

The NOX Family of ROS-Generating NADPH Oxidases: I

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Impact of Osteoarthritis. <i>Clinical Orthopaedics and Related Research</i> , 2004, 427, S6-S15.	0.7	547
2	Regulation of Nox1 Activity via Protein Kinase A-mediated Phosphorylation of NoxA1 and 14-3-3 Binding. <i>Journal of Biological Chemistry</i> , 2007, 282, 34787-34800.	1.6	88
3	Selective Loss of Catecholaminergic Wake-Active Neurons in a Murine Sleep Apnea Model. <i>Journal of Neuroscience</i> , 2007, 27, 10060-10071.	1.7	167
4	Nitric oxide suppresses NADPH oxidase-dependent superoxide production by S-nitrosylation in human endothelial cells. <i>Cardiovascular Research</i> , 2007, 75, 349-358.	1.8	191
5	Regulation of swelling-activated Cl ⁻ current by angiotensin II signalling and NADPH oxidase in rabbit ventricle. <i>Cardiovascular Research</i> , 2007, 77, 73-80.	1.8	59
6	Interactive Endogenous Small Molecule (Gaseous) Signaling: Implications for Teratogenesis. <i>Current Pharmaceutical Design</i> , 2007, 13, 2952-2978.	0.9	24
7	NOX1 Deficiency Protects From Aortic Dissection in Response to Angiotensin II. <i>Hypertension</i> , 2007, 50, 189-196.	1.3	119
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17	Roles of Hydrogen Peroxide in Thyroid Physiology and Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 3764-3773.	1.8	198
18	Redox Imbalance and Ventilator-Induced Lung Injury. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 2003-2012.	2.5	61

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28	Hypoxia-related lipid peroxidation: Evidences, implications and approaches. <i>Respiratory Physiology and Neurobiology</i> , 2007, 158, 143-150.	0.7	82
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920	Response to the Letter by Schmidt et al Regarding "Nox4 Is a Janus-Faced Reactive Oxygen Species Generating NADPH Oxidase". <i>Circulation Research</i> , 2012, 111, .	2.0	0
921	Yno1p/Aim14p, a NADPH-oxidase ortholog, controls extramitochondrial reactive oxygen species generation, apoptosis, and actin cable formation in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8658-8663.	3.3	126
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#	ARTICLE	IF	CITATIONS
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1012	Extracellular matrix turnover, angiogenesis and endothelial function in acute lung injury: relationship to pulmonary dysfunction and outcome. <i>Critical Care</i> , 2012, 16, .	2.5	1
1013	Thalidomide modulates macrophage-mediated inflammatory innate immune response during <i>Klebsiella pneumoniae</i> B5055 infection in BALB/c mice. <i>Critical Care</i> , 2012, 16, .	2.5	0
1014	Immunoglobulin therapy of abdominal sepsis in emergency surgery. <i>Critical Care</i> , 2012, 16, .	2.5	0
1015	Procalcitonin level as a marker of severe sepsis and septic shock patients who required polymyxin-B immobilized fiber with direct hemoperfusion. <i>Critical Care</i> , 2012, 16, .	2.5	1
1016	Diagnostic accuracy of procalcitonin in proven and clinically suspected systemic infection. <i>Critical Care</i> , 2012, 16, .	2.5	1
1017	Evaluation of a soluble CD14 subtype in patients with surgical sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1018	Advance directives and end-of-life decision-making in the ICU: results from an observational study. <i>Critical Care</i> , 2012, 16, .	2.5	0
1019	Protective effects of FCGR2A polymorphism in invasive pneumococcal diseases. <i>Critical Care</i> , 2012, 16, .	2.5	0
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1025	Low-tidal volume ventilation as compared with conventional tidal volume ventilation in patients of sepsis: a randomized controlled trial. <i>Critical Care</i> , 2012, 16, .	2.5	0
1026	Impact of daily auditing and weekly feedback on process of care and patient outcome in resuscitation of severe sepsis and septic shock. <i>Critical Care</i> , 2012, 16, .	2.5	0
1027	Candida score: a predictor of mortality in patients with candidemia. <i>Critical Care</i> , 2012, 16, .	2.5	0

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1029	Candiduria in ICUs: incidence, course and outcome. <i>Critical Care</i> , 2012, 16, .	2.5	1
1030	Erythropoietin enhances the effects of transplanted mesenchymal stem cells in an experimental model of endotoxemia. <i>Critical Care</i> , 2012, 16, .	2.5	0
1033	Development and validation of a bedside prediction score for nosocomial sepsis in the pediatric ICU: a prospective observational cohort study. <i>Critical Care</i> , 2012, 16, .	2.5	0
1034	Effects of statins on mitochondrial respiration and outcome during experimental sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1036	Effect of phenolic acids originating from microbes on mitochondria and neutrophils. <i>Critical Care</i> , 2012, 16, .	2.5	3
1037	Immunological modulation of estrogen during sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1038	Use of Centre for Disease Control criteria to classify infections in critically ill patients: results from an interobserver agreement study. <i>Critical Care</i> , 2012, 16, .	2.5	1
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1040	AMP-activated protein kinase preserves endothelial tight junctions in the coronary microcirculation during sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	2
1041	Weibel-Palade body exocytosis as a therapeutic target to improve hemodynamics in Gram-positive sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1042	Effectiveness of nebulized amphotericin B to eradicate <i>Candida</i> colonization from the lower respiratory tracts of ICU patients. <i>Critical Care</i> , 2012, 16, .	2.5	0
1043	Clinical and diagnostic significance of apoptosis in the development of neutropenia and bacterial complications in newborns with respiratory distress syndrome. <i>Critical Care</i> , 2012, 16, .	2.5	0
1044	Haemodynamic and renal effects of clonidine in an ovine model of severe sepsis and septic acute kidney injury. <i>Critical Care</i> , 2012, 16, .	2.5	0
1045	Regional perfusion and oxygenation of the kidney in an ovine model of severe sepsis with hypotension and kidney injury. <i>Critical Care</i> , 2012, 16, .	2.5	0
1047	Simplified selective decontamination of the digestive tract reduces Gram-negative bloodstream infection and respiratory tract colonization in intensive care. <i>Critical Care</i> , 2012, 16, .	2.5	0
1048	Decreased incidence of SIRS and sepsis by acupuncture in severe multiple traumatic patients via facilitation of vagal activity. <i>Critical Care</i> , 2012, 16, .	2.5	3
1049	A study of <i>Candida</i> biofilms in intensive care patients. <i>Critical Care</i> , 2012, 16, .	2.5	0

#	ARTICLE	IF	CITATIONS
1050	A limited set of molecular biomarkers may provide superior diagnostic outcomes to procalcitonin in sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	1
1051	Monocytic and neutrophilic CD11b and CD64 in severe sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	2
1052	Clinical evaluation of the Magicplex Sepsis Real-time Test (Seegene) to detect <i>Candida</i> DNA in pediatric patients. <i>Critical Care</i> , 2012, 16, .	2.5	7
1053	Procalcitonin, IL-10 and sCD25 as diagnostic and prognostic markers in critically ill patients. <i>Critical Care</i> , 2012, 16, .	2.5	0
1054	Ninjurin 1 contributes to TLR-induced inflammation in endothelial cells. <i>Critical Care</i> , 2012, 16, .	2.5	1
1055	Effect of <i>Calotropis procera</i> latex extracts on the hypothalamic TNF α and PGE2 levels in the rat model of yeast-induced pyrexia. <i>Critical Care</i> , 2012, 16, .	2.5	0
1056	Regulation of sepsis-induced IFN γ upon natural killer cell or natural killer T cell depletion in vivo. <i>Critical Care</i> , 2012, 16, .	2.5	0
1057	Pattern recognition receptors as key players in adrenal gland dysfunction during sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1058	Effects of a TREM-like transcript-1 derived peptide during septic shock in pigs. <i>Critical Care</i> , 2012, 16, .	2.5	0
1059	Role of TREM-1 in endothelial dysfunction during experimental sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	1
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1061	Attenuated NOX2 expression impairs ROS production during the hypoinflammatory phase of sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1062	Kinetic characterization of selective peroxisome-proliferator-activated receptor gamma modulators in vitro. <i>Critical Care</i> , 2012, 16, .	2.5	0
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1065	Involvement of thrombopoietin in the development of organ injury in a mouse model of cecal ligation and puncture-induced sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1066	Cholecystokinin protects rats against <i>Staphylococcus aureus</i> -induced sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1067	Polymyxin B-direct hemoperfusion therapy contributes to oxygen delivery in septic patients. <i>Critical Care</i> , 2012, 16, .	2.5	1
1068	Sepsis in neonates: experience in a tertiary-care hospital. <i>Critical Care</i> , 2012, 16, .	2.5	1

#	ARTICLE	IF	CITATIONS
1069	Is urinary kidney injury molecule-1 a good marker for acute kidney injury in septic shock?. Critical Care, 2012, 16, .	2.5	0
1070	Necrotizing fasciitis: modern clinical view. Critical Care, 2012, 16, .	2.5	2
1071	Erysipelas: complement system and SIRS. Critical Care, 2012, 16, .	2.5	0
1072	Pancreatic stone protein: a new predictor of outcome in patients with peritonitis. Critical Care, 2012, 16, .	2.5	0
1073	Audit on patient outcome based on APACHE II scoring in the respiratory ICU of a south Indian university teaching hospital. Critical Care, 2012, 16, .	2.5	0
1074	Internal jugular vein catheterization: a comparative study of apical and paracarotid approaches. Critical Care, 2012, 16, .	2.5	0
1075	Citrate anticoagulation protocol to treat septic shock patients with liver dysfunction in CPFA extracorporeal therapy. Critical Care, 2012, 16, .	2.5	0
1076	Manipulation of nitric oxide levels with a modified hydroxyethyl starch molecule. Critical Care, 2012, 16, .	2.5	0
1077	Molecular diagnosis of severe bacterial sepsis in children. Critical Care, 2012, 16, .	2.5	0
1078	Insulin exerts anti-inflammatory effects through reduction of IKK/IÎ²B/NF-Î²B pathway activation in septic rats. Critical Care, 2012, 16, .	2.5	0
1079	Severe sepsis with multiple organ dysfunctions caused by Pseudomonas aeruginosa in an immunocompetent child. Critical Care, 2012, 16, .	2.5	3
1080	Effects of sesamol against acute kidney injury in cecal-ligation-and-puncture-treated rats. Critical Care, 2012, 16, .	2.5	1
1081	Noradrenergic neurons regulate the egress and trafficking of splenic monocytes and influence mortality during Gram-negative infection in mice. Critical Care, 2012, 16, .	2.5	0
1082	Mannose-binding lectin deficiency and NOD2 mutations do not predispose to Staphylococcus aureus bloodstream infections but may influence outcome. Critical Care, 2012, 16, .	2.5	0
1083	Homogeneity versus diversity: inhibition of plasma PAI-1 in murine sepsis proved lethal in homogeneous cohorts but not in all-inclusive populations. Critical Care, 2012, 16, .	2.5	0
1084	Effect of heparin during extracorporeal detoxification in the severity of thrombocytopenia in patients with severe sepsis. Critical Care, 2012, 16, .	2.5	0
1085	Estimation of efficacy early selective LPS sorption in patients with septic shock. Critical Care, 2012, 16, .	2.5	2
1086	Audit of the ward-based management of severe sepsis in a large teaching hospital. Critical Care, 2012, 16, .	2.5	1

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1087	Neutrophil CD64 as a diagnostic marker of sepsis in neonates: impact on clinical care. <i>Critical Care</i> , 2012, 16, .	2.5	0
1088	Pancreatic stone protein as a novel marker for neonatal sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	1
1089	A standardized protocol for the multiplex PCR technique Septifast® Roche for neonatal samples with suspected sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1090	Toll-like receptor 4 in phagocytosis of <i>Escherichia coli</i> by endotoxin-activated human neutrophils in whole blood. <i>Critical Care</i> , 2012, 16, .	2.5	5
1091	CD24-mediated neutrophil death in inflammation: ex vivo study suggesting a potential role in sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	2
1092	Resistant <i>Escherichia coli</i> strains circulating in a tertiary-care hospital in New Delhi, India. <i>Critical Care</i> , 2012, 16, .	2.5	0
1093	5-Lipoxygenase contributes to PPAR β activation in macrophages in response to apoptotic cells. <i>Critical Care</i> , 2012, 16, .	2.5	0
1094	Natural killer cell status and tolerance in mouse and human bacterial sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1095	Raman spectroscopic investigation of the interaction of <i>Enterococcus faecalis</i> and vancomycin: towards a culture-independent antibiotic susceptibility test. <i>Critical Care</i> , 2012, 16, .	2.5	2
1096	Transthoracic echocardiographic assessment of IVC diameter variability to determine fluid responsiveness in children with septic shock: a pilot study. <i>Critical Care</i> , 2012, 16, .	2.5	0
1097	Do we still accept central venous pressure measurements to assess preload responsiveness in children with septic shock? A single-center experience. <i>Critical Care</i> , 2012, 16, .	2.5	0
1098	Emergence of carbapenem resistance in Gram-negative nosocomial bloodstream infections among critically ill children? A single-center experience. <i>Critical Care</i> , 2012, 16, .	2.5	0
1099	Development of a point-of-care-testing system for procalcitonin. <i>Critical Care</i> , 2012, 16, .	2.5	0
1100	Management of sepsis in Indian ICUs: Indian data from the MOSAICS study. <i>Critical Care</i> , 2012, 16, .	2.5	0
1101	Impact of interventions to reduce device-related infections in Indian cancer centre ICUs. <i>Critical Care</i> , 2012, 16, .	2.5	0
1102	Early fluid therapy with splanchnic sympathetic blockage prevented microcirculation damage, gut bacterial overgrowth, bacterial translocation and mortality in sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1103	Abdominal organs' microcirculation dysfunction sequence in severe sepsis by SDF microscopy and histology. <i>Critical Care</i> , 2012, 16, .	2.5	0
1104	Role of the clarithromycin immune modulator activity on abdominal microhemodynamics and mortality in severe sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	1

