

Justin A Macdonald

List of Publications by Year in descending order

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Version: 2024-02-01

121
papers

5,175
citations

109137

35
h-index

95083

68
g-index

127
all docs

127
docs citations

127
times ranked

6607
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Death-associated protein kinases and intestinal epithelial homeostasis. <i>Anatomical Record</i> , 2023, 306, 1062-1087. | 0.8 | 4 |
| 2 | Extracellular cathepsin Z signals through the $\beta 5$ integrin and augments NLRP3 inflammasome activation. <i>Journal of Biological Chemistry</i> , 2022, 298, 101459. | 1.6 | 10 |
| 3 | Simultaneous binding of the N- and C-terminal cytoplasmic domains of aquaporin 4 to calmodulin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183837. | 1.4 | 4 |
| 4 | Network analysis of TCGA and GTEx gene expression datasets for identification of trait-associated biomarkers in human cancer. <i>STAR Protocols</i> , 2022, 3, 101168. | 0.5 | 6 |
| 5 | Mechanisms by which smoothelin-like protein 1 reverses insulin resistance in myotubules and mice. <i>Molecular and Cellular Endocrinology</i> , 2022, 551, 111663. | 1.6 | 1 |
| 6 | Molecular Network Analyses Implicate Death-Associated Protein Kinase 3 (DAPK3) as a Key Factor in Colitis-Associated Dysplasia Progression. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 1485-1496. | 0.9 | 3 |
| 7 | Childhood disadvantage and adolescent socioemotional wellbeing as predictors of future parenting behaviour. <i>Journal of Adolescence</i> , 2021, 86, 90-100. | 1.2 | 5 |
| 8 | Chemical Modulation of the 1-(Piperidin-4-yl)-1,3-dihydro-2H-benzo[d]imidazole-2-one Scaffold as a Novel NLRP3 Inhibitor. <i>Molecules</i> , 2021, 26, 3975. | 1.7 | 10 |
| 9 | Network analysis identifies DAPK3 as a potential biomarker for lymphatic invasion and colon adenocarcinoma prognosis. <i>IScience</i> , 2021, 24, 102831. | 1.9 | 5 |
| 10 | Tissue-selective alternate promoters guide NLRP6 expression. <i>Life Science Alliance</i> , 2021, 4, e202000897. | 1.3 | 1 |
| 11 | ATP-Binding and Hydrolysis in Inflammasome Activation. <i>Molecules</i> , 2020, 25, 4572. | 1.7 | 43 |
| 12 | Targeting Aquaporin-4 Subcellular Localization to Treat Central Nervous System Edema. <i>Cell</i> , 2020, 181, 784-799.e19. | 13.5 | 271 |
| 13 | Inflammasomes: Intracellular mediators of immune defense. <i>Archives of Biochemistry and Biophysics</i> , 2019, 670, 1-3. | 1.4 | 0 |
| 14 | Smoothelin-like 1 deletion enhances myogenic reactivity of mesenteric arteries with alterations in PKC and myosin phosphatase signaling. <i>Scientific Reports</i> , 2019, 9, 481. | 1.6 | 9 |
| 15 | Pregnane X Receptor Activation Triggers Rapid ATP Release in Primed Macrophages That Mediates NLRP3 Inflammasome Activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 370, 44-53. | 1.3 | 18 |
| 16 | Effects of phosphorylation on the NLRP3 inflammasome. <i>Archives of Biochemistry and Biophysics</i> , 2019, 670, 43-57. | 1.4 | 23 |
| 17 | Analyzing Recombinant Protein Production in <i>Pichia pastoris</i> with Targeted Proteomics. <i>Methods in Molecular Biology</i> , 2019, 1923, 187-209. | 0.4 | 1 |
| 18 | Rho-associated kinase and zipper-interacting protein kinase, but not myosin light chain kinase, are involved in the regulation of myosin phosphorylation in serum-stimulated human arterial smooth muscle cells. <i>PLoS ONE</i> , 2019, 14, e0226406. | 1.1 | 13 |

