# Katrin Schrder

## List of Publications by Year in Descending Order

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

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|---|---|---|---|
| 131 papers | 7,231 citations | 41 h-index | 83 g-index |
| 170 ext. papers | 8,541 ext. citations | 8 avg, IF | 6.17 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 131 | Reactive Oxygen Species Differentially Modulate the Metabolic and Transcriptomic Response of Endothelial Cells.. *Antioxidants*, **2022**, 11, | 7.1 | 2 |
| 130 | Context-specific effects of NOX4 inactivation in acute myeloid leukemia (AML).. *Journal of Cancer Research and Clinical Oncology*, **2022**, 1 | 4.9 | 1 |
| 129 | Dual NADPH oxidases DUOX1 and DUOX2 synthesize NAADP and are necessary for Ca signaling during T cell activation. *Science Signaling*, **2021**, 14, eabe3800 | 8.8 | 10 |
| 128 | Genetic deletion of Nox4 enhances cancerogen-induced formation of solid tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 5 |
| 127 | Diabetes and Thrombosis: A Central Role for Vascular Oxidative Stress. *Antioxidants*, **2021**, 10, | 7.1 | 1 |
| 126 | Nox4-dependent upregulation of S100A4 after peripheral nerve injury modulates neuropathic pain processing. *Free Radical Biology and Medicine*, **2021**, 168, 155-167 | 7.8 | 1 |
| 125 | NOX1/NADPH oxidase is involved in the LPS-induced exacerbation of collagen-induced arthritis. *Journal of Pharmacological Sciences*, **2021**, 146, 88-97 | 3.7 | 0 |
| 124 | Vitamin D-A New Perspective in Treatment of Cerebral Vasospasm. *Neurosurgery*, **2021**, 88, 674-685 | 3.2 | 4 |
| 123 | NADPH Oxidases Are Required for Full Platelet Activation In Vitro and Thrombosis In Vivo but Dispensable for Plasma Coagulation and Hemostasis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 683-697 | 9.4 | 5 |
| 122 | NADPH oxidase-4 promotes eccentric cardiac hypertrophy in response to volume overload. *Cardiovascular Research*, **2021**, 117, 178-187 | 9.9 | 15 |
| 121 | Immunomodulatory role of reactive oxygen species and nitrogen species during T cell-driven neutrophil-enriched acute and chronic cutaneous delayed-type hypersensitivity reactions. *Theranostics*, **2021**, 11, 470-490 | 12.1 | 7 |
| 120 | Nox4 Knockout Does Not Prevent Diaphragm Atrophy, Contractile Dysfunction, or Mitochondrial Maladaptation in the Early Phase Post-Myocardial Infarction in Mice. *Cellular Physiology and Biochemistry*, **2021**, 55, 489-504 | 3.9 | 0 |
| 119 | The hydrogen-peroxide producing NADPH oxidase 4 does not limit neointima development after vascular injury in mice. *Redox Biology*, **2021**, 45, 102050 | 11.3 | 0 |
| 118 | Chronic Ethanol Feeding in Mice Decreases Expression of Genes for Major Structural Bone Proteins in a Nox4-Independent Manner. *Journal of Pharmacology and Experimental Therapeutics*, **2020**, 373, 337-346 | 4.7 | 6 |
| 117 | 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. *Materials*, **2020**, 13, | 3.5 | 2 |
| 116 | NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. *Nature Metabolism*, **2020**, 2, 532-546 | 14.6 | 4 |
| 115 | NoxO1 Knockout Promotes Longevity in Mice. *Antioxidants*, **2020**, 9, | 7.1 | 4 |

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| 114 | The NADPH Oxidase Isoform 1 Contributes to Angiotensin II-Mediated DNA Damage in the Kidney. *Antioxidants*, **2020**, 9, | 7.1 | 3 |
| 113 | NOX1 Regulates Collective and Planktonic Cell Migration: Insights From Patients With Pediatric-Onset IBD and NOX1 Deficiency. *Inflammatory Bowel Diseases*, **2020**, 26, 1166-1176 | 4.5 | 4 |
