# John Challiss

## List of Publications by Year in descending order

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|---|---|---|---|
| 162 papers | 6,654 citations | 57758 44 h-index | 79698 73 g-index |
| 162 all docs | 162 docs citations | 162 times ranked | 5355 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Î²1-adrenoceptor-stimulated lactate production in cultured astrocytes is predominantly glycogen-independent. Biochemical Pharmacology, 2020, 177, 114035. | 4.4 | 2 |
| 2 | Biased M1-muscarinic-receptor-mutant mice inform the design of next-generation drugs. Nature Chemical Biology, 2020, 16, 240-249. | 8.0 | 36 |
| 3 | Ligand-Specific Signaling Profiles and Resensitization Mechanisms of the Neuromedin U2 Receptor. Molecular Pharmacology, 2018, 94, 674-688. | 2.3 | 4 |
| 4 | Differential regulation of Î²2-adrenoceptor and adenosine A2B receptor signalling by GRK and arrestin proteins in arterial smooth muscle. Cellular Signalling, 2018, 51, 86-98. | 3.6 | 11 |
| 5 | Small-Molecule G Proteinâ€“Coupled Receptor Kinase Inhibitors Attenuate G Proteinâ€“Coupled Receptor Kinase 2â€“Mediated Desensitization of Vasoconstrictor-Induced Arterial Contractions. Molecular Pharmacology, 2018, 94, 1079-1091. | 2.3 | 12 |
| 6 | Nitric oxide-mediated posttranslational modifications control neurotransmitter release by modulating complexin farnesylation and enhancing its clamping ability. PLoS Biology, 2018, 16, e2003611. | 5.6 | 28 |
| 7 | Distinct and complementary roles for Î± and Î² isoenzymes of PKC in mediating vasoconstrictor responses to acutely elevated glucose. British Journal of Pharmacology, 2016, 173, 870-887. | 5.4 | 19 |
| 8 | An Antibody Biosensor Establishes the Activation of the M1 Muscarinic Acetylcholine Receptor during Learning and Memory. Journal of Biological Chemistry, 2016, 291, 8862-8875. | 3.4 | 34 |
| 9 | British Pharmacological Society, 5th Focused Meeting on Cell Signalling: Matters arising â€¦. British Journal of Pharmacology, 2015, 172, 3194-3195. | 5.4 | 0 |
| 10 | No evidence for altered intracellular calcium-handling in airway smooth muscle cells from human subjects with asthma. BMC Pulmonary Medicine, 2015, 15, 12. | 2.0 | 7 |
| 11 | Steady-State Modulation of Voltage-Gated K+ Channels in Rat Arterial Smooth Muscle by Cyclic AMP-Dependent Protein Kinase and Protein Phosphatase 2B. PLoS ONE, 2015, 10, e0121285. | 2.5 | 10 |
| 12 | [<scp><scp>Ca<sup>2+</sup></scp></scp>]<sub>i</sub> oscillations in <scp>ASM</scp>: Relationship with persistent airflow obstruction in asthma. Respirology, 2014, 19, 763-766. | 2.3 | 8 |
| 13 | Long-Term Channel Block Is Required to Inhibit Cellular Transformation by Human Ether-Ã-Go-Goâ€“Related Gene (hERG1) Potassium Channels. Molecular Pharmacology, 2014, 86, 211-221. | 2.3 | 11 |
| 14 | Regulation of neuronal plasticity and fear by a dynamic change in PAR1â€“G protein coupling in the amygdala. Molecular Psychiatry, 2013, 18, 1136-1145. | 7.9 | 17 |
| 15 | Nitric Oxide Synthesis and cGMP Production Is Important for Neurite Growth and Synapse Remodeling after Axotomy. Journal of Neuroscience, 2013, 33, 5626-5637. | 3.6 | 33 |
| 16 | Novel Structural and Functional Insights into M3 Muscarinic Receptor Dimer/Oligomer Formation. Journal of Biological Chemistry, 2013, 288, 34777-34790. | 3.4 | 26 |
| 17 | Increased Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4 Expression Mediates Intrinsic Airway Smooth Muscle Hypercontractility in Asthma. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 267-274. | 5.6 | 95 |
