

Katrin Schröder

List of Publications by Year in descending order

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Version: 2024-02-01

145
papers

9,522
citations

46918

47
h-index

40881

93
g-index

170
all docs

170
docs citations

170
times ranked

12637
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | NLRP3 inflammasome blockade reduces liver inflammation and fibrosis in experimental NASH in mice. <i>Journal of Hepatology</i> , 2017, 66, 1037-1046. | 1.8 | 738 |
| 2 | Apocynin Is Not an Inhibitor of Vascular NADPH Oxidases but an Antioxidant. <i>Hypertension</i> , 2008, 51, 211-217. | 1.3 | 677 |
| 3 | Nox family NADPH oxidases: Molecular mechanisms of activation. <i>Free Radical Biology and Medicine</i> , 2014, 76, 208-226. | 1.3 | 546 |
| 4 | Nox4 Is a Protective Reactive Oxygen Species Generating Vascular NADPH Oxidase. <i>Circulation Research</i> , 2012, 110, 1217-1225. | 2.0 | 540 |
| 5 | The E-loop Is Involved in Hydrogen Peroxide Formation by the NADPH Oxidase Nox4. <i>Journal of Biological Chemistry</i> , 2011, 286, 13304-13313. | 1.6 | 445 |
| 6 | NADPH oxidase-4 mediates protection against chronic load-induced stress in mouse hearts by enhancing angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18121-18126. | 3.3 | 401 |
| 7 | European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017, 13, 94-162. | 3.9 | 242 |
| 8 | NADPH oxidases in cardiovascular disease. <i>Free Radical Biology and Medicine</i> , 2010, 49, 687-706. | 1.3 | 241 |
| 9 | Nox4 Acts as a Switch Between Differentiation and Proliferation in Preadipocytes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 239-245. | 1.1 | 228 |
| 10 | Liver fibrosis and hepatocyte apoptosis are attenuated by GKT137831, a novel NOX4/NOX1 inhibitor in vivo. <i>Free Radical Biology and Medicine</i> , 2012, 53, 289-296. | 1.3 | 220 |
| 11 | The NADPH oxidase Nox4 has anti-atherosclerotic functions. <i>European Heart Journal</i> , 2015, 36, 3447-3456. | 1.0 | 150 |
| 12 | Nox4 is a Novel Inducible Source of Reactive Oxygen Species in Monocytes and Macrophages and Mediates Oxidized Low Density Lipoprotein-Induced Macrophage Death. <i>Circulation Research</i> , 2010, 106, 1489-1497. | 2.0 | 145 |
| 13 | NADPH oxidase 4 limits bone mass by promoting osteoclastogenesis. <i>Journal of Clinical Investigation</i> , 2013, 123, 4731-4738. | 3.9 | 142 |
| 14 | Hepatocyte Nicotinamide Adenine Dinucleotide Phosphate Reduced Oxidase 4 Regulates Stress Signaling, Fibrosis, and Insulin Sensitivity During Development of Steatohepatitis in Mice. <i>Gastroenterology</i> , 2015, 149, 468-480.e10. | 0.6 | 136 |
| 15 | Nox1 Mediates Basic Fibroblast Growth Factor-Induced Migration of Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1736-1743. | 1.1 | 134 |
| 16 | Role of Nox4 in murine models of kidney disease. <i>Free Radical Biology and Medicine</i> , 2012, 53, 842-853. | 1.3 | 131 |
| 17 | Identification of Structural Elements in Nox1 and Nox4 Controlling Localization and Activity. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1279-1287. | 2.5 | 129 |
| 18 | Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity. <i>Circulation</i> , 2017, 136, 388-403. | 1.6 | 128 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The Nox Family of NADPH Oxidases: Friend or Foe of the Vascular System?. <i>Current Hypertension Reports</i> , 2012, 14, 70-78. | 1.5 | 122 |
| 20 | Inhibition of the JAK-2/STAT3 signaling pathway impedes the migratory and invasive potential of human glioblastoma cells. <i>Journal of Neuro-Oncology</i> , 2011, 101, 393-403. | 1.4 | 112 |
| 21 | NADPH Oxidase Nox2 Is Required for Hypoxia-Induced Mobilization of Endothelial Progenitor Cells. <i>Circulation Research</i> , 2009, 105, 537-544. | 2.0 | 105 |
| 22 | Redox control in cancer development and progression. <i>Molecular Aspects of Medicine</i> , 2018, 63, 88-98. | 2.7 | 103 |
| 23 | NADPH Oxidase-4 Maintains Neuropathic Pain after Peripheral Nerve Injury. <i>Journal of Neuroscience</i> , 2012, 32, 10136-10145. | 1.7 | 94 |
| 24 | Vitamin D Promotes Vascular Regeneration. <i>Circulation</i> , 2014, 130, 976-986. | 1.6 | 91 |
| 25 | Targeted redox inhibition of protein phosphatase 1 by Nox4 regulates $eIF2\alpha$ -mediated stress signaling. <i>EMBO Journal</i> , 2016, 35, 319-334. | 3.5 | 91 |
| 26 | NADPH oxidase Nox1 contributes to ischemic injury in experimental stroke in mice. <i>Neurobiology of Disease</i> , 2010, 40, 185-192. | 2.1 | 84 |
| 27 | Redox-mediated signal transduction by cardiovascular Nox NADPH oxidases. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 73, 70-79. | 0.9 | 81 |
| 28 | Monoamine Oxidases Are Mediators of Endothelial Dysfunction in the Mouse Aorta. <i>Hypertension</i> , 2013, 62, 140-146. | 1.3 | 78 |
| 29 | NADPH oxidases in bone homeostasis and osteoporosis. <i>Free Radical Biology and Medicine</i> , 2019, 132, 67-72. | 1.3 | 77 |
| 30 | Xanthine oxidase inhibitor tungsten prevents the development of atherosclerosis in ApoE knockout mice fed a Western-type diet. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1353-1360. | 1.3 | 76 |
| 31 | NOXious signaling in pain processing. , 2013, 137, 309-317. | | 76 |
| 32 | Differential vascular functions of Nox family NADPH oxidases. <i>Current Opinion in Lipidology</i> , 2008, 19, 513-518. | 1.2 | 75 |
| 33 | Nox Family NADPH Oxidases in Mechano-Transduction: Mechanisms and Consequences. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 887-898. | 2.5 | 68 |
| 34 | Nicotinamide Adenine Dinucleotide Phosphate Oxidase-4-Dependent Upregulation of Nuclear Factor Erythroid-Derived 2-Like 2 Protects the Heart During Chronic Pressure Overload. <i>Hypertension</i> , 2015, 65, 547-553. | 1.3 | 64 |
| 35 | Composition and Functions of Vascular Nicotinamide Adenine Dinucleotide Phosphate Oxidases. <i>Trends in Cardiovascular Medicine</i> , 2008, 18, 15-19. | 2.3 | 58 |
| 36 | Organizers and activators: Cytosolic Nox proteins impacting on vascular function. <i>Free Radical Biology and Medicine</i> , 2017, 109, 22-32. | 1.3 | 58 |