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1105	Preliminary results for the use of proteinase K to achieve release of LPS from the Altecó LPS AdsorberA® after perfusion with LPS containing blood. <i>Critical Care</i> , 2012, 16, .	2.5	0
1106	PSP/reg and NT-proCNP to predict the occurrence of ICU-acquired sepsis in severe trauma patients: results of a pilot study. <i>Critical Care</i> , 2012, 16, .	2.5	0
1107	From positive blood culture to microbiological diagnosis in 4 hours by MALDI-TOF mass spectrometry bacterial identification and rapid antibiogram. <i>Critical Care</i> , 2012, 16, .	2.5	2
1108	Relationship between plasma NGAL and serum creatinine is influenced by leucocytosis and neutrophilia in the critically ill. <i>Critical Care</i> , 2012, 16, .	2.5	0
1109	Corticosteroid resistance in sepsis is influenced by microRNA-124-induced downregulation of glucocorticoid receptor-1 α . <i>Critical Care</i> , 2012, 16, .	2.5	0
1110	Glucocorticoids control systemic inflammatory response by regulation of energy metabolism and cytokine expression. <i>Critical Care</i> , 2012, 16, .	2.5	0
1111	Assessment of clinical deterioration and progressive organ failure in moderate-severity emergency department sepsis patients. <i>Critical Care</i> , 2012, 16, .	2.5	0
1112	Increased endotoxin activity is associated with clinical deterioration in moderate-severity emergency department sepsis patients: a pilot study. <i>Critical Care</i> , 2012, 16, .	2.5	3
1113	Defining the impact of delayed antibiotic administration using a comprehensive electronic health record screen to identify sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	1
1114	Effects on outcome of patients with severe sepsis and septic shock admitted to the ICU after implementation cooperative sepsis management protocol. <i>Critical Care</i> , 2012, 16, .	2.5	0
1115	Saving 500 Lives Campaign: another way to improve the mortality rate of patients with severe sepsis and septic shock. <i>Critical Care</i> , 2012, 16, .	2.5	4
1116	Clinical utility of using C-reactive protein and procalcitonin as biomarkers for a novel neonatal sepsis diagnostic platform (ASCMicroPlat). <i>Critical Care</i> , 2012, 16, .	2.5	0
1117	GAPDH: is it a reliable housekeeper gene to use in sepsis research?. <i>Critical Care</i> , 2012, 16, .	2.5	0
1118	Cytokine gene expression profiling identifies distinct patterns in severe sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1119	Quantified temporal changes of heart rate variability when developing SIRS. <i>Critical Care</i> , 2012, 16, .	2.5	0
1120	Endothelial cell specific molecule 1 is today a relevant marker of respiratory failure in sepsis and polytrauma patients. <i>Critical Care</i> , 2012, 16, .	2.5	0
1121	A microbiome approach to sepsis: development and case-study application of novel methods for detection and isolation of microbes from whole blood. <i>Critical Care</i> , 2012, 16, .	2.5	2
1122	Antibacterial therapy in treatment of newborns with perinatal sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0

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1123	Use of intravenous and intramuscular immunoglobulin in the practice of treatment for purulent and septic deaths in newborns. <i>Critical Care</i> , 2012, 16, .	2.5	1
1124	An overview of the sepsis situation in the Department of Infection Diseases, University Hospital Center, Tirana. <i>Critical Care</i> , 2012, 16, .	2.5	0
1125	Is visceral leishmaniasis a sepsis or not?. <i>Critical Care</i> , 2012, 16, .	2.5	3
1126	Evaluation of procalcitonin in patients with sepsis in Albanian adults. <i>Critical Care</i> , 2012, 16, .	2.5	0
1127	Role of the membrane receptor ALXR in polymicrobial sepsis. <i>Critical Care</i> , 2012, 16, .	2.5	0
1128	Strategic Role for Mitochondria in Alzheimer's Disease and Cancer. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1476-1491.	2.5	46
1129	Bone marrow derived cells and reactive oxygen species in hypertrophy of contralateral kidney of transient unilateral renal ischemia-induced mouse. <i>Free Radical Research</i> , 2012, 46, 903-911.	1.5	19
1130	NADPH Oxidase-derived Reactive Oxygen Species Increases Expression of Monocyte Chemotactic Factor Genes in Cultured Adipocytes. <i>Journal of Biological Chemistry</i> , 2012, 287, 10379-10393.	1.6	152
1131	Glutathione/thioredoxin systems modulate mitochondrial H ₂ O ₂ emission: An experimental-computational study. <i>Journal of General Physiology</i> , 2012, 139, 479-491.	0.9	180
1132	Dynamic Optical Imaging of Metabolic and NADPH Oxidase-Derived Superoxide in Live Mouse Brain Using Fluorescence Lifetime Unmixing. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 23-32.	2.4	52
1133	Coagulation Activation Is Associated with Nicotinamide Adenine Dinucleotide Phosphate Oxidase-Dependent Reactive Oxygen Species Generation in Hemodialysis Patients. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 428-439.	2.5	10
1134	Ibuprofen attenuates oxidative damage through NOX2 inhibition in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 197.e21-197.e32.	1.5	81
1135	The retinal renin-angiotensin system: Roles of angiotensin II and aldosterone. <i>Peptides</i> , 2012, 36, 142-150.	1.2	72
1136	3,5,3'-Triiodothyronine (T3) stimulates cell proliferation through the activation of the PI3K/Akt pathway and reactive oxygen species (ROS) production in chick embryo hepatocytes. <i>Steroids</i> , 2012, 77, 589-595.	0.8	24
1137	Urinary total arsenic and 8-hydroxydeoxyguanosine are associated with renal cell carcinoma in an area without obvious arsenic exposure. <i>Toxicology and Applied Pharmacology</i> , 2012, 262, 349-354.	1.3	20
1138	Linking mitochondrial bioenergetics to insulin resistance via redox biology. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 142-153.	3.1	260
1139	NADPH oxidases: novel therapeutic targets for neurodegenerative diseases. <i>Trends in Pharmacological Sciences</i> , 2012, 33, 295-303.	4.0	188
1140	The emerging role of reactive oxygen and nitrogen species in redox biology and some implications for plasma applications to medicine and biology. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 263001.	1.3	1,170

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1141	Adaptive and Maladaptive Cardiorespiratory Responses to Continuous and Intermittent Hypoxia Mediated by Hypoxia-Inducible Factors 1 and 2. <i>Physiological Reviews</i> , 2012, 92, 967-1003.	13.1	502
1142	Mimicking the functional niche of adipose-derived stem cells for regenerative medicine. <i>Expert Opinion on Biological Therapy</i> , 2012, 12, 1575-1588.	1.4	37
1143	Hypoxic Pulmonary Vasoconstriction. <i>Physiological Reviews</i> , 2012, 92, 367-520.	13.1	568
1144	Klotho gene delivery suppresses Nox2 expression and attenuates oxidative stress in rat aortic smooth muscle cells via the cAMP/PKA pathway. <i>Aging Cell</i> , 2012, 11, 410-417.	3.0	105
1145	Aiding and abetting roles of NOX oxidases in cellular transformation. <i>Nature Reviews Cancer</i> , 2012, 12, 627-637.	12.8	245
1146	Mechanisms of Altered Redox Regulation in Neurodegenerative Diseases—Focus on S-Glutathionylation. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 543-566.	2.5	105
1147	Opposing Actions of Heat Shock Protein 90 and 70 Regulate Nicotinamide Adenine Dinucleotide Phosphate Oxidase Stability and Reactive Oxygen Species Production. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2989-2999.	1.1	76
1148	p47phox Directs Murine Macrophage Cell Fate Decisions. <i>American Journal of Pathology</i> , 2012, 180, 1049-1058.	1.9	28
1149	Nox1 as a moderate activator of Nox2-based NADPH oxidase. <i>Archives of Biochemistry and Biophysics</i> , 2012, 519, 1-7.	1.4	16
1150	Anionic lipid-induced conformational changes in human phagocyte flavocytochrome b precede assembly and activation of the NADPH oxidase complex. <i>Archives of Biochemistry and Biophysics</i> , 2012, 521, 24-31.	1.4	14
1151	A variant in myeloperoxidase promoter hastens the emergence of hepatocellular carcinoma in patients with HCV-related cirrhosis. <i>Journal of Hepatology</i> , 2012, 56, 426-432.	1.8	39
1152	The NOX1 PX Domain Preferentially Targets PtdIns(4,5)P2 and PtdIns(3,4,5)P3. <i>Journal of Molecular Biology</i> , 2012, 417, 440-453.	2.0	11
1153	Expression of NADPH oxidase in human pancreatic islets. <i>Life Sciences</i> , 2012, 91, 244-249.	2.0	25
1154	Molecular cloning and characterization of the NADPH oxidase from the kuruma shrimp, <i>Marsupenaeus japonicus</i> : Early gene up-regulation after <i>Vibrio penaeicida</i> and poly(I:C) stimulations in vitro. <i>Molecular and Cellular Probes</i> , 2012, 26, 29-41.	0.9	14
1155	Changes in mitochondrial reactive oxygen species synthesis during differentiation of skeletal muscle cells. <i>Mitochondrion</i> , 2012, 12, 144-148.	1.6	60
1156	Co-administration of apocynin with lipoic acid enhances neuroprotection in a rat model of ischemia/reperfusion. <i>Neuroscience Letters</i> , 2012, 507, 43-46.	1.0	25
1157	Glutamate-induced free radical formation in rat brain synaptosomes is not dependent on intrasynaptosomal mitochondria membrane potential. <i>Neuroscience Letters</i> , 2012, 513, 238-242.	1.0	26
1158	A long-term high-fat diet increases oxidative stress, mitochondrial damage and apoptosis in the inner ear of d-galactose-induced aging rats. <i>Hearing Research</i> , 2012, 287, 15-24.	0.9	96

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1160	Role of NADPH oxidase/ROS in pro-inflammatory mediators-induced airway and pulmonary diseases. <i>Biochemical Pharmacology</i> , 2012, 84, 581-590.	2.0	346
1161	Alterations in oxidative stress biomarkers associated with mild hyperlipidemia and smoking. <i>Food and Chemical Toxicology</i> , 2012, 50, 920-926.	1.8	28
1162	Oxidative stress and vein graft failure: a focus on NADH oxidase, nitric oxide and eicosanoids. <i>Current Opinion in Pharmacology</i> , 2012, 12, 160-165.	1.7	31
1163	Probing oxidative stress: Small molecule fluorescent sensors of metal ions, reactive oxygen species, and thiols. <i>Coordination Chemistry Reviews</i> , 2012, 256, 2333-2356.	9.5	283
1164	Autophagy Protein Rubicon Mediates Phagocytic NADPH Oxidase Activation in Response to Microbial Infection or TLR Stimulation. <i>Cell Host and Microbe</i> , 2012, 11, 264-276.	5.1	126
1165	Viral Infection Brings Mitochondrial Traffic to a Standstill. <i>Cell Host and Microbe</i> , 2012, 11, 420-421.	5.1	2
1166	Old Antibiotics Target TB with a New Trick. <i>Cell Host and Microbe</i> , 2012, 11, 419-420.	5.1	7
1167	Molecular Mechanisms of Hypertensionâ€™ Reactive Oxygen Species and Antioxidants: A Basic Science Update for the Clinician. <i>Canadian Journal of Cardiology</i> , 2012, 28, 288-295.	0.8	199
1168	NADPH oxidase subunit 4 mediates cycling hypoxia-promoted radiation resistance in glioblastoma multiforme. <i>Free Radical Biology and Medicine</i> , 2012, 53, 649-658.	1.3	58
1169	TG-interacting factor-induced superoxide production from NADPH oxidase contributes to the migration/invasion of urothelial carcinoma. <i>Free Radical Biology and Medicine</i> , 2012, 53, 769-778.	1.3	21
1170	Role of Nox4 in murine models of kidney disease. <i>Free Radical Biology and Medicine</i> , 2012, 53, 842-853.	1.3	131
1171	Germling fusion via conidial anastomosis tubes in the grey mould <i>Botrytis cinerea</i> requires NADPH oxidase activity. <i>Fungal Biology</i> , 2012, 116, 379-387.	1.1	82
1172	Sustained Activation of <i>N</i> -Methyl-d-Aspartate Receptors in Podocytes Leads to Oxidative Stress, Mobilization of Transient Receptor Potential Canonical 6 Channels, Nuclear Factor of Activated T Cells Activation, and Apoptotic Cell Death. <i>Molecular Pharmacology</i> , 2012, 82, 728-737.	1.0	46
1173	Actions of antioxidants in the protection against atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2012, 53, 863-884.	1.3	112
1174	NADPH-Oxidase 4 Protects against Kidney Fibrosis during Chronic Renal Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1967-1976.	3.0	131
1175	NADPH oxidases as a source of oxidative stress and molecular target in ischemia/reperfusion injury. <i>Journal of Molecular Medicine</i> , 2012, 90, 1391-1406.	1.7	139
1176	Droplet aerodynamics, cellular uptake, and efficacy of a nebulizable corticosteroid nanosuspension are superior to a micronized dosage form. <i>Biotechnology Progress</i> , 2012, 28, 1152-1159.	1.3	17

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1178	Expanded ataxin-7 cause toxicity by inducing ROS production from NADPH oxidase complexes in a stable inducible Spinocerebellar ataxia type 7 (SCA7) model. <i>BMC Neuroscience</i> , 2012, 13, 86.	0.8	27
1179	NADPH oxidase 2-derived reactive oxygen species signal contributes to bradykinin-induced matrix metalloproteinase-9 expression and cell migration in brain astrocytes. <i>Cell Communication and Signaling</i> , 2012, 10, 35.	2.7	61
1180	NADPH oxidase-mediated redox signal contributes to lipoteichoic acid-induced MMP-9 upregulation in brain astrocytes. <i>Journal of Neuroinflammation</i> , 2012, 9, 110.	3.1	55
1181	Podosomes in migrating microglia: components and matrix degradation. <i>Journal of Neuroinflammation</i> , 2012, 9, 190.	3.1	60
1182	Anti-inflammatory and neuroprotective effects of an orally active apocynin derivative in pre-clinical models of Parkinson's disease. <i>Journal of Neuroinflammation</i> , 2012, 9, 241.	3.1	98
1183	Characterization of the 1st and 2nd EF-hands of NADPH oxidase 5 by fluorescence, isothermal titration calorimetry, and circular dichroism. <i>Chemistry Central Journal</i> , 2012, 6, 29.	2.6	19
1184	Molecular and cellular mechanisms of pulmonary fibrosis. <i>Fibrogenesis and Tissue Repair</i> , 2012, 5, 11.	3.4	310
1185	The 1027th target candidate in stroke: Will NADPH oxidase hold up?. <i>Experimental & Translational Stroke Medicine</i> , 2012, 4, 11.	3.2	37
1186	Potential implication of the chemical properties and bioactivity of nitron spin traps for therapeutics. <i>Future Medicinal Chemistry</i> , 2012, 4, 1171-1207.	1.1	62
1189	NADPH Oxidase Activation: A Mechanism of Erectile Dysfunction in a Rat Model of Sleep Apnea. <i>Journal of Andrology</i> , 2012, 33, 1186-1198.	2.0	28
1190	Mitogen-Activated Protein Kinase and Natural Phenolic Compounds in Cardiovascular Remodeling. <i>Studies in Natural Products Chemistry</i> , 2012, 38, 159-190.	0.8	1
1191	Endothelial Dysfunction and Diabetes: Effects on Angiogenesis, Vascular Remodeling, and Wound Healing. <i>International Journal of Vascular Medicine</i> , 2012, 2012, 1-30.	0.4	440
1192	The Nox4 Inhibitor GKT137831 Attenuates Hypoxia-Induced Pulmonary Vascular Cell Proliferation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 718-726.	1.4	135
1193	NADPH Oxidase 1-Mediated Oxidative Stress Leads to Dopamine Neuron Death in Parkinson's Disease. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1033-1045.	2.5	148
1194	Deficiency in the NADPH oxidase 4 predisposes towards diet-induced obesity. <i>International Journal of Obesity</i> , 2012, 36, 1503-1513.	1.6	70
1195	NADPH oxidase is involved in H_2O_2 -induced differentiation of human promyelocytic leukaemia HL60 cells. <i>Cell Biology International</i> , 2012, 36, 391-395.	1.4	17
1196	Reactive oxygen species (ROS) and sensitization to TRAIL-induced apoptosis, in Bayesian network modelling of HeLa cell response to LY303511. <i>Biochemical Pharmacology</i> , 2012, 84, 1307-1317.	2.0	10