| 18 | Molecular mechanisms of muscarinic acetylcholine receptorâ€“stimulated increase in cytosolic free Ca2+ concentration and ERK1/2 activation in the MIN6 pancreatic Î²-cell line. Acta Diabetologica, 2012, 49, 277-289. | 2.5 | 13 |

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| 19 | Structural aspects of M <sub>3</sub> muscarinic acetylcholine receptor dimer formation and activation. FASEB Journal, 2012, 26, 604-616. | 0.5 | 34 |
| 20 | G protein-coupled receptor signalling in astrocytes in health and disease: A focus on metabotropic glutamate receptors. Biochemical Pharmacology, 2012, 84, 249-259. | 4.4 | 51 |
| 21 | FRET-Based Detection of M1 Muscarinic Acetylcholine Receptor Activation by Orthosteric and Allosteric Agonists. PLoS ONE, 2012, 7, e29946. | 2.5 | 17 |
| 22 | A model for Ca2+ oscillations stimulated by the type 5 metabotropic glutamate receptor: An unusual mechanism based on repetitive, reversible phosphorylation of the receptor. Biochimie, 2011, 93, 2132-2138. | 2.6 | 37 |
| 23 | Arrestins differentially regulate histamineâ€•and oxytocinâ€evoked phospholipase C and mitogenâ€activated protein kinase signalling in myometrial cells. British Journal of Pharmacology, 2011, 162, 1603-1617. | 5.4 | 23 |
| 24 | Defining protein kinase/phosphatase isoenzymic regulation of mGlu<sub>5</sub> receptorâ€stimulated phospholipase C and Ca<sup>2+</sup> responses in astrocytes. British Journal of Pharmacology, 2011, 164, 755-771. | 5.4 | 20 |
| 25 | Expression of Insect Olfactory Receptors for Biosensing on SAW Sensors. Procedia Computer Science, 2011, 7, 281-282. | 2.0 | 4 |
| 26 | Detection of ligand-elicited cellular responses using Surface Acoustic Wave biosensors. Procedia Computer Science, 2011, 7, 346-347. | 2.0 | 1 |
| 27 | Early Failure of N-Methyl-d-aspartate Receptors and Deficient Spine Formation Induced by Reduction of Regulatory Heme in Neurons. Molecular Pharmacology, 2011, 79, 844-854. | 2.3 | 9 |
| 28 | Quantitative Analysis Reveals Multiple Mechanisms of Allosteric Modulation of the mGlu5 Receptor in Rat Astroglia. Molecular Pharmacology, 2011, 79, 874-885. | 2.3 | 54 |
| 29 | G protein-coupled receptor kinase 2 and arrestin2 regulate arterial smooth muscle P2Y-purinoceptor signalling. Cardiovascular Research, 2011, 89, 193-203. | 3.8 | 34 |
| 30 | Principal role of adenylyl cyclase 6 in K+ channel regulation and vasodilator signalling in vascular smooth muscle cells. Cardiovascular Research, 2011, 91, 694-702. | 3.8 | 34 |
| 31 | GPCRâ€“G protein preassembly?. Nature Chemical Biology, 2011, 7, 657-658. | 8.0 | 8 |
| 32 | Clustered Coding Variants in the Glutamate Receptor Complexes of Individuals with Schizophrenia and Bipolar Disorder. PLoS ONE, 2011, 6, e19011. | 2.5 | 54 |
| 33 | Endothelin signalling in arterial smooth muscle is tightly regulated by G protein-coupled receptor kinase 2. Cardiovascular Research, 2010, 85, 424-433. | 3.8 | 58 |
| 34 | Effects of Positive Allosteric Modulators on Single-Cell Oscillatory Ca<sup>2+</sup>Signaling Initiated by the Type 5 Metabotropic Glutamate Receptor. Molecular Pharmacology, 2009, 76, 1302-1313. | 2.3 | 24 |
| 35 | Regulation of Oxytocin Receptor Responsiveness by G Protein-Coupled Receptor Kinase 6 in Human Myometrial Smooth Muscle. Molecular Endocrinology, 2009, 23, 1272-1280. | 3.7 | 38 |
