

Jonathan S Marchant

List of Publications by Year in descending order

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124
papers

5,058
citations

81839

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h-index

102432

66
g-index

130
all docs

130
docs citations

130
times ranked

3964
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | NAADP-binding proteins find their identity. Trends in Biochemical Sciences, 2022, 47, 235-249. | 3.7 | 15 |
| 2 | The ins and outs of virus trafficking through acidic Ca ²⁺ stores. Cell Calcium, 2022, 102, 102528. | 1.1 | 8 |
| 3 | Identification of a dihydropyridine scaffold that blocks ryanodine receptors. IScience, 2022, 25, 103706. | 1.9 | 2 |
| 4 | Activation of endo-lysosomal two-pore channels by NAADP and PI(3,5)P ₂ . Five things to know.. Cell Calcium, 2022, 103, 102543. | 1.1 | 10 |
| 5 | Inhibition of vitamin C transport impairs neuronal differentiation of hiPSCs. FASEB Journal, 2022, 36, . | 0.2 | 0 |
| 6 | Enteropathogenic Escherichia coli Infection Inhibits Intestinal Ascorbic Acid Uptake via Dysregulation of Its Transporter Expression. Digestive Diseases and Sciences, 2021, 66, 2250-2260. | 1.1 | 11 |
| 7 | Chemo-enzymatic synthesis of adenine substituted nicotinic acid adenine dinucleotide phosphate (NAADP) analogs. Bioorganic and Medicinal Chemistry, 2021, 30, 115901. | 1.4 | 3 |
| 8 | Upregulation of Vitamin C Transporter Functional Expression in 5xFAD Mouse Intestine. Nutrients, 2021, 13, 617. | 1.7 | 3 |
| 9 | Essential requirement for JPT2 in NAADP-evoked Ca ²⁺ signaling. Science Signaling, 2021, 14, . | 1.6 | 69 |
| 10 | The sigma 1 receptor: A local media influencer. Cell Calcium, 2021, 97, 102430. | 1.1 | 2 |
| 11 | Effect of Lipopolysaccharide and TNF α on Neuronal Ascorbic Acid Uptake. Mediators of Inflammation, 2021, 2021, 1-11. | 1.4 | 7 |
| 12 | NAADP receptors: A one-two.. Cell Calcium, 2021, 100, 102478. | 1.1 | 3 |
| 13 | Histone deacetylase inhibitors regulate vitamin C transporter functional expression in intestinal epithelial cells. Journal of Nutritional Biochemistry, 2021, 98, 108838. | 1.9 | 7 |
| 14 | Calsyntenin-3 interacts with the sodium-dependent vitamin C transporter-2 to regulate vitamin C uptake. International Journal of Biological Macromolecules, 2021, 192, 1178-1184. | 3.6 | 5 |
| 15 | Identification of novel modulators of a schistosome transient receptor potential channel targeted by praziquantel. PLoS Neglected Tropical Diseases, 2021, 15, e0009898. | 1.3 | 15 |
| 16 | Characterization of a new type of neuronal 5-HT G- protein coupled receptor in the cestode nervous system. PLoS ONE, 2021, 16, e0259104. | 1.1 | 3 |
| 17 | Mechanisms of SARS-CoV-2 neutralization by shark variable new antigen receptors elucidated through X-ray crystallography. Nature Communications, 2021, 12, 7325. | 5.8 | 22 |
| 18 | Genetic analysis of praziquantel response in schistosome parasites implicates a transient receptor potential channel. Science Translational Medicine, 2021, 13, eabj9114. | 5.8 | 42 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Mechanism of praziquantel action at a parasitic flatworm ion channel. <i>Science Translational Medicine</i> , 2021, 13, eabj5832. | 5.8 | 47 |
| 20 | The Journey to Discovering a Flatworm Target of Praziquantel: A Long TRP. <i>Trends in Parasitology</i> , 2020, 36, 182-194. | 1.5 | 47 |
| 21 | Ca ²⁺ Signaling and Regeneration. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035485. | 2.3 | 8 |
| 22 | The synthesis and characterization of a clickable-photoactive NAADP analog active in human cells. <i>Cell Calcium</i> , 2019, 83, 102060. | 1.1 | 7 |
| 23 | TMEM33 regulates intracellular calcium homeostasis in renal tubular epithelial cells. <i>Nature Communications</i> , 2019, 10, 2024. | 5.8 | 15 |
| 24 | Probing Ca ²⁺ release mechanisms using sea urchin egg homogenates. <i>Methods in Cell Biology</i> , 2019, 151, 445-458. | 0.5 | 3 |
