

CITATION REPORT

List of articles citing

NOX Activation by Subunit Interaction and Underlying Mechanisms in Disease

DOI: 10.3389/fncel.2016.00301

Frontiers in Cellular Neuroscience, 2016, 10, 301.

Source: <https://exaly.com/paper-pdf/68398343/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
153	LC3-Associated Phagocytosis and Inflammation. 2017 , 429, 3561-3576		135
152	CoQ10 Augments Rosuvastatin Neuroprotective Effect in a Model of Global Ischemia Inhibition of NF- κ B/JNK3/Bax and Activation of Akt/FOXO3A/Bim Cues. <i>Frontiers in Pharmacology</i> , 2017 , 8, 735	5.6	15
151	Advanced oxidation protein products induce pre-osteoblast apoptosis through a nicotinamide adenine dinucleotide phosphate oxidase-dependent, mitogen-activated protein kinases-mediated intrinsic apoptosis pathway. 2018 , 17, e12764		22
150	Mitigating the Impact of Antibacterial Drug Resistance through Host-Directed Therapies: Current Progress, Outlook, and Challenges. 2018 , 9,		37
149	(-)-Epicatechin and its metabolites prevent palmitate-induced NADPH oxidase upregulation, oxidative stress and insulin resistance in HepG2 cells. 2018 , 646, 55-63		15
148	Apocynin prevents isoproterenol-induced cardiac hypertrophy in rat. 2018 , 445, 79-88		23
147	CML/CD36 accelerates atherosclerotic progression via inhibiting foam cell migration. 2018 , 97, 1020-1031		14
146	Activation of Nrf2 signaling by natural products-can it alleviate diabetes?. 2018 , 36, 1738-1767		103
145	The use of antioxidant compounds in the treatment of first psychotic episode: Highlights from preclinical studies. 2018 , 24, 465-472		7
144	Omega-3 fatty acid supplement reduces activation of NADPH oxidase in intracranial atherosclerosis stenosis. 2018 , 40, 499-507		10
143	The Role of NADPH Oxidases and Oxidative Stress in Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	147
142	Anti-Fibrotic Therapies from Other Organs: What the Gut Can Learn from the Liver, Skin, Lung and Heart. 2018 , 347-385		
141	Chemical Tools for Targeted Amplification of Reactive Oxygen Species in Neutrophils. 2018 , 9, 1827		17
140	Elevated Oxidative Stress and Inflammation in Hypothalamic Paraventricular Nucleus Are Associated With Sympathetic Excitation and Hypertension in Rats Exposed to Chronic Intermittent Hypoxia. 2018 , 9, 840		21
139	Simvastatin Inhibits Activation of NADPH Oxidase/p38 MAPK Pathway and Enhances Expression of Antioxidant Protein in Parkinson Disease Models. 2018 , 11, 165		34
138	Glycine Transporter-1 and glycine receptor mediate the antioxidant effect of glycine in diabetic rat islets and INS-1 cells. 2018 , 123, 53-61		15
137	Mediators of Inflammation. 2018 , 3-32		2