| 36 | Characterization of Anandamide-Stimulated Cannabinoid Receptor Signaling in Human ULTR Myometrial Smooth Muscle Cells. Molecular Endocrinology, 2009, 23, 1415-1427. | 3.7 | 30 |

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| 37 | Altered M1 Muscarinic Acetylcholine Receptor (CHRM1)-Gî±q/11 Coupling in a Schizophrenia Endophenotype. Neuropsychopharmacology, 2009, 34, 2156-2166. | 5.4 | 44 |
| 38 | Contrasting Effects of Allosteric and Orthosteric Agonists on M<sub>1</sub>Muscarinic Acetylcholine Receptor Internalization and Down-regulation. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 1086-1095. | 2.5 | 33 |
| 39 | Temporal profiling of changes in phosphatidylinositol 4,5â€bisphosphate, inositol 1,4,5â€trisphosphate and diacylglycerol allows comprehensive analysis of phospholipase Câ€initiated signalling in single neurons<sup>1</sup>. Journal of Neurochemistry, 2008, 107, 602-615. | 3.9 | 24 |
| 40 | Regulation of cyclic AMP response-element binding-protein (CREB) by Gq/11-protein-coupled receptors in human SH-SY5Y neuroblastoma cells. Biochemical Pharmacology, 2008, 75, 942-955. | 4.4 | 26 |
| 41 | Nitric Oxide Is a Volume Transmitter Regulating Postsynaptic Excitability at a Glutamatergic Synapse. Neuron, 2008, 60, 642-656. | 8.1 | 154 |
| 42 | Pharmacological Assessment of M<sub>1</sub>Muscarinic Acetylcholine Receptor-G<sub>q/11</sub>Protein Coupling in Membranes Prepared from Postmortem Human Brain Tissue. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 869-874. | 2.5 | 24 |
| 43 | G Protein Coupling and Signaling Pathway Activation by M1 Muscarinic Acetylcholine Receptor Orthosteric and Allosteric Agonists. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 365-374. | 2.5 | 52 |
| 44 | Selective Regulation of H<sub>1</sub>Histamine Receptor Signaling by G Protein-Coupled Receptor Kinase 2 in Uterine Smooth Muscle Cells. Molecular Endocrinology, 2008, 22, 1893-1907. | 3.7 | 47 |
| 45 | The regulation of M1muscarinic acetylcholine receptor desensitization by synaptic activity in cultured hippocampal neurons. Journal of Neurochemistry, 2007, 103, 2268-2280. | 3.9 | 12 |
| 46 | â€œPhenotypicâ€•pharmacology: The influence of cellular environment on G protein-coupled receptor antagonist and inverse agonist pharmacology. Biochemical Pharmacology, 2007, 73, 737-751. | 4.4 | 64 |
| 47 | Constitutive Activity and Inverse Agonism at the M<sub>2</sub>Muscarinic Acetylcholine Receptor. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 279-288. | 2.5 | 24 |
| 48 | Modulation of Gq-Protein-Coupled Inositol Trisphosphate and Ca2+ Signaling by the Membrane Potential. Journal of Neuroscience, 2006, 26, 9983-9995. | 3.6 | 58 |
| 49 | A Single Point Mutation (N514Y) in the Human M3 Muscarinic Acetylcholine Receptor Reveals Differences in the Properties of Antagonists: Evidence for Differential Inverse Agonism. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 1134-1142. | 2.5 | 16 |
| 50 | Altered Expression of Gq/11Î± Protein Shapes mGlu1 and mGlu5 Receptor-Mediated Single Cell Inositol 1,4,5-Trisphosphate and Ca2+ Signaling. Molecular Pharmacology, 2006, 69, 174-184. | 2.3 | 27 |
| 51 | Group I metabotropic glutamate receptors, mGlu1a and mGlu5a, couple to cyclic AMP response element binding protein (CREB) through a common Ca2+- and protein kinase C-dependent pathway. Journal of Neurochemistry, 2005, 93, 232-245. | 3.9 | 25 |