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|----|--|-----|-----------|
| 19 | Application of immobilized ATP to the study of NLRP inflammasomes. Archives of Biochemistry and Biophysics, 2019, 670, 104-115. | 1.4 | 13 |
| 20 | Differential mechanisms of adenosine α and ATP β -induced microvascular endothelial barrier strengthening. Journal of Cellular Physiology, 2019, 234, 5863-5879. | 2.0 | 14 |
| 21 | Smoothelins and the Control of Muscle Contractility. Advances in Pharmacology, 2018, 81, 39-78. | 1.2 | 13 |
| 22 | Quantitation of myosin regulatory light chain phosphorylation in biological samples with multiple reaction monitoring mass spectrometry. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 608-616. | 1.1 | 4 |
| 23 | Shiga Toxin/Lipopolysaccharide Activates Caspase-4 and Gasdermin D to Trigger Mitochondrial Reactive Oxygen Species Upstream of the NLRP3 Inflammasome. Cell Reports, 2018, 25, 1525-1536.e7. | 2.9 | 117 |
| 24 | Validation of chemical genetics for the study of zipper-interacting protein kinase signaling. Proteins: Structure, Function and Bioinformatics, 2018, 86, 1211-1217. | 1.5 | 4 |
| 25 | Tools and protocol for quantification of myosin phosphorylation with MRM-MS. MethodsX, 2018, 5, 466-474. | 0.7 | 0 |
| 26 | Regulation of Smooth Muscle Myosin Light Chain Phosphatase by Multisite Phosphorylation of the Myosin Targeting Subunit, MYPT1. Cardiovascular & Hematological Disorders Drug Targets, 2018, 18, 4-13. | 0.2 | 32 |
| 27 | Targeting Pim Kinases and DAPK3 to Control Hypertension. Cell Chemical Biology, 2018, 25, 1195-1207.e32. | 2.5 | 21 |
| 28 | Quantification of Inflammasome Adaptor Protein ASC in Biological Samples by Multiple-Reaction Monitoring Mass Spectrometry. Inflammation, 2018, 41, 1396-1408. | 1.7 | 5 |
| 29 | Renal immune surveillance and dipeptidase-1 contribute to contrast-induced acute kidney injury. Journal of Clinical Investigation, 2018, 128, 2894-2913. | 3.9 | 74 |
| 30 | Diastolic Dysfunction is Generated in Mice with Knockout of Smoothelin-like 1 Protein. FASEB Journal, 2018, 32, 232.3. | 0.2 | 0 |
| 31 | Binding of smoothelin-like 1 to tropomyosin and calmodulin is mutually exclusive and regulated by phosphorylation. BMC Biochemistry, 2017, 18, 5. | 4.4 | 3 |
| 32 | Exaggerated IL-15 and Altered Expression of foxp3+ Cell-Derived Cytokines Contribute to Enhanced Colitis in Nlrp3 α α Mice. Mediators of Inflammation, 2016, 2016, 1-12. | 1.4 | 1 |
| 33 | NLRP3 inflammasome inhibition is disrupted in a group of auto-inflammatory disease CAPS mutations. Nature Immunology, 2016, 17, 1176-1186. | 7.0 | 216 |
| 34 | A novel inhibitory effect of oxazol-5-one compounds on ROCKII signaling in human coronary artery vascular smooth muscle cells. Scientific Reports, 2016, 6, 32118. | 1.6 | 17 |
| 35 | Analysis of phosphorylation of the myosin-targeting subunit of myosin light chain phosphatase by Phos-tag SDS-PAGE. American Journal of Physiology - Cell Physiology, 2016, 310, C681-C691. | 2.1 | 16 |
| 36 | A Small Molecule Pyrazolo[3,4-d]Pyrimidinone Inhibitor of Zipper-Interacting Protein Kinase Suppresses Calcium Sensitization of Vascular Smooth Muscle. Molecular Pharmacology, 2016, 89, 105-117. | 1.0 | 19 |