| 25 | The anthelmintic drug praziquantel activates a schistosome transient receptor potential channel. <i>Journal of Biological Chemistry</i> , 2019, 294, 18873-18880. | 1.6 | 81 |
| 26 | MicroRNA-103a regulates sodium-dependent vitamin C transporter-1 expression in intestinal epithelial cells. <i>Journal of Nutritional Biochemistry</i> , 2019, 65, 46-53. | 1.9 | 8 |
| 27 | 5-Azido-8-ethynyl-NAADP: A bifunctional, clickable photoaffinity probe for the identification of NAADP receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1180-1188. | 1.9 | 15 |
| 28 | Enterotoxigenic <i>Escherichia coli</i> heat labile enterotoxin inhibits intestinal ascorbic acid uptake via a cAMP-dependent NF- κ B-mediated pathway. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G55-G63. | 1.6 | 8 |
| 29 | MicroRNA-103a plays a role in regulating human sodium-dependent vitamin C transporter (hSVCT1) in intestinal epithelial cells. <i>FASEB Journal</i> , 2019, 33, 826.2. | 0.2 | 0 |
| 30 | Heterologous Protein Expression in the <i>Xenopus</i> Oocyte. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.prot096990. | 0.2 | 5 |
| 31 | Inhibition of intestinal ascorbic acid uptake by lipopolysaccharide is mediated via transcriptional mechanisms. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 556-565. | 1.4 | 44 |
| 32 | Activation of host transient receptor potential (TRP) channels by praziquantel stereoisomers. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006420. | 1.3 | 19 |
| 33 | Structure-activity profiling of alkaloid natural product pharmacophores against a <i>Schistosoma</i> serotonin receptor. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 550-558. | 1.4 | 11 |
| 34 | Tumor necrosis factor alpha reduces intestinal vitamin C uptake: a role for NF- κ B-mediated signaling. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G241-G248. | 1.6 | 46 |
| 35 | NAADP-dependent Ca ²⁺ signaling regulates Middle East respiratory syndrome-coronavirus pseudovirus translocation through the endolysosomal system. <i>Cell Calcium</i> , 2018, 75, 30-41. | 1.1 | 93 |
| 36 | A screening campaign in sea urchin egg homogenate as a platform for discovering modulators of NAADP-dependent Ca ²⁺ signaling in human cells. <i>Cell Calcium</i> , 2018, 75, 42-52. | 1.1 | 25 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Unique pharmacological properties of serotonergic G-protein coupled receptors from cestodes. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006267. | 1.3 | 24 |
| 38 | Coalescing beneficial host and deleterious antiparasitic actions as an antischistosomal strategy. <i>ELife</i> , 2018, 7, . | 2.8 | 12 |
| 39 | Molecular mechanism(s) involved in differential expression of vitamin C transporters along the intestinal tract. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G340-G347. | 1.6 | 20 |
| 40 | The anthelmintic praziquantel is a human serotonergic G-protein-coupled receptor ligand. <i>Nature Communications</i> , 2017, 8, 1910. | 5.8 | 66 |
| 41 | Utilizing the planarian voltage-gated ion channel transcriptome to resolve a role for a Ca ²⁺ channel in neuromuscular function and regeneration. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1036-1045. | 1.9 | 17 |
| 42 | Psychoactive Drugs as a Route to Development of Novel Anti-Parasitic Agents. <i>FASEB Journal</i> , 2017, 31, . | 0.2 | 0 |
| 43 | A Miniaturized Screen of a <i>Schistosoma mansoni</i> Serotonergic G Protein-Coupled Receptor Identifies Novel Classes of Parasite-Selective Inhibitors. <i>PLoS Pathogens</i> , 2016, 12, e1005651. | 2.1 | 30 |
| 44 | Dataset for a <i>Dugesia japonica</i> de novo transcriptome assembly, utilized for defining the voltage-gated like ion channel superfamily. <i>Data in Brief</i> , 2016, 9, 1044-1047. | 0.5 | 12 |
| 45 | Pharmacological profiling an abundantly expressed schistosome serotonergic GPCR identifies nuciferine as a potent antagonist. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2016, 6, 364-370. | 1.4 | 19 |