| 112 | Determination of the effective dose of bone marrow mononuclear cell therapy for bone healing in vivo. *European Journal of Trauma and Emergency Surgery*, **2020**, 46, 265-276 | 2.3 | 3 |
| 111 | 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. *European Journal of Trauma and Emergency Surgery*, **2020**, 46, 317-327 | 2.3 | 8 |
| 110 | Glucose-Stimulated Insulin Secretion Fundamentally Requires HO Signaling by NADPH Oxidase 4. *Diabetes*, **2020**, 69, 1341-1354 | 0.9 | 25 |
| 109 | NADPH oxidases in the differentiation of endothelial cells. *Cardiovascular Research*, **2020**, 116, 262-268 | 9.9 | 10 |
| 108 | Nox4 regulates InsP receptor-dependent Ca release into mitochondria to promote cell survival. *EMBO Journal*, **2020**, 39, e103530 | 13 | 29 |
| 107 | NADPH oxidases: Current aspects and tools. *Redox Biology*, **2020**, 34, 101512 | 11.3 | 17 |
| 106 | Size matters: Effect of granule size of the bone graft substitute (Herafill ) on bone healing using Masquelet induced membrane in a critical size defect model in the rat femur. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2020**, 108, 1469-1482 | 3.5 | 9 |
| 105 | Redox signaling in cellular differentiation **2020**, 539-563 | | 0 |
| 104 | Oxidation of HDAC4 by Nox4-derived HO maintains tube formation by endothelial cells. *Redox Biology*, **2020**, 36, 101669 | 11.3 | 8 |
| 103 | Deletion of NoxO1 limits atherosclerosis development in female mice. *Redox Biology*, **2020**, 37, 101713 | 11.3 | 3 |
| 102 | The NADPH Oxidase Nox4 Controls Macrophage Polarization in an NFB-Dependent Manner. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 3264858 | 6.7 | 19 |
| 101 | Tolerizing CTL by Sustained Hepatic PD-L1 Expression Provides a New Therapy Approach in Mouse Sepsis. *Theranostics*, **2019**, 9, 2003-2016 | 12.1 | 7 |
| 100 | BIAM switch assay coupled to mass spectrometry identifies novel redox targets of NADPH oxidase 4. *Redox Biology*, **2019**, 21, 101125 | 11.3 | 7 |
| 99 | NADPH oxidase-derived reactive oxygen species: Dosis facit venenum. *Experimental Physiology*, **2019**, 104, 447-452 | 2.4 | 16 |
| 98 | The histone demethylase Jarid1b mediates angiotensin II-induced endothelial dysfunction by controlling the 3UTR of soluble epoxide hydrolase. *Acta Physiologica*, **2019**, 225, e13168 | 5.6 | 3 |
| 97 | NADPH oxidases in bone homeostasis and osteoporosis. *Free Radical Biology and Medicine*, **2019**, 132, 67-72 | 7.8 | 41 |

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| 96 | 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. *Tissue Engineering - Part A*, **2019**, 25, 55-68 | 3.9 | 15 |
| 95 | Redox Control of Angiogenesis. *Antioxidants and Redox Signaling*, **2019**, 30, 960-971 | 8.4 | 14 |
| 94 | Redox stress in Marfan syndrome: Dissecting the role of the NADPH oxidase NOX4 in aortic aneurysm. *Free Radical Biology and Medicine*, **2018**, 118, 44-58 | 7.8 | 35 |
| 93 | Redox control in cancer development and progression. *Molecular Aspects of Medicine*, **2018**, 63, 88-98 | 16.7 | 68 |
| 92 | Both cardiomyocyte and endothelial cell Nox4 mediate protection against hemodynamic overload-induced remodelling. *Cardiovascular Research*, **2018**, 114, 401-408 | 9.9 | 36 |
| 91 | 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. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 653-666 | 4.4 | 18 |
| 90 | Detection of Hydrogen Peroxide with Fluorescent Dyes. *Antioxidants and Redox Signaling*, **2018**, 29, 585-602 | 8.4 | 34 |
| 89 | Redox Regulation and Noncoding RNAs. *Antioxidants and Redox Signaling*, **2018**, 29, 793-812 | 8.4 | 25 |
