

MiklÅ³s Geiszt

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,298
citations

136950

32
h-index

149698

56
g-index

62
all docs

62
docs citations

62
times ranked

5684
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual oxidases represent novel hydrogen peroxide sources supporting mucosal surface host defense. <i>FASEB Journal</i> , 2003, 17, 1-14.	0.5	431
2	The Nox Family of NAD(P)H Oxidases: Host Defense and Beyond. <i>Journal of Biological Chemistry</i> , 2004, 279, 51715-51718.	3.4	394
3	Proteins Homologous to p47 and p67 Support Superoxide Production by NAD(P)H Oxidase 1 in Colon Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 20006-20012.	3.4	258
4	Redox Nanodomains Are Induced by and Control Calcium Signaling at the ER-Mitochondrial Interface. <i>Molecular Cell</i> , 2016, 63, 240-248.	9.7	228
5	Role of Nox Family NADPH Oxidases in Host Defense. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1549-1561.	5.4	215
6	Involvement of Rac1 in Activation of Multicomponent Nox1- and Nox3-Based NADPH Oxidases. <i>Molecular and Cellular Biology</i> , 2006, 26, 2160-2174.	2.3	211
7	NAD(P)H Oxidase 1, a Product of Differentiated Colon Epithelial Cells, Can Partially Replace Glycoprotein 91<i>phox</i> in the Regulated Production of Superoxide by Phagocytes. <i>Journal of Immunology</i> , 2003, 171, 299-306.	0.8	189
8	NADPH oxidases: New kids on the block. <i>Cardiovascular Research</i> , 2006, 71, 289-299.	3.8	188
9	Characterization of Type II Phosphatidylinositol 4-Kinase Isoforms Reveals Association of the Enzymes with Endosomal Vesicular Compartments. <i>Journal of Biological Chemistry</i> , 2002, 277, 20041-20050.	3.4	186
10	NOX5 in Human Spermatozoa. <i>Journal of Biological Chemistry</i> , 2012, 287, 9376-9388.	3.4	135
11	Redox State of the Endoplasmic Reticulum Is Controlled by <i>Ero</i>1L-alpha and Intraluminal Calcium. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 721-729.	5.4	123
12	Airway epithelial dual oxidase 1 mediates allergen-induced IL-33 secretion and activation of type 2 immune responses. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1545-1556.e11.	2.9	117
13	Regulation of Capacitative Ca ²⁺ Influx in Human Neutrophil Granulocytes. <i>Journal of Biological Chemistry</i> , 1997, 272, 26471-26478.	3.4	108
14	Nox/Duox Family of NADPH Oxidases: Lessons from Knockout Mouse Models. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 318-327.	8.7	106
15	Peroxidasin Is Secreted and Incorporated into the Extracellular Matrix of Myofibroblasts and Fibrotic Kidney. <i>American Journal of Pathology</i> , 2009, 175, 725-735.	3.8	99
16	Evidence for ADP-Ribosylation-Factor-Mediated Activation of Phospholipase D by m3 Muscarinic Acetylcholine Receptor. <i>FEBS Journal</i> , 1995, 234, 240-244.	0.2	88
17	Urothelial cells produce hydrogen peroxide through the activation of Duox1. <i>Free Radical Biology and Medicine</i> , 2010, 49, 2040-2048.	2.9	78
18	Novel sources of reactive oxygen species in the human body. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 1281-1288.	0.7	75

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19	Role of Prenylation in the Interaction of Rho-Family Small GTPases with GTPase Activating Proteins. <i>Biochemistry</i> , 2001, 40, 10542-10549.	2.5	65
20	Sec14 Homology Domain Targets p50RhoGAP to Endosomes and Provides a Link between Rab and Rho GTPases. <i>Journal of Biological Chemistry</i> , 2006, 281, 6096-6105.	3.4	58
21	DUOX1 mediates persistent epithelial EGFR activation, mucous cell metaplasia, and airway remodeling during allergic asthma. <i>JCI Insight</i> , 2016, 1, e88811.	5.0	58
22	Spatial and Temporal Analysis of NADPH Oxidase-Generated Hydrogen Peroxide Signals by Novel Fluorescent Reporter Proteins. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 523-534.	5.4	57
23	Small-Molecule Inhibitors of NADPH Oxidase 4. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6758-6762.	6.4	52
24	Molecular and Functional Characterization of Hv1 Proton Channel in Human Granulocytes. <i>PLoS ONE</i> , 2010, 5, e14081.	2.5	51
25	ARHGAP25, a novel Rac GTPase-activating protein, regulates phagocytosis in human neutrophilic granulocytes. <i>Blood</i> , 2012, 119, 573-582.	1.4	47
26	Differential effects of tyrosine kinase inhibitors and an inhibitor of the mitogen-activated protein kinase cascade on degranulation and superoxide production of human neutrophil granulocytes. <i>Biochemical Pharmacology</i> , 1997, 54, 781-789.	4.4	46
27	NLRP3 inflammasome activation and interleukin-1 β release in macrophages require calcium but are independent of calcium-activated NADPH oxidases. <i>Inflammation Research</i> , 2014, 63, 821-830.	4.0	43
28	Analysis of mRNA Transcripts from the NAD(P)H Oxidase 1 (Nox1) Gene. <i>Journal of Biological Chemistry</i> , 2004, 279, 51661-51668.	3.4	39
29	Structure-function analysis of peroxidasin provides insight into the mechanism of collagen IV crosslinking. <i>Free Radical Biology and Medicine</i> , 2015, 83, 273-282.	2.9	39
30	Peroxidasins: novel players in tissue genesis. <i>Trends in Biochemical Sciences</i> , 2014, 39, 305-307.	7.5	38
31	Complement MASP-1 enhances adhesion between endothelial cells and neutrophils by up-regulating E-selectin expression. <i>Molecular Immunology</i> , 2016, 75, 38-47.	2.2	35
32	The Homolog of the Five SH3-Domain Protein (HOF1/SH3PXD2B) Regulates Lamellipodia Formation and Cell Spreading. <i>PLoS ONE</i> , 2011, 6, e23653.	2.5	35
33	The Extracellular A-loop of Dual Oxidases Affects the Specificity of Reactive Oxygen Species Release. <i>Journal of Biological Chemistry</i> , 2015, 290, 6495-6506.	3.4	34
34	Frank-ter Haar Syndrome Protein Tks4 Regulates Epidermal Growth Factor-dependent Cell Migration. <i>Journal of Biological Chemistry</i> , 2012, 287, 31321-31329.	3.4	28
35	Interaction between p22phox and Nox4 in the endoplasmic reticulum suggests a unique mechanism of NADPH oxidase complex formation. <i>Free Radical Biology and Medicine</i> , 2018, 116, 41-49.	2.9	28
36	Identification of DUOX1-dependent redox signaling through protein S-glutathionylation in airway epithelial cells. <i>Redox Biology</i> , 2014, 2, 436-446.	9.0	26