| 46 | Kinetic profiling an abundantly expressed planarian serotonergic GPCR identifies bromocriptine as a perdurant antagonist. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2016, 6, 356-363. | 1.4 | 17 |
| 47 | Dysregulation of lysosomal morphology by pathogenic LRRK2 is corrected by two-pore channel 2 inhibition. <i>Journal of Cell Science</i> , 2015, 128, 232-8. | 1.2 | 148 |
| 48 | Two-pore channels at the intersection of endolysosomal membrane traffic. <i>Biochemical Society Transactions</i> , 2015, 43, 434-441. | 1.6 | 54 |
| 49 | Ergot Alkaloids (Re)generate New Leads as Antiparasitics. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004063. | 1.3 | 20 |
| 50 | Modulation of Elementary Calcium Release Mediates a Transition from Puffs to Waves in an IP3R Cluster Model. <i>PLoS Computational Biology</i> , 2015, 11, e1003965. | 1.5 | 25 |
| 51 | TPC1 Knockout Knocks Out TPC1. <i>Molecular and Cellular Biology</i> , 2015, 35, 1882-1883. | 1.1 | 5 |
| 52 | The Two-pore channel (TPC) interactome unmasks isoform-specific roles for TPCs in endolysosomal morphology and cell pigmentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13087-13092. | 3.3 | 109 |
| 53 | â€œDeath and Axesâ€™: Unexpected Ca ²⁺ Entry Phenologs Predict New Anti-schistosomal Agents. <i>PLoS Pathogens</i> , 2014, 10, e1003942. | 2.1 | 38 |
| 54 | Making Heads or Tails: Planarian Stem Cells in the Classroom. <i>Journal of Microbiology and Biology Education</i> , 2014, 15, 18-25. | 0.5 | 4 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Characterization of a flatworm inositol (1,4,5) trisphosphate receptor (IP3R) reveals a role in reproductive physiology. <i>Cell Calcium</i> , 2013, 53, 307-314. | 1.1 | 1 |
| 56 | Nuclear Microinjection to Assess How Heterologously Expressed Proteins Impact Ca ²⁺ Signals in <i>Xenopus</i> Oocytes. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072785. | 0.2 | 7 |
| 57 | Glyoxalate reductase/hydroxypyruvate reductase interacts with the sodium-dependent vitamin C transporter-1 to regulate cellular vitamin C homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, G1079-G1086. | 1.6 | 10 |
| 58 | Ca ²⁺ channels and praziquantel: A view from the free world. <i>Parasitology International</i> , 2013, 62, 619-628. | 0.6 | 55 |
| 59 | Modulation of Function of Sodium-Dependent Vitamin C Transporter 1 (SVCT1) by Rab8a in Intestinal Epithelial Cells: Studies Utilizing Caco-2 Cells and Rab8a Knockout Mice. <i>Digestive Diseases and Sciences</i> , 2013, 58, 641-649. | 1.1 | 6 |
| 60 | A Rapid Western Blotting Protocol for the <i>Xenopus</i> Oocyte. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072793. | 0.2 | 20 |
| 61 | The <i>Xenopus</i> Oocyte: A Single-Cell Model for Studying Ca ²⁺ Signaling. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.top066308. | 0.2 | 12 |
| 62 | Re-evaluation of the Role of Calcium Homeostasis Endoplasmic Reticulum Protein (CHERP) in Cellular Calcium Signaling. <i>Journal of Biological Chemistry</i> , 2013, 288, 355-367. | 1.6 | 77 |
| 63 | Questioning Regulation of Two-Pore Channels by NAADP. <i>Messenger (Los Angeles, Calif: Print)</i> , 2013, 2, 113-119. | 0.3 | 28 |
| 64 | Mitochondrial Uptake of Thiamin Pyrophosphate: Physiological and Cell Biological Aspects. <i>PLoS ONE</i> , 2013, 8, e73503. | 1.1 | 22 |
| 65 | Photoaffinity Labeling of Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Targets in Mammalian Cells*. <i>Journal of Biological Chemistry</i> , 2012, 287, 2296-2307. | 1.6 | 150 |
| 66 | The Molecular Basis for Ca ²⁺ Signalling by NAADP: Two-Pore Channels in a Complex?. <i>Messenger (Los Angeles, Calif: Print)</i> , 2012, 1, 63-76. | 0.3 | 22 |
| 67 | Photoaffinity Labeling of High Affinity Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP)-Binding Proteins in Sea Urchin Egg. <i>Journal of Biological Chemistry</i> , 2012, 287, 2308-2315. | 1.6 | 110 |
| 68 | Nicotinic Acid Adenine Dinucleotide 2'-Phosphate (NAADP) Binding Proteins in T-Lymphocytes. <i>Messenger (Los Angeles, Calif: Print)</i> , 2012, 1, 86-94. | 0.3 | 47 |