| 88 | Sphingosine Kinase 2 Modulates Retinal Neovascularization in the Mouse Model of Oxygen-Induced Retinopathy **2018**, 59, 653-661 | | 10 |
| 87 | NoxO1 Controls Proliferation of Colon Epithelial Cells. *Frontiers in Immunology*, **2018**, 9, 973 | 8.4 | 18 |
| 86 | Redox Regulation Beyond ROS: Why ROS Should Not Be Measured as Often. *Circulation Research*, **2018**, 123, 326-328 | 15.7 | 16 |
| 85 | Myocardial NADPH oxidase-4 regulates the physiological response to acute exercise. *ELife*, **2018**, 7, | 8.9 | 27 |
| 84 | The NADPH organizers NoxO1 and p47phox are both mediators of diabetes-induced vascular dysfunction in mice. *Redox Biology*, **2018**, 15, 12-21 | 11.3 | 28 |
| 83 | 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. *Injury*, **2018**, 49, 1721-1731 | 2.5 | 14 |
| 82 | Autophagy Protects From Uremic Vascular Media Calcification. *Frontiers in Immunology*, **2018**, 9, 1866 | 8.4 | 28 |
| 81 | NLRP3 inflammasome blockade reduces liver inflammation and fibrosis in experimental NASH in mice. *Journal of Hepatology*, **2017**, 66, 1037-1046 | 13.4 | 432 |
| 80 | NOX4 Regulates CCR2 and CCL2 mRNA Stability in Alcoholic Liver Disease. *Scientific Reports*, **2017**, 7, 46144 | 4.9 | 8 |
| 79 | Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity: Evidence From Mouse and Human Studies. *Circulation*, **2017**, 136, 388-403 | 16.7 | 83 |

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| 78 | European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biology*, **2017**, 13, 94-162 | 11.3 | 185 |
| 77 | Knock out of the NADPH oxidase Nox4 has no impact on life span in mice. *Redox Biology*, **2017**, 11, 312-314 | 11.3 | 21 |
| 76 | Redox-guided axonal regrowth requires cyclic GMP dependent protein kinase 1: Implication for neuropathic pain. *Redox Biology*, **2017**, 11, 176-191 | 11.3 | 11 |
| 75 | NADPH oxidase 4 modulates hepatic responses to lipopolysaccharide mediated by Toll-like receptor-4. *Scientific Reports*, **2017**, 7, 14346 | 4.9 | 18 |
| 74 | Lung Ischaemia-Reperfusion Injury: The Role of Reactive Oxygen Species. *Advances in Experimental Medicine and Biology*, **2017**, 967, 195-225 | 3.6 | 13 |
| 73 | Nox4 reprograms cardiac substrate metabolism via protein O-GlcNAcylation to enhance stress adaptation. *JCI Insight*, **2017**, 2, | 9.9 | 29 |
| 72 | Assay to visualize specific protein oxidation reveals spatio-temporal regulation of SHP2. *Nature Communications*, **2017**, 8, 466 | 17.4 | 29 |
| 71 | Organizers and activators: Cytosolic Nox proteins impacting on vascular function. *Free Radical Biology and Medicine*, **2017**, 109, 22-32 | 7.8 | 41 |
| 70 | [BP.10.02] NOX4 DEFICIENCY LEADS TO HYPERTENSION AND VASCULAR-RENAL FIBROSIS WITH ENHANCED EFFECTS IN ANG II-DEPENDENT HYPERTENSION. *Journal of Hypertension*, **2017**, 35, e345 | 1.9 | |
| 69 | Tissue engineered vascularized periosteal flap enriched with MSC/EPCs for the treatment of large bone defects in rats. *International Journal of Molecular Medicine*, **2017**, 39, 907-917 | 4.4 | 10 |
| 68 | A Bak-dependent mitochondrial amplification step contributes to Smac mimetic/glucocorticoid-induced necroptosis. *Cell Death and Differentiation*, **2017**, 24, 83-97 | 12.7 | 38 |
| 67 | Cytochrome P450 enzymes but not NADPH oxidases are the source of the NADPH-dependent lucigenin chemiluminescence in membrane assays. *Free Radical Biology and Medicine*, **2017**, 102, 57-66 | 7.8 | 31 |
| 66 | Targeting of NADPH oxidase in vitro and in vivo suppresses fibroblast activation and experimental skin fibrosis. *Experimental Dermatology*, **2017**, 26, 73-81 | 4 | 26 |