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|----|---|-----|-----------|
| 37 | Mutant desmin substantially perturbs mitochondrial morphology, function and maintenance in skeletal muscle tissue. <i>Acta Neuropathologica</i> , 2016, 132, 453-473. | 3.9 | 57 |
| 38 | Redox stress in Marfan syndrome: Dissecting the role of the NADPH oxidase NOX4 in aortic aneurysm. <i>Free Radical Biology and Medicine</i> , 2018, 118, 44-58. | 1.3 | 57 |
| 39 | Nox2-dependent signaling between macrophages and sensory neurons contributes to neuropathic pain hypersensitivity. <i>Pain</i> , 2014, 155, 2161-2170. | 2.0 | 55 |
| 40 | Detection of Hydrogen Peroxide with Fluorescent Dyes. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 585-602. | 2.5 | 55 |
| 41 | NOX4-driven ROS formation mediates PTP inactivation and cell transformation in FLT3ITD-positive AML cells. <i>Leukemia</i> , 2016, 30, 473-483. | 3.3 | 54 |
| 42 | Glucose-Stimulated Insulin Secretion Fundamentally Requires H ₂ O ₂ Signaling by NADPH Oxidase 4. <i>Diabetes</i> , 2020, 69, 1341-1354. | 0.3 | 53 |
| 43 | Hepatocyte Growth Factor Induces a Proangiogenic Phenotype and Mobilizes Endothelial Progenitor Cells by Activating Nox2. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 915-923. | 2.5 | 52 |
| 44 | Levosimendan attenuates pulmonary vascular remodeling. <i>Intensive Care Medicine</i> , 2011, 37, 1368-1377. | 3.9 | 52 |
| 45 | Unchanged NADPH Oxidase Activity in Nox1-Nox2-Nox4 Triple Knockout Mice: What Do NADPH-Stimulated Chemiluminescence Assays Really Detect?. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 392-399. | 2.5 | 52 |
| 46 | Both cardiomyocyte and endothelial cell Nox4 mediate protection against hemodynamic overload-induced remodelling. <i>Cardiovascular Research</i> , 2018, 114, 401-408. | 1.8 | 52 |
| 47 | NADPH oxidases: Current aspects and tools. <i>Redox Biology</i> , 2020, 34, 101512. | 3.9 | 52 |
| 48 | NADPH oxidases in bone homeostasis and osteoporosis. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 25-38. | 2.4 | 50 |
| 49 | Leptin Potentiates Endothelium-Dependent Relaxation by Inducing Endothelial Expression of Neuronal NO Synthase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1605-1612. | 1.1 | 49 |
| 50 | Bimodal role of NADPH oxidases in the regulation of biglycan-triggered IL-1 β synthesis. <i>Matrix Biology</i> , 2016, 49, 61-81. | 1.5 | 49 |
| 51 | Nox4 regulates InsP ₃ receptor-dependent Ca ²⁺ release into mitochondria to promote cell survival. <i>EMBO Journal</i> , 2020, 39, e103530. | 3.5 | 49 |
| 52 | Integrin α 7 β 1 is a redox-regulated target of hydrogen peroxide in vascular smooth muscle cell adhesion. <i>Free Radical Biology and Medicine</i> , 2012, 53, 521-531. | 1.3 | 47 |
| 53 | NADPH Oxidases in Redox Regulation of Cell Adhesion and Migration. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2043-2058. | 2.5 | 47 |
| 54 | A Bak-dependent mitochondrial amplification step contributes to Smac mimetic/glucocorticoid-induced necroptosis. <i>Cell Death and Differentiation</i> , 2017, 24, 83-97. | 5.0 | 47 |