136	Vitamin D receptor activation regulates microglia polarization and oxidative stress in spontaneously hypertensive rats and angiotensin II-exposed microglial cells: Role of renin-angiotensin system. 2019 , 26, 101295		89
135	Mitochondria-Targeted Drugs. 2019 , 12, 202-214		56
134	New therapeutic targets for the prevention of infectious acute exacerbations of COPD: role of epithelial adhesion molecules and inflammatory pathways. 2019 , 133, 1663-1703		20
133	Putative Nox2 inhibitors worsen homocysteine-induced impaired acetylcholine-mediated relaxation. 2019 , 29, 856-864		4
132	Reactive Oxygen Species in Osteoclast Differentiation and Possible Pharmaceutical Targets of ROS-Mediated Osteoclast Diseases. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	103
131	The interrelationship between cerebral ischemic stroke and glioma: a comprehensive study of recent reports. 2019 , 4, 42		20
130	Microglia morphology and proinflammatory signaling in the nucleus accumbens during nicotine withdrawal. 2019 , 5, eaax7031		30
129	Reactive Oxygen Species (ROS), Intimal Thickening, and Subclinical Atherosclerotic Disease. 2019 , 6, 89		40
128	ROS Generation and Antioxidant Defense Systems in Normal and Malignant Cells. 2019 , 2019, 6175804		265
127	NADPH oxidase is the major source of placental superoxide in early pregnancy: association with MAPK pathway activation. 2019 , 9, 13962		9
126	Interplay between BMPs and Reactive Oxygen Species in Cell Signaling and Pathology. <i>Biomolecules</i> , 2019 , 9,	5.9	19
125	Inhibition of xanthine oxidoreductase protects against contrast-induced renal tubular injury by activating adenosine monophosphate-activated protein kinase. 2019 , 145, 209-220		9
124	Role of Gender in Regulation of Redox Homeostasis in Pulmonary Arterial Hypertension. <i>Antioxidants</i> , 2019 , 8,	7.1	8
123	Brain oxidative damage in murine models of neonatal hypoxia/ischemia and reoxygenation. 2019 , 142, 3-15		23
122	Oxidative stress and Parkinson's disease: conflict of oxidant-antioxidant systems. 2019 , 709, 134296		40
121	A homologue of the fungal tetraspanin Pls1 is required for <i>Epichloa festucae</i> expressorium formation and establishment of a mutualistic interaction with <i>Lolium perenne</i> . 2019 , 20, 961-975		4
120	NADPH oxidase 2 inhibitors CPP11G and CPP11H attenuate endothelial cell inflammation & vessel dysfunction and restore mouse hind-limb flow. 2019 , 22, 101143		22
119	Redox- and bio-activity of apocynin (acetovanillone) in tobacco, a plant phenolic that alleviates symptoms of autoimmune diseases in animals. 2019 , 106, 145-156		3

118	NADPH Oxidase Mediates Membrane Androgen Receptor-Induced Neurodegeneration. 2019 , 160, 947-963	9
117	A thermodynamically-constrained mathematical model for the kinetics and regulation of NADPH oxidase 2 complex-mediated electron transfer and superoxide production. 2019 , 134, 581-597	10
116	Thioredoxin-Interacting Protein Promotes Phagosomal Acidification Upon Exposure to Through Inflammasome-Mediated Caspase-1 Activation in Macrophages. 2019 , 10, 2636	3
115	VAS2870 and VAS3947 attenuate platelet activation and thrombus formation via a NOX-independent pathway downstream of PKC. 2019 , 9, 18852	10
114	Vascular Biology of Superoxide-Generating NADPH Oxidase 5-Implications in Hypertension and Cardiovascular Disease. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 1027-1040	8.4 42
113	Thick Ascending Limb Sodium Transport in the Pathogenesis of Hypertension. 2019 , 99, 235-309	16
112	Targeting ferroptosis in rhabdomyosarcoma cells. 2020 , 146, 510-520	20
111	Renoprotective Effects of Alpha Lipoic Acid on Iron Overload-Induced Kidney Injury in Rats by Suppressing NADPH Oxidase 4 and p38 MAPK Signaling. 2020 , 193, 483-493	12
110	Ischemic stroke and mitochondria: mechanisms and targets. 2020 , 257, 335-343	34
109	Activation leads to a significant shift in the intracellular redox homeostasis of neutrophil-like cells. 2020 , 28, 101344	8
108	New opportunities for targeting redox dysregulation in cardiovascular disease. 2020 , 116, 532-544	16
107	Salusin- η mediates tubular cell apoptosis in acute kidney injury: Involvement of the PKC/ROS signaling pathway. 2020 , 30, 101411	20
106	Redox-regulated brain development. 2020 , 565-582	1
105	The Role of Exosomal microRNAs and Oxidative Stress in Neurodegenerative Diseases. 2020 , 2020, 3232869	19
104	Innate-adaptive immunity interplay and redox regulation in immune response. 2020 , 37, 101759	35
103	NADPH oxidases and the evolution of plant salinity tolerance. 2020 , 43, 2957-2968	19
102	NRF2 level is negatively correlated with TGF- β -induced lung cancer motility and migration via NOX4-ROS signaling. 2020 , 43, 1297-1310	11
101	p47 deficiency improves cognitive impairment and attenuates tau hyperphosphorylation in mouse models of AD. 2020 , 12, 146	4