| 65 | Redox Control of Renal Metabolism and Transport Function by the NADPH Oxidase Nox4. *Free Radical Biology and Medicine*, **2017**, 112, 174 | 7.8 | 12 |
| 64 | NOX4-driven ROS formation mediates PTP inactivation and cell transformation in FLT3ITD-positive AML cells. *Leukemia*, **2016**, 30, 473-83 | 10.7 | 44 |
| 63 | Unchanged NADPH Oxidase Activity in Nox1-Nox2-Nox4 Triple Knockout Mice: What Do NADPH-Stimulated Chemiluminescence Assays Really Detect?. *Antioxidants and Redox Signaling*, **2016**, 24, 392-9 | 8.4 | 39 |
| 62 | NADPH oxidase 4 is not involved in hypoxia-induced pulmonary hypertension. *Pulmonary Circulation*, **2016**, 6, 397-400 | 2.7 | 24 |
| 61 | The NADPH Oxidase Nox2 Mediates Vitamin D-Induced Vascular Regeneration in Male Mice. *Endocrinology*, **2016**, 157, 4032-4040 | 4.8 | 6 |

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| 60 | The Cytosolic NADPH Oxidase Subunit NoxO1 Promotes an Endothelial Stalk Cell Phenotype. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 1558-65 | 9.4 | 16 |
| 59 | Bimodal role of NADPH oxidases in the regulation of biglycan-triggered IL-1β synthesis. *Matrix Biology*, **2016**, 49, 61-81 | 11.4 | 38 |
| 58 | 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. *Tissue Engineering - Part A*, **2016**, 22, 133-41 | 3.9 | 24 |
| 57 | Mutant desmin substantially perturbs mitochondrial morphology, function and maintenance in skeletal muscle tissue. *Acta Neuropathologica*, **2016**, 132, 453-73 | 14.3 | 37 |
| 56 | The NADPH Oxidase Nox4 mediates tumour angiogenesis. *Acta Physiologica*, **2016**, 216, 435-46 | 5.6 | 37 |
| 55 | Targeted redox inhibition of protein phosphatase 1 by Nox4 regulates eIF2α-mediated stress signaling. *EMBO Journal*, **2016**, 35, 319-34 | 13 | 72 |
| 54 | NADPH oxidase 4 attenuates cerebral artery changes during the progression of Marfan syndrome. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H1081-90 | 5.2 | 9 |
| 53 | CRISPR/Cas9-mediated knockout of p22phox leads to loss of Nox1 and Nox4, but not Nox5 activity. *Redox Biology*, **2016**, 9, 287-295 | 11.3 | 23 |
| 52 | Nox4 supports proper capillary growth in exercise and retina neo-vascularization. *Journal of Physiology*, **2015**, 593, 2145-54 | 3.9 | 22 |
| 51 | Response to letter regarding article, "Vitamin D promotes vascular regeneration". *Circulation*, **2015**, 131, e515-6 | 16.7 | |
| 50 | Loss of Nrf2 in bone marrow-derived macrophages impairs antigen-driven CD8(+) T cell function by limiting GSH and Cys availability. *Free Radical Biology and Medicine*, **2015**, 83, 77-88 | 7.8 | 27 |
| 49 | Hepatocyte Nicotinamide Adenine Dinucleotide Phosphate Reduced Oxidase 4 Regulates Stress Signaling, Fibrosis, and Insulin Sensitivity During Development of Steatohepatitis in Mice. *Gastroenterology*, **2015**, 149, 468-80.e10 | 13.3 | 98 |
| 48 | The NADPH oxidase Nox4 has anti-atherosclerotic functions. *European Heart Journal*, **2015**, 36, 3447-56 | 9.5 | 112 |
| 47 | NADPH oxidase 4 regulates homocysteine metabolism and protects against acetaminophen-induced liver damage in mice. *Free Radical Biology and Medicine*, **2015**, 89, 918-30 | 7.8 | 20 |
| 46 | Deficient angiogenesis in redox-dead Cys17Ser PKARIα knock-in mice. *Nature Communications*, **2015**, 6, 7920 | 17.4 | 36 |
| 45 | NOX4-dependent Hydrogen peroxide promotes shear stress-induced SHP2 sulfenylation and eNOS activation. *Free Radical Biology and Medicine*, **2015**, 89, 419-30 | 7.8 | 31 |