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|----|---|-----|-----------|
| 55 | The NADPH Oxidase Nox4 mediates tumour angiogenesis. <i>Acta Physiologica</i> , 2016, 216, 435-446. | 1.8 | 45 |
| 56 | No Superoxide "No Stress?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1255-1257. | 1.1 | 44 |
| 57 | Myocardial NADPH oxidase-4 regulates the physiological response to acute exercise. <i>ELife</i> , 2018, 7, . | 2.8 | 44 |
| 58 | Assay to visualize specific protein oxidation reveals spatio-temporal regulation of SHP2. <i>Nature Communications</i> , 2017, 8, 466. | 5.8 | 43 |
| 59 | Nox4 reprograms cardiac substrate metabolism via protein O-GlcNAcylation to enhance stress adaptation. <i>JCI Insight</i> , 2017, 2, . | 2.3 | 42 |
| 60 | Deficient angiogenesis in redox-dead Cys17Ser PKAR1± knock-in mice. <i>Nature Communications</i> , 2015, 6, 7920. | 5.8 | 41 |
| 61 | The NADPH organizers NoxO1 and p47phox are both mediators of diabetes-induced vascular dysfunction in mice. <i>Redox Biology</i> , 2018, 15, 12-21. | 3.9 | 40 |
| 62 | Autophagy Protects From Uremic Vascular Media Calcification. <i>Frontiers in Immunology</i> , 2018, 9, 1866. | 2.2 | 40 |
| 63 | Isoform specific functions of Nox protein-derived reactive oxygen species in the vasculature. <i>Current Opinion in Pharmacology</i> , 2010, 10, 122-126. | 1.7 | 39 |
| 64 | Loss of Nrf2 in bone marrow-derived macrophages impairs antigen-driven CD8+ T cell function by limiting GSH and Cys availability. <i>Free Radical Biology and Medicine</i> , 2015, 83, 77-88. | 1.3 | 39 |
| 65 | Cytochrome P450 enzymes but not NADPH oxidases are the source of the NADPH-dependent lucigenin chemiluminescence in membrane assays. <i>Free Radical Biology and Medicine</i> , 2017, 102, 57-66. | 1.3 | 37 |
| 66 | Redox Regulation and Noncoding RNAs. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 793-812. | 2.5 | 36 |
| 67 | The NADPH Oxidase Nox4 Controls Macrophage Polarization in an NF- κ B-Dependent Manner. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11. | 1.9 | 36 |
| 68 | Antibiotic-Impregnated Bone Grafts in Orthopaedic and Trauma Surgery: A Systematic Review of the Literature. <i>International Journal of Biomaterials</i> , 2012, 2012, 1-9. | 1.1 | 35 |
| 69 | SYNCRIP-Dependent Nox2 mRNA Destabilization Impairs ROS Formation in M2-Polarized Macrophages. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 2483-2497. | 2.5 | 35 |
| 70 | NOX4-dependent Hydrogen peroxide promotes shear stress-induced SHP2 sulfenylation and eNOS activation. <i>Free Radical Biology and Medicine</i> , 2015, 89, 419-430. | 1.3 | 35 |
| 71 | NADPH oxidase-derived reactive oxygen species: Dosis facit venenum. <i>Experimental Physiology</i> , 2019, 104, 447-452. | 0.9 | 34 |
| 72 | CRISPR/Cas9-mediated knockout of p22phox leads to loss of Nox1 and Nox4, but not Nox5 activity. <i>Redox Biology</i> , 2016, 9, 287-295. | 3.9 | 33 |