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37	Reactive oxygen species-mediated bacterial killing by B lymphocytes. <i>Journal of Leukocyte Biology</i> , 2015, 97, 1133-1137.	3.3	26
38	Epidermal growth factor-induced hydrogen peroxide production is mediated by dual oxidase 1. <i>Free Radical Biology and Medicine</i> , 2016, 97, 204-211.	2.9	25
39	Peroxidasin-like protein: a novel peroxidase homologue in the human heart. <i>Cardiovascular Research</i> , 2014, 101, 393-399.	3.8	23
40	Composition of the redox environment of the endoplasmic reticulum and sources of hydrogen peroxide. <i>Free Radical Biology and Medicine</i> , 2015, 83, 331-340.	2.9	23
41	NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. <i>Nature Metabolism</i> , 2020, 2, 532-546.	11.9	23
42	Hypothyroidism-associated missense mutation impairs NADPH oxidase activity and intracellular trafficking of Duox2. <i>Free Radical Biology and Medicine</i> , 2014, 73, 190-200.	2.9	19
43	Peroxidasin-mediated crosslinking of collagen IV is independent of NADPH oxidases. <i>Redox Biology</i> , 2018, 16, 314-321.	9.0	18
44	The Relationship of NADPH Oxidases and Heme Peroxidases: Fallin' in and Out. <i>Frontiers in Immunology</i> , 2019, 10, 394.	4.8	18
45	Contribution of phospholipase D and a brefeldin A-sensitive ARF to chemoattractant-induced superoxide production and secretion of human neutrophils. <i>Journal of Leukocyte Biology</i> , 2002, 71, 695-700.	3.3	18
46	In vitro Activation of the NADPH Oxidase by Fluoride. Possible Involvement of a Factor Activating GTP Hydrolysis on Rac (Rac-GAP). <i>FEBS Journal</i> , 1996, 239, 369-375.	0.2	17
47	EGF regulates tyrosine phosphorylation and membrane-translocation of the scaffold protein Tks5. <i>Journal of Molecular Signaling</i> , 2013, 8, 8.	0.5	16
48	Disruption of the NOX5 Gene Aggravates Atherosclerosis in Rabbits. <i>Circulation Research</i> , 2021, 128, 1320-1322.	4.5	15
49	Role of different Ca ²⁺ sources in the superoxide production of human neutrophil granulocytes. <i>Free Radical Biology and Medicine</i> , 1999, 26, 1092-1099.	2.9	14
50	Ca ²⁺ mobilization-dependent reduction of the endoplasmic reticulum lumen is due to influx of cytosolic glutathione. <i>BMC Biology</i> , 2020, 18, 19.	3.8	14
51	Characterization of the Proprotein Convertase-Mediated Processing of Peroxidasin and Peroxidasin-like Protein. <i>Antioxidants</i> , 2021, 10, 1565.	5.1	6
52	Detection of hydrogen peroxide by lactoperoxidase-mediated dityrosine formation. <i>Free Radical Research</i> , 2009, 43, 440-445.	3.3	4
53	Enhanced endothelial motility and multicellular sprouting is mediated by the scaffold protein TKS4. <i>Scientific Reports</i> , 2019, 9, 14363.	3.3	4
54	Chapter 20 Participation of small GTP-binding proteins in m3 muscarinic acetylcholine receptor signalling to phospholipase D and C. <i>Progress in Brain Research</i> , 1996, 109, 209-216.	1.4	3

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55	Characterization of the Intramolecular Interactions and Regulatory Mechanisms of the Scaffold Protein Tks4. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8103.	4.1	2
56	Measuring peroxidase activity in live cells using bromide addition for signal amplification. <i>Redox Biology</i> , 2022, 54, 102385.	9.0	2
57	Dynamic Measurement of Ca ²⁺ -Induced Changes in Organelle-Specific Redox Microdomains. <i>Biophysical Journal</i> , 2013, 104, 216a.	0.5	0
58	Calcium-Induced Redox Microdomains at the ER-Mitochondrial Interface. <i>Biophysical Journal</i> , 2014, 106, 114a.	0.5	0
59	The Creation of a Multiallele Knockout Genotype in Rabbit Using CRISPR/Cas9 and Its Application in Translational Medicine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8508.	2.5	0
60	Imaging Intracellular H ₂ O ₂ with the Genetically Encoded PerFRET and OxyFRET Probes. <i>Methods in Molecular Biology</i> , 2019, 1982, 275-282.	0.9	0