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|----|--|-----|-----------|
| 37 | A tale of two threonines: myosin phosphatase inhibition and calcium sensitization of smooth muscle. <i>Journal of Physiology</i> , 2015, 593, 487-488. | 1.3 | 1 |
| 38 | In situ Analysis of Smoothelin-like 1 and Calmodulin Interactions in Smooth Muscle Cells by Proximity Ligation. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2667-2675. | 1.2 | 12 |
| 39 | Vitamin D3 Metabolites Enhance the NLRP3-Dependent Secretion of IL-1 β From Human THP-1 Monocytic Cells. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 711-720. | 1.2 | 37 |
| 40 | ERK and p38 MAPK pathways regulate myosin light chain phosphatase and contribute to Ca ²⁺ sensitization of intestinal smooth muscle contraction. <i>Neurogastroenterology and Motility</i> , 2015, 27, 135-146. | 1.6 | 15 |
| 41 | Gastrointestinal dysbiosis and the use of fecal microbial transplantation in <i>Clostridium difficile</i> infection. <i>World Journal of Gastrointestinal Pathophysiology</i> , 2015, 6, 169. | 0.5 | 12 |
| 42 | Novel Contributions of the Smoothelin-like 1 Protein in Vascular Smooth Muscle Contraction and its Potential Involvement in Myogenic Tone. <i>Microcirculation</i> , 2014, 21, 249-258. | 1.0 | 19 |
| 43 | Two domains of the smoothelin-like 1 protein bind apo- and calcium-calmodulin independently. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1580-1590. | 1.1 | 7 |
| 44 | Zipper-interacting protein kinase is a key regulator of vascular smooth muscle tone with implications in development of hypertension (676.18). <i>FASEB Journal</i> , 2014, 28, 676.18. | 0.2 | 0 |
| 45 | Prostate-apoptosis response-4 phosphorylation in vascular smooth muscle. <i>Archives of Biochemistry and Biophysics</i> , 2013, 535, 84-90. | 1.4 | 7 |
| 46 | The Nlrp3 inflammasome promotes myocardial dysfunction in structural cardiomyopathy through interleukin-1 β . <i>Experimental Physiology</i> , 2013, 98, 462-472. | 0.9 | 150 |
| 47 | Attenuation of <i>Clostridium difficile</i> toxin-induced damage to epithelial barrier by ecto-5'-nucleotidase (CD ₇₃) and adenosine receptor signaling. <i>Neurogastroenterology and Motility</i> , 2013, 25, e441-53. | 1.6 | 13 |
| 48 | Fluorescence Linked Enzyme Chemoproteomic Strategy for Discovery of a Potent and Selective DAPK1 and ZIPK Inhibitor. <i>ACS Chemical Biology</i> , 2013, 8, 2715-2723. | 1.6 | 41 |
| 49 | A Potential New Tool for Managing <i>Clostridium difficile</i> Infection. <i>Journal of Infectious Diseases</i> , 2013, 207, 1484-1486. | 1.9 | 5 |
| 50 | Effects of Nitric Oxide and Reactive Oxygen Species on HIF-1 α Stabilization Following <i>Clostridium Difficile</i> Toxin Exposure of the Caco-2 Epithelial Cell Line. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 417-430. | 1.1 | 9 |
| 51 | Biochemical and structural aspects of the ATP-binding domain in inflammasome-forming human NLRP proteins. <i>IUBMB Life</i> , 2013, 65, 851-862. | 1.5 | 67 |
| 52 | The P2Y6 Receptor Mediates <i>Clostridium difficile</i> Toxin-Induced CXCL8/IL-8 Production and Intestinal Epithelial Barrier Dysfunction. <i>PLoS ONE</i> , 2013, 8, e81491. | 1.1 | 43 |
| 53 | Two domains of the smoothelin-like 1 protein bind apo and calcium-calmodulin independently. <i>FASEB Journal</i> , 2013, 27, 1036.2. | 0.2 | 0 |
| 54 | Smoothelin-like 1 knock-out is associated with altered CPI-17 expression and myogenic tone.. <i>FASEB Journal</i> , 2013, 27, 922.1. | 0.2 | 0 |