100	Oxidative Stress in Cytokine-Induced Dysfunction of the Pancreatic Beta Cell: Known Knowns and Known Unknowns. 2020 , 10,		3
99	Reactive Oxygen Species: Drivers of Physiological and Pathological Processes. 2020 , 13, 1057-1073		93
98	Microglia: Agents of the CNS Pro-Inflammatory Response. 2020 , 9,		71
97	Temporal Alterations in Mitochondrial Oxidation and Oxidative Stress Aggravate Chronic Kidney Disease Development in 5/6 Nephrectomy Induced Renal Damage. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
96	NOX2-Derived Reactive Oxygen Species in Cancer. 2020 , 2020, 7095902		6
95	The Molecular Mechanisms of Action of Photobiomodulation Against Neurodegenerative Diseases: A Systematic Review. 2020 , 1		10
94	Oxidative Stress in Alzheimer's Disease: Therapeutic Effect of Amniotic Fluid Stem Cells Extracellular Vesicles. 2020 , 2020, 2785343		7
93	In Vivo Imaging with Genetically Encoded Redox Biosensors. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	14
92	Mechanisms involved in the unbalanced redox homeostasis in osteoblastic cellular model of Alkaptonuria. 2020 , 690, 108416		3
91	Wenxin Granule Ameliorates Hypoxia/Reoxygenation-Induced Oxidative Stress in Mitochondria via the PKC-/NOX2/ROS Pathway in H9c2 Cells. 2020 , 2020, 3245483		10
90	Rottlerin, a natural polyphenol compound, inhibits upregulation of matrix metalloproteinase-9 and brain astrocytic migration by reducing PKC-Dependent ROS signal. 2020 , 17, 177		7
89	Pregnancy-associated venous insufficiency course with placental and systemic oxidative stress. 2020 , 24, 4157-4170		14
88	Sensing Peroxynitrite in Different Organelles of Murine RAW264.7 Macrophages With Coumarin-Based Fluorescent Probes. 2020 , 8, 39		6
87	Cyclical amyloid beta-astrocyte activity induces oxidative stress in Alzheimer's disease. 2020 , 171-172, 38-42		4
86	Decorin inhibits glucose-induced lens epithelial cell apoptosis via suppressing p22phox-p38 MAPK signaling pathway. 2020 , 15, e0224251		7
85	Sorting nexin 1 loss results in increased oxidative stress and hypertension. 2020 , 34, 7941-7957		5
84	CYBB/NOX2 in conventional DCs controls T cell encephalitogenicity during neuroinflammation. 2021 , 17, 1244-1258		17
83	Overview on Interactive Role of Inflammation, Reactive Oxygen Species, and Calcium Signaling in Asthma, COPD, and Pulmonary Hypertension. 2021 , 1304, 147-164		3