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1198	Gene therapy for primary immunodeficiencies: Part 2. <i>Current Opinion in Immunology</i> , 2012, 24, 585-591.	2.4	61
1199	Consensus in silico computational modelling of the p22phox subunit of the NADPH oxidase. <i>Computational Biology and Chemistry</i> , 2012, 39, 6-13.	1.1	20
1200	Mechanism of reversal of high glucose-induced endothelial nitric oxide synthase uncoupling by tanshinone IIA in human endothelial cell line EA.hy926. <i>European Journal of Pharmacology</i> , 2012, 697, 97-105.	1.7	34
1201	The influence of reactive oxygen species on cell cycle progression in mammalian cells. <i>Gene</i> , 2012, 511, 1-6.	1.0	187
1202	NecroX-7 prevents oxidative stress-induced cardiomyopathy by inhibition of NADPH oxidase activity in rats. <i>Toxicology and Applied Pharmacology</i> , 2012, 263, 1-6.	1.3	30
1203	Superoxide anions modulate the effects of angiotensin-(1 α 7) in the rostral ventrolateral medulla on cardiac sympathetic afferent reflex and sympathetic activity in rats. <i>Neuroscience</i> , 2012, 223, 388-398.	1.1	24
1204	Adverse cognitive effects of high-fat diet in a murine model of sleep apnea are mediated by NADPH oxidase activity. <i>Neuroscience</i> , 2012, 227, 361-369.	1.1	17
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1206	Antioxidant activity of vasoactive intestinal peptide in HK2 human renal cells. <i>Peptides</i> , 2012, 38, 275-281.	1.2	16
1207	Long-term methylglyoxal treatment impairs smooth muscle contractility in organ-cultured rat mesenteric artery. <i>Pharmacological Research</i> , 2012, 65, 91-99.	3.1	19
1208	Redox balance dynamically regulates vascular growth and remodeling. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 745-757.	2.3	59
1209	Resveratrol reduces vascular cell senescence through attenuation of oxidative stress by SIRT1/NADPH oxidase-dependent mechanisms. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1410-1416.	1.9	83
1210	Changes in NADPH oxidase mRNA level can be detected in blood at inhaled corticosteroid treated asthmatic children. <i>Life Sciences</i> , 2012, 91, 907-911.	2.0	9
1211	Activation of Neuronal NMDA Receptors Induces Superoxide-Mediated Oxidative Stress in Neighboring Neurons and Astrocytes. <i>Journal of Neuroscience</i> , 2012, 32, 12973-12978.	1.7	97
1212	Superoxide Dismutase 3 Suppresses Hyaluronic Acid Fragments Mediated Skin Inflammation by Inhibition of Toll-Like Receptor 4 Signaling Pathway: Superoxide Dismutase 3 Inhibits Reactive Oxygen Species-Induced Trafficking of Toll-Like Receptor 4 to Lipid Rafts. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 297-313.	2.5	44
1213	On the Redox Control of B Lymphocyte Differentiation and Function. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1139-1149.	2.5	35
1214	Transcriptional regulation of Nox4 by histone deacetylases in human endothelial cells. <i>Basic Research in Cardiology</i> , 2012, 107, 283.	2.5	61

#	ARTICLE	IF	CITATIONS
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1216	NADPH oxidase-dependent oxidative stress and mitochondrial damage in hippocampus of D-galactose-induced aging rats. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2012, 32, 466-472.	1.0	16
1217	Expression of NADPH oxidase and production of reactive oxygen species in aorta in an active immunization mouse model with AT1-EC2 peptide. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2012, 32, 490-494.	1.0	0
1218	NADPH Oxidase NOX2 Defines a New Antagonistic Role for Reactive Oxygen Species and cAMP/PKA in the Regulation of Insulin Secretion. <i>Diabetes</i> , 2012, 61, 2842-2850.	0.3	100
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1220	Oxidative Stress and Cardiac Muscle. , 2012, , 309-322.		1
1221	20-HETE in neovascularization. <i>Prostaglandins and Other Lipid Mediators</i> , 2012, 98, 63-68.	1.0	35
1222	Sperm Capacitation as an Oxidative Event. , 2012, , 57-94.		10
1223	Cryostorage and Oxidative Stress in Mammalian Spermatozoa. , 2012, , 41-56.		6
1224	Hemodynamic Control of Vascular Smooth Muscle Function. , 2012, , 1231-1242.		2
1225	Nitric oxide: Orchestrator of endothelium-dependent responses. <i>Annals of Medicine</i> , 2012, 44, 694-716.	1.5	141
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1227	Progressive multiple sclerosis: pathology and pathogenesis. <i>Nature Reviews Neurology</i> , 2012, 8, 647-656.	4.9	793
1228	Advances in Mitochondrial Medicine. <i>Advances in Experimental Medicine and Biology</i> , 2012, , .	0.8	17
1229	Activation of PARP by Oxidative Stress Induced by Î²-Amyloid: Implications for Alzheimerâ€™s Disease. <i>Neurochemical Research</i> , 2012, 37, 2589-2596.	1.6	66
1230	Oxidative Stress in Cancer Biology and Therapy. , 2012, , .		5
1231	Biocommunication of Fungi. , 2012, , .		22
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1400	The NADPH Oxidase Pathway Is Dysregulated by the P2X7 Receptor in the SOD1-G93A Microglia Model of Amyotrophic Lateral Sclerosis. <i>Journal of Immunology</i> , 2013, 190, 5187-5195.	0.4	103
1401	NADPH oxidase subunit p22 phox-mediated reactive oxygen species contribute to angiogenesis and tumor growth through AKT and ERK1/2 signaling pathways in prostate cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3375-3385.	1.9	39
1402	Boronate-Based Fluorescent Probes. <i>Methods in Enzymology</i> , 2013, 526, 19-43.	0.4	116
1403	Pathogenesis of Chronic Cardiorenal Syndrome: Is There a Role for Oxidative Stress?. <i>International Journal of Molecular Sciences</i> , 2013, 14, 23011-23032.	1.8	70
1404	Granulocyte Colony-Stimulating Factor Receptor Signaling. <i>Hematology/Oncology Clinics of North America</i> , 2013, 27, 61-73.	0.9	26
1405	Elevated hydrogen peroxide and decreased catalase and glutathione peroxidase protection are associated with aging sarcopenia. <i>BMC Geriatrics</i> , 2013, 13, 104.	1.1	101
1406	Bilirubin attenuates the renal tubular injury by inhibition of oxidative stress and apoptosis. <i>BMC Nephrology</i> , 2013, 14, 105.	0.8	48
1407	Impaired endocytosis in proximal tubule from subchronic exposure to cadmium involves angiotensin II type 1 and cubilin receptors. <i>BMC Nephrology</i> , 2013, 14, 211.	0.8	20
1408	Mitochondrial production of reactive oxygen species. <i>Biochemistry (Moscow)</i> , 2013, 78, 1490-1511.	0.7	64
1409	Cellular and temporal expression of NADPH oxidase (NOX) isotypes after brain injury. <i>Journal of Neuroinflammation</i> , 2013, 10, 155.	3.1	111
1410	Cysteine (C)-X-C Receptor 4 Regulates NADPH Oxidase-2 During Oxidative Stress in Prostate Cancer Cells. <i>Cancer Microenvironment</i> , 2013, 6, 277-288.	3.1	17
1411	Influence of NADPH oxidase on inflammatory response in primary intestinal epithelial cells in patients with ulcerative colitis. <i>BMC Gastroenterology</i> , 2013, 13, 159.	0.8	18
1412	Inhibitory Effect of Gallic Acid on Advanced Glycation End Products Induced Up-Regulation of Inflammatory Cytokines and Matrix Proteins in H9C2 (2-1) Cells. <i>Cardiovascular Toxicology</i> , 2013, 13, 396-405.	1.1	24
1413	Sex-specific associations of variants in regulatory regions of NADPH oxidase-2 (<i>CYBB</i>) and glutathione peroxidase 4 (<i>GPX4</i>) genes with kidney disease in type 1 diabetes. <i>Free Radical Research</i> , 2013, 47, 804-810.	1.5	19
1414	S-Glutathionylation in Monocyte and Macrophage (Dys)Function. <i>International Journal of Molecular Sciences</i> , 2013, 14, 15212-15232.	1.8	28
1415	Impact of exercise training on redox signaling in cardiovascular diseases. <i>Food and Chemical Toxicology</i> , 2013, 62, 107-119.	1.8	55
1416	Role of NADPH oxidase isoforms NOX1, NOX2 and NOX4 in myocardial ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 64, 99-107.	0.9	129

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1418	8-Oxoguanine DNA glycosylase-1 links DNA repair to cellular signaling via the activation of the small GTPase Rac1. <i>Free Radical Biology and Medicine</i> , 2013, 61, 384-394.	1.3	76
1419	Cellular stress response and innate immune signaling: integrating pathways in host defense and inflammation. <i>Journal of Leukocyte Biology</i> , 2013, 94, 1167-1184.	1.5	249
1420	Voltage-Gated Proton Channels: Molecular Biology, Physiology, and Pathophysiology of the H _V Family. <i>Physiological Reviews</i> , 2013, 93, 599-652.	13.1	203
1421	Caffeic acid phenethyl ester suppresses oxidative stress in 3T3-L1 adipocytes. <i>Journal of Asian Natural Products Research</i> , 2013, 15, 1189-1196.	0.7	16
1422	Role of NOX2-derived ROS in the development of cognitive impairment after sepsis. <i>Critical Care</i> , 2013, 17, P97.	2.5	0
1423	Redox signaling mediated by the gut microbiota. <i>Free Radical Research</i> , 2013, 47, 950-957.	1.5	69
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1425	Hace1 controls ROS generation of vertebrate Rac1-dependent NADPH oxidase complexes. <i>Nature Communications</i> , 2013, 4, 2180.	5.8	94
1426	Activation of calcium signaling through Trpv1 by nNOS and peroxynitrite as a key trigger of skeletal muscle hypertrophy. <i>Nature Medicine</i> , 2013, 19, 101-106.	15.2	244
1427	Which NADPH Oxidase Isoform Is Relevant for Ischemic Stroke? The Case for Nox 2. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1400-1417.	2.5	110
1428	NADPH Oxidases in Heart Failure: Poachers or Gamekeepers?. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1024-1041.	2.5	172
1429	Neuroprotection After Stroke by Targeting NOX4 As a Source of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1418-1427.	2.5	126
1430	The Role of Na ⁺ /H ⁺ Exchanger Isoform 1 in Inflammatory Responses: Maintaining H ⁺ Homeostasis of Immune Cells. <i>Advances in Experimental Medicine and Biology</i> , 2013, 961, 411-418.	0.8	28
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1432	Hydropropidine: A novel, cell-impermeant fluorogenic probe for detecting extracellular superoxide. <i>Free Radical Biology and Medicine</i> , 2013, 54, 135-147.	1.3	42
1433	NOXO1 phosphorylation on serine 154 is critical for optimal NADPH oxidase 1 assembly and activation. <i>FASEB Journal</i> , 2013, 27, 1733-1748.	0.2	37
1434	TGF- β 2 signaling in tissue fibrosis: Redox controls, target genes and therapeutic opportunities. <i>Cellular Signalling</i> , 2013, 25, 264-268.	1.7	285