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|----|---|------|-----------|
| 55 | Using Chemical Genetics to Define Zipper-Interacting Protein Kinase Signalling Events. <i>FASEB Journal</i> , 2013, 27, 835.3. | 0.2 | 0 |
| 56 | Intrarectal Instillation of Clostridium difficile Toxin A Triggers Colonic Inflammation and Tissue Damage: Development of a Novel and Efficient Mouse Model of Clostridium difficile Toxin Exposure. <i>Infection and Immunity</i> , 2012, 80, 4474-4484. | 1.0 | 50 |
| 57 | Cross-talk between Rho-associated Kinase and Cyclic Nucleotide-dependent Kinase Signaling Pathways in the Regulation of Smooth Muscle Myosin Light Chain Phosphatase. <i>Journal of Biological Chemistry</i> , 2012, 287, 36356-36369. | 1.6 | 45 |
| 58 | Intrinsically Disordered N-Terminus of Calponin Homology-Associated Smooth Muscle Protein (CHASM) Interacts with the Calponin Homology Domain to Enable Tropomyosin Binding. <i>Biochemistry</i> , 2012, 51, 2694-2705. | 1.2 | 10 |
| 59 | The airway epithelium nucleotide-binding domain and leucine-rich repeat protein 3 inflammasome is activated by urban particulate matter. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 1116-1125.e6. | 1.5 | 144 |
| 60 | Activation of neuronal P2X7 receptor-pannexin-1 mediates death of enteric neurons during colitis. <i>Nature Medicine</i> , 2012, 18, 600-604. | 15.2 | 369 |
| 61 | The contribution of protein kinase C and CPI-17 signaling pathways to hypercontractility in murine experimental colitis. <i>Neurogastroenterology and Motility</i> , 2012, 24, e15-26. | 1.6 | 17 |
| 62 | The myosin phosphatase targeting protein (MYPT) family: A regulated mechanism for achieving substrate specificity of the catalytic subunit of protein phosphatase type 1 λ . <i>Archives of Biochemistry and Biophysics</i> , 2011, 510, 147-159. | 1.4 | 217 |
| 63 | Guest editorial & introduction to the special issue. <i>Archives of Biochemistry and Biophysics</i> , 2011, 510, 73-75. | 1.4 | 1 |
| 64 | Differential effects of salvinorin A on endotoxin-induced hypermotility and neurogenic ion transport in mouse ileum. <i>Neurogastroenterology and Motility</i> , 2011, 23, 583-e212. | 1.6 | 10 |
| 65 | Mapping and functional characterization of the murine Smoothelin-like 1 promoter. <i>BMC Molecular Biology</i> , 2011, 12, 10. | 3.0 | 9 |
| 66 | NLRP3 inflammasome plays a key role in the regulation of intestinal homeostasis. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 1359-1372. | 0.9 | 366 |
| 67 | Chemical Genetics of Zipper-interacting Protein Kinase Reveal Myosin Light Chain as a Bona Fide Substrate in Permeabilized Arterial Smooth Muscle. <i>Journal of Biological Chemistry</i> , 2011, 286, 36978-36991. | 1.6 | 38 |
| 68 | MAPKs represent novel therapeutic targets for gastrointestinal motility disorders. <i>World Journal of Gastrointestinal Pathophysiology</i> , 2011, 2, 19. | 0.5 | 9 |
| 69 | Tropomyosin-binding properties of the CHASM protein are dependent upon its calponin homology domain. <i>FEBS Letters</i> , 2010, 584, 3311-3316. | 1.3 | 10 |
| 70 | Opportunities to Target Specific Contractile Abnormalities with Smooth Muscle Protein Kinase Inhibitors. <i>Pharmaceuticals</i> , 2010, 3, 1739-1760. | 1.7 | 7 |
| 71 | Extracts of the Rat Tapeworm, <i>Hymenolepis diminuta</i> , Suppress Macrophage Activation <i>In Vitro</i> and Alleviate Chemically Induced Colitis in Mice. <i>Infection and Immunity</i> , 2010, 78, 1364-1375. | 1.0 | 93 |
| 72 | Exploring the interplay of barrier function and leukocyte recruitment in intestinal inflammation by targeting fucosyltransferase VII and trefoil factor 3. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G43-G53. | 1.6 | 19 |