82	Small Molecule Regulators of Ferroptosis. 2021 , 1301, 81-121		1
81	Involvement of Oxidative Stress and the Innate Immune System in SARS-CoV-2 Infection. 2021 , 9,		11
80	Ranolazine alleviates contrast-associated acute kidney injury through modulation of calcium independent oxidative stress and apoptosis. 2021 , 267, 118920		2
79	Implication of Nicotinamide Adenine Dinucleotide Phosphate (NADPH) Oxidase and Its Inhibitors in Alzheimer's Disease Murine Models. <i>Antioxidants</i> , 2021 , 10,	7.1	6
78	Dynamic Function and Composition Shift in Circulating Innate Immune Cells in Hibernating Garden Dormice. 2021 , 12, 620614		0
77	Inhibition of NOX1 Mitigates Blood Pressure Increases in Elastin Insufficiency. 2021 , 2, zqab015		4
76	Sexually dimorphic neuroimmune response to chronic opioid treatment and withdrawal. 2021 , 186, 108469		3
75	Protective mechanisms of Taiwanese green propolis toward high glucose-induced inflammation via NLRP3 inflammasome signaling pathway in human gingival fibroblasts. 2021 , 56, 804-818		2
74	Re-Evaluating the Oxidative Phenotype: Can Endurance Exercise Save the Western World?. <i>Antioxidants</i> , 2021 , 10,	7.1	3
73	-methyl-d-aspartate receptor hyperfunction contributes to d-serine-mediated renal insufficiency. 2021 , 320, F799-F813		2
72	Oxy-hydrogen Gas: The Rationale Behind Its Use as a Novel and Sustainable Treatment for COVID-19 and Other Respiratory Diseases.		4
71	Thiol Isomerases Orchestrate Thrombosis and Hemostasis. <i>Antioxidants and Redox Signaling</i> , 2021 , 35, 1116-1133	8.4	2
70	Dietary patterns and biomarkers of oxidative stress and inflammation: A systematic review of observational and intervention studies. 2021 , 42, 101869		27
69	Emerging Roles of Small GTPases in Islet β Cell Function. 2021 , 10,		4
68	NADPH Oxidases in the Central Nervous System: Regional and Cellular Localization and the Possible Link to Brain Diseases. <i>Antioxidants and Redox Signaling</i> , 2021 , 35, 951-973	8.4	2
67	Multifactorial Etiology of Adolescent Nicotine Addiction: A Review of the Neurobiology of Nicotine Addiction and Its Implications for Smoking Cessation Pharmacotherapy. 2021 , 9, 664748		4
66	In silico development of new candidate of NADPH oxidase inhibitor for hypertension treatment. 2021 , 819, 012071		1
65	Oxidative stress in vascular calcification. 2021 , 519, 101-110		5

64	Cannabidiol modulation of oxidative stress and signalling. 2021 , 5, NS20200080		5
63	The Promoting Effect of Traumatic Brain Injury on the Incidence and Progression of Glioma: A Review of Clinical and Experimental Research. 2021 , 14, 3707-3720		2
62	Initiates brain hypometabolism, network dysfunction and behavioral abnormalities via NOX2-induced oxidative stress in mice. 2021 , 4, 1054		5
61	The medicinal chemistry of mitochondrial dysfunction: a critical overview of efforts to modulate mitochondrial health. 2021 , 12, 1281-1311		1
60	NADPH oxidase: A membrane-bound enzyme and its inhibitors in diabetic complications. 2020 , 881, 173206		17
59	Skeletal muscle redox signaling in rheumatoid arthritis. 2020 , 134, 2835-2850		5
58	Alcohol promotes renal fibrosis by activating Nox2/4-mediated DNA methylation of Smad7. 2020 , 134, 103-122		10
57	Initiates brain hypometabolism and network dysfunction via NOX2 activation: a potential onset mechanism of Alzheimer's disease.		4
56	Glucose-Sparing Action of Ketones Boosts Functions Exclusive to Glucose in the Brain. 2020 , 7,		4
55	A current view of G protein-coupled receptor - mediated signaling in pulmonary hypertension: finding opportunities for therapeutic intervention. 2018 , 2,		15
54	Nicotinamide adenine dinucleotide phosphate oxidase activation and neuronal death after ischemic stroke. 2019 , 14, 948-953		9
53	Free radical biology in neurological manifestations: mechanisms to therapeutics interventions. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
52	Redox Homeostasis and Regulation in Pluripotent Stem Cells: Uniqueness or Versatility?. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	0
51	Astaxanthin induces NADPH oxidase activation and receptor-interacting protein kinase 1-mediated necroptosis in gastric cancer AGS cells. <i>Molecular Medicine Reports</i> , 2021 , 24,	2.9	2
50	Nutraceutical Aid for Allergies - Strategies for Down-Regulating Mast Cell Degranulation. <i>Journal of Asthma and Allergy</i> , 2021 , 14, 1257-1266	3.1	0
49	Mutations in the Drosophila splicing regulator Prp31 as a model for Retinitis pigmentosa 11.		
48	New Technologies in Drug Development Provide New Hope in Targeting of Dysregulated Redox Signalling in Cardiovascular Disease. 2019 , 505-532		
47	El papel de las especies reactivas de oxígeno y nitrógeno en algunas enfermedades neurodegenerativas. <i>Revista De La Facultad De Medicina, Universidad Nacional Autonoma De Mexico</i> , 2019 , 62, 6-19	0.1	0

