Karen Bedard

List of Publications by Year
in descending order

33 papers	8,092 citations	257101 24 h-index	395343 33 g-index
33 all docs	33 docs citations	33 times ranked	12523 citing authors

#	Article	IF	Citations
1	The NOX Family of ROS-Generating NADPH Oxidases: Physiology and Pathophysiology. Physiological Reviews, 2007, 87, 245-313.	13.1	5,781
2	NOX4 activity is determined by mRNA levels and reveals a unique pattern of ROS generation. Biochemical Journal, 2007, 406, 105-114.	1.7	553
3	NOX family NADPH oxidases: Not just in mammals. Biochimie, 2007, 89, 1107-1112.	1.3	269
4	NOX5 is expressed at the plasma membrane and generates superoxide in response to protein kinase C activation. Biochimie, 2007, 89, 1159-1167.	1.3	132
5	Cellular Functions of Endoplasmic Reticulum Chaperones Calreticulin, Calnexin, and ERp57. International Review of Cytology, 2005, 245, 91-121.	6.2	130
6	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. Nature Genetics, 2017, 49, 993-1004.	9.4	114
7	NADPH oxidase (NOX) isoforms are inhibited by celastrol with a dual mode of action. British Journal of Pharmacology, 2011, 164, 507-520.	2.7	105
8	NOX5: from basic biology to signaling and disease. Free Radical Biology and Medicine, 2012, 52, 725-734.	1.3	102
9	Phenotypic Overlap Between Familial Exudative Vitreoretinopathy and Microcephaly, Lymphedema, and Chorioretinal Dysplasia Caused byKIF11Mutations. JAMA Ophthalmology, 2014, 132, 1393.	1.4	95
10	Focused chemical genomics using zebrafish xenotransplantation as a pre-clinical therapeutic platform for T-cell acute lymphoblastic leukemia. Haematologica, 2015, 100, 70-76.	1.7	84
11	Mutation in Pyrroline-5-Carboxylate Reductase 1 Gene in Families with Cutis Laxa Type 2. American Journal of Human Genetics, 2009, 85, 120-129.	2.6	81
12	Calnexin Deficiency Leads to Dysmyelination. Journal of Biological Chemistry, 2010, 285, 18928-18938.	1.6	62
13	NOX4 Expression in Human Microglia Leads to Constitutive Generation of Reactive Oxygen Species and to Constitutive IL-6 Expression. Journal of Innate Immunity, 2009, 1, 570-581.	1.8	60
14	Mutation in the Gene Encoding Ubiquitin Ligase LRSAM1 in Patients with Charcot-Marie-Tooth Disease. PLoS Genetics, 2010, 6, e1001081.	1.5	59
15	Germline Mutations in MAP3K6 Are Associated with Familial Gastric Cancer. PLoS Genetics, 2014, 10, e1004669.	1.5	57
16	Three common polymorphisms in theCYBAgene form a haplotype associated with decreased ROS generation. Human Mutation, 2009, 30, 1123-1133.	1.1	54
17	Endoplasmic reticulum stress in the absence of calnexin. Cell Stress and Chaperones, 2008, 13, 497-507.	1.2	46
18	Loss of the E3 ubiquitin ligase LRSAM1 sensitizes peripheral axons to degeneration in a mouse model of Charcot-Marie-Tooth disease. DMM Disease Models and Mechanisms, 2013, 6, 780-92.	1.2	44

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19	NADPH Oxidase 1 Deficiency Alters Caveolin Phosphorylation and Angiotensin IIâ€“Receptor Localization in Vascular Smooth Muscle. Antioxidants and Redox Signaling, 2009, 11, 2371-2384.	2.5	36
20	NOX enzymes in immuno-inflammatory pathologies. Seminars in Immunopathology, 2008, 30, 193-194.	2.8	35
21	Resveratrol, piperine and apigenin differ in their NADPH-oxidase inhibitory and reactive oxygen species-scavenging properties. Phytomedicine, 2016, 23, 1494-1503.	2.3	31
22	Strategies for Overcoming Resistance in Tumours Harboring BRAF Mutations. International Journal of Molecular Sciences, 2017, 18, 585.	1.8	28
23	Sequential assessment of an antidrug antibody response in a patient with a systemic delayed-onset sulphonamide hypersensitivity syndrome reaction. British Journal of Dermatology, 2000, 142, 253-258.	1.4	27
24	Cytoprotection Following Endoplasmic Reticulum Stress Protein Induction in Continuous Cell Lines. Basic and Clinical Pharmacology and Toxicology, 2004, 94, 124-131.	1.2	27
25	A novel rearrangement of occludin causes brain calcification and renal dysfunction. Human Genetics, 2013, 132, 1223-1234.	1.8	24
26	Challenges, Progresses, and Promises for Developing Future NADPH Oxidase Therapeutics. Antioxidants and Redox Signaling, 2015, 23, 355-357.	2.5	16
27	Disruption of the endoplasmic reticulum by cytotoxins in LLC-PK1 cells. Toxicology Letters, 2005, 159, 154-163.	0.4	10
28	Novel spliceâ€site mutation in <scp>ATP8B1</scp> results in atypical <scp>P</scp>rogressive <scp>F</scp>amilial <scp>I</scp>ntrahepatic <scp>C</scp>holestasis <scp>T</scp>ype 1. Journal of Gastroenterology and Hepatology (Australia), 2013, 28, 560-564.	1.4	8
29	The Long Evans Cinnamon (LEC) rat develops hepatocellular damage in the absence of antimicrosomal antibodies. Toxicology, 2000, 146, 101-109.	2.0	6
30	Editorial: Genetic mappingâ€”the path of discovery for novel functions of the NOX NADPH oxidases. Journal of Leukocyte Biology, 2009, 86, 461-463.	1.5	6
31	Extensive Natural Variation for Cellular Hydrogen Peroxide Release Is Genetically Controlled. PLoS ONE, 2012, 7, e43566.	1.1	5
32	Cell-free Screening for NOX Inhibitors. Chemistry and Biology, 2012, 19, 664-665.	6.2	4
33	Zebrafish Xenotransplantation and Focused Chemical Genomics: A Preclinical Therapeutic Model For T-Cell Acute Lymphoblastic Leukemia. Blood, 2013, 122, 2670-2670.	0.6	1