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|----|--|-----|-----------|
| 73 | NADPH oxidases are responsible for the failure of nitric oxide to inhibit migration of smooth muscle cells exposed to high glucose. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1578-1583. | 1.3 | 32 |
| 74 | NADPH Oxidase 4 is Not Involved in Hypoxia-Induced Pulmonary Hypertension. <i>Pulmonary Circulation</i> , 2016, 6, 397-400. | 0.8 | 32 |
| 75 | Treatment of Large Bone Defects with a Vascularized Periosteal Flap in Combination with Biodegradable Scaffold Seeded with Bone Marrow-Derived Mononuclear Cells: An Experimental Study in Rats. <i>Tissue Engineering - Part A</i> , 2016, 22, 133-141. | 1.6 | 32 |
| 76 | Nox4 supports proper capillary growth in exercise and retina neo-vascularization. <i>Journal of Physiology</i> , 2015, 593, 2145-2154. | 1.3 | 30 |
| 77 | Targeting of NADPH oxidase in vitro and in vivo suppresses fibroblast activation and experimental skin fibrosis. <i>Experimental Dermatology</i> , 2017, 26, 73-81. | 1.4 | 30 |
| 78 | Lung Ischaemia-Reperfusion Injury: The Role of Reactive Oxygen Species. <i>Advances in Experimental Medicine and Biology</i> , 2017, 967, 195-225. | 0.8 | 29 |
| 79 | Dual NADPH oxidases DUOX1 and DUOX2 synthesize NAADP and are necessary for Ca ²⁺ signaling during T cell activation. <i>Science Signaling</i> , 2021, 14, eabe3800. | 1.6 | 28 |
| 80 | NADPH oxidase 4 regulates homocysteine metabolism and protects against acetaminophen-induced liver damage in mice. <i>Free Radical Biology and Medicine</i> , 2015, 89, 918-930. | 1.3 | 27 |
| 81 | NADPH oxidase 4 modulates hepatic responses to lipopolysaccharide mediated by Toll-like receptor-4. <i>Scientific Reports</i> , 2017, 7, 14346. | 1.6 | 27 |
| 82 | NoxO1 Controls Proliferation of Colon Epithelial Cells. <i>Frontiers in Immunology</i> , 2018, 9, 973. | 2.2 | 27 |
| 83 | The Cytosolic NADPH Oxidase Subunit NoxO1 Promotes an Endothelial Stalk Cell Phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1558-1565. | 1.1 | 26 |
| 84 | Comparison of three different types of scaffolds preseeded with human bone marrow mononuclear cells on the bone healing in a femoral critical size defect model of the athymic rat. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 653-666. | 1.3 | 26 |
| 85 | Redox Regulation Beyond ROS. <i>Circulation Research</i> , 2018, 123, 326-328. | 2.0 | 25 |
| 86 | Size matters: Effect of granule size of the bone graft substitute (Herafill®) on bone healing using Masquelet's induced membrane in a critical size defect model in the rat's femur. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1469-1482. | 1.6 | 24 |
| 87 | NADPH oxidase-4 promotes eccentric cardiac hypertrophy in response to volume overload. <i>Cardiovascular Research</i> , 2021, 117, 178-187. | 1.8 | 24 |
| 88 | Redox-guided axonal regrowth requires cyclic GMP dependent protein kinase 1: Implication for neuropathic pain. <i>Redox Biology</i> , 2017, 11, 176-191. | 3.9 | 23 |
| 89 | Influence of the induced membrane filled with syngeneic bone and regenerative cells on bone healing in a critical size defect model of the rat's femur. <i>Injury</i> , 2018, 49, 1721-1731. | 0.7 | 23 |
| 90 | NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. <i>Nature Metabolism</i> , 2020, 2, 532-546. | 5.1 | 23 |

