

Botond Banfi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2046980/publications.pdf>

Version: 2024-02-01

47
papers

6,870
citations

94269

37
h-index

223531

46
g-index

47
all docs

47
docs citations

47
times ranked

7757
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced airway surface pH impairs bacterial killing in the porcine cystic fibrosis lung. <i>Nature</i> , 2012, 487, 109-113.	13.7	691
2	NOX4 activity is determined by mRNA levels and reveals a unique pattern of ROS generation. <i>Biochemical Journal</i> , 2007, 406, 105-114.	1.7	553
3	A Ca ²⁺ -activated NADPH Oxidase in Testis, Spleen, and Lymph Nodes. <i>Journal of Biological Chemistry</i> , 2001, 276, 37594-37601.	1.6	526
4	Two Novel Proteins Activate Superoxide Generation by the NADPH Oxidase NOX1. <i>Journal of Biological Chemistry</i> , 2003, 278, 3510-3513.	1.6	430
5	NOX3, a Superoxide-generating NADPH Oxidase of the Inner Ear. <i>Journal of Biological Chemistry</i> , 2004, 279, 46065-46072.	1.6	377
6	Mechanism of Ca ²⁺ Activation of the NADPH Oxidase 5 (NOX5). <i>Journal of Biological Chemistry</i> , 2004, 279, 18583-18591.	1.6	333
7	Decreased blood pressure in NOX1-deficient mice. <i>FEBS Letters</i> , 2006, 580, 497-504.	1.3	273
8	A Novel Host Defense System of Airways Is Defective in Cystic Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 174-183.	2.5	260
9	The NADPH Oxidase NOX4 Drives Cardiac Differentiation: Role in Regulating Cardiac Transcription Factors and MAP Kinase Activation. <i>Molecular Biology of the Cell</i> , 2006, 17, 3978-3988.	0.9	254
10	A Key Role for NOX4 in Epithelial Cell Death During Development of Lung Fibrosis. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 607-619.	2.5	249
11	NOX5 variants are functionally active in endothelial cells. <i>Free Radical Biology and Medicine</i> , 2007, 42, 446-459.	1.3	223
12	Nox2 and Rac1 Regulate H ₂ O ₂ -Dependent Recruitment of TRAF6 to Endosomal Interleukin-1 Receptor Complexes. <i>Molecular and Cellular Biology</i> , 2006, 26, 140-154.	1.1	213
13	Mechanisms of Vascular Smooth Muscle NADPH Oxidase 1 (Nox1) Contribution to Injury-Induced Neointimal Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 480-487.	1.1	211
14	Novel Mechanism of Activation of NADPH Oxidase 5. <i>Journal of Biological Chemistry</i> , 2007, 282, 6494-6507.	1.6	186
15	Electron currents generated by the human phagocyte NADPH oxidase. <i>Nature</i> , 1998, 392, 734-737.	13.7	184
16	NADPH Oxidases Are Essential for Macrophage Differentiation. <i>Journal of Biological Chemistry</i> , 2016, 291, 20030-20041.	1.6	135
17	Role for Nox1 NADPH oxidase in atherosclerosis. <i>Atherosclerosis</i> , 2011, 216, 321-326.	0.4	124
18	A Novel H ⁺ Conductance in Eosinophils. <i>Journal of Experimental Medicine</i> , 1999, 190, 183-194.	4.2	122