| 69 | Inositol (1,4,5)-Trisphosphate Receptor Microarchitecture Shapes Ca ²⁺ Puff Kinetics. <i>Biophysical Journal</i> , 2011, 100, 822-831. | 0.2 | 16 |
| 70 | Differential expression of human riboflavin transporters -1, -2, and -3 in polarized epithelia: A key role for hRFT-2 in intestinal riboflavin uptake. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 3016-3021. | 1.4 | 50 |
| 71 | Pharmacological and Functional Genetic Assays to Manipulate Regeneration of the Planarian <i>Dugesia japonica</i> . <i>Journal of Visualized Experiments</i> , 2011, , . | 0.2 | 15 |
| 72 | Role of cysteine residues in cell surface expression of the human riboflavin transporter-2 (hRFT2) in intestinal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G100-G109. | 1.6 | 27 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | The endo-lysosomal system as an NAADP-sensitive acidic Ca ²⁺ store: Role for the two-pore channels. <i>Cell Calcium</i> , 2011, 50, 157-167. | 1.1 | 60 |
| 74 | Opposing Roles of Voltage-Gated Ca ²⁺ Channels in Neuronal Control of Regenerative Patterning. <i>Journal of Neuroscience</i> , 2011, 31, 15983-15995. | 1.7 | 47 |
| 75 | Two-pore channels: Regulation by NAADP and customized roles in triggering calcium signals. <i>Cell Calcium</i> , 2010, 47, 480-490. | 1.1 | 86 |
| 76 | An Ancestral Deuterostome Family of Two-pore Channels Mediates Nicotinic Acid Adenine Dinucleotide Phosphate-dependent Calcium Release from Acidic Organelles. <i>Journal of Biological Chemistry</i> , 2010, 285, 2897-2901. | 1.6 | 112 |
| 77 | Molecular determinants dictating cell surface expression of the human sodium-dependent vitamin C transporter-2 in human liver cells. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G267-G274. | 1.6 | 17 |
| 78 | Localization and socialization: Experimental insights into the functional architecture of IP3 receptors. <i>Chaos</i> , 2009, 19, 037103. | 1.0 | 14 |
| 79 | Essential requirement for two-pore channel 1 in NAADP-mediated calcium signaling. <i>Journal of Cell Biology</i> , 2009, 186, 201-209. | 2.3 | 376 |
| 80 | Membrane targeting and intracellular trafficking of the human sodium-dependent multivitamin transporter in polarized epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C663-C671. | 2.1 | 36 |
| 81 | Dual Mechanisms of sHA 14-1 in Inducing Cell Death through Endoplasmic Reticulum and Mitochondria. <i>Molecular Pharmacology</i> , 2009, 76, 667-678. | 1.0 | 47 |
| 82 | A Novel Biological Activity of Praziquantel Requiring Voltage-Operated Ca ²⁺ Channel \hat{I}^2 Subunits: Subversion of Flatworm Regenerative Polarity. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e464. | 1.3 | 101 |
| 83 | Nuclear pore disassembly from endoplasmic reticulum membranes promotes Ca ²⁺ signalling competency. <i>Journal of Physiology</i> , 2008, 586, 2873-2888. | 1.3 | 17 |
| 84 | Molecular characterization of a novel cell surface ADP-ribosyl cyclase from the sea urchin. <i>Cellular Signalling</i> , 2008, 20, 2347-2355. | 1.7 | 15 |
| 85 | Timing in Cellular Ca ²⁺ Signaling. <i>Current Biology</i> , 2008, 18, R769-R776. | 1.8 | 52 |
| 86 | Enhanced Ca ²⁺ leak from ER Ca ²⁺ stores induced by hepatitis C NS5A protein. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 593-599. | 1.0 | 20 |
| 87 | N-Glycosylation is required for Na ⁺ -dependent vitamin C transporter functionality. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 123-127. | 1.0 | 42 |
| 88 | Apical membrane targeting and trafficking of the human proton-coupled transporter in polarized epithelia. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C233-C240. | 2.1 | 46 |
| 89 | Cell biology of the human proton-coupled folate transporter (hPCFT) in renal epithelial MDCK cells. <i>FASEB Journal</i> , 2008, 22, 1156.2. | 0.2 | 0 |
| 90 | Tight junction targeting and intracellular trafficking of occludin in polarized epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1717-C1726. | 2.1 | 29 |