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1436	Balancing Reactive Oxygen Species in the Epigenome: NADPH Oxidases as Target and Perpetrator. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1937-1945.	2.5	37
1437	Host Responses in Tissue Repair and Fibrosis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2013, 8, 241-276.	9.6	508
1438	Role of oxygen gradients in shaping redox relationships between the human intestine and its microbiota. <i>Free Radical Biology and Medicine</i> , 2013, 55, 130-140.	1.3	310
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1442	Opportunity Nox: The Future of NADPH Oxidases as Therapeutic Targets in Cardiovascular Disease. <i>Cardiovascular Therapeutics</i> , 2013, 31, 125-137.	1.1	63
1443	Redox Proteomics: Chemical Principles, Methodological Approaches and Biological/Biomedical Promises. <i>Chemical Reviews</i> , 2013, 113, 596-698.	23.0	222
1444	The Tumor Microenvironment: Characterization, Redox Considerations, and Novel Approaches for Reactive Oxygen Species-Targeted Gene Therapy. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 854-895.	2.5	97
1445	Thioredoxins, Glutaredoxins, and Peroxiredoxins—Molecular Mechanisms and Health Significance: from Cofactors to Antioxidants to Redox Signaling. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1539-1605.	2.5	557
1446	Influence of NADPH oxidase inhibition on oxidative stress parameters in rat hearts. <i>Pharmacological Reports</i> , 2013, 65, 898-905.	1.5	6
1447	Differential roles of NADPH oxidases and associated regulators in polarized growth, conidiation and hyphal fusion in the symbiotic fungus <i>Epichloa festucae</i> . <i>Fungal Genetics and Biology</i> , 2013, 56, 87-97.	0.9	62
1448	Hypoxia, vascular smooth muscles and endothelium. <i>Acta Pharmaceutica Sinica B</i> , 2013, 3, 1-7.	5.7	31
1449	Role of reactive oxygen species and Ca ²⁺ dissociation from the myofilaments in determination of Ca ²⁺ wave propagation in rat cardiac muscle. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 56, 97-105.	0.9	3
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1454	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
1455	Inhibiting cancer metastasis via targeting NADPH oxidase 4. <i>Biochemical Pharmacology</i> , 2013, 86, 253-266.	2.0	59
1456	Noise-induced changes in expression levels of NADPH oxidases in the cochlea. <i>Hearing Research</i> , 2013, 304, 145-152.	0.9	46
1457	Regulation of NOX-1 expression in beta cells: A positive feedback loop involving the Src-kinase signaling pathway. <i>Molecular and Cellular Endocrinology</i> , 2013, 369, 35-41.	1.6	23
1458	Precipitants of hepatic encephalopathy induce rapid astrocyte swelling in an oxidative stress dependent manner. <i>Archives of Biochemistry and Biophysics</i> , 2013, 536, 143-151.	1.4	46
1459	Pesticides, Microglial NOX2, and Parkinson's Disease. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013, 27, 137-149.	1.4	50
1460	Neutrophil-mediated oxidation of erythrocyte peroxiredoxin 2 as a potential marker of oxidative stress in inflammation. <i>FASEB Journal</i> , 2013, 27, 3315-3322.	0.2	41
1461	Regulation of Cellular Gas Exchange, Oxygen Sensing, and Metabolic Control. , 2013, 3, 1135-1190.		59
1462	Overproduction of NOX-derived ROS in AML promotes proliferation and is associated with defective oxidative stress signaling. <i>Blood</i> , 2013, 122, 3322-3330.	0.6	182
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1465	NADPH oxidase 2-derived superoxide downregulates endothelial KCa3.1 in preeclampsia. <i>Free Radical Biology and Medicine</i> , 2013, 57, 10-21.	1.3	30
1466	Post-treatment of an NADPH oxidase inhibitor prevents seizure-induced neuronal death. <i>Brain Research</i> , 2013, 1499, 163-172.	1.1	61
1467	Hydroxysafflor yellow A suppress oleic acid-induced acute lung injury via protein kinase A. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 895-904.	1.3	18
1468	Ofloxacin induces apoptosis via β 1 integrin-EGFR-Rac1-Nox2 pathway in microencapsulated chondrocytes. <i>Toxicology and Applied Pharmacology</i> , 2013, 267, 74-87.	1.3	20
1469	Diphenyleiodonium protects preoligodendrocytes against endotoxin-activated microglial NADPH oxidase-generated peroxynitrite in a neonatal rat model of periventricular leukomalacia. <i>Brain Research</i> , 2013, 1492, 108-121.	1.1	8
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1473	Redox-sensitive probes for the measurement of redox chemistries within phagosomes of macrophages and dendritic cells. <i>Redox Biology</i> , 2013, 1, 467-474.	3.9	17
1474	Conjugated equine estrogen treatment corrected the exacerbated aorta oxidative stress in ovariectomized spontaneously hypertensive rats. <i>Steroids</i> , 2013, 78, 341-346.	0.8	34
1475	The effect of NADPH-oxidase inhibitor apocynin on cognitive impairment induced by moderate lateral fluid percussion injury: Role of inflammatory and oxidative brain damage. <i>Neurochemistry International</i> , 2013, 63, 583-593.	1.9	60
1476	Spinal sigma-1 receptors activate NADPH oxidase 2 leading to the induction of pain hypersensitivity in mice and mechanical allodynia in neuropathic rats. <i>Pharmacological Research</i> , 2013, 74, 56-67.	3.1	49
1477	Paeoniflorin protects against ANIT-induced cholestasis by ameliorating oxidative stress in rats. <i>Food and Chemical Toxicology</i> , 2013, 58, 242-248.	1.8	67
1478	Coordinated role of voltage-gated sodium channels and the Na ⁺ /H ⁺ exchanger in sustaining microglial activation during inflammation. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 355-364.	1.3	28
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1480	NADPH-oxidase 2 activation promotes opioid-induced antinociceptive tolerance in mice. <i>Neuroscience</i> , 2013, 241, 1-9.	1.1	28
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1486	Nitroarachidonic acid prevents NADPH oxidase assembly and superoxide radical production in activated macrophages. <i>Free Radical Biology and Medicine</i> , 2013, 58, 126-133.	1.3	35
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#	ARTICLE	IF	CITATIONS
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1490	Plasma Membrane Electron Pathways and Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2163-2183.	2.5	39
1491	Redox Control of Leukemia: From Molecular Mechanisms to Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1349-1383.	2.5	114
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1493	Elevated NADPH oxidase activity contributes to oxidative stress and cell death in Huntington's disease. <i>Human Molecular Genetics</i> , 2013, 22, 1112-1131.	1.4	87
1494	Cysteine-Mediated Redox Signaling: Chemistry, Biology, and Tools for Discovery. <i>Chemical Reviews</i> , 2013, 113, 4633-4679.	23.0	941
1495	Resveratrol ameliorates ionizing irradiation-induced long-term hematopoietic stem cell injury in mice. <i>Free Radical Biology and Medicine</i> , 2013, 54, 40-50.	1.3	153
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1500	Cytoplasmic Protein Tyrosine Kinases. <i>Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems</i> , 2013, , 137-173.	0.1	9
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1504	Cytosolic Protein Phosphatases. <i>Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems</i> , 2013, , 387-463.	0.1	0
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1511	L-arginine-nitric oxide pathway and oxidative stress in plasma and platelets of patients with pre-eclampsia. <i>Hypertension Research</i> , 2013, 36, 783-788.	1.5	62
1512	Protective effects of exogenous gangliosides on ROS-induced changes in human spermatozoa. <i>Asian Journal of Andrology</i> , 2013, 15, 375-381.	0.8	23
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1517	Reactive oxygen species produced by NADPH oxidase and mitochondrial dysfunction in lung after an acute exposure to Residual Oil Fly Ashes. <i>Toxicology and Applied Pharmacology</i> , 2013, 270, 31-38.	1.3	37
1518	Nox4 and diabetic nephropathy: With a friend like this, who needs enemies?. <i>Free Radical Biology and Medicine</i> , 2013, 61, 130-142.	1.3	104
1519	Mitochondrial Fatty Acid Oxidation in Obesity. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 269-284.	2.5	175
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1527	The Chemistry of Thiol Oxidation and Detection. , 2013, , 1-42.		26
1528	Tetraspanins in Lower Eukaryotes. , 2013, , 187-201.		1
1529	Apocynin, an NADPH oxidase inhibitor, suppresses progression of prostate cancer via Rac1 dephosphorylation. <i>Experimental and Toxicologic Pathology</i> , 2013, 65, 1035-1041.	2.1	38
1530	Diapocynin prevents early Parkinson's disease symptoms in the leucine-rich repeat kinase 2 (LRRK2R1441G) transgenic mouse. <i>Neuroscience Letters</i> , 2013, 549, 57-62.	1.0	35
1531	Calcium Entry and \hat{A} -Synuclein Inclusions Elevate Dendritic Mitochondrial Oxidant Stress in Dopaminergic Neurons. <i>Journal of Neuroscience</i> , 2013, 33, 10154-10164.	1.7	174
1532	Bridged tetrahydroisoquinolines as selective NADPH oxidase 2 (Nox2) inhibitors. <i>MedChemComm</i> , 2013, 4, 1085.	3.5	33
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1535	Oxidative Stress and Pathological Changes After Coronary Artery Interventions. <i>Journal of the American College of Cardiology</i> , 2013, 61, 1471-1481.	1.2	95
1536	Redox signaling in cardiovascular health and disease. <i>Free Radical Biology and Medicine</i> , 2013, 61, 473-501.	1.3	172
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1539	Copper(II) mixed chelate compounds induce apoptosis through reactive oxygen species in neuroblastoma cell line CHP-212. <i>Journal of Inorganic Biochemistry</i> , 2013, 126, 17-25.	1.5	41
1540	Mitochondrial dynamics modulate the expression of pro \hat{a} inflammatory mediators in microglial cells. <i>Journal of Neurochemistry</i> , 2013, 127, 221-232.	2.1	211
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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1835	Nox Enzymes and New Thinking on Reactive Oxygen: A Double-Edged Sword Revisited. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2014, 9, 119-145.	9.6	389
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2013	NADPH Oxidases as Therapeutic Targets in Chronic Myelogenous Leukemia. <i>Clinical Cancer Research</i> , 2014, 20, 4014-4025.	3.2	42
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2084	Regulation of cytoskeletal dynamics by redox signaling and oxidative stress: implications for neuronal development and trafficking. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 381.	1.8	176
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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2994	VLDL Induced Modulation of Nitric Oxide Signalling and Cell Redox Homeostasis in HUVEC. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-15.	1.9	8
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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3104	The Warburg Effect in Diabetic Kidney Disease. <i>Seminars in Nephrology</i> , 2018, 38, 111-120.	0.6	75
3105	Reactive Oxygen Species in Metabolic and Inflammatory Signaling. <i>Circulation Research</i> , 2018, 122, 877-902.	2.0	1,212
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3108	Omega-3 fatty acid supplement reduces activation of NADPH oxidase in intracranial atherosclerosis stenosis. <i>Neurological Research</i> , 2018, 40, 499-507.	0.6	12
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#	ARTICLE	IF	CITATIONS
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3117	The effect of carbon irradiation is associated with greater oxidative stress in mouse intestine and colon relative to I^{13} -rays. <i>Free Radical Research</i> , 2018, 52, 556-567.	1.5	13
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3122	Reactive oxygen species: key regulators in vascular health and diseases. <i>British Journal of Pharmacology</i> , 2018, 175, 1279-1292.	2.7	213
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#	ARTICLE	IF	CITATIONS
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3136	<i>hace1</i> Influences zebrafish cardiac development via ROS-dependent mechanisms. <i>Developmental Dynamics</i> , 2018, 247, 289-303.	0.8	17
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3141	Neutrophil Activation During Septic Shock. <i>Shock</i> , 2018, 49, 371-384.	1.0	45
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3144	Allelic variation partially regulates galactose-dependent hydrogen peroxide release from circulating hemocytes of the snail <i>Biomphalaria glabrata</i> . <i>Fish and Shellfish Immunology</i> , 2018, 72, 111-116.	1.6	11
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#	ARTICLE	IF	CITATIONS
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3153	Anti-oxidants correct disturbance of redox enzymes in the hearts of rat fetuses with congenital diaphragmatic hernia. <i>Pediatric Surgery International</i> , 2018, 34, 307-313.	0.6	2
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3162	Antioxidant Vitamins and Ageing. <i>Sub-Cellular Biochemistry</i> , 2018, 90, 1-23.	1.0	36
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3164	Identification of Small Peptides that Inhibit NADPH Oxidase (Nox2) Activation. <i>Antioxidants</i> , 2018, 7, 181.	2.2	9
3165	Bovine neutrophils form extracellular traps in response to the gastrointestinal parasite <i>Ostertagia ostertagi</i> . <i>Scientific Reports</i> , 2018, 8, 17598.	1.6	30
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3167	Morphological Aspects of Monocyte/Macrophage Polarization on Biopolymer Scaffolds in Atherosclerosis Patients. <i>Journal of Biotechnology & Biomaterials</i> , 2018, 08, .	0.3	1
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#	ARTICLE	IF	CITATIONS
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3171	The Plasma Membrane: A Platform for Intra- and Intercellular Redox Signaling. <i>Antioxidants</i> , 2018, 7, 168.	2.2	61
3172	Hydrogen Peroxide and Redox Regulation of Developments. <i>Antioxidants</i> , 2018, 7, 159.	2.2	59
3173	Mice Deficient in <i>Cyp4a14</i> Have An Increased Number of Goblet Cells and Attenuated Dextran Sulfate Sodium-Induced Colitis. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 2272-2282.	1.1	5
3174	Reactive Oxygen Species at High Altitude (Hypobaric Hypoxia) on the Cardiovascular System. , 2018, , .		1
3175	Microglial glutamate release evoked by α -synuclein aggregates is prevented by dopamine. <i>Glia</i> , 2018, 66, 2353-2365.	2.5	39
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#	ARTICLE	IF	CITATIONS
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3468	Methods for Detection of NOX-Derived Superoxide Radical Anion and Hydrogen Peroxide in Cells. <i>Methods in Molecular Biology</i> , 2019, 1982, 233-241.	0.4	9
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3476	Genome-wide mining of respiratory burst homologs and its expression in response to biotic and abiotic stresses in <i>Triticum aestivum</i> . <i>Genes and Genomics</i> , 2019, 41, 1027-1043.	0.5	17
3477	Preceding exercise and postprandial hypertriglyceridemia: effects on lymphocyte cell DNA damage and vascular inflammation. <i>Lipids in Health and Disease</i> , 2019, 18, 125.	1.2	7
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3479	CXCL1 promotes the proliferation of neural stem cells by stimulating the generation of reactive oxygen species in APP/PS1 mice. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 201-206.	1.0	21

#	ARTICLE	IF	CITATIONS
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3481	ERK Pathway in Activated, Myofibroblast-Like, Hepatic Stellate Cells: A Critical Signaling Crossroad Sustaining Liver Fibrosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2700.	1.8	72
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3483	Reactive oxygen species: The signal regulator of B cell. <i>Free Radical Biology and Medicine</i> , 2019, 142, 16-22.	1.3	31
3484	Emerging Roles of Redox-Mediated Angiogenesis and Oxidative Stress in Dermatoses. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	36
3485	High-Throughput Screening of NOX Inhibitors. <i>Methods in Molecular Biology</i> , 2019, 1982, 429-446.	0.4	10
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3487	A novel NADPH oxidase inhibitor targeting Nox4 in TGFβ ² -induced lens epithelial to mesenchymal transition. <i>Experimental Eye Research</i> , 2019, 185, 107692.	1.2	11
3488	Focus on Early Events: Pathogenesis of Pulmonary Arterial Hypertension Development. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 933-953.	2.5	40
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3490	Mitochondrial Entry of Cytotoxic Proteases: A New Insight into the Granzyme B Cell Death Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	23
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3493	Mechanism of Apoptosis Induced by Curcumin in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2454.	1.8	103
3494	Ablation of B1- and B2-kinin receptors causes cardiac dysfunction through redox-nitroso unbalance. <i>Life Sciences</i> , 2019, 228, 121-127.	2.0	3
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#	ARTICLE	IF	CITATIONS
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3499	Temporal and spatial profile of polymorphonuclear myeloid-derived suppressor cells (PMN-MDSCs) in ischemic stroke in mice. <i>PLoS ONE</i> , 2019, 14, e0215482.	1.1	20
3500	Rho GTPases are Emerging Regulators of Glucose Homeostasis and Metabolic Health. <i>Cells</i> , 2019, 8, 434.	1.8	44
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3503	Comparison between 'Fuyan' and 'Dongbi' longans in aril breakdown and respiration metabolism. <i>Postharvest Biology and Technology</i> , 2019, 153, 176-182.	2.9	43
3504	Cationic Liposomes Cause ROS Generation and Release of Neutrophil Extracellular Traps. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2019, 13, 40-49.	0.3	3
3505	Starvation-induced autophagy is up-regulated via ROS-mediated ClC-3 chloride channel activation in the nasopharyngeal carcinoma cell line CNE-2Z. <i>Biochemical Journal</i> , 2019, 476, 1323-1333.	1.7	7
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3507	NADPH oxidase is a primary target for antioxidant effects by inorganic nitrite in lipopolysaccharide-induced oxidative stress in mice and in macrophage cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 89, 46-53.	1.2	13
3508	Structure and mechanisms of ROS generation by NADPH oxidases. <i>Current Opinion in Structural Biology</i> , 2019, 59, 91-97.	2.6	125
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3510	Chronic mild stress induced anxiety-like behaviors can be attenuated by inhibition of NOX2-derived oxidative stress. <i>Journal of Psychiatric Research</i> , 2019, 114, 55-66.	1.5	23
3511	A Doubly-Quenched Fluorescent Probe for Low-Background Detection of Mitochondrial H ₂ O ₂ . <i>Analytical Chemistry</i> , 2019, 91, 6902-6909.	3.2	71
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3513	Morin enhances auranofin anticancer activity by up-regulation of DR4 and DR5 and modulation of Bcl-2 through reactive oxygen species generation in Hep3B human hepatocellular carcinoma cells. <i>Phytotherapy Research</i> , 2019, 33, 1384-1393.	2.8	25
3514	Polychlorinated biphenyls promote cell survival through pyruvate kinase M2-dependent glycolysis in HeLa cells. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 428-437.	1.3	8
3515	Propofol Alleviates DNA Damage Induced by Oxygen Glucose Deprivation and Reperfusion via FoxO1 Nuclear Translocation in H9c2 Cells. <i>Frontiers in Physiology</i> , 2019, 10, 223.	1.3	11