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|----|---|-----|-----------|
| 73 | Hypoxia-Inducible Factor Signaling Provides Protection in Clostridium difficile-Induced Intestinal Injury. Gastroenterology, 2010, 139, 259-269.e3. | 0.6 | 81 |
| 74 | Clostridium difficile Toxin-Induced Inflammation and Intestinal Injury Are Mediated by the Inflammasome. Gastroenterology, 2010, 139, 542-552.e3. | 0.6 | 198 |
| 75 | Zipper-Interacting Protein Kinase: Inferring Function In Smooth Muscle Contractility By Identifying Bona Fide Substrates. FASEB Journal, 2010, 24, 603.10. | 0.2 | 0 |
| 76 | Mitogen-Activated Protein Kinase Pathways Contribute to Hypercontractility and Increased Ca ²⁺ Sensitization in Murine Experimental Colitis. Molecular Pharmacology, 2009, 75, 1031-1041. | 1.0 | 38 |
| 77 | Targeting Hypoxia-Inducible Factor-1 (HIF-1) Signaling in Therapeutics: Implications for the Treatment of Inflammatory Bowel Disease. Recent Patents on Inflammation and Allergy Drug Discovery, 2009, 3, 1-16. | 3.9 | 40 |
| 78 | The role of the calponin homology domain of smoothelin-like 1 (SMTNL1) in myosin phosphatase inhibition and smooth muscle contraction. Molecular and Cellular Biochemistry, 2009, 327, 93-100. | 1.4 | 32 |
| 79 | Ca ²⁺ -independent contraction of longitudinal ileal smooth muscle is potentiated by a zipper-interacting protein kinase pseudosubstrate peptide. American Journal of Physiology - Renal Physiology, 2009, 297, G361-G370. | 1.6 | 14 |
| 80 | Glycation of wood frog (Rana sylvatica) hemoglobin and blood proteins: In vivo and in vitro studies. Cryobiology, 2009, 59, 223-225. | 0.3 | 11 |
| 81 | Parasitic helminths: a pharmacopeia of anti-inflammatory molecules. Parasitology, 2009, 136, 125-147. | 0.7 | 93 |
| 82 | Smooth muscle phenotypic plasticity in mechanical obstruction of the small intestine. Neurogastroenterology and Motility, 2008, 20, 737-740. | 1.6 | 14 |
| 83 | Solution Structure of the Calponin Homology (CH) Domain from the Smoothelin-like 1 Protein. Journal of Biological Chemistry, 2008, 283, 20569-20578. | 1.6 | 27 |
| 84 | Coimmunopurification of Phosphorylated Bacterial- and Plant-Type Phosphoenolpyruvate Carboxylases with the Plastidial Pyruvate Dehydrogenase Complex from Developing Castor Oil Seeds. Plant Physiology, 2008, 146, 1346-1357. | 2.3 | 41 |
| 85 | Purification of Smooth Muscle Myosin Phosphatase Using a Thiophosphorylated Myosin Light-Chain-Affinity Resin. , 2007, 365, 225-234. | | 1 |
| 86 | Characterization of protein kinase pathways responsible for Ca ²⁺ sensitization in rat ileal longitudinal smooth muscle. American Journal of Physiology - Renal Physiology, 2007, 293, G699-G710. | 1.6 | 51 |
| 87 | The effect of hibernation on protein phosphatases from ground squirrel organs. Archives of Biochemistry and Biophysics, 2007, 468, 234-243. | 1.4 | 14 |
| 88 | Staurosporine inhibition of zipper-interacting protein kinase contractile effects in gastrointestinal smooth muscle. Biochemistry and Cell Biology, 2007, 85, 111-120. | 0.9 | 11 |
| 89 | The regulation of smooth muscle contractility by zipper-interacting protein kinaseThis paper is one of a selection of papers published in this Special Issue, entitled Young Investigators' Forum.. Canadian Journal of Physiology and Pharmacology, 2007, 85, 79-87. | 0.7 | 66 |
| 90 | Inhibition of zipper-interacting protein kinase function in smooth muscle by a myosin light chain kinase pseudosubstrate peptide. American Journal of Physiology - Cell Physiology, 2007, 292, C1951-C1959. | 2.1 | 14 |