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|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | The inositol 1,4,5-trisphosphate receptor (Itp _r) gene family in <i>Xenopus</i> : identification of type 2 and type 3 inositol 1,4,5-trisphosphate receptor subtypes. <i>Biochemical Journal</i> , 2007, 404, 383-391. | 1.7 | 11 |
| 92 | Targeting and intracellular trafficking of clinically relevant hTHTR1 mutations in human cell lines. <i>Clinical Science</i> , 2007, 113, 93-102. | 1.8 | 11 |
| 93 | Vitamin B1 (thiamine) uptake by human retinal pigment epithelial (ARPE-19) cells: mechanism and regulation. <i>Journal of Physiology</i> , 2007, 582, 73-85. | 1.3 | 24 |
| 94 | Molecular Characterization of a Novel Intracellular ADP-Ribosyl Cyclase. <i>PLoS ONE</i> , 2007, 2, e797. | 1.1 | 29 |
| 95 | Teaching genetics: A genomic science bootcamp. <i>Biochemist</i> , 2007, 29, 36-37. | 0.2 | 1 |
| 96 | Targeting and Trafficking of the Human Thiamine Transporter-2 in Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 5233-5245. | 1.6 | 37 |
| 97 | Calcium Influx: Beyond <i>Current</i> ™ Biology. <i>Current Biology</i> , 2006, 16, R548-R550. | 1.8 | 2 |
| 98 | Biotin-responsive basal ganglia disease-linked mutations inhibit thiamine transport via hTHTR2: biotin is not a substrate for hTHTR2. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C851-C859. | 2.1 | 73 |
| 99 | IP3 Receptor Activity Is Differentially Regulated in Endoplasmic Reticulum Subdomains during Oocyte Maturation. <i>Current Biology</i> , 2005, 15, 765-770. | 1.8 | 41 |
| 100 | Laterality in a non-visual sensory modality – the lateral line of fish. <i>Current Biology</i> , 2005, 15, R241-R242. | 1.8 | 43 |
| 101 | Cellular Signalling: STIMulating Calcium Entry. <i>Current Biology</i> , 2005, 15, R493-R495. | 1.8 | 14 |
| 102 | Improved <i>Optical Highlighter</i> Probes Derived from <i>Discosoma</i> Red Fluorescent Protein. <i>Biophysical Journal</i> , 2005, 88, 1444-1457. | 0.2 | 12 |
| 103 | A C-terminal Region Dictates the Apical Plasma Membrane Targeting of the Human Sodium-dependent Vitamin C Transporter-1 in Polarized Epithelia. <i>Journal of Biological Chemistry</i> , 2004, 279, 27719-27728. | 1.6 | 64 |
| 104 | Calcium-dependent Dephosphorylation Mediates the Hyperosmotic and Lysophosphatidic Acid-dependent Inhibition of Natriuretic Peptide Receptor-B/Guanylyl Cyclase-B. <i>Journal of Biological Chemistry</i> , 2004, 279, 48513-48519. | 1.6 | 31 |
| 105 | Expression and functional contribution of hTHTR-2 in thiamin absorption in human intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 286, G491-G498. | 1.6 | 104 |
| 106 | Cell Biology of the Human Thiamine Transporter-1 (hTHTR1). <i>Journal of Biological Chemistry</i> , 2003, 278, 3976-3984. | 1.6 | 59 |
| 107 | Polarized expression of members of the solute carrier SLC19A gene family of water-soluble multivitamin transporters: implications for physiological function. <i>Biochemical Journal</i> , 2003, 376, 43-48. | 1.7 | 37 |