| 44 | Response to Pagano et al. *Antioxidants and Redox Signaling*, **2015**, 23, 1247-9 | 8.4 | 1 |
| 43 | Nicotinamide adenine dinucleotide phosphate oxidase-4-dependent upregulation of nuclear factor erythroid-derived 2-like 2 protects the heart during chronic pressure overload. *Hypertension*, **2015**, 65, 547-53 | 8.5 | 49 |

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| 42 | NADPH oxidases in bone homeostasis and osteoporosis. *Cellular and Molecular Life Sciences*, **2015**, 72, 25-38 | 10.3 | 39 |
| 41 | Nox4 Is Dispensable for Exercise Induced Muscle Fibre Switch. *PLoS ONE*, **2015**, 10, e0130769 | 3.7 | 11 |
| 40 | Nox family NADPH oxidases: Molecular mechanisms of activation. *Free Radical Biology and Medicine* , **2014**, 76, 208-26 | 7.8 | 417 |
| 39 | Nox2-dependent signaling between macrophages and sensory neurons contributes to neuropathic pain hypersensitivity. *Pain*, **2014**, 155, 2161-70 | 8 | 41 |
| 38 | Redox-mediated signal transduction by cardiovascular Nox NADPH oxidases. *Journal of Molecular and Cellular Cardiology*, **2014**, 73, 70-9 | 5.8 | 70 |
| 37 | Oleoyl-lysophosphatidylcholine limits endothelial nitric oxide bioavailability by induction of reactive oxygen species. *PLoS ONE*, **2014**, 9, e113443 | 3.7 | 12 |
| 36 | Vitamin D promotes vascular regeneration. *Circulation*, **2014**, 130, 976-86 | 16.7 | 82 |
| 35 | SYNCRIP-dependent Nox2 mRNA destabilization impairs ROS formation in M2-polarized macrophages. *Antioxidants and Redox Signaling*, **2014**, 21, 2483-97 | 8.4 | 24 |
| 34 | NADPH oxidases in redox regulation of cell adhesion and migration. *Antioxidants and Redox Signaling*, **2014**, 20, 2043-58 | 8.4 | 37 |
| 33 | Nox family NADPH oxidases in mechano-transduction: mechanisms and consequences. *Antioxidants and Redox Signaling*, **2014**, 20, 887-98 | 8.4 | 51 |
| 32 | NOXious signaling in pain processing. *Pharmacology & Therapeutics*, **2013**, 137, 309-17 | 13.9 | 57 |
| 31 | NADPH oxidase 4 limits bone mass by promoting osteoclastogenesis. *Journal of Clinical Investigation*, **2013**, 123, 4731-8 | 15.9 | 108 |
| 30 | Monoamine oxidases are mediators of endothelial dysfunction in the mouse aorta. *Hypertension*, **2013**, 62, 140-6 | 8.5 | 63 |
| 29 | The Nox family of NADPH oxidases: friend or foe of the vascular system?. *Current Hypertension Reports*, **2012**, 14, 70-8 | 4.7 | 108 |
| 28 | Integrin 71 is a redox-regulated target of hydrogen peroxide in vascular smooth muscle cell adhesion. *Free Radical Biology and Medicine*, **2012**, 53, 521-31 | 7.8 | 42 |
| 27 | Role of Nox4 in murine models of kidney disease. *Free Radical Biology and Medicine*, **2012**, 53, 842-53 | 7.8 | 118 |
| 26 | Nox4 is a protective reactive oxygen species generating vascular NADPH oxidase. *Circulation Research*, **2012**, 110, 1217-25 | 15.7 | 452 |
| 25 | Activation of thromboxane receptor modulates interleukin-1nduced monocyte adhesion--a novel role of Nox1. *Free Radical Biology and Medicine*, **2012**, 52, 1760-6 | 7.8 | 11 |

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| 24 | Liver fibrosis and hepatocyte apoptosis are attenuated by GKT137831, a novel NOX4/NOX1 inhibitor in vivo. *Free Radical Biology and Medicine*, **2012**, 53, 289-96 | 7.8 | 177 |
| 23 | Leptin potentiates endothelium-dependent relaxation by inducing endothelial expression of neuronal NO synthase. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 1605-12 | 9.4 | 44 |
| 22 | NADPH oxidase-4 maintains neuropathic pain after peripheral nerve injury. *Journal of Neuroscience*, **2012**, 32, 10136-45 | 6.6 | 77 |