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|-----|---|-----|-----------|
| 91 | Knock out of the NADPH oxidase Nox4 has no impact on life span in mice. <i>Redox Biology</i> , 2017, 11, 312-314. | 3.9 | 22 |
| 92 | From two stages to one: acceleration of the induced membrane (Masquelet) technique using human acellular dermis for the treatment of non-infectious large bone defects. <i>European Journal of Trauma and Emergency Surgery</i> , 2020, 46, 317-327. | 0.8 | 21 |
| 93 | Improvement of Bone Healing by Neutralization of microRNA-335-5p, but not by Neutralization of microRNA-92A in Bone Marrow Mononuclear Cells Transplanted into a Large Femur Defect of the Rat. <i>Tissue Engineering - Part A</i> , 2019, 25, 55-68. | 1.6 | 20 |
| 94 | Oxidation of HDAC4 by Nox4-derived H ₂ O ₂ maintains tube formation by endothelial cells. <i>Redox Biology</i> , 2020, 36, 101669. | 3.9 | 20 |
| 95 | Genetic deletion of Nox4 enhances cancerogen-induced formation of solid tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 20 |
| 96 | NADPH oxidases in the differentiation of endothelial cells. <i>Cardiovascular Research</i> , 2019, 116, 262-268. | 1.8 | 19 |
| 97 | Redox Control of Angiogenesis. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 960-971. | 2.5 | 19 |
| 98 | Immunomodulatory role of reactive oxygen species and nitrogen species during T cell-driven neutrophil-enriched acute and chronic cutaneous delayed-type hypersensitivity reactions. <i>Theranostics</i> , 2021, 11, 470-490. | 4.6 | 17 |
| 99 | Oleoyl-Lysophosphatidylcholine Limits Endothelial Nitric Oxide Bioavailability by Induction of Reactive Oxygen Species. <i>PLoS ONE</i> , 2014, 9, e113443. | 1.1 | 16 |
| 100 | NADPH Oxidases Are Required for Full Platelet Activation In Vitro and Thrombosis In Vivo but Dispensable for Plasma Coagulation and Hemostasis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 683-697. | 1.1 | 16 |
| 101 | Activation of thromboxane receptor modulates interleukin-1 β -induced monocyte adhesion—A novel role of Nox1. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1760-1766. | 1.3 | 15 |
| 102 | NOX4 Regulates CCR2 and CCL2 mRNA Stability in Alcoholic Liver Disease. <i>Scientific Reports</i> , 2017, 7, 46144. | 1.6 | 15 |
| 103 | Diabetes and Thrombosis: A Central Role for Vascular Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 706. | 2.2 | 15 |
| 104 | Nox4 Is Dispensable for Exercise Induced Muscle Fibre Switch. <i>PLoS ONE</i> , 2015, 10, e0130769. | 1.1 | 15 |
| 105 | Tissue engineered vascularized periosteal flap enriched with MSC/EPCs for the treatment of large bone defects in rats. <i>International Journal of Molecular Medicine</i> , 2017, 39, 907-917. | 1.8 | 14 |
| 106 | Sphingosine Kinase 2 Modulates Retinal Neovascularization in the Mouse Model of Oxygen-Induced Retinopathy. , 2018, 59, 653. | | 14 |
| 107 | NADPH oxidase 4 attenuates cerebral artery changes during the progression of Marfan syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1081-H1090. | 1.5 | 13 |
| 108 | Redox Control of Renal Metabolism and Transport Function by the NADPH Oxidase Nox4. <i>Free Radical Biology and Medicine</i> , 2017, 112, 174. | 1.3 | 13 |

