Guangjie Cheng

List of Publications by Year
in descending order

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Version: 2024-02-01

47 papers	4,600 citations	218677 26 h-index	254184 43 g-index
48 all docs	48 docs citations	48 times ranked	5023 citing authors

#	Article	IF	Citations
1	Homologs of gp91 phox : cloning and tissue expression of Nox3, Nox4, and Nox5. Gene, 2001, 269, 131-140.	2.2	747
2	The NAD(P)H Oxidase Homolog Nox4 Modulates Insulin-Stimulated Generation of H 2 O 2 and Plays an Integral Role in Insulin Signal Transduction. Molecular and Cellular Biology, 2004, 24, 1844-1854.	2.3	471
3	Nox1 Overexpression Potentiates Angiotensin II-Induced Hypertension and Vascular Smooth Muscle Hypertrophy in Transgenic Mice. Circulation, 2005, 112, 2668-2676.	1.6	396
4	Tyrosine cross-linking of extracellular matrix is catalyzed by Duox, a multidomain oxidase/peroxidase with homology to the phagocyte oxidase subunit gp91phox. Journal of Cell Biology, 2001, 154, 879-892.	5.2	357
5	Novel homologs of gp91phox. Trends in Biochemical Sciences, 2000, 25, 459-461.	7.5	350
6	Annexin A1, formyl peptide receptor, and NOX1 orchestrate epithelial repair. Journal of Clinical Investigation, 2013, 123, 443-454.	8.2	244
7	Nox1-dependent Reactive Oxygen Generation Is Regulated by Rac1. Journal of Biological Chemistry, 2006, 281, 17718-17726.	3.4	241
8	Point Mutations in the Proline-rich Region of p22 Are Dominant Inhibitors of Nox1- and Nox2-dependent Reactive Oxygen Generation. Journal of Biological Chemistry, 2005, 280, 31859-31869.	3.4	207
9	NOXO1, Regulation of Lipid Binding, Localization, and Activation of Nox1 by the Phox Homology (PX) Domain. Journal of Biological Chemistry, 2004, 279, 4737-4742.	3.4	186
10	Nox1 is overâ€expressed in human colon cancers and correlates with activating mutations in Kâ€Ras. International Journal of Cancer, 2008, 123, 100-107.	5.1	141
11	Nox3 Regulation by NOXO1, p47 , and p67. Journal of Biological Chemistry, 2004, 279, 34250-34255.	3.4	140
12	Oxidative Stress in Pulmonary Fibrosis. , 2020, 10, 509-547.		127
13	Identification and characterization of VPO1, a new animal heme-containing peroxidase. Free Radical Biology and Medicine, 2008, 45, 1682-1694.	2.9	93
14	NADPH Oxidases in Lung Health and Disease. Antioxidants and Redox Signaling, 2014, 20, 2838-2853.	5.4	84
15	Involvement of vascular peroxidase 1 in angiotensin II-induced vascular smooth muscle cell proliferation. Cardiovascular Research, 2011, 91, 27-36.	3.8	69
16	Microbicidal Activity of Vascular Peroxidase 1 in Human Plasma via Generation of Hypochlorous Acid. Infection and Immunity, 2012, 80, 2528-2537.	2.2	59
17	Alternative mRNA splice forms of NOXO1: Differential tissue expression and regulation of Nox1 and Nox3. Gene, 2005, 356, 118-126.	2.2	53
18	VPO1 Modulates Vascular Smooth Muscle Cell Phenotypic Switch by Activating Extracellular Signalâ€regulated Kinase 1/2 (ERK 1/2) in Abdominal Aortic Aneurysms. Journal of the American Heart Association, 2018, 7, e010069.	3.7	49