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3517	Editorial: Oxidants and Redox Signaling in Inflammation. <i>Frontiers in Immunology</i> , 2019, 10, 545.	2.2	6
3518	Regulation of Smooth Muscle Cell Proliferation by NADPH Oxidases in Pulmonary Hypertension. <i>Antioxidants</i> , 2019, 8, 56.	2.2	20
3519	Correlation between hepatic oxidative damage and clinical severity and mitochondrial gene sequencing results in biliary atresia. <i>Hepatology Research</i> , 2019, 49, 695-704.	1.8	10
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3522	Reactive oxygen species and cancer: A complex interaction. <i>Cancer Letters</i> , 2019, 452, 132-143.	3.2	154
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3524	Counteraction of HCV-Induced Oxidative Stress Concur to Establish Chronic Infection in Liver Cell Cultures. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	21
3525	Mutation in NADPH oxidase 3 (NOX3) impairs SHH signaling and increases cerebellar neural stem/progenitor cell proliferation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1502-1515.	1.8	10
3526	NADPH oxidase 2 inhibitors CPP11G and CPP11H attenuate endothelial cell inflammation & vessel dysfunction and restore mouse hind-limb flow. <i>Redox Biology</i> , 2019, 22, 101143.	3.9	37
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3528	The NADPH Oxidases Nox1 and Nox2 Differentially Regulate Volatile Organic Compounds, Fungistatic Activity, Plant Growth Promotion and Nutrient Assimilation in <i>Trichoderma atroviride</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3271.	1.5	31
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3532	Corneal oxidative damage in keratoconus cells due to decreased oxidant elimination from modified expression levels of SOD enzymes, PRDX6, SCARA3, CPSF3, and FOXM1. <i>Journal of Ophthalmic and Vision Research</i> , 2019, 14, 62.	0.7	26
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3536	Quantitative proteomics suggest a potential link between early embryonic death and trisomy 16. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1116.	0.1	3
3537	Reactive oxygen species: a volatile driver of field cancerization and metastasis. <i>Molecular Cancer</i> , 2019, 18, 65.	7.9	197
3538	<i>Anopheles stephensi</i> Dual Oxidase Silencing Activates the Thioester-Containing Protein 1 Pathway to Suppress <i>Plasmodium</i> Development. <i>Journal of Innate Immunity</i> , 2019, 11, 496-505.	1.8	11
3539	Mechanisms of Human Innate Immune Evasion by <i>Toxoplasma gondii</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 103.	1.8	101
3540	TRPC channels: Regulation, dysregulation and contributions to chronic kidney disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1041-1066.	1.8	50
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3542	LC3-associated phagocytosis at a glance. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	144
3543	BIAM switch assay coupled to mass spectrometry identifies novel redox targets of NADPH oxidase 4. <i>Redox Biology</i> , 2019, 21, 101125.	3.9	13
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3548	NADPH Oxidase 1 in Liver Macrophages Promotes Inflammation and Tumor Development in Mice. <i>Gastroenterology</i> , 2019, 156, 1156-1172.e6.	0.6	72
3549	NADPH Oxidase (Rboh) Activity is Up Regulated during Sweet Pepper (<i>Capsicum annuum</i> L.) Fruit Ripening. <i>Antioxidants</i> , 2019, 8, 9.	2.2	61
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3551	Mitochondrial reactive oxygen species enable proinflammatory signaling through disulfide linkage of NEMO. <i>Science Signaling</i> , 2019, 12, .	1.6	69
3552	Purple Sweet Potato Color Attenuates Kidney Damage by Blocking VEGFR2/ROS/NLRP3 Signaling in High-Fat Diet-Treated Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-16.	1.9	14

#	ARTICLE	IF	CITATIONS
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3554	The emulsion made with essential oil and aromatic water from <i>Oliveria decumbens</i> protects murine macrophages from LPS-induced oxidation and exerts relevant radical scavenging activities. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 538-544.	1.5	14
3555	HACE1, an E3 Ubiquitin Protein Ligase, Mitigates Kaposi's Sarcoma-Associated Herpesvirus Infection-Induced Oxidative Stress by Promoting Nrf2 Activity. <i>Journal of Virology</i> , 2019, 93, .	1.5	13
3556	Iron accentuated reactive oxygen species release by NADPH oxidase in activated microglia contributes to oxidative stress in vitro. <i>Journal of Neuroinflammation</i> , 2019, 16, 41.	3.1	79
3557	Zebrafish <i>duox2</i> mutations provide a model for human congenital hypothyroidism. <i>Biology Open</i> , 2019, 8, .	0.6	20
3558	Pharmacological strategies to lower crosstalk between nicotinamide adenine dinucleotide phosphate (NADPH) oxidase and mitochondria. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 1478-1498.	2.5	37
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3561	A thermodynamically-constrained mathematical model for the kinetics and regulation of NADPH oxidase 2 complex-mediated electron transfer and superoxide production. <i>Free Radical Biology and Medicine</i> , 2019, 134, 581-597.	1.3	13
3562	Ludartin exhibits therapeutic effect on spinal cord injury through inhibition of apoptosis and inflammation. <i>Bangladesh Journal of Pharmacology</i> , 2019, 14, 54-60.	0.1	2
3563	Malarial Pathophysiology and Phytochemical Interventions: A Current Discourse on Oxidative Stress Anti-Disease Phytotherapeutics. , 2019, , .		0
3564	IL-4 and IL-17A Cooperatively Promote Hydrogen Peroxide Production, Oxidative DNA Damage, and Upregulation of Dual Oxidase 2 in Human Colon and Pancreatic Cancer Cells. <i>Journal of Immunology</i> , 2019, 203, 2532-2544.	0.4	24
3565	The Effects of Postoperative Astaxanthin Administration on Nasal Mucosa Wound Healing. <i>Journal of Clinical Medicine</i> , 2019, 8, 1941.	1.0	6
3567	Reaction rate of pyruvate and hydrogen peroxide: assessing antioxidant capacity of pyruvate under biological conditions. <i>Scientific Reports</i> , 2019, 9, 19568.	1.6	47
3568	Folate and Inflammation – links between folate and features of inflammatory conditions. <i>Journal of Nutrition & Intermediary Metabolism</i> , 2019, 18, 100104.	1.7	26
3569	The Role of Oxidative Stress in Common Risk Factors and Mechanisms of Cardio-Cerebrovascular Ischemia and Depression. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	31
3570	4. Redox-Responsive Self-Assembled Amphiphilic Materials: Review and Application to Biological Systems. , 2019, , 113-142.		0
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#	ARTICLE	IF	CITATIONS
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3574	Sirtuin 3 deficiency does not impede digit regeneration in mice. <i>Scientific Reports</i> , 2019, 9, 16491.	1.6	13
3575	NOX2-Dependent Reactive Oxygen Species Regulate Formyl-Peptide Receptor 1-Mediated TrkA Transactivation in SH-SY5Y Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-17.	1.9	22
3576	Reduced Apoptotic Injury by Phenothiazine in Ischemic Stroke through the NOX-Akt/PKC Pathway. <i>Brain Sciences</i> , 2019, 9, 378.	1.1	11
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3578	LPS-Induced Systemic Neonatal Inflammation: Blockage of P2X7R by BBG Decreases Mortality on Rat Pups and Oxidative Stress in Hippocampus of Adult Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 240.	1.0	15
3579	CD40 induces renal cell carcinoma-specific differential regulation of TRAF proteins, ASK1 activation and JNK/p38-mediated, ROS-dependent mitochondrial apoptosis. <i>Cell Death Discovery</i> , 2019, 5, 148.	2.0	16
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3581	The Role of Reactive Oxygen Species in Acute Myeloid Leukaemia. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6003.	1.8	92
3582	Cytotoxicity-Related Bioeffects Induced by Nanoparticles: The Role of Surface Chemistry. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 414.	2.0	76
3583	Hepatitis E Virus Induces Brain Injury Probably Associated With Mitochondrial Apoptosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 433.	1.8	17
3584	Mitochondria-related reversal of early-stage diabetic nephropathy in donor kidney after transplantation in mice. <i>Annals of Translational Medicine</i> , 2019, 7, 801-801.	0.7	4
3585	Modulation of the monocyte/macrophage system in heart failure by targeting heme oxygenase-1. <i>Vascular Pharmacology</i> , 2019, 112, 79-90.	1.0	24
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3587	Superoxide anions modulate the performance of apelin in the paraventricular nucleus on sympathetic activity and blood pressure in spontaneously hypertensive rats. <i>Peptides</i> , 2019, 121, 170051.	1.2	9
3588	Apocynin alters redox signaling in conductance and resistance vessels of spontaneously hypertensive rats. <i>Free Radical Biology and Medicine</i> , 2019, 134, 53-63.	1.3	9
3589	Amputation-induced reactive oxygen species signaling is required for axolotl tail regeneration. <i>Developmental Dynamics</i> , 2019, 248, 189-196.	0.8	35

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3591	<i>Achyranthes bidentata</i> polypeptides promotes migration of Schwann cells via NOX4/DUOX2-dependent ROS production in rats. <i>Neuroscience Letters</i> , 2019, 696, 99-107.	1.0	3
3592	Î³-Mangostin alleviates liver fibrosis through Sirtuin 3-superoxide-high mobility group box 1 signaling axis. <i>Toxicology and Applied Pharmacology</i> , 2019, 363, 142-153.	1.3	16
3593	Inhibiting inflammation and modulating oxidative stress in oxalate-induced nephrolithiasis with the Nrf2 activator dimethyl fumarate. <i>Free Radical Biology and Medicine</i> , 2019, 134, 9-22.	1.3	44
3594	Nitric oxide protected against NADPH oxidase-derived superoxide generation in vascular endothelium: Critical role for heme oxygenase-1. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 549-554.	3.6	15
3595	Cholangiocyte death in ductopenic cholestatic cholangiopathies: Mechanistic basis and emerging therapeutic strategies. <i>Life Sciences</i> , 2019, 218, 324-339.	2.0	14
3596	Modulation of Î±-adrenoceptor signalling protects photoreceptors after retinal detachment by inhibiting oxidative stress and inflammation. <i>British Journal of Pharmacology</i> , 2019, 176, 801-813.	2.7	18
3597	Protective Role of Polyphenols against Vascular Inflammation, Aging and Cardiovascular Disease. <i>Nutrients</i> , 2019, 11, 53.	1.7	167
3598	Adipose oxidative stress and protein carbonylation. <i>Journal of Biological Chemistry</i> , 2019, 294, 1083-1088.	1.6	111
3599	Cell Volume-Activated and Volume-Correlated Anion Channels in Mammalian Cells: Their Biophysical, Molecular, and Pharmacological Properties. <i>Pharmacological Reviews</i> , 2019, 71, 49-88.	7.1	61
3600	Alga diet formulation "An attempt to reduce oxidative stress during broodstock conditioning of Pacific oysters. <i>Aquaculture</i> , 2019, 500, 540-549.	1.7	8
3601	Exercise during transition from compensated left ventricular hypertrophy to heart failure in aortic stenosis rats. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1235-1245.	1.6	29
3602	Telomere length and redox balance in master endurance runners: The role of nitric oxide. <i>Experimental Gerontology</i> , 2019, 117, 113-118.	1.2	24
3603	Control and dysregulation of redox signalling in the gastrointestinal tract. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 106-120.	8.2	118
3604	Abrogation of transforming growth factor-Î²-induced tissue fibrosis in mice with a global genetic deletion of Nox4. <i>Laboratory Investigation</i> , 2019, 99, 470-482.	1.7	19
3605	Physiological Role of Reactive Oxygen Species in Male Reproduction. , 2019, , 65-78.		5
3606	Behçet's syndrome as a tool to dissect the mechanisms of thrombo-inflammation: clinical and pathogenetic aspects. <i>Clinical and Experimental Immunology</i> , 2019, 195, 322-333.	1.1	41
3607	Redox signaling and unfolded protein response coordinate cell fate decisions under ER stress. <i>Redox Biology</i> , 2019, 25, 101047.	3.9	220

