

# Guangjie Cheng

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

4,600  
citations

218381

26  
h-index

264894

42  
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. <i>Gene</i> , 2001, 269, 131-140.	1.0	747
2	The NAD(P)H Oxidase Homolog Nox4 Modulates Insulin-Stimulated Generation of H <sub>2</sub> O <sub>2</sub> and Plays an Integral Role in Insulin Signal Transduction. <i>Molecular and Cellular Biology</i> , 2004, 24, 1844-1854.	1.1	471
3	Nox1 Overexpression Potentiates Angiotensin II-Induced Hypertension and Vascular Smooth Muscle Hypertrophy in Transgenic Mice. <i>Circulation</i> , 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. <i>Journal of Cell Biology</i> , 2001, 154, 879-892.	2.3	357
5	Novel homologs of gp91phox. <i>Trends in Biochemical Sciences</i> , 2000, 25, 459-461.	3.7	350
6	Annexin A1, formyl peptide receptor, and NOX1 orchestrate epithelial repair. <i>Journal of Clinical Investigation</i> , 2013, 123, 443-454.	3.9	244
7	Nox1-dependent Reactive Oxygen Generation Is Regulated by Rac1. <i>Journal of Biological Chemistry</i> , 2006, 281, 17718-17726.	1.6	241
8	Point Mutations in the Proline-rich Region of p22 Are Dominant Inhibitors of Nox1- and Nox2-dependent Reactive Oxygen Generation. <i>Journal of Biological Chemistry</i> , 2005, 280, 31859-31869.	1.6	207
9	NOXO1, Regulation of Lipid Binding, Localization, and Activation of Nox1 by the Phox Homology (PX) Domain. <i>Journal of Biological Chemistry</i> , 2004, 279, 4737-4742.	1.6	186
10	Nox1 is overexpressed in human colon cancers and correlates with activating mutations in K-Ras. <i>International Journal of Cancer</i> , 2008, 123, 100-107.	2.3	141
11	Nox3 Regulation by NOXO1, p47, and p67. <i>Journal of Biological Chemistry</i> , 2004, 279, 34250-34255.	1.6	140
12	Oxidative Stress in Pulmonary Fibrosis. , 2020, 10, 509-547.		127
13	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
14	NADPH Oxidases in Lung Health and Disease. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2838-2853.	2.5	84
15	Involvement of vascular peroxidase 1 in angiotensin II-induced vascular smooth muscle cell proliferation. <i>Cardiovascular Research</i> , 2011, 91, 27-36.	1.8	69
16	Microbicidal Activity of Vascular Peroxidase 1 in Human Plasma via Generation of Hypochlorous Acid. <i>Infection and Immunity</i> , 2012, 80, 2528-2537.	1.0	59
17	Alternative mRNA splice forms of NOXO1: Differential tissue expression and regulation of Nox1 and Nox3. <i>Gene</i> , 2005, 356, 118-126.	1.0	53
18	VPO1 Modulates Vascular Smooth Muscle Cell Phenotypic Switch by Activating Extracellular Signal-regulated Kinase 1/2 (ERK 1/2) in Abdominal Aortic Aneurysms. <i>Journal of the American Heart Association</i> , 2018, 7, e010069.	1.6	49