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19	Myeloperoxidase Is Increased in Human Cerebral Aneurysms and Increases Formation and Rupture of Cerebral Aneurysms in Mice. Stroke, 2015, 46, 1651-1656.	2.0	48
20	Role of VPO1, a newly identified heme-containing peroxidase, in ox-LDL induced endothelial cell apoptosis. Free Radical Biology and Medicine, 2011, 51, 1492-1500.	2.9	45
21	Negative Regulation of NADPH Oxidase 4 by Hydrogen Peroxide-inducible Clone 5 (Hic-5) Protein. Journal of Biological Chemistry, 2014, 289, 18270-18278.	3.4	45
22	The role of vascular peroxidase 1 in ox-LDL-induced vascular smoothÂmuscle cell calcification. Atherosclerosis, 2015, 243, 357-363.	0.8	43
23	Vascular peroxidase 1 mediates hypoxia-induced pulmonary artery smooth muscle cell proliferation, apoptosis resistance and migration. Cardiovascular Research, 2018, 114, 188-199.	3.8	41
24	Vascular peroxidase 1 catalyzes the formation of hypohalous acids: Characterization of its substrate specificity and enzymatic properties. Free Radical Biology and Medicine, 2012, 53, 1954-1959.	2.9	39
25	Rh50 Glycoprotein Gene and Rhnull Disease: A Silent Splice Donor Is trans to a Gly279â†'Glu Missense Mutation in the Conserved Transmembrane Segment. Blood, 1998, 92, 1776-1784.	1.4	33
26	Molecular basis for Rhnull syndrome: Identification of three new missense mutations in the Rh50 glycoprotein gene. , 1999, 62, 25-32.		31
27	Vascular peroxidase-1 is rapidly secreted, circulates in plasma, and supports dityrosine cross-linking reactions. Free Radical Biology and Medicine, 2011, 51, 1445-1453.	2.9	31
28	Vascular peroxidase 1 is a novel regulator of cardiac fibrosis after myocardial infarction. Redox Biology, 2019, 22, 101151.	9.0	30
29	Critical role of vascular peroxidase 1 in regulating endothelial nitric oxide synthase. Redox Biology, 2017, 12, 226-232.	9.0	25
30	VPO1 Mediates ApoE Oxidation and Impairs the Clearance of Plasma Lipids. PLoS ONE, 2013, 8, e57571.	2.5	22
31	Peroxidasin promotes diabetic vascular endothelial dysfunction induced by advanced glycation end products via NOX2/HOCl/Akt/eNOS pathway. Redox Biology, 2021, 45, 102031.	9.0	19
32	Vascular VPO1 expression is related to the endothelial dysfunction in spontaneously hypertensive rats. Biochemical and Biophysical Research Communications, 2013, 439, 511-516.	2.1	17
33	NADPH Oxidase 1 Is Associated with Altered Host Survival and T Cell Phenotypes after Influenza A Virus Infection in Mice. PLoS ONE, 2016, 11, e0149864.	2.5	17
34	Involvement of vascular peroxidase 1 in angiotensin Iiâ€"induced hypertrophy of H9c2 cells. Journal of the American Society of Hypertension, 2017, 11, 519-529.e1.	2.3	16
35	Peroxidasin contributes to lung host defense by direct binding and killing of gram-negative bacteria. PLoS Pathogens, 2018, 14, e1007026.	4.7	16
36	Evaluation of two anti-gp91phox antibodies as immunoprobes for Nox family proteins: mAb 54.1 recognizes recombinant full-length Nox2, Nox3 and the C-terminal domains of Nox1-4 and cross-reacts with GRP 58. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1752, 186-196.	2.3	15

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37	Vascular peroxidase 1 up regulation by angiotensin II attenuates nitric oxide production through increasing asymmetrical dimethylarginine in HUVECs. Journal of the American Society of Hypertension, 2016, 10, 741-751.e3.	2.3	12
38	VPO1 mediates oxidation of LDL and formation of foam cells. Oncotarget, 2016, 7, 35500-35511.	1.8	10
39	Mammalian peroxidasin (PXDN): From physiology to pathology. Free Radical Biology and Medicine, 2022, 182, 100-107.	2.9	10
40	The role of losartan in preventing vascular remodeling in spontaneously hypertensive rats by inhibition of the H2O2/VPO1/HOCl/MMPs pathway. Biochemical and Biophysical Research Communications, 2017, 493, 855-861.	2.1	7
41	PXDN reduces autophagic flux in insulin-resistant cardiomyocytes via modulating FoxO1. Cell Death and Disease, 2021, 12, 418.	6.3	5
42	Meta-analysis of myeloperoxidase gene polymorphism and coronary artery disease susceptibility. Journal of Central South University (Medical Sciences), 2014, 39, 217-31.	0.1	5
43	Recombinant Myeloperoxidase as a New Class of Antimicrobial Agents. Microbiology Spectrum, 2022, 10, e0052221.	3.0	2
44	Molecular basis for Rhnull syndrome: Identification of three new missense mutations in the Rh50 glycoprotein gene. American Journal of Hematology, 1999, 62, 25-32.	4.1	1
45	Rh50 Glycoprotein Gene and Rhnull Disease: A Silent Splice Donor Is trans to a Gly279â†'Glu Missense Mutation in the Conserved Transmembrane Segment. Blood, 1998, 92, 1776-1784.	1.4	1
46	VASCULAR PEROXIDE 1 IS INVOLVED IN VASCULAR REMODELLING IN SPONTANEOUSLY HYPERTENSIVE RATS VIA MATRIX METALLOPROTEINASE-2 ACTIVATION. Heart, 2012, 98, E67.1-E67.	2.9	0
47	THE ROLE OF VASCULAR PEROXIDE 1 IN SPONTANEOUSLY HYPERTENSIVE RAT LEFT VENTRICULAR REMODELLING. Heart, 2012, 98, E66.1-E66.	2.9	0