#	ARTICLE	IF	CITATIONS
19	A Claudin-9-Based Ion Permeability Barrier Is Essential for Hearing. <i>PLoS Genetics</i> , 2009, 5, e1000610.	1.5	102
20	Inactivation of NADPH oxidase organizer 1 Results in Severe Imbalance. <i>Current Biology</i> , 2006, 16, 208-213.	1.8	98
21	HaCaT Keratinocytes Overexpressing the S100 Proteins S100A8 and S100A9 Show Increased NADPH Oxidase and NF- κ B Activities. <i>Journal of Investigative Dermatology</i> , 2007, 127, 2001-2011.	0.3	98
22	Mutation of the Cyba gene encoding p22phox causes vestibular and immune defects in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 1176-85.	3.9	94
23	Paradoxical Activation of Endothelial Nitric Oxide Synthase by NADPH Oxidase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1627-1633.	1.1	93
24	Control of Hepatic Nuclear Superoxide Production by Glucose 6-Phosphate Dehydrogenase and NADPH Oxidase-4. <i>Journal of Biological Chemistry</i> , 2011, 286, 8977-8987.	1.6	87
25	A Mutation in the Srm4 Gene Causes Alternative Splicing Defects and Deafness in the Bronx Waltzer Mouse. <i>PLoS Genetics</i> , 2012, 8, e1002966.	1.5	77
26	Role of Nox isoforms in angiotensin II-induced oxidative stress and endothelial dysfunction in brain. <i>Journal of Applied Physiology</i> , 2012, 113, 184-191.	1.2	74
27	Critical roles for p22phox in the structural maturation and subcellular targeting of Nox3. <i>Biochemical Journal</i> , 2007, 403, 97-108.	1.7	72
28	Enhancement of Respiratory Mucosal Antiviral Defenses by the Oxidation of Iodide. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 874-881.	1.4	71
29	Concentration of the antibacterial precursor thiocyanate in cystic fibrosis airway secretions. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1144-1150.	1.3	64
30	Nox1 transactivation of epidermal growth factor receptor promotes N-cadherin shedding and smooth muscle cell migration. <i>Cardiovascular Research</i> , 2012, 93, 406-413.	1.8	63
31	Defects in the Alternative Splicing-Dependent Regulation of REST Cause Deafness. <i>Cell</i> , 2018, 174, 536-548.e21.	13.5	60
32	Heme Histidine Ligands within gp91 Modulate Proton Conduction by the Phagocyte NADPH Oxidase. <i>Journal of Biological Chemistry</i> , 2001, 276, 30277-30284.	1.6	55
33	Endosomal NADPH oxidase regulates c-Src activation following hypoxia/reoxygenation injury. <i>Biochemical Journal</i> , 2008, 411, 531-541.	1.7	55
34	Conserved Cysteine Residues Provide a Protein-Protein Interaction Surface in Dual Oxidase (DUOX) Proteins. <i>Journal of Biological Chemistry</i> , 2013, 288, 7147-7157.	1.6	50
35	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.	2.0	46
36	Activation of NADPH Oxidase 1 Increases Intracellular Calcium and Migration of Smooth Muscle Cells. <i>Hypertension</i> , 2011, 58, 446-453.	1.3	45

#	ARTICLE	IF	CITATIONS
37	Hepatocytes produce TNF- α following hypoxia-reoxygenation and liver ischemia-reperfusion in a NADPH oxidase- and c-Src-dependent manner. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G84-G94.	1.6	40
38	Increased Concentration of Iodide in Airway Secretions Is Associated with Reduced Respiratory Syncytial Virus Disease Severity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 389-397.	1.4	39
39	Regulation of NOX1 expression by GATA, HNF-1 α , and Cdx transcription factors. <i>Free Radical Biology and Medicine</i> , 2008, 44, 430-443.	1.3	31
40	Overlapping Activities of Two Neuronal Splicing Factors Switch the GABA Effect from Excitatory to Inhibitory by Regulating REST. <i>Cell Reports</i> , 2019, 27, 860-871.e8.	2.9	28
41	A Mutation in the Mouse Ttc26 Gene Leads to Impaired Hedgehog Signaling. <i>PLoS Genetics</i> , 2014, 10, e1004689.	1.5	26
42	The phenotypic landscape of a Tbc1d24 mutant mouse includes convulsive seizures resembling human early infantile epileptic encephalopathy. <i>Human Molecular Genetics</i> , 2019, 28, 1530-1547.	1.4	20
43	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
44	Inhibition of a transcriptional repressor rescues hearing in a splicing factor- α deficient mouse. <i>Life Science Alliance</i> , 2020, 3, e202000841.	1.3	13
45	A Novel Host Defense System of Airways Is Defective in Cystic Fibrosis: Update. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 967-967.	2.5	5
46	Variants of human <i>CLDN9</i> cause mild to profound hearing loss. <i>Human Mutation</i> , 2021, 42, 1321-1335.	1.1	5
47	Redox-Dependent Hepatocyte TNF- α Secretion Following Reoxygenation Injury. <i>FASEB Journal</i> , 2013, 27, 682.12.	0.2	0