46	Decorin inhibits glucose-induced lens epithelial cell apoptosis via suppressing p22phox-p38 MAPK signaling pathway.		
45	Navigating Calcium and Reactive Oxygen Species by Natural Flavones for the Treatment of Heart Failure. <i>Frontiers in Pharmacology</i> , 2021 , 12, 718496	5.6	1
44	Oxidative stress as a critical factor might involve in intervertebral disc degeneration via regulating NOXs/FOXOs. <i>Journal of Orthopaedic Science</i> , 2021 ,	1.6	1
43	Host-Microbial Relationship: Immune Response to Microbial Infections with or without Medication.		
42	Nox, Nox, Are You There? The Role of NADPH Oxidases in the Peripheral Nervous System. <i>Antioxidants and Redox Signaling</i> , 2021 ,	8.4	2
41	The Programmed Cell Death of Macrophages, Endothelial Cells, and Tubular Epithelial Cells in Sepsis-AKI.. <i>Frontiers in Medicine</i> , 2021 , 8, 796724	4.9	2
40	Acute Myeloid Leukemia-Related Proteins Modified by Ubiquitin and Ubiquitin-like Proteins.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	
39	Hydroxysafflor Yellow A Blocks HIF-1 Induction of NOX2 and Protects ZO-1 Protein in Cerebral Microvascular Endothelium.. <i>Antioxidants</i> , 2022 , 11,	7.1	1
38	Amelioration of endothelial dysfunction by sodium glucose co-transporter 2 inhibitors: pieces of the puzzle explaining their cardiovascular protection.. <i>British Journal of Pharmacology</i> , 2022 ,	8.6	2
37	Selective phosphorylation of serine 345 on p47-phox serves as a priming signal of ROS-mediated axonal degeneration.. <i>Experimental Neurology</i> , 2022 , 114024	5.7	0
36	Data_Sheet_1.docx. 2020 ,		
35	Data_Sheet_1.pdf. 2019 ,		
34	Video_1.AVI. 2019 ,		
33	Dehydroepiandrosterone, Cancer, and Aging.. 2022 , 13, 423-432		0
32	Opioid Antagonist Nanodrugs Successfully Attenuate the Severity of Ischemic Stroke.. <i>Molecular Pharmaceutics</i> , 2022 ,	5.6	
31	Targeting NOX2 via p47/phox-p22/phox Inhibition with Novel Triproline Mimetics. <i>ACS Medicinal Chemistry Letters</i> ,	4.3	0
30	NADPH oxidase family proteins: signaling dynamics to disease management.. 2022 ,		5
29	Prostate cancer addiction to oxidative stress defines sensitivity to anti-tumor neutrophils. <i>Clinical and Experimental Metastasis</i> ,	4.7	0