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|-----|--|-----|-----------|
| 109 | Tolerizing CTL by Sustained Hepatic PD-L1 Expression Provides a New Therapy Approach in Mouse Sepsis. <i>Theranostics</i> , 2019, 9, 2003-2016. | 4.6 | 13 |
| 110 | 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 |
| 111 | Deletion of NoxO1 limits atherosclerosis development in female mice. <i>Redox Biology</i> , 2020, 37, 101713. | 3.9 | 13 |
| 112 | Chronic Ethanol Feeding in Mice Decreases Expression of Genes for Major Structural Bone Proteins in a Nox4-Independent Manner. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 373, 337-346. | 1.3 | 13 |
| 113 | Determination of the effective dose of bone marrow mononuclear cell therapy for bone healing in vivo. <i>European Journal of Trauma and Emergency Surgery</i> , 2020, 46, 265-276. | 0.8 | 13 |
| 114 | Vitamin Dâ€”A New Perspective in Treatment of Cerebral Vasospasm. <i>Neurosurgery</i> , 2021, 88, 674-685. | 0.6 | 10 |
| 115 | NOX1 Regulates Collective and Planktonic Cell Migration: Insights From Patients With Pediatric-Onset IBD and NOX1 Deficiency. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1166-1176. | 0.9 | 9 |
| 116 | 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 |
| 117 | Fibrous Demineralized Bone Matrix (DBM) Improves Bone Marrow Mononuclear Cell (BMC)-Supported Bone Healing in Large Femoral Bone Defects in Rats. <i>Cells</i> , 2021, 10, 1249. | 1.8 | 9 |
| 118 | Reactive Oxygen Species Differentially Modulate the Metabolic and Transcriptomic Response of Endothelial Cells. <i>Antioxidants</i> , 2022, 11, 434. | 2.2 | 9 |
| 119 | Nox4 expression in osteo-progenitors controls bone development in mice during early life. <i>Communications Biology</i> , 2022, 5, . | 2.0 | 9 |
| 120 | The NADPH Oxidase Nox2 Mediates Vitamin D-Induced Vascular Regeneration in Male Mice. <i>Endocrinology</i> , 2016, 157, 4032-4040. | 1.4 | 8 |
| 121 | The histone demethylase Jarid1b mediates angiotensin IIâ€”induced endothelial dysfunction by controlling the 3â€”UTR of soluble epoxide hydrolase. <i>Acta Physiologica</i> , 2019, 225, e13168. | 1.8 | 8 |
| 122 | The hydrogen-peroxide producing NADPH oxidase 4 does not limit neointima development after vascular injury in mice. <i>Redox Biology</i> , 2021, 45, 102050. | 3.9 | 7 |
| 123 | Introduction of a New Surgical Method to Improve Bone Healing in a Large Bone Defect by Replacement of the Induced Membrane by a Human Decellularized Dermis Repopulated with Bone Marrow Mononuclear Cells in Rat. <i>Materials</i> , 2020, 13, 2629. | 1.3 | 6 |
| 124 | The NADPH Oxidase Isoform 1 Contributes to Angiotensin II-Mediated DNA Damage in the Kidney. <i>Antioxidants</i> , 2020, 9, 586. | 2.2 | 6 |
| 125 | NADPH Oxidases in Pain Processing. <i>Antioxidants</i> , 2022, 11, 1162. | 2.2 | 5 |
| 126 | NOXious Phosphorylation. <i>Circulation Research</i> , 2014, 115, 898-900. | 2.0 | 4 |

