92	Paracrine Role of Adventitial Superoxide Anion in Mediating Spontaneous Tone of the Isolated Rat Aorta in Angiotensin II-Induced Hypertension. Hypertension, 1999, 33, 1225-1232.	1.3	113
93	Inhibition of Copper-Zinc Superoxide Dismutase Induces Cell Growth, Hypertrophic Phenotype, and Apoptosis in Neonatal Rat Cardiac Myocytes In Vitro. Circulation Research, 1999, 85, 147-153.	2.0	257
94	Angiotensin II Induces p67 ^{phox} mRNA Expression and NADPH Oxidase Superoxide Generation in Rabbit Aortic Adventitial Fibroblasts. Hypertension, 1998, 32, 331-337.	1.3	212
95	Superoxide Anion From the Adventitia of the Rat Thoracic Aorta Inactivates Nitric Oxide. Circulation Research, 1998, 82, 810-818.	2.0	349
96	Role of superoxide in apoptosis induced by growth factor withdrawal. American Journal of Physiology - Renal Physiology, 1998, 275, F691-F702.	1.3	43
97	Nitric oxide directly activates calcium-dependent potassium channels in vascular smooth muscle. Nature, 1994, 368, 850-853.	13.7	1,601
98	Differential responses of pituitary kallikrein and prolactin to tamoxifen and chlorotrianisene. Molecular and Cellular Endocrinology, 1989, 66, 93-100.	1.6	13
99	Immunochemical studies on the contribution of NADPH cytochrome P-450 reductase to the cytochrome P-450-dependent metabolism of arachidonic acid. Archives of Biochemistry and Biophysics, 1987, 252, 635-645.	1.4	13