Benoit Boivin

List of Publications by Year
in descending order

21 papers	1,566 citations	623734 14 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	2569 citing authors

#	Article	IF	Citations
1	Protein tyrosine phosphatase 1B regulates miR-208b-argonaute 2 association and thyroid hormone responsiveness in cardiac hypertrophy. Science Signaling, 2022, 15, eabn6875.	3.6	5
2	Regulation of PTP1B activation through disruption of redox-complex formation. Nature Chemical Biology, 2020, 16, 122-125.	8.0	21
3	In Vitro Activity Assays to Quantitatively Assess the Endogenous Reversible Oxidation State of Protein Tyrosine Phosphatases in Cells. Current Protocols in Chemical Biology, 2020, 12, e84.	1.7	2
4	Bicarbonate is essential for protein-tyrosine phosphatase 1B (PTP1B) oxidation and cellular signaling through EGF-triggered phosphorylation cascades. Journal of Biological Chemistry, 2019, 294, 12330-12338.	3.4	51
5	Endothelial and Epithelial Cell Transition to a Mesenchymal Phenotype Was Delineated by Nestin Expression. Journal of Cellular Physiology, 2016, 231, 1601-1610.	4.1	9
6	Reversible oxidation controls the activity and oligomeric state of the mammalian phosphoglycolate phosphatase AUM. Free Radical Biology and Medicine, 2016, 97, 75-84.	2.9	16
7	PTP1B: mediating ROS signaling to silence genes. Molecular and Cellular Oncology, 2015, 2, e975633.	0.7	6
8	Dephosphorylation of Tyrosine 393 in Argonaute 2 by Protein Tyrosine Phosphatase 1B Regulates Gene Silencing in Oncogenic RAS-Induced Senescence. Molecular Cell, 2014, 55, 782-790.	9.7	65
9	Receptor Protein-tyrosine Phosphatase Î± Regulates Focal Adhesion Kinase Phosphorylation and ErbB2 Oncoprotein-mediated Mammary Epithelial Cell Motility. Journal of Biological Chemistry, 2013, 288, 36926-36935.	3.4	17
10	Selective activation of oxidized PTP1B by the thioredoxin system modulates PDGF-Î² receptor tyrosine kinase signaling. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13398-13403.	7.1	89
11	Characterization of hsp27 kinases activated by elevated aortic pressure in heart. Molecular and Cellular Biochemistry, 2012, 371, 31-42.	3.1	6
12	Analysis of the Redox Regulation of Protein Tyrosine Phosphatase Superfamily Members Utilizing a Cysteinyl-Labeling Assay. Methods in Enzymology, 2010, 474, 35-50.	1.0	13
13	Targeting the Reversibly Oxidized Protein Tyrosine Phosphatase Superfamily. Science Signaling, 2010, 3, pl2.	3.6	48
14	Reactive Oxygen Species Enhance Insulin Sensitivity. Cell Metabolism, 2009, 10, 260-272.	16.2	509
15	Superoxide dismutase 1 (SOD1) is essential for H ₂ O ₂ -mediated oxidation and inactivation of phosphatases in growth factor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7147-7152.	7.1	221
16	G Protein-Coupled Receptors in and on the Cell Nucleus: A New Signaling Paradigm?. Journal of Receptor and Signal Transduction Research, 2008, 28, 15-28.	2.5	111
17	A modified cysteinyl-labeling assay reveals reversible oxidation of protein tyrosine phosphatases in angiomyolipoma cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9959-9964.	7.1	86
18	Functional Î²-adrenergic receptor signalling on nuclear membranes in adult rat and mouse ventricular cardiomyocytes. Cardiovascular Research, 2006, 71, 69-78.	3.8	121

#	Article	IF	Citations
19	Sub-cellular distribution of endothelin signaling pathway components in ventricular myocytes and heart: lack of preformed caveolar signalosomes. Journal of Molecular and Cellular Cardiology, 2005, 38, 665-676.	1.9	34
20	Regulation of membrane-bound PKC in adult cardiac ventricular myocytes. Cellular Signalling, 2003, 15, 217-224.	3.6	11
21	Functional Endothelin Receptors Are Present on Nuclei in Cardiac Ventricular Myocytes. Journal of Biological Chemistry, 2003, 278, 29153-29163.	3.4	125