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|-----|--|-----|-----------|
| 127 | NoxO1 Knockout Promotes Longevity in Mice. <i>Antioxidants</i> , 2020, 9, 226. | 2.2 | 4 |
| 128 | Nox4 Knockout Does Not Prevent Diaphragm Atrophy, Contractile Dysfunction, or Mitochondrial Maladaptation in the Early Phase Post-Myocardial Infarction in Mice. <i>Cellular Physiology and Biochemistry</i> , 2021, 55, 489-504. | 1.1 | 4 |
| 129 | Combined Activity of the Redox-Modulating Compound Setanaxib (GKT137831) with Cytotoxic Agents in the Killing of Acute Myeloid Leukemia Cells. <i>Antioxidants</i> , 2022, 11, 513. | 2.2 | 4 |
| 130 | NOX1/NADPH oxidase is involved in the LPS-induced exacerbation of collagen-induced arthritis. <i>Journal of Pharmacological Sciences</i> , 2021, 146, 88-97. | 1.1 | 3 |
| 131 | Redox signaling in cellular differentiation. , 2020, , 539-563. | | 2 |
| 132 | Exercise: benefit more with Nox4!. <i>Cardiovascular Research</i> , 2020, 116, 1658-1660. | 1.8 | 2 |
| 133 | Nox4 Maintains Blood Pressure during Low Sodium Diet. <i>Antioxidants</i> , 2021, 10, 1103. | 2.2 | 2 |
| 134 | Nox1 Mediates Basic Fibroblast Growth Factor-induced Vascular Smooth Muscle Cell Migration. , 0, 2006, . | | 2 |
| 135 | The Induced Membrane Techniqueâ€”The Filling Matters: Evaluation of Different Forms of Membrane Filling with and without Bone Marrow Mononuclear Cells (BMC) in Large Femoral Bone Defects in Rats. <i>Biomedicines</i> , 2022, 10, 642. | 1.4 | 2 |
| 136 | Context-specific effects of NOX4 inactivation in acute myeloid leukemia (AML). <i>Journal of Cancer Research and Clinical Oncology</i> , 2022, 148, 1983-1990. | 1.2 | 2 |
| 137 | Response to Pagano et al.. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1247-1249. | 2.5 | 1 |
| 138 | Interferon-Î± inhibits interleukin-3-induced proliferation of Ba/F3 cells in a protein kinase R-dependent manner. <i>Cellular Signalling</i> , 2004, 16, 167-174. | 1.7 | 0 |
| 139 | Nox1 mediates basic fibroblast growth factor-induced smooth muscle cells migration. <i>Vascular Pharmacology</i> , 2006, 45, e72. | 1.0 | 0 |
| 140 | Nox4 Controls Bone Mass by Regulation of Osteoclastogenesis. <i>Free Radical Biology and Medicine</i> , 2011, 51, S97. | 1.3 | 0 |
| 141 | Response to the Letter by Schmidt et al Regarding â€œNox4 Is a Janus-Faced Reactive Oxygen Species Generating NADPH Oxidaseâ€• <i>Circulation Research</i> , 2012, 111, . | 2.0 | 0 |
| 142 | Response to Letter Regarding Article, â€œVitamin D Promotes Vascular Regenerationâ€• <i>Circulation</i> , 2015, 131, e515-6. | 1.6 | 0 |
| 143 | NoxO1 contributes to the differentiation of intestinal stem cells. <i>Free Radical Biology and Medicine</i> , 2017, 108, S75. | 1.3 | 0 |
| 144 | [BP.10.02] NOX4 DEFICIENCY LEADS TO HYPERTENSION AND VASCULAR-RENAL FIBROSIS WITH ENHANCED EFFECTS IN ANG II-DEPENDENT HYPERTENSION. <i>Journal of Hypertension</i> , 2017, 35, e345. | 0.3 | 0 |

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|-----|---|-----|-----------|
| 145 | PKG, CXL, and HNO. Relax!. Hypertension, 2022, 79, 957-959. | 1.3 | 0 |