

Karen Bedard

List of Publications by Year in descending order

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33
papers

8,092
citations

257450

24
h-index

395702

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. <i>Physiological Reviews</i> , 2007, 87, 245-313.	28.8	5,781
2	NOX4 activity is determined by mRNA levels and reveals a unique pattern of ROS generation. <i>Biochemical Journal</i> , 2007, 406, 105-114.	3.7	553
3	NOX family NADPH oxidases: Not just in mammals. <i>Biochimie</i> , 2007, 89, 1107-1112.	2.6	269
4	NOX5 is expressed at the plasma membrane and generates superoxide in response to protein kinase C activation. <i>Biochimie</i> , 2007, 89, 1159-1167.	2.6	132
5	Cellular Functions of Endoplasmic Reticulum Chaperones Calreticulin, Calnexin, and ERp57. <i>International Review of Cytology</i> , 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. <i>Nature Genetics</i> , 2017, 49, 993-1004.	21.4	114
7	NADPH oxidase (NOX) isoforms are inhibited by celastrol with a dual mode of action. <i>British Journal of Pharmacology</i> , 2011, 164, 507-520.	5.4	105
8	NOX5: from basic biology to signaling and disease. <i>Free Radical Biology and Medicine</i> , 2012, 52, 725-734.	2.9	102
9	Phenotypic Overlap Between Familial Exudative Vitreoretinopathy and Microcephaly, Lymphedema, and Chorioretinal Dysplasia Caused by <i>KIF11</i> Mutations. <i>JAMA Ophthalmology</i> , 2014, 132, 1393.	2.5	95
10	Focused chemical genomics using zebrafish xenotransplantation as a pre-clinical therapeutic platform for T-cell acute lymphoblastic leukemia. <i>Haematologica</i> , 2015, 100, 70-76.	3.5	84
11	Mutation in Pyrroline-5-Carboxylate Reductase 1 Gene in Families with Cutis Laxa Type 2. <i>American Journal of Human Genetics</i> , 2009, 85, 120-129.	6.2	81
12	Calnexin Deficiency Leads to Dysmyelination. <i>Journal of Biological Chemistry</i> , 2010, 285, 18928-18938.	3.4	62
13	NOX4 Expression in Human Microglia Leads to Constitutive Generation of Reactive Oxygen Species and to Constitutive IL-6 Expression. <i>Journal of Innate Immunity</i> , 2009, 1, 570-581.	3.8	60
14	Mutation in the Gene Encoding Ubiquitin Ligase LRSAM1 in Patients with Charcot-Marie-Tooth Disease. <i>PLoS Genetics</i> , 2010, 6, e1001081.	3.5	59
15	Germline Mutations in MAP3K6 Are Associated with Familial Gastric Cancer. <i>PLoS Genetics</i> , 2014, 10, e1004669.	3.5	57
16	Three common polymorphisms in the <i>CYBA</i> gene form a haplotype associated with decreased ROS generation. <i>Human Mutation</i> , 2009, 30, 1123-1133.	2.5	54
17	Endoplasmic reticulum stress in the absence of calnexin. <i>Cell Stress and Chaperones</i> , 2008, 13, 497-507.	2.9	46
18	Loss of the E3 ubiquitin ligase LRSAM1 sensitizes peripheral axons to degeneration in a mouse model of Charcot-Marie-Tooth disease. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 780-92.	2.4	44

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19	NADPH Oxidase 1 Deficiency Alters Caveolin Phosphorylation and Angiotensin II Receptor Localization in Vascular Smooth Muscle. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2371-2384.	5.4	36
20	NOX enzymes in immuno-inflammatory pathologies. <i>Seminars in Immunopathology</i> , 2008, 30, 193-194.	6.1	35
21	Resveratrol, piperine and apigenin differ in their NADPH-oxidase inhibitory and reactive oxygen species-scavenging properties. <i>Phytomedicine</i> , 2016, 23, 1494-1503.	5.3	31
22	Strategies for Overcoming Resistance in Tumours Harboring BRAF Mutations. <i>International Journal of Molecular Sciences</i> , 2017, 18, 585.	4.1	28
23	Sequential assessment of an antidrug antibody response in a patient with a systemic delayed-onset sulphonamide hypersensitivity syndrome reaction. <i>British Journal of Dermatology</i> , 2000, 142, 253-258.	1.5	27
24	Cytoprotection Following Endoplasmic Reticulum Stress Protein Induction in Continuous Cell Lines. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2004, 94, 124-131.	2.5	27
25	A novel rearrangement of occludin causes brain calcification and renal dysfunction. <i>Human Genetics</i> , 2013, 132, 1223-1234.	3.8	24
26	Challenges, Progresses, and Promises for Developing Future NADPH Oxidase Therapeutics. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 355-357.	5.4	16
27	Disruption of the endoplasmic reticulum by cytotoxins in LLC-PK1 cells. <i>Toxicology Letters</i> , 2005, 159, 154-163.	0.8	10
28	Novel splice site mutation in <i>ATP8B1</i> results in atypical progressive familial intrahepatic cholestasis type 1. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2013, 28, 560-564.	2.8	8
29	The Long Evans Cinnamon (LEC) rat develops hepatocellular damage in the absence of antimicrobial antibodies. <i>Toxicology</i> , 2000, 146, 101-109.	4.2	6
30	Editorial: Genetic mapping—the path of discovery for novel functions of the NOX NADPH oxidases. <i>Journal of Leukocyte Biology</i> , 2009, 86, 461-463.	3.3	6
31	Extensive Natural Variation for Cellular Hydrogen Peroxide Release Is Genetically Controlled. <i>PLoS ONE</i> , 2012, 7, e43566.	2.5	5
32	Cell-free Screening for NOX Inhibitors. <i>Chemistry and Biology</i> , 2012, 19, 664-665.	6.0	4
33	Zebrafish Xenotransplantation and Focused Chemical Genomics: A Preclinical Therapeutic Model For T-Cell Acute Lymphoblastic Leukemia. <i>Blood</i> , 2013, 122, 2670-2670.	1.4	1