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19	Myeloperoxidase Is Increased in Human Cerebral Aneurysms and Increases Formation and Rupture of Cerebral Aneurysms in Mice. <i>Stroke</i> , 2015, 46, 1651-1656.	1.0	48
20	Role of VPO1, a newly identified heme-containing peroxidase, in ox-LDL induced endothelial cell apoptosis. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1492-1500.	1.3	45
21	Negative Regulation of NADPH Oxidase 4 by Hydrogen Peroxide-inducible Clone 5 (Hic-5) Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 18270-18278.	1.6	45
22	The role of vascular peroxidase 1 in ox-LDL-induced vascular smooth muscle cell calcification. <i>Atherosclerosis</i> , 2015, 243, 357-363.	0.4	43
23	Vascular peroxidase 1 mediates hypoxia-induced pulmonary artery smooth muscle cell proliferation, apoptosis resistance and migration. <i>Cardiovascular Research</i> , 2018, 114, 188-199.	1.8	41
24	Vascular peroxidase 1 catalyzes the formation of hypohalous acids: Characterization of its substrate specificity and enzymatic properties. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1954-1959.	1.3	39
25	Rh50 Glycoprotein Gene and Rhnull Disease: A Silent Splice Donor Is trans to a Gly279→Glu Missense Mutation in the Conserved Transmembrane Segment. <i>Blood</i> , 1998, 92, 1776-1784.	0.6	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. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1445-1453.	1.3	31
28	Vascular peroxidase 1 is a novel regulator of cardiac fibrosis after myocardial infarction. <i>Redox Biology</i> , 2019, 22, 101151.	3.9	30
29	Critical role of vascular peroxidase 1 in regulating endothelial nitric oxide synthase. <i>Redox Biology</i> , 2017, 12, 226-232.	3.9	25
30	VPO1 Mediates ApoE Oxidation and Impairs the Clearance of Plasma Lipids. <i>PLoS ONE</i> , 2013, 8, e57571.	1.1	22
31	Peroxidasin promotes diabetic vascular endothelial dysfunction induced by advanced glycation end products via NOX2/HOCl/Akt/eNOS pathway. <i>Redox Biology</i> , 2021, 45, 102031.	3.9	19
32	Vascular VPO1 expression is related to the endothelial dysfunction in spontaneously hypertensive rats. <i>Biochemical and Biophysical Research Communications</i> , 2013, 439, 511-516.	1.0	17
33	NADPH Oxidase 1 Is Associated with Altered Host Survival and T Cell Phenotypes after Influenza A Virus Infection in Mice. <i>PLoS ONE</i> , 2016, 11, e0149864.	1.1	17
34	Involvement of vascular peroxidase 1 in angiotensin II-induced hypertrophy of H9c2 cells. <i>Journal of the American Society of Hypertension</i> , 2017, 11, 519-529.e1.	2.3	16
35	Peroxidasin contributes to lung host defense by direct binding and killing of gram-negative bacteria. <i>PLoS Pathogens</i> , 2018, 14, e1007026.	2.1	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. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1752, 186-196.	1.1	15

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37	Vascular peroxidase 1 up regulation by angiotensin II attenuates nitric oxide production through increasing asymmetrical dimethylarginine in HUVECs. <i>Journal of the American Society of Hypertension</i> , 2016, 10, 741-751.e3.	2.3	12
38	VPO1 mediates oxidation of LDL and formation of foam cells. <i>Oncotarget</i> , 2016, 7, 35500-35511.	0.8	10
39	Mammalian peroxidase (PXDN): From physiology to pathology. <i>Free Radical Biology and Medicine</i> , 2022, 182, 100-107.	1.3	10
40	The role of losartan in preventing vascular remodeling in spontaneously hypertensive rats by inhibition of the H <sub>2</sub> O <sub>2</sub> /VPO1/HOCl/MMPs pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 855-861.	1.0	7
41	PXDN reduces autophagic flux in insulin-resistant cardiomyocytes via modulating FoxO1. <i>Cell Death and Disease</i> , 2021, 12, 418.	2.7	5
42	Meta-analysis of myeloperoxidase gene polymorphism and coronary artery disease susceptibility. <i>Journal of Central South University (Medical Sciences)</i> , 2014, 39, 217-31.	0.1	5
43	Recombinant Myeloperoxidase as a New Class of Antimicrobial Agents. <i>Microbiology Spectrum</i> , 2022, 10, e0052221.	1.2	2
44	Molecular basis for Rhnnull syndrome: Identification of three new missense mutations in the Rh50 glycoprotein gene. , 1999, 62, 25.		1
45	Rh50 Glycoprotein Gene and Rhnnull Disease: A Silent Splice Donor Is trans to a Gly279→Glu Missense Mutation in the Conserved Transmembrane Segment. <i>Blood</i> , 1998, 92, 1776-1784.	0.6	1
46	VASCULAR PEROXIDE 1 IS INVOLVED IN VASCULAR REMODELLING IN SPONTANEOUSLY HYPERTENSIVE RATS VIA MATRIX METALLOPROTEINASE-2 ACTIVATION. <i>Heart</i> , 2012, 98, E67.1-E67.	1.2	0
47	THE ROLE OF VASCULAR PEROXIDE 1 IN SPONTANEOUSLY HYPERTENSIVE RAT LEFT VENTRICULAR REMODELLING. <i>Heart</i> , 2012, 98, E66.1-E66.	1.2	0