#	ARTICLE	IF	CITATIONS
3608	Screening of biopolymeric materials for cardiovascular surgery toxicityâ€”Evaluation of their surface relief with assessment of morphological aspects of monocyte/macrophage polarization in atherosclerosis patients. <i>Toxicology Reports</i> , 2019, 6, 74-90.	1.6	5
3609	NADPH Oxidase 4 Regulates Inflammation in Ischemic Heart Failure: Role of Soluble Epoxide Hydrolase. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 39-58.	2.5	24
3610	Contribution of Oxidative Stress and Impaired Biogenesis of Pancreatic Î²-Cells to Type 2 Diabetes. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 722-751.	2.5	50
3611	Oxidative activation of type III CD38 by NADPH oxidaseâ€”derived hydrogen peroxide in Ca ²⁺ signaling. <i>FASEB Journal</i> , 2019, 33, 3404-3419.	0.2	18
3612	Mechanisms of Blood-Brain Barrier Disruption in Herpes Simplex Encephalitis. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 157-172.	2.1	47
3613	Apocynin alleviates cisplatinâ€”induced testicular cytotoxicity by regulating oxidative stress and apoptosis in rats. <i>Andrologia</i> , 2019, 51, e13227.	1.0	31
3614	Metabolic and Nutritional Complications of Acute Kidney Injury. , 2019, , 698-712.e6.		0
3615	Periprostatic Adipose Tissue Favors Prostate Cancer Cell Invasion in an Obesity-Dependent Manner: Role of Oxidative Stress. <i>Molecular Cancer Research</i> , 2019, 17, 821-835.	1.5	76
3616	NOX 1/ NADPH oxidase regulates the expression of multidrug resistanceâ€”associated protein 1 and maintains intracellular glutathione levels. <i>FEBS Journal</i> , 2019, 286, 678-687.	2.2	8
3617	The slow force response to stretch: Controversy and contradictions. <i>Acta Physiologica</i> , 2019, 226, e13250.	1.8	17
3618	When safeguarding goes wrong: Impact of oxidative stress on protein homeostasis in health and neurodegenerative disorders. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 114, 221-264.	1.0	13
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3757	Neuroprotective effects of natural compounds on neurotoxin-induced oxidative stress and cell apoptosis. <i>Nutritional Neuroscience</i> , 2022, 25, 1078-1099.	1.5	32
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3759	Optical spectroscopy and microscopy techniques for assessment of neurological diseases. <i>Applied Spectroscopy Reviews</i> , 2020, , 1-40.	3.4	2
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3769	Synthesis, characterization and in vitro biological evaluation of novel organotin(IV) compounds with derivatives of 2-(5-arylidene-2,4-dioxothiazolidin-3-yl)propanoic acid. <i>Journal of Inorganic Biochemistry</i> , 2020, 211, 111207.	1.5	13
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3772	Asbestos conceives Fe(II)-dependent mutagenic stromal milieu through ceaseless macrophage ferroptosis and I ² -catenin induction in mesothelium. <i>Redox Biology</i> , 2020, 36, 101616.	3.9	30
3773	Development of Novel Experimental Models to Study Flavoproteome Alterations in Human Neuromuscular Diseases: The Effect of Rf Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5310.	1.8	14
3774	Acute antioxidant and cytoprotective effects of sulforaphane in brain endothelial cells and astrocytes during inflammation and excitotoxicity. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00630.	1.1	6
3775	IFI6 depletion inhibits esophageal squamous cell carcinoma progression through reactive oxygen species accumulation via mitochondrial dysfunction and endoplasmic reticulum stress. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 144.	3.5	48
3776	Liraglutide Ameliorates Erectile Dysfunction via Regulating Oxidative Stress, the RhoA/ROCK Pathway and Autophagy in Diabetes Mellitus. <i>Frontiers in Pharmacology</i> , 2020, 11, 1257.	1.6	41
3777	Activation of ERK1/2-mTORC1-NOX4 mediates TGF- β 1-induced epithelial-mesenchymal transition and fibrosis in retinal pigment epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 747-752.	1.0	20
3778	Dynamic regulation of NADPH oxidase 5 by intracellular heme levels and cellular chaperones. <i>Redox Biology</i> , 2020, 36, 101656.	3.9	12
3779	Methods and models for functional studies on mtDNA mutations. , 2020, , 305-349.		1
3780	Sitagliptin Mitigates Total Body Irradiation-Induced Hematopoietic Injury in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.	1.9	3
3781	ROS Regulate Caspase-Dependent Cell Delamination without Apoptosis in the Drosophila Pupal Notum. <i>IScience</i> , 2020, 23, 101413.	1.9	14
3782	The Influence of Reactive Oxygen Species in the Immune System and Pathogenesis of Multiple Sclerosis. <i>Autoimmune Diseases</i> , 2020, 2020, 1-14.	2.7	56
3783	NOX2 decoy peptides disrupt trauma-mediated neutrophil immunosuppression and protect against lethal peritonitis. <i>Redox Biology</i> , 2020, 36, 101651.	3.9	5
3784	NOX Inhibitors: From Bench to Naxibs to Bedside. <i>Handbook of Experimental Pharmacology</i> , 2020, 264, 145-168.	0.9	38
3785	Excitotoxicity: Still Hammering the Ischemic Brain in 2020. <i>Frontiers in Neuroscience</i> , 2020, 14, 579953.	1.4	117
3786	Reactive Oxygen Species and Oxidative Stress in the Pathogenesis and Progression of Genetic Diseases of the Connective Tissue. <i>Antioxidants</i> , 2020, 9, 1013.	2.2	21
3787	Functional Food XingliuTang Attenuates Alcohol-Induced Liver Injury by Regulating SIRT1/Nrf2 Signaling Pathway. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000619.	1.0	2
3788	Roles of Reactive Oxygen Species in Biological Behaviors of Prostate Cancer. <i>BioMed Research International</i> , 2020, 2020, 1-19.	0.9	30

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3789	Macrophage Regulation of Granulopoiesis and Neutrophil Functions. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 182-191.	2.5	13
3790	Comparative Effects of Pterostilbene and Its Parent Compound Resveratrol on Oxidative Stress and Inflammation in Steatohepatitis Induced by High-Fat High-Fructose Feeding. <i>Antioxidants</i> , 2020, 9, 1042.	2.2	23
3791	Metabolic and Redox Regulation of Cardiovascular Stem Cell Biology and Pathology. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 163-181.	2.5	4
3792	Selective Response to Bacterial Infection by Regulating Siglec-E Expression. <i>IScience</i> , 2020, 23, 101473.	1.9	6
3793	Coinfection with Porcine Circovirus Type 2 (PCV2) and <i>Streptococcus suis</i> Serotype 2 (SS2) Enhances the Survival of SS2 in Swine Tracheal Epithelial Cells by Decreasing Reactive Oxygen Species Production. <i>Infection and Immunity</i> , 2020, 88, .	1.0	5
3794	(Z)-7,4'-dimethoxy-6-hydroxy-aurone-4-O- β -D-glucopyranoside attenuates lipoteichoic acid-induced damage in rat cardiomyoblast cells. <i>Journal of International Medical Research</i> , 2020, 48, 030006051988971.	0.4	1
3795	The Role of NLRP3 Inflammasome in the Pathogenesis of Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6204.	1.8	64
3796	Influence of Resveratrol on the Cardiovascular Health Effects of Chronic Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6294.	1.8	15
3797	Dihydrokaempferol (DHK) ameliorates severe acute pancreatitis (SAP) via Keap1/Nrf2 pathway. <i>Life Sciences</i> , 2020, 261, 118340.	2.0	21
3798	Deletion of NoxO1 limits atherosclerosis development in female mice. <i>Redox Biology</i> , 2020, 37, 101713.	3.9	13
3799	Production of superoxide and hydrogen peroxide in the mitochondrial matrix is dominated by site IQ of complex I in diverse cell lines. <i>Redox Biology</i> , 2020, 37, 101722.	3.9	26
3800	A novel danshensu derivative ameliorates experimental colitis by modulating NADPH oxidase 4-dependent NLRP3 inflammasome activation. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 12955-12969.	1.6	7
3801	<i>Porphyromonas gingivalis</i> adopts intricate and unique molecular mechanisms to survive and persist within the host: a critical update. <i>Journal of Oral Microbiology</i> , 2020, 12, 1801090.	1.2	26
3802	Lipophilic Extract and Tanshinone IIA Derived from <i>Salvia miltiorrhiza</i> Attenuate Uric Acid Nephropathy through Suppressing Oxidative Stress-Activated MAPK Pathways. <i>The American Journal of Chinese Medicine</i> , 2020, 48, 1455-1473.	1.5	14
3803	Insulin-stimulated glucose uptake partly relies on p21-activated kinase (PAK)2, but not PAK1, in mouse skeletal muscle. <i>Journal of Physiology</i> , 2020, 598, 5351-5377.	1.3	15
3804	Geranylgeranyl Transferase-I Knockout Inhibits Oxidative Injury of Vascular Smooth Muscle Cells and Attenuates Diabetes-Accelerated Atherosclerosis. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-14.	1.0	3
3805	Structures of mouse DUOX1 and DUOX1 provide mechanistic insights into enzyme activation and regulation. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1086-1093.	3.6	33
3806	Metabolism Regulation and Redox State: Insight into the Role of Superoxide Dismutase 1. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6606.	1.8	26

#	ARTICLE	IF	CITATIONS
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3808	Chicoric acid attenuates hyperglycemia-induced endothelial dysfunction through AMPK-dependent inhibition of oxidative/nitrative stresses. <i>Journal of Receptor and Signal Transduction Research</i> , 2021, 41, 378-392.	1.3	7
3809	A molecular basis for the anti-inflammatory and anti-fibrosis properties of cannabidiol. <i>FASEB Journal</i> , 2020, 34, 14083-14092.	0.2	41
3810	Roles of Reactive Oxygen Species in Cardiac Differentiation, Reprogramming, and Regenerative Therapies. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	28
3811	MicroRNAs and obesity-induced endothelial dysfunction: key paradigms in molecular therapy. <i>Cardiovascular Diabetology</i> , 2020, 19, 136.	2.7	34
3812	RIPK3-MLKL-Mediated Neutrophil Death Requires Concurrent Activation of Fibroblast Activation Protein-1. <i>Journal of Immunology</i> , 2020, 205, 1653-1663.	0.4	12
3813	When It Comes to an End: Oxidative Stress Crosstalk with Protein Aggregation and Neuroinflammation Induce Neurodegeneration. <i>Antioxidants</i> , 2020, 9, 740.	2.2	52
3814	Oxidants in Physiological Processes. <i>Handbook of Experimental Pharmacology</i> , 2020, 264, 27-47.	0.9	36
3815	An Elegant Four-Helical Fold in NOX and STEAP Enzymes Facilitates Electron Transport across Biomembranes—Similar Vehicle, Different Destination. <i>Accounts of Chemical Research</i> , 2020, 53, 1969-1980.	7.6	18
3816	<p>Associations of Gain in Weight-Related Anthropometric Indices with a Marker of Lipid Peroxidation: A Cohort Study Among Urban Adults in China</p>. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 2877-2887.	1.1	1
3817	In vivo and in silico characterization of apocynin in reducing organ oxidative stress: A pharmacokinetic and pharmacodynamic study. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00635.	1.1	8
3818	Imaging and Profiling of Proteins under Oxidative Conditions in Cells and Tissues by Hydrogen-Peroxide-Responsive Labeling. <i>Journal of the American Chemical Society</i> , 2020, 142, 15711-15721.	6.6	30
3819	Vascular Endothelial Function in Midlife/Older Adults Classified According to 2017 American College of Cardiology/American Heart Association Blood Pressure Guidelines. <i>Journal of the American Heart Association</i> , 2020, 9, e016625.	1.6	11
3820	Oxidative Stress and Vascular Dysfunction in the Retina: Therapeutic Strategies. <i>Antioxidants</i> , 2020, 9, 761.	2.2	53
3821	Î±1-Microglobulin (A1M) Protects Human Proximal Tubule Epithelial Cells from Heme-Induced Damage In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5825.	1.8	16
3823	The Relationship Between Reactive Oxygen Species and Endothelial Cell Metabolism. <i>Frontiers in Chemistry</i> , 2020, 8, 592688.	1.8	55
3824	A Positive Feed Forward Loop between Wnt/Î²-Catenin and NOX4 Promotes Silicon Dioxide-Induced Epithelial-Mesenchymal Transition of Lung Epithelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-16.	1.9	16
3825	Radical Scavenging-Linked Anti-Adipogenic Activity of Aster scaber Ethanolic Extract and Its Bioactive Compound. <i>Antioxidants</i> , 2020, 9, 1290.	2.2	14

#	ARTICLE	IF	CITATIONS
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3827	Microgravity-Induced Cell-to-Cell Junctional Contacts Are Counteracted by Antioxidant Compounds in TCam-2 Seminoma Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8289.	1.3	3
3828	Molecular Mechanisms in Early Diabetic Kidney Disease: Glomerular Endothelial Cell Dysfunction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9456.	1.8	61
3829	Oxidative Stress and Antioxidant Treatments in Cardiovascular Diseases. <i>Antioxidants</i> , 2020, 9, 1292.	2.2	86
3830	NADPH debt drives redox bankruptcy: SLC7A11/xCT-mediated cystine uptake as a double-edged sword in cellular redox regulation. <i>Genes and Diseases</i> , 2021, 8, 731-745.	1.5	57
3831	Inhibition of NADPH Oxidases Activity by Diphenyleneiodonium Chloride as a Mechanism of Senescence Induction in Human Cancer Cells. <i>Antioxidants</i> , 2020, 9, 1248.	2.2	15
3832	Cell senescence: basic mechanisms and the need for computational networks in vascular ageing. <i>Cardiovascular Research</i> , 2021, 117, 1841-1858.	1.8	19
3833	Ginkgetin Alleviates Inflammation, Oxidative Stress, and Apoptosis Induced by Hypoxia/Reoxygenation in H9C2 Cells via Caspase-3 Dependent Pathway. <i>BioMed Research International</i> , 2020, 2020, 1-9.	0.9	7
3834	Highly Stable Pyrimidine Based Luminescent Copper Nanoclusters with Superoxide Dismutase Mimetic and Nitric Oxide Releasing Activity. <i>ACS Applied Bio Materials</i> , 2020, 3, 7454-7461.	2.3	12
3835	Food-Grade TiO ₂ Particles Generate Intracellular Superoxide and Alter Epigenetic Modifiers in Human Lung Cells. <i>Chemical Research in Toxicology</i> , 2020, 33, 2872-2879.	1.7	5
3836	TRPM2 channel-mediated cell death: An important mechanism linking oxidative stress-inducing pathological factors to associated pathological conditions. <i>Redox Biology</i> , 2020, 37, 101755.	3.9	71
3837	Oxidation of ethidium-based probes by biological radicals: mechanism, kinetics and implications for the detection of superoxide. <i>Scientific Reports</i> , 2020, 10, 18626.	1.6	14
3838	Evidence for NADPH oxidase activation by GPR40 in pancreatic Î²-cells. <i>Redox Report</i> , 2020, 25, 41-50.	1.4	5
3839	NADPH oxidases: Pathophysiology and therapeutic potential in age-associated pulmonary fibrosis. <i>Redox Biology</i> , 2020, 33, 101541.	3.9	36
3840	NADPH oxidases and HIF1 promote cardiac dysfunction and pulmonary hypertension in response to glucocorticoid excess. <i>Redox Biology</i> , 2020, 34, 101536.	3.9	11
3841	Overlapping mechanism of the induction of genomic damage by insulin and adrenaline in human promyelocytic HL-60 cells. <i>Toxicology in Vitro</i> , 2020, 66, 104867.	1.1	1
3842	Understanding the Redox Biology of Selenium in the Search of Targeted Cancer Therapies. <i>Antioxidants</i> , 2020, 9, 420.	2.2	29
3843	Oxidative Stress at the Crossroads of Aging, Stroke and Depression. , 2020, 11, 1537.		64