| 21 | Antibiotic-impregnated bone grafts in orthopaedic and trauma surgery: a systematic review of the literature. *International Journal of Biomaterials*, **2012**, 2012, 538061 | 3.2 | 28 |
| 20 | Hepatocyte growth factor induces a proangiogenic phenotype and mobilizes endothelial progenitor cells by activating Nox2. *Antioxidants and Redox Signaling*, **2011**, 15, 915-23 | 8.4 | 35 |
| 19 | Inhibition of the JAK-2/STAT3 signaling pathway impedes the migratory and invasive potential of human glioblastoma cells. *Journal of Neuro-Oncology*, **2011**, 101, 393-403 | 4.8 | 101 |
| 18 | Levosimendan attenuates pulmonary vascular remodeling. *Intensive Care Medicine*, **2011**, 37, 1368-77 | 14.5 | 45 |
| 17 | The E-loop is involved in hydrogen peroxide formation by the NADPH oxidase Nox4. *Journal of Biological Chemistry*, **2011**, 286, 13304-13 | 5.4 | 371 |
| 16 | NADPH oxidase-4 mediates protection against chronic load-induced stress in mouse hearts by enhancing angiogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 18121-6 | 11.5 | 347 |
| 15 | Nox4 is a novel inducible source of reactive oxygen species in monocytes and macrophages and mediates oxidized low density lipoprotein-induced macrophage death. *Circulation Research*, **2010**, 106, 1489-97 | 15.7 | 120 |
| 14 | Isoform specific functions of Nox protein-derived reactive oxygen species in the vasculature. *Current Opinion in Pharmacology*, **2010**, 10, 122-6 | 5.1 | 32 |
| 13 | NADPH oxidase Nox1 contributes to ischemic injury in experimental stroke in mice. *Neurobiology of Disease*, **2010**, 40, 185-92 | 7.5 | 76 |
| 12 | NADPH oxidases in cardiovascular disease. *Free Radical Biology and Medicine*, **2010**, 49, 687-706 | 7.8 | 207 |
| 11 | Nox4 acts as a switch between differentiation and proliferation in preadipocytes. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 239-45 | 9.4 | 196 |
| 10 | NADPH oxidase Nox2 is required for hypoxia-induced mobilization of endothelial progenitor cells. *Circulation Research*, **2009**, 105, 537-44 | 15.7 | 89 |
| 9 | NADPH oxidases are responsible for the failure of nitric oxide to inhibit migration of smooth muscle cells exposed to high glucose. *Free Radical Biology and Medicine*, **2009**, 47, 1578-83 | 7.8 | 29 |
| 8 | Identification of structural elements in Nox1 and Nox4 controlling localization and activity. *Antioxidants and Redox Signaling*, **2009**, 11, 1279-87 | 8.4 | 112 |
| 7 | Composition and functions of vascular nicotinamide adenine dinucleotide phosphate oxidases. *Trends in Cardiovascular Medicine*, **2008**, 18, 15-9 | 6.9 | 52 |

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|---|---|---|---|
| 6 | Apocynin is not an inhibitor of vascular NADPH oxidases but an antioxidant. *Hypertension*, **2008**, 51, 211-7 | 7.5 | 613 |
| 5 | Differential vascular functions of Nox family NADPH oxidases. *Current Opinion in Lipidology*, **2008**, 19, 513-8 | 4.4 | 68 |
| 4 | Nox1 mediates basic fibroblast growth factor-induced migration of vascular smooth muscle cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1736-43 | 9.4 | 121 |
| 3 | Xanthine oxidase inhibitor tungsten prevents the development of atherosclerosis in ApoE knockout mice fed a Western-type diet. *Free Radical Biology and Medicine*, **2006**, 41, 1353-60 | 7.8 | 67 |
| 2 | Interferon-alpha inhibits interleukin-3-induced proliferation of Ba/F3 cells in a protein kinase R-dependent manner. *Cellular Signalling*, **2004**, 16, 167-74 | 4.9 | |
| 1 | Hydrogen peroxide formation by Nox4 limits malignant transformation | | 7 |