| 52 | An investigation of whether agonist-selective receptor conformations occur with respect to M2 and M4 muscarinic acetylcholine receptor signalling via Gi/o and Gs proteins. British Journal of Pharmacology, 2005, 144, 566-575. | 5.4 | 29 |
| 53 | Roles of Phosphorylation-dependent and -independent Mechanisms in the Regulation of M1 Muscarinic Acetylcholine Receptors by G Protein-coupled Receptor Kinase 2 in Hippocampal Neurons. Journal of Biological Chemistry, 2005, 280, 18950-18958. | 3.4 | 33 |
| 54 | Single Cell Analysis and Temporal Profiling of Agonist-mediated Inositol 1,4,5-Trisphosphate, Ca2+, Diacylglycerol, and Protein Kinase C Signaling using Fluorescent Biosensors. Journal of Biological Chemistry, 2005, 280, 21837-21846. | 3.4 | 57 |

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| 55 | Muscarinic acetylcholine receptor activation enhances hippocampal neuron excitability and potentiates synaptically evoked Ca2+ signals via phosphatidylinositol 4,5-bisphosphate depletion. Molecular and Cellular Neurosciences, 2005, 30, 48-57. | 2.2 | 21 |
| 56 | Synaptic Activity Augments Muscarinic Acetylcholine Receptor-stimulated Inositol 1,4,5-Trisphosphate Production to Facilitate Ca2+ Release in Hippocampal Neurons. Journal of Biological Chemistry, 2004, 279, 49036-49044. | 3.4 | 30 |
| 57 | Functional Selectivity of Muscarinic Receptor Antagonists for Inhibition of M3-Mediated Phosphoinositide Responses in Guinea Pig Urinary Bladder and Submandibular Salivary Gland. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 1255-1265. | 2.5 | 58 |
| 58 | Imaging of Muscarinic Acetylcholine Receptor Signaling in Hippocampal Neurons: Evidence for Phosphorylation-Dependent and -Independent Regulation by G-Protein-Coupled Receptor Kinases. Journal of Neuroscience, 2004, 24, 4157-4162. | 3.6 | 43 |
| 59 | NMDAâ€receptor regulation of muscarinicâ€receptor stimulated inositol 1,4,5â€trisphosphate production and protein kinase C activation in single cerebellar granule neurons. Journal of Neurochemistry, 2004, 89, 1537-1546. | 3.9 | 21 |
| 60 | Ca2+/calmodulin-dependent translocation of sphingosine kinase: role in plasma membrane relocation but not activation. Cell Calcium, 2003, 33, 119-128. | 2.4 | 57 |
| 61 | Evidence for cross-talk between M2 and M3 muscarinic acetylcholine receptors in the regulation of second messenger and extracellular signal-regulated kinase signalling pathways in Chinese hamster ovary cells. British Journal of Pharmacology, 2003, 138, 1340-1350. | 5.4 | 33 |
| 62 | Role of Ca2+ Feedback on Single Cell Inositol 1,4,5-Trisphosphate Oscillations Mediated by G-protein-coupled Receptors. Journal of Biological Chemistry, 2003, 278, 20753-20760. | 3.4 | 56 |
| 63 | Non-visual GRKs: are we seeing the whole picture?. Trends in Pharmacological Sciences, 2003, 24, 626-633. | 8.7 | 100 |
| 64 | Visualizing phosphoinositide signalling in single neurons gets a green light. Trends in Neurosciences, 2003, 26, 444-452. | 8.6 | 51 |
| 65 | Specificity of G Protein-Coupled Receptor Kinase 6-Mediated Phosphorylation and Regulation of Single-Cell M3 Muscarinic Acetylcholine Receptor Signaling. Molecular Pharmacology, 2003, 64, 1059-1068. | 2.3 | 42 |
| 66 | Endogenous G Protein-coupled Receptor Kinase 6 Regulates M3 Muscarinic Acetylcholine Receptor Phosphorylation and Desensitization in Human SH-SY5Y Neuroblastoma Cells. Journal of Biological Chemistry, 2002, 277, 15523-15529. | 3.4 | 44 |
| 67 | Determinants of Metabotropic Glutamate Receptor-5-mediated Ca2+ and Inositol 1,