| 108 | Intracellular Trafficking and Membrane Targeting Mechanisms of the Human Reduced Folate Carrier in Mammalian Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 33325-33333. | 1.6 | 40 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Structural and functional relationships between Ca ²⁺ puffs and mitochondria in <i>Xenopus</i> oocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 282, C1374-C1386. | 2.1 | 46 |
| 110 | Intracellular trafficking/membrane targeting of human reduced folate carrier expressed in <i>Xenopus</i> oocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G1477-G1486. | 1.6 | 22 |
| 111 | Role of elementary Ca ²⁺ puffs in generating repetitive Ca ²⁺ oscillations. <i>EMBO Journal</i> , 2001, 20, 65-76. | 3.5 | 190 |
| 112 | Multiphoton-evoked color change of DsRed as an optical highlighter for cellular and subcellular labeling. <i>Nature Biotechnology</i> , 2001, 19, 645-649. | 9.4 | 92 |
| 113 | <i>Xenopus tropicalis</i> oocytes as an advantageous model system for the study of intracellular Ca ²⁺ signalling. <i>British Journal of Pharmacology</i> , 2001, 132, 1396-1410. | 2.7 | 18 |
| 114 | Functional Interactions in Ca ²⁺ Signaling over Different Time and Distance Scales. <i>Journal of General Physiology</i> , 2000, 116, 691-696. | 0.9 | 19 |
| 115 | Acyclophostin: A Ribose-Modified Analog of Adenophostin A with High Affinity for Inositol 1,4,5-Trisphosphate Receptors and pH-Dependent Efficacy. <i>Molecular Pharmacology</i> , 1999, 55, 109-117. | 1.0 | 26 |
| 116 | Initiation of IP ₃ -mediated Ca ²⁺ waves in <i>Xenopus</i> oocytes. <i>EMBO Journal</i> , 1999, 18, 5285-5299. | 3.5 | 138 |
| 117 | A continuum of InsP ₃ -mediated elementary Ca ²⁺ signalling events in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1998, 509, 67-80. | 1.3 | 227 |
| 118 | Activation and co-ordination of InsP ₃ -mediated elementary Ca ²⁺ events during global Ca ²⁺ signals in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1998, 509, 81-91. | 1.3 | 154 |
| 119 | Rapid Activation and Partial Inactivation of Inositol Trisphosphate Receptors by Inositol Trisphosphate. <i>Biochemistry</i> , 1998, 37, 11524-11533. | 1.2 | 67 |
| 120 | Kinetics of elementary Ca ²⁺ puffs evoked in <i>Xenopus</i> oocytes by different Ins(1,4,5)P ₃ receptor agonists. <i>Biochemical Journal</i> , 1998, 334, 505-509. | 1.7 | 25 |
| 121 | Rapid kinetic measurements of ⁴⁵ Ca ²⁺ mobilization reveal that Ins(2,4,5)P ₃ is a partial agonist at hepatic InsP ₃ receptors. <i>Biochemical Journal</i> , 1997, 321, 573-576. | 1.7 | 35 |
| 122 | Disaccharide Polyphosphates Based upon Adenophostin A Activate Hepatic d-myo-Inositol 1,4,5-Trisphosphate Receptors. <i>Biochemistry</i> , 1997, 36, 12780-12790. | 1.2 | 71 |
| 123 | Cooperative activation of IP ₃ receptors by sequential binding of IP ₃ and Ca ²⁺ safeguards against spontaneous activity. <i>Current Biology</i> , 1997, 7, 510-518. | 1.8 | 150 |
| 124 | Inhibitory actions of GABA on rabbit urinary bladder muscle strips: mediation by potassium channels. <i>British Journal of Pharmacology</i> , 1995, 115, 81-83. | 2.7 | 13 |