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3845	NADPH oxidase 1 is highly expressed in human large and small bowel cancers. <i>PLoS ONE</i> , 2020, 15, e0233208.	1.1	11
3846	Metabolic and Non-metabolic Roles of Pyruvate Kinase M2 Isoform in Diabetic Retinopathy. <i>Scientific Reports</i> , 2020, 10, 7456.	1.6	12
3847	Modulation of VEGF Expression and Oxidative Stress Response by Iodine Deficiency in Irradiated Cancerous and Non-Cancerous Breast Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3963.	1.8	3
3848	Mitochondria as a target for neuroprotection: role of methylene blue and photobiomodulation. <i>Translational Neurodegeneration</i> , 2020, 9, 19.	3.6	63
3849	Reactive Oxygen Species and Redox Signaling in Chronic Kidney Disease. <i>Cells</i> , 2020, 9, 1342.	1.8	153
3850	Perindopril ameliorates experimental Alzheimer's disease progression: role of amyloid β degradation, central estrogen receptor and hyperlipidemic-lipid raft signaling. <i>Inflammopharmacology</i> , 2020, 28, 1343-1364.	1.9	18
3851	Role of Endoplasmic Reticulum Stress Sensor IRE1 β in Cellular Physiology, Calcium, ROS Signaling, and Metaflammation. <i>Cells</i> , 2020, 9, 1160.	1.8	45
3852	Suppression of the Reactive Oxygen Response Alleviates Experimental Autoimmune Uveitis in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3261.	1.8	10
3853	Role of microRNA-21 and Its Underlying Mechanisms in Inflammatory Responses in Diabetic Wounds. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3328.	1.8	44
3854	The therapeutic potential of BRD4 in cardiovascular disease. <i>Hypertension Research</i> , 2020, 43, 1006-1014.	1.5	27
3855	Targeting the NADPH Oxidase-4 and Liver X Receptor Pathway Preserves Schwann Cell Integrity in Diabetic Mice. <i>Diabetes</i> , 2020, 69, 448-464.	0.3	25
3856	Reactive Oxygen Species, Metabolic Plasticity, and Drug Resistance in Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3412.	1.8	50
3857	The renal antioxidative effect of losartan involves heat shock protein 70 in proximal tubule cells. <i>Cell Stress and Chaperones</i> , 2020, 25, 753-766.	1.2	5
3858	Nanoelectrodes for intracellular measurements of reactive oxygen and nitrogen species in single living cells. <i>Current Opinion in Electrochemistry</i> , 2020, 22, 44-50.	2.5	35
3859	Cognitive enhancing effect of diapocynin in D-galactose-ovariectomy-induced Alzheimer's-like disease in rats: Role of ERK, GSK-3 β , and JNK signaling. <i>Toxicology and Applied Pharmacology</i> , 2020, 398, 115028.	1.3	20
3860	Lung macrophages: current understanding of their roles in Ozone-induced lung diseases. <i>Critical Reviews in Toxicology</i> , 2020, 50, 310-323.	1.9	6
3861	Redox-Modulating Agents in the Treatment of Viral Infections. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4084.	1.8	85

#	ARTICLE	IF	CITATIONS
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3863	High Concentrations of Uric Acid and Angiotensin II Act Additively to Produce Endothelial Injury. <i>Mediators of Inflammation</i> , 2020, 2020, 1-11.	1.4	13
3864	Alterations in the Antioxidant Enzyme Activities in the Neurodevelopmental Rat Model of Schizophrenia Induced by Glutathione Deficiency during Early Postnatal Life. <i>Antioxidants</i> , 2020, 9, 538.	2.2	19
3865	Induction of apoptosis in Ogg1-null mouse embryonic fibroblasts by GSH depletion is independent of DNA damage. <i>Toxicology Letters</i> , 2020, 332, 27-35.	0.4	3
3866	Inhibition of NADPH oxidase alleviates germ cell apoptosis and ER stress during testicular ischemia reperfusion injury. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2174-2184.	1.8	11
3867	Nitrosative Stress and Its Association with Cardiometabolic Disorders. <i>Molecules</i> , 2020, 25, 2555.	1.7	61
3868	DNA-based fluorescent probes of NOS2 activity in live brains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14694-14702.	3.3	32
3869	ROS regulation of RAS and vulva development in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2020, 16, e1008838.	1.5	14
3870	<p>Silver Nanoparticle-Induced Apoptosis in ARPE-19 Cells Is Inhibited by Toxoplasma gondii Pre-Infection Through Suppression of NOX4-Dependent ROS Generation<p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3695-3716.	3.3	22
3871	<p>Mechanism of the Regulatory Effect of Overexpression of circMTO1 on Proliferation and Apoptosis of Hepatoma Cells via miR-9-5p/NOX4 Axis</p>. <i>Cancer Management and Research</i> , 2020, Volume 12, 3915-3925.	0.9	10
3872	Effects of sulforaphane on brain mitochondria: mechanistic view and future directions. <i>Journal of Zhejiang University: Science B</i> , 2020, 21, 263-279.	1.3	16
3873	Nox4 â€“ RyR1 â€“ Nox2: Regulators of micro-domain signaling in skeletal muscle. <i>Redox Biology</i> , 2020, 36, 101557.	3.9	25
3874	Hyperhomocysteinemia-Induced Oxidative Stress Aggravates Renal Damage in Hypertensive Rats. <i>American Journal of Hypertension</i> , 2020, 33, 1127-1135.	1.0	6
3875	The Antioxidant Rosmarinic Acid Ameliorates Oxidative Lung Damage in Experimental Allergic Asthma via Modulation of NADPH Oxidases and Antioxidant Enzymes. <i>Inflammation</i> , 2020, 43, 1902-1912.	1.7	24
3876	GKT136901 protects primary human brain microvascular endothelial cells against methamphetamine-induced blood-brain barrier dysfunction. <i>Life Sciences</i> , 2020, 256, 117917.	2.0	7
3877	MicroRNA-182-5p protects human lens epithelial cells against oxidative stress-induced apoptosis by inhibiting NOX4 and p38 MAPK signalling. <i>BMC Ophthalmology</i> , 2020, 20, 233.	0.6	16
3878	MicroRNA and ROS Crosstalk in Cardiac and Pulmonary Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4370.	1.8	81
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#	ARTICLE	IF	CITATIONS
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3881	Improvement of Inflammation through Antioxidant Pathway of Gardeniae Fructus 50% EtOH Extract (GE) from Acute Reflux Esophagitis Rats. BioMed Research International, 2020, 2020, 1-12.	0.9	7
3882	Oxidative Stress and Mitochondrial Abnormalities Contribute to Decreased Endothelial Nitric Oxide Synthase Expression and Renal Disease Progression in Early Experimental Polycystic Kidney Disease. International Journal of Molecular Sciences, 2020, 21, 1994.	1.8	26
3883	Differential Effects of Reactive Oxygen Species on IgG versus IgM Levels in TLR-Stimulated B Cells. Journal of Immunology, 2020, 204, 2133-2142.	0.4	14
3884	Interplay between RNA-binding protein HuR and Nox4 as a novel therapeutic target in diabetic kidney disease. Molecular Metabolism, 2020, 36, 100968.	3.0	35
3885	Antioxidant Effects and Mechanisms of Medicinal Plants and Their Bioactive Compounds for the Prevention and Treatment of Type 2 Diabetes: An Updated Review. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-36.	1.9	138
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3887	Disulfiram suppresses NLRP3 inflammasome activation to treat peritoneal and gouty inflammation. Free Radical Biology and Medicine, 2020, 152, 8-17.	1.3	58
3888	The X-linked trichothiodystrophy-causing gene RNF113A links the spliceosome to cell survival upon DNA damage. Nature Communications, 2020, 11, 1270.	5.8	26
3889	Oxidative Stress in Pulmonary Fibrosis. , 2020, 10, 509-547.		127
3890	Cancer-associated mutations in endometriosis: shedding light on the pathogenesis and pathophysiology. Human Reproduction Update, 2020, 26, 423-449.	5.2	57
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3892	Selenium and selenoproteins: itâ€™s role in regulation of inflammation. Inflammopharmacology, 2020, 28, 667-695.	1.9	310
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3896	miR-155-5p Promotes Oxalate- and Calcium-Induced Kidney Oxidative Stress Injury by Suppressing MGP Expression. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	1.9	21
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#	ARTICLE	IF	CITATIONS
3898	Kidney allograft fibrosis: what we learned from latest translational research studies. <i>Journal of Nephrology</i> , 2020, 33, 1201-1211.	0.9	14
3899	The NADPH oxidase 4 protects vascular endothelial cells from copper oxide nanoparticles-induced oxidative stress and cell death. <i>Life Sciences</i> , 2020, 252, 117571.	2.0	11
3900	Sex differences in redox homeostasis in renal disease. <i>Redox Biology</i> , 2020, 31, 101489.	3.9	17
3901	The Proteomic Landscape of Cysteine Oxidation That Underpins Retinoic Acid-Induced Neuronal Differentiation. <i>Journal of Proteome Research</i> , 2020, 19, 1923-1940.	1.8	12
3902	Iron Metabolism in Cancer Progression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2257.	1.8	65
3903	Impact of Respiratory Syncytial Virus Infection on Host Functions: Implications for Antiviral Strategies. <i>Physiological Reviews</i> , 2020, 100, 1527-1594.	13.1	30
3904	Reactive oxygen species (ROS) as pleiotropic physiological signalling agents. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 363-383.	16.1	2,341
3905	Overexpression of PpSnRK1 $\hat{1}\pm$ in tomato enhanced salt tolerance by regulating ABA signaling pathway and reactive oxygen metabolism. <i>BMC Plant Biology</i> , 2020, 20, 128.	1.6	38
3906	Mechanisms and individuality in chromium toxicity in humans. <i>Journal of Applied Toxicology</i> , 2020, 40, 1183-1197.	1.4	132
3907	An approach to the photocatalytic mechanism in the TiO ₂ -nanomaterials microorganism interface for the control of infectious processes. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118853.	10.8	126
3908	Effect of beta- and alpha-glucans on immune modulating factors expression in enterocyte-like Caco-2 and goblet-like LS 174T cells. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 600-607.	3.6	11
3909	The Rational Design and Biological Mechanisms of Nanoradiosensitizers. <i>Nanomaterials</i> , 2020, 10, 504.	1.9	25
3910	Angiotensin II promotes podocyte injury by activating Arf6-Erk1/2-Nox4 signaling pathway. <i>PLoS ONE</i> , 2020, 15, e0229747.	1.1	19
3911	Carbohydrate and Amino Acid Metabolism as Hallmarks for Innate Immune Cell Activation and Function. <i>Cells</i> , 2020, 9, 562.	1.8	24
3912	Targeting the Redox Landscape in Cancer Therapy. <i>Cancers</i> , 2020, 12, 1706.	1.7	29
3913	Lifestyle, Oxidative Stress, and Antioxidants: Back and Forth in the Pathophysiology of Chronic Diseases. <i>Frontiers in Physiology</i> , 2020, 11, 694.	1.3	833
3914	Zika virus NS1 affects the junctional integrity of human brain microvascular endothelial cells. <i>Biochimie</i> , 2020, 176, 52-61.	1.3	27
3915	Measuring Reactive Sulfur Species and Thiol Oxidation States: Challenges and Cautions in Relation to Alkylation-Based Protocols. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 1174-1189.	2.5	22

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3918	Magnesium isoglycyrrhizinate alleviates fructose-induced liver oxidative stress and inflammatory injury through suppressing NOXs. <i>European Journal of Pharmacology</i> , 2020, 883, 173314.	1.7	13
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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4071	Crosstalk between endoplasmic reticulum stress and oxidative stress: a dynamic duo in multiple myeloma. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3883-3906.	2.4	35
4072	Anti-IL-20 Antibody Protects against Ischemia/Reperfusion-Impaired Myocardial Function through Modulation of Oxidative Injuries, Inflammation and Cardiac Remodeling. <i>Antioxidants</i> , 2021, 10, 275.	2.2	6
4073	NOX4 Mediates <i>Pseudomonas aeruginosa</i> -Induced Nuclear Reactive Oxygen Species Generation and Chromatin Remodeling in Lung Epithelium. <i>Antioxidants</i> , 2021, 10, 477.	2.2	11
4074	Bortezomib activation of mTORC1 pathway mediated by NOX2-driven reactive oxygen species results in apoptosis in primary dorsal root ganglion neurons. <i>Experimental Cell Research</i> , 2021, 400, 112494.	1.2	4
4075	Catalytic activity tunable ceria nanoparticles prevent chemotherapy-induced acute kidney injury without interference with chemotherapeutics. <i>Nature Communications</i> , 2021, 12, 1436.	5.8	139
4077	The Cys Sense: Thiol Redox Switches Mediate Life Cycles of Cellular Proteins. <i>Biomolecules</i> , 2021, 11, 469.	1.8	16
4078	Pathophysiology and Therapeutic Potential of NADPH Oxidases in Ischemic Stroke-Induced Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	1.9	31
4079	5-Hydroxytryptamine Modulates Maturation and Mitochondria Function of Human Oligodendrocyte Progenitor M03-13 Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2621.	1.8	11
4080	In vitro and In vivo Photocatalytic Cancer Therapy with Biocompatible Iridium(III) Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9474-9479.	7.2	89