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|-----|---|-----|-----------|
| 91 | Identification of a 115kDa MAP-kinase activated by freezing and anoxic stresses in the marine periwinkle, <i>Littorina littorea</i> . <i>Archives of Biochemistry and Biophysics</i> , 2006, 450, 208-214. | 1.4 | 10 |
| 92 | Identification and characterization of D-AKAP1 as a major adipocyte PKA and PP1 binding protein. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 351-357. | 1.0 | 21 |
| 93 | Integrin-linked kinase is responsible for Ca ²⁺ -independent myosin diphosphorylation and contraction of vascular smooth muscle. <i>Biochemical Journal</i> , 2005, 392, 641-648. | 1.7 | 103 |
| 94 | Mitogen-activated protein kinases and selected downstream targets display organ-specific responses in the hibernating ground squirrel. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 679-691. | 1.2 | 47 |
| 95 | Temperature and phosphate effects on allosteric phenomena of phosphofructokinase from a hibernating ground squirrel (<i>Spermophilus lateralis</i>). <i>FEBS Journal</i> , 2005, 272, 120-8. | 2.2 | 8 |
| 96 | C-terminal Repeat Domain Kinase I Phosphorylates Ser2 and Ser5 of RNA Polymerase II C-terminal Domain Repeats. <i>Journal of Biological Chemistry</i> , 2004, 279, 24957-24964. | 1.6 | 112 |
| 97 | Smooth Muscle Phosphatase Is Regulated in Vivo by Exclusion of Phosphorylation of Threonine 696 of MYPT1 by Phosphorylation of Serine 695 in Response to Cyclic Nucleotides. <i>Journal of Biological Chemistry</i> , 2004, 279, 34496-34504. | 1.6 | 201 |
| 98 | Temperature and phosphate effects on allosteric phenomena of phosphofructokinase from a hibernating ground squirrel (<i>Spermophilus lateralis</i>). <i>FEBS Journal</i> , 2004, 272, 120-128. | 2.2 | 20 |
| 99 | Identification of the linker histone H1 as a protein kinase C μ -binding protein in vascular smooth muscle. <i>Biochemistry and Cell Biology</i> , 2004, 82, 538-546. | 0.9 | 8 |
| 100 | Modulation of smooth muscle contractility by CHASM, a novel member of the smoothelin family of proteins. <i>FEBS Letters</i> , 2004, 573, 207-213. | 1.3 | 35 |
| 101 | Analyzing biological function with emerging proteomic technologies. <i>International Congress Series</i> , 2004, 1275, 14-21. | 0.2 | 2 |
| 102 | Improving upon the in vitro biological activity of antithrombotic disulfides. <i>Blood Coagulation and Fibrinolysis</i> , 2004, 15, 447-450. | 0.5 | 26 |
| 103 | Proteomic Analysis of Calcium/Calmodulin-dependent Protein Kinase I and IV in Vitro Substrates Reveals Distinct Catalytic Preferences. <i>Journal of Biological Chemistry</i> , 2003, 278, 10516-10522. | 1.6 | 15 |
| 104 | Smooth Muscle Myosin Phosphatase-associated Kinase Induces Ca ²⁺ Sensitization via Myosin Phosphatase Inhibition. <i>Journal of Biological Chemistry</i> , 2002, 277, 23441-23446. | 1.6 | 82 |
| 105 | Phosphorylation of the myosin phosphatase target subunit by integrin-linked kinase. <i>Biochemical Journal</i> , 2002, 366, 211-216. | 1.7 | 158 |
| 106 | Purification and characterization of fructose biphosphate aldolase from the ground squirrel, <i>Spermophilus lateralis</i> : enzyme role in mammalian hibernation. <i>Archives of Biochemistry and Biophysics</i> , 2002, 408, 279-285. | 1.4 | 14 |
| 107 | Protein phosphatase type-1 from skeletal muscle of the freeze-tolerant wood frog. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 131, 27-36. | 0.7 | 11 |
| 108 | A Strategy for the Rapid Identification of Phosphorylation Sites in the Phosphoproteome. <i>Molecular and Cellular Proteomics</i> , 2002, 1, 314-322. | 2.5 | 46 |