28	Osteomyelitis, Oxidative Stress and Related Biomarkers. <i>Antioxidants</i> , 2022 , 11, 1061	7.1	3
27	Ultrafine Diesel Exhaust Particles Induce Apoptosis of Oligodendrocytes by Increasing Intracellular Reactive Oxygen Species through NADPH Oxidase Activation. <i>Antioxidants</i> , 2022 , 11, 1031	7.1	
26	Neuroprotective Effects of Pharmacological Hypothermia on Hyperglycolysis and Gluconeogenesis in Rats after Ischemic Stroke. <i>Biomolecules</i> , 2022 , 12, 851	5.9	0
25	Self-Sustained Regulation or Self-Perpetuating Dysregulation: ROS-dependent HIF-YAP-Notch Signaling as a Double-Edged Sword on Stem Cell Physiology and Tumorigenesis. <i>Frontiers in Cell and Developmental Biology</i> , 10,	5.7	0
24	Impact of Zinc on Oxidative Signaling Pathways in the Development of Pulmonary Vasoconstriction Induced by Hypobaric Hypoxia. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 6974	6.3	1
23	Chlorpromazine and Promethazine (C+P) Reduce Brain Injury after Ischemic Stroke through the PKC- β /NOX/MnSOD Pathway. <i>Mediators of Inflammation</i> , 2022 , 2022, 1-15	4.3	
22	Role of Oxidative Stress in the Pathogenesis of Atherothrombotic Diseases. <i>Antioxidants</i> , 2022 , 11, 1408	7.1	2
21	The Hidden Notes of Redox Balance in Neurodegenerative Diseases. <i>Antioxidants</i> , 2022 , 11, 1456	7.1	0
20	Glycolysis and the Pentose Phosphate Pathway Promote LPS-Induced NOX2 Oxidase- and IFN- γ -Dependent Inflammation in Macrophages. 2022 , 11, 1488		1
19	Targeting Oxidative Stress Involved in Endometriosis and Its Pain. 2022 , 12, 1055		1
18	Targeting of the intracellular redox balance by metal complexes towards anticancer therapy. 10,		1
17	NADPH Oxidases Are Required for Appressorium-Mediated Penetration in <i>Colletotrichum scovillei</i> -Pepper Fruit Pathosystem. 2022 , 38, 345-354		
16	Iso-cubebene attenuates neointima formation by inhibiting HMGB1-induced monocyte to macrophage differentiation via suppressing ROS production. 2022 , 111, 109121		
15	Berberamine Hydrochloride inhibits lysosomal acidification by activating Nox2 to potentiate chemotherapy-induced apoptosis via the ROS-MAPK pathway in human lung carcinoma cells.		0
14	Methamphetamine causes cardiovascular dysfunction via cystathionine gamma lyase and hydrogen sulfide depletion. 2022 , 57, 102480		0
13	Novel insights into the mechanism of reactive oxygen species-mediated neurodegeneration. 2023 , 18, 746		0
12	Crosslinking of membrane CD13 in human neutrophils mediates phagocytosis and production of reactive oxygen species, neutrophil extracellular traps and proinflammatory cytokines. 13,		0
11	Overview of the Mechanisms of Oxidative Stress: Impact in Inflammation of the Airway Diseases. 2022 , 11, 2237		1

- 10 Regulation of oxidative stress and inflammatory responses in human retinal pigment epithelial cells. **2022**, 100, 3-59 ○
- 9 Cerebral Glucose Metabolism and Potential Effects on Endoplasmic Reticulum Stress in Stroke. **2022**, 0 ○
- 8 Endotyping COPD: hypoxia-inducible factor-2 as a molecular switch between the vascular and airway phenotypes?. **2023**, 32, 220173 ○
- 7 Effects of NADPH Oxidase Isoform-2 (NOX2) Inhibition on Behavioral Responses and Neuroinflammation in a Mouse Model of Neuropathic Pain. **2023**, 11, 416 ○
- 6 Natural Bioactive Compounds Targeting NADPH Oxidase Pathway in Cardiovascular Diseases. **2023**, 28, 1047 1
- 5 Identification of a Noxo1 inhibitor by addition of a polyethylene glycol chain. **2023**, 85, 117274 ○
- 4 Induced Inflammatory and Oxidative Markers in Cerebral Microvasculature by Mentally Depressive Stress. **2023**, 2023, 1-11 ○
- 3 Manipulation of Oxidative Stress Responses by Non-Thermal Plasma to Treat Herpes Simplex Virus Type 1 Infection and Disease. **2023**, 24, 4673 ○
- 2 Low-Intensity Visible and Near-Infrared Light-Induced Cell Signaling Pathways in the Skin: A Comprehensive Review. **2023**, 41, 147-166 ○
- 1 Metabolic correction of neurodegenerative pathologies: the role of macronutrients and timing. 67-81 ○