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4082	Regulation of miRNAs by Natural Antioxidants in Cardiovascular Diseases: Focus on SIRT1 and eNOS. <i>Antioxidants</i> , 2021, 10, 377.	2.2	18
4083	Inâ€vitro and Inâ€vivo Photocatalytic Cancer Therapy with Biocompatible Iridium(III) Photocatalysts. <i>Angewandte Chemie</i> , 2021, 133, 9560-9565.	1.6	24
4084	Endothelial Nox5 Expression Modulates Glucose Uptake and Lipid Accumulation in Mice Fed a High-Fat Diet and 3T3-L1 Adipocytes Treated with Glucose and Palmitic Acid. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2729.	1.8	10
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4089	The Interplay Between Adipose Tissue and Vasculature: Role of Oxidative Stress in Obesity. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 650214.	1.1	28
4090	Retinal Genomic Fabric Remodeling after Optic Nerve Injury. <i>Genes</i> , 2021, 12, 403.	1.0	4
4091	Hepatoprotective Effect of Mixture of Dipropyl Polysulfides in Concanavalin A-Induced Hepatitis. <i>Nutrients</i> , 2021, 13, 1022.	1.7	4
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4094	Increased oxidative stress in elderly leprosy patients is related to age but not to bacillary load. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009214.	1.3	2
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4106	Cudrania tricuspidata Root Extract Prevents Methylglyoxal-Induced Inflammation and Oxidative Stress via Regulation of the PKC-NOX4 Pathway in Human Kidney Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	13
4107	For Better or for Worse: A Look Into Neutrophils in Traumatic Spinal Cord Injury. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 648076.	1.8	35
4108	Contribution of Adipose Tissue Oxidative Stress to Obesity-Associated Diabetes Risk and Ethnic Differences: Focus on Women of African Ancestry. <i>Antioxidants</i> , 2021, 10, 622.	2.2	19
4109	Small-Molecule Inhibitors of Reactive Oxygen Species Production. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5252-5275.	2.9	26
4110	Adverse Effects of Heat Stress on the Intestinal Integrity and Function of Pigs and the Mitigation Capacity of Dietary Antioxidants: A Review. <i>Animals</i> , 2021, 11, 1135.	1.0	17
4111	Rho GTPase regulation of reactive oxygen species generation and signalling in platelet function and disease. <i>Small GTPases</i> , 2021, 12, 440-457.	0.7	7
4112	Overview of the Neuroprotective Effects of the MAO-Inhibiting Antidepressant Phenelzine. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 225-242.	1.7	15
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4114	Role of Oxidative DNA Damage and Repair in Atrial Fibrillation and Ischemic Heart Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3838.	1.8	25
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4131	Inhibition of skin fibrosis in systemic sclerosis by botulinum toxin B via the suppression of oxidative stress. Journal of Dermatology, 2021, 48, 1052-1061.	0.6	3
4132	Acute and Sub-Chronic Effects of Microplastics (3 and 10 µm) on the Human Intestinal Cells HT-29. International Journal of Environmental Research and Public Health, 2021, 18, 5833.	1.2	46
4133	Neuroprotective roles of HAX-1 in ischemic neuronal injury. Experimental Neurology, 2021, 339, 113642.	2.0	0
4134	The Role of NADPH Oxidase in Neuronal Death and Neurogenesis after Acute Neurological Disorders. Antioxidants, 2021, 10, 739.	2.2	13
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#	ARTICLE	IF	CITATIONS
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4138	Anti-Inflammatory Effect of Auranofin on Palmitic Acid and LPS-Induced Inflammatory Response by Modulating TLR4 and NOX4-Mediated NF- κ B Signaling Pathway in RAW264.7 Macrophages. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5920.	1.8	25
4139	Mechanistic Insights on Heme-to-Heme Transmembrane Electron Transfer Within NADPH Oxidases From Atomistic Simulations. <i>Frontiers in Chemistry</i> , 2021, 9, 650651.	1.8	3
4140	NLR family pyrin domain containing 3 (NLRP3) and caspase 1 (CASP1) modulation by intracellular Cl ⁻ concentration. <i>Immunology</i> , 2021, 163, 493-511.	2.0	12
4141	Safety assessment of titanium dioxide (E171) as a food additive. <i>EFSA Journal</i> , 2021, 19, e06585.	0.9	93
4142	NADPH-Oxidase 2 Promotes Autophagy in Spinal Neurons During the Development of Morphine Tolerance. <i>Neurochemical Research</i> , 2021, 46, 2089-2096.	1.6	4
4143	Multi-Functional MPT Protein as a Therapeutic Agent against <i>Mycobacterium tuberculosis</i> . <i>Biomedicines</i> , 2021, 9, 545.	1.4	5
4144	Ex Vivo Antioxidant Capacities of Fruit and Vegetable Juices. Potential In Vivo Extrapolation. <i>Antioxidants</i> , 2021, 10, 770.	2.2	5
4145	Activation of NADPH oxidase mediates mitochondrial oxidative stress and atrial remodeling in diabetic rabbits. <i>Life Sciences</i> , 2021, 272, 119240.	2.0	10
4146	Oxidative Stress in Down and Williams-Beuren Syndromes: An Overview. <i>Molecules</i> , 2021, 26, 3139.	1.7	12
4147	Mechanisms underlying the hormetic effect of conjugated linoleic acid: Focus on Nrf2, mitochondria and NADPH oxidases. <i>Free Radical Biology and Medicine</i> , 2021, 167, 276-286.	1.3	13
4148	Coordinated Contribution of NADPH Oxidase- and Mitochondria-Derived Reactive Oxygen Species in Metabolic Syndrome and Its Implication in Renal Dysfunction. <i>Frontiers in Pharmacology</i> , 2021, 12, 670076.	1.6	19
4149	CoenzymeQ in cellular redox regulation and clinical heart failure. <i>Free Radical Biology and Medicine</i> , 2021, 167, 321-334.	1.3	7
4150	NOX4 links metabolic regulation in pancreatic cancer to endoplasmic reticulum redox vulnerability and dependence on PRDX4. <i>Science Advances</i> , 2021, 7, .	4.7	15
4151	Interactions of zinc- and redox-signaling pathways. <i>Redox Biology</i> , 2021, 41, 101916.	3.9	67
4152	The use of resveratrol decreases liquid-extend boar semen fertility, even in concentrations that do not alter semen quality. <i>Research in Veterinary Science</i> , 2021, 136, 360-368.	0.9	5
4153	Calcineurin A- β suppression drives nuclear factor- κ B-mediated NADPH oxidase-2 upregulation. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F789-F798.	1.3	6

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4156	Reactive oxygen species as potential antiviral targets. <i>Reviews in Medical Virology</i> , 2022, 32, .	3.9	21
4157	Modulations of Cardiac Functions and Pathogenesis by Reactive Oxygen Species and Natural Antioxidants. <i>Antioxidants</i> , 2021, 10, 760.	2.2	12
4158	Nox4-dependent upregulation of S100A4 after peripheral nerve injury modulates neuropathic pain processing. <i>Free Radical Biology and Medicine</i> , 2021, 168, 155-167.	1.3	9
4159	Oxidative Dysregulation in Early Life Stress and Posttraumatic Stress Disorder: A Comprehensive Review. <i>Brain Sciences</i> , 2021, 11, 723.	1.1	34
4160	Aspects of the Tumor Microenvironment Involved in Immune Resistance and Drug Resistance. <i>Frontiers in Immunology</i> , 2021, 12, 656364.	2.2	175
4161	Ironing Out the Details: How Iron Orchestrates Macrophage Polarization. <i>Frontiers in Immunology</i> , 2021, 12, 669566.	2.2	34
4162	Treatment of primary sclerosing cholangitis. <i>Digestive and Liver Disease</i> , 2021, 53, 1531-1538.	0.4	16
4163	Oxidative Stress as a Possible Target in the Treatment of Toxoplasmosis: Perspectives and Ambiguities. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5705.	1.8	28
4164	Single-Dose Toxicity Study on ML171, a Selective NOX1 Inhibitor, in Mice. <i>BioMed Research International</i> , 2021, 2021, 1-8.	0.9	0
4166	NOX4 promotes ferroptosis of astrocytes by oxidative stress-induced lipid peroxidation via the impairment of mitochondrial metabolism in Alzheimer's diseases. <i>Redox Biology</i> , 2021, 41, 101947.	3.9	237
4167	Sulforaphane Impact on Reactive Oxygen Species (ROS) in Bladder Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5938.	1.8	12
4168	3D nitrogen-doped carbon nanofoam arrays embedded with PdCu alloy nanoparticles: Assembling on flexible microelectrode for electrochemical detection in cancer cells. <i>Analytica Chimica Acta</i> , 2021, 1158, 338420.	2.6	9
4169	Role of Oxidative Stress in Reperfusion following Myocardial Ischemia and Its Treatments. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-23.	1.9	102
4170	Harnessing Genomic Stress for Antitumor Immunity. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1128-1150.	2.5	5
4171	A Spatiotemporal Characterisation of Redox Molecules in Planarians, with a Focus on the Role of Glutathione during Regeneration. <i>Biomolecules</i> , 2021, 11, 714.	1.8	5
4172	Impact of intrauterine fetal resuscitation with oxygen on oxidative stress in the developing rat brain. <i>Scientific Reports</i> , 2021, 11, 9798.	1.6	6

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4174	Role of endolysosome function in iron metabolism and brain carcinogenesis. <i>Seminars in Cancer Biology</i> , 2021, 76, 74-85.	4.3	21
4175	Lung Transplantation, Pulmonary Endothelial Inflammation, and Ex-Situ Lung Perfusion: A Review. <i>Cells</i> , 2021, 10, 1417.	1.8	10
4176	A small molecule inhibitor of Nox2 and Nox4 improves contractile function after ischemiaâ€“reperfusion in the mouse heart. <i>Scientific Reports</i> , 2021, 11, 11970.	1.6	19
4177	The therapeutic potential of diet on immune-related diseases: based on the regulation on tryptophan metabolism. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8793-8811.	5.4	10
4178	Reactive Oxygen Species (ROS): Key Components in Cancer Therapies. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 215-222.	0.9	82
4179	Spectrophotometric assays for evaluation of Reactive Oxygen Species (ROS) in serum: general concepts and applications in dogs and humans. <i>BMC Veterinary Research</i> , 2021, 17, 226.	0.7	34
4180	A turn-on fluorescent probe based on 7-extended coumarin for imaging endogenous hydrogen peroxide in RAW 264.7 cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 414, 113270.	2.0	18
4181	Neddylatation Alleviates Methicillin-Resistant <i>Staphylococcus aureus</i> Infection by Inducing Macrophage Reactive Oxygen Species Production. <i>Journal of Immunology</i> , 2021, 207, 296-307.	0.4	2
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4183	Redox regulation of the insulin signalling pathway. <i>Redox Biology</i> , 2021, 42, 101964.	3.9	41
4184	The glyco-redox interplay: Principles and consequences on the role of reactive oxygen species during protein glycosylation. <i>Redox Biology</i> , 2021, 42, 101888.	3.9	22
4185	ATM-Mediated Mitochondrial Radiation Responses of Human Fibroblasts. <i>Genes</i> , 2021, 12, 1015.	1.0	12
4186	NOX2 Activation in COVID-19: Possible Implications for Neurodegenerative Diseases. <i>Medicina (Lithuania)</i> , 2021, 57, 604.	0.8	18
4187	Sirtuin Control of Mitochondrial Dysfunction, Oxidative Stress, and Inflammation in Chagas Disease Models. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 693051.	1.8	22
4188	Hsa_circ_0005915 promotes N,N-dimethylformamide-induced oxidative stress in HL-7702 cells through NRF2/ARE axis. <i>Toxicology</i> , 2021, 458, 152838.	2.0	11
4189	Role of Monoamine Oxidase Activity in Alzheimerâ€™s Disease: An Insight into the Therapeutic Potential of Inhibitors. <i>Molecules</i> , 2021, 26, 3724.	1.7	106
4190	Protective Effects of Estrogen on Cardiovascular Disease Mediated by Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	45

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4192	Pleiotropic and Potentially Beneficial Effects of Reactive Oxygen Species on the Intracellular Signaling Pathways in Endothelial Cells. <i>Antioxidants</i> , 2021, 10, 904.	2.2	2
4193	NADPH Oxidase (NOX) Targeting in Diabetes: A Special Emphasis on Pancreatic β -Cell Dysfunction. <i>Cells</i> , 2021, 10, 1573.	1.8	20
4194	Diabetes, Heart Failure and Beyond: Elucidating the Cardioprotective Mechanisms of Sodium Glucose Cotransporter 2 (SGLT2) Inhibitors. <i>American Journal of Cardiovascular Drugs</i> , 2022, 22, 35-46.	1.0	4
4195	NADPH Oxidases (NOX): An Overview from Discovery, Molecular Mechanisms to Physiology and Pathology. <i>Antioxidants</i> , 2021, 10, 890.	2.2	239
4196	The plant NADPH oxidase RBOHD is required for microbiota homeostasis in leaves. <i>Nature Microbiology</i> , 2021, 6, 852-864.	5.9	70
4197	A Peptide Inhibitor of Peroxiredoxin 6 Phospholipase A2 Activity Significantly Protects against Lung Injury in a Mouse Model of Ventilator Induced Lung Injury (VILI). <i>Antioxidants</i> , 2021, 10, 925.	2.2	10
4198	Indoxyl-Sulfate-Induced Redox Imbalance in Chronic Kidney Disease. <i>Antioxidants</i> , 2021, 10, 936.	2.2	24
4199	The Role of Renin Angiotensin Aldosterone System in the Pathogenesis and Pathophysiology of COVID-19. , 0, , .		0
4200	Signaling pathways and defense mechanisms of ferroptosis. <i>FEBS Journal</i> , 2022, 289, 7038-7050.	2.2	177
4201	Black raspberry anthocyanins protect BV2 microglia from LPS-induced inflammation through down-regulating NOX2/TXNIP/NLRP3 signaling. <i>Journal of Berry Research</i> , 2021, 11, 333-347.	0.7	4
4202	<i>Leishmania donovani</i> Metacyclic Promastigotes Impair Phagosome Properties in Inflammatory Monocytes. <i>Infection and Immunity</i> , 2021, 89, e0000921.	1.0	8
4203	Apocynin Prevents Anxiety-Like Behavior and Histone Deacetylases Overexpression Induced by Sub-Chronic Stress in Mice. <i>Biomolecules</i> , 2021, 11, 885.	1.8	11
4204	Autoimmunity as an Etiological Factor of Cancer: The Transformative Potential of Chronic Type 2 Inflammation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 664305.	1.8	13
4205	Ginkgolide A attenuates sepsis-associated kidney damage via upregulating microRNA-25 with NADPH oxidase 4 as the target. <i>International Immunopharmacology</i> , 2021, 95, 107514.	1.7	7
4206	The voltage-gated proton channel Hv1 promotes microglia-astrocyte communication and neuropathic pain after peripheral nerve injury. <i>Molecular Brain</i> , 2021, 14, 99.	1.3	21
4207	Angiotensin II and hypoxia induce autophagy in cardiomyocytes via activating specific protein kinase C subtypes. <i>Cardiovascular Diagnosis and Therapy</i> , 2021, 11, 744-759.	0.7	7
4208	Size and surface modification of silica nanoparticles affect the severity of lung toxicity by modulating endosomal ROS generation in macrophages. <i>Particle and Fibre Toxicology</i> , 2021, 18, 21.	2.8	35

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4210	The Role of Oxidative Stress in NAFLDâ€“NASHâ€“HCC Transitionâ€“Focus on NADPH Oxidases. <i>Biomedicines</i> , 2021, 9, 687.	1.4	46
4211	Dapagliflozin alleviates cardiac fibrosis through suppressing EndMT and fibroblast activation via AMPK \pm /TGF β ϵ ² /Smad signalling in type 2 diabetic rats. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 7642-7659.	1.6	81
4212	Evaluation of some antioxidants and malondialdehyde (MDA) in iraqi women infected with breast cancer and toxoplasmosis in Al-Diwaniyah and Al-Najaf provinces. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	2
4213	SRC-3 deficiency protects host from <i>Listeria monocytogenes</i> infection through increasing ROS production and decreasing lymphocyte apoptosis. <i>International Immunopharmacology</i> , 2021, 96, 107625.	1.7	2
4214	Illuminating the effect of beneficial blue light and ROS-modulating enzymes in Dupuytrenâ€™s disease. <i>PLoS ONE</i> , 2021, 16, e0253777.	1.1	0
4216	Oxidative stress in corneal stromal cells contributes to the development of keratoconus in a rabbit model. <i>European Journal of Ophthalmology</i> , 2021, 31, 3518-3524.	0.7	8
4217	Mechanisms of Ataxia Telangiectasia Mutated (ATM) Control in the DNA Damage Response to Oxidative Stress, Epigenetic Regulation, and Persistent Innate Immune Suppression Following Sepsis. <i>Antioxidants</i> , 2021, 10, 1146.	2.2	8
4218	Roles of Phase Separation for Cellular Redox Maintenance. <i>Frontiers in Genetics</i> , 2021, 12, 691946.	1.1	12
4219	Melatonin as a Reducer of Neuro- and Vasculotoxic Oxidative Stress Induced by Homocysteine. <i>Antioxidants</i> , 2021, 10, 1178.	2.2	13
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#	ARTICLE	IF	CITATIONS
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4266	Autophagy drives plasticity and functional polarization of tumor-associated macrophages. <i>IUBMB Life</i> , 2022, 74, 157-169.	1.5	13
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4279	The ethanol extract of flower buds of <i>Tussilago farfara</i> L. attenuates cigarette smoke-induced lung inflammation through regulating NLRP3 inflammasome, Nrf2, and NF- κ B. <i>Journal of Ethnopharmacology</i> , 2022, 283, 114694.	2.0	7
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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