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|-----|---|-----|-----------|
| 109 | Dual Ser and Thr phosphorylation of CPI-17, an inhibitor of myosin phosphatase, by MYPT-associated kinase. <i>FEBS Letters</i> , 2001, 493, 91-94. | 1.3 | 105 |
| 110 | Reassessment of the cold-labile nature of phosphofructokinase from a hibernating ground squirrel. , 2001, 225, 51-57. | | 8 |
| 111 | Identification of the endogenous smooth muscle myosin phosphatase-associated kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 2419-2424. | 3.3 | 201 |
| 112 | Site-specific Phosphorylation and Point Mutations of Telokin Modulate Its Ca ²⁺ -desensitizing Effect in Smooth Muscle. <i>Journal of Biological Chemistry</i> , 2001, 276, 24519-24524. | 1.6 | 51 |
| 113 | Structure-Activity Relationships for Selected Sulfur-Rich Antithrombotic Compounds. <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 421-424. | 1.0 | 26 |
| 114 | The muscle fatty acid binding protein of spadefoot toad (<i>Scaphiopus couchii</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2000, 125, 347-357. | 0.7 | 10 |
| 115 | Phosphorylation of telokin by cyclic nucleotide kinases and the identification of in vivo phosphorylation sites in smooth muscle. <i>FEBS Letters</i> , 2000, 479, 83-88. | 1.3 | 31 |
| 116 | Cyclic AMP-dependent protein kinase: role in anoxia and freezing tolerance of the marine periwinkle <i>Littorina littorea</i> . <i>Marine Biology</i> , 1999, 133, 193-203. | 0.7 | 32 |
| 117 | Regulation of Ground Squirrel Na ⁺ K ⁺ -ATPase Activity by Reversible Phosphorylation during Hibernation. <i>Biochemical and Biophysical Research Communications</i> , 1999, 254, 424-429. | 1.0 | 125 |
| 118 | cAMP-dependent protein kinase from brown adipose tissue: temperature effects on kinetic properties and enzyme role in hibernating ground squirrels. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1998, 168, 513-525. | 0.7 | 35 |
| 119 | Synthesis and Chlorination of Chloromethyl Methylsulfonylmethyl Sulfide. <i>Australian Journal of Chemistry</i> , 1997, 50, 683. | 0.5 | 12 |
| 120 | Fatty acid binding proteins and fatty acid catabolism in marine invertebrates: Peroxisomal β -oxidation. <i>Invertebrate Reproduction and Development</i> , 1994, 25, 73-82. | 0.3 | 23 |
| 121 | Recent Applications of Functional Proteomics: Investigations in Smooth Muscle Cell Physiology. , 0, , 255-277. | | 2 |