# 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 | Reactive Oxygen Species Enhance Insulin Sensitivity. Cell Metabolism, 2009, 10, 260-272. | 16.2 | 509 |
| 2 | Superoxide dismutase 1 (SOD1) is essential for H <sub>2</sub> O <sub>2</sub> -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 |
| 3 | Functional Endothelin Receptors Are Present on Nuclei in Cardiac Ventricular Myocytes. Journal of Biological Chemistry, 2003, 278, 29153-29163. | 3.4 | 125 |
| 4 | Functional Î²-adrenergic receptor signalling on nuclear membranes in adult rat and mouse ventricular cardiomyocytes. Cardiovascular Research, 2006, 71, 69-78. | 3.8 | 121 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 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 | 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 |
| 10 | Targeting the Reversibly Oxidized Protein Tyrosine Phosphatase Superfamily. Science Signaling, 2010, 3, pl2. | 3.6 | 48 |
| 11 | 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 |
| 12 | Regulation of PTP1B activation through disruption of redox-complex formation. Nature Chemical Biology, 2020, 16, 122-125. | 8.0 | 21 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Regulation of membrane-bound PKC in adult cardiac ventricular myocytes. Cellular Signalling, 2003, 15, 217-224. | 3.6 | 11 |
| 17 | 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 |
| 18 | Characterization of hsp27 kinases activated by elevated aortic pressure in heart. Molecular and Cellular Biochemistry, 2012, 371, 31-42. | 3.1 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | PTP1B: mediating ROS signaling to silence genes. Molecular and Cellular Oncology, 2015, 2, e975633. | 0.7 | 6 |
| 20 | 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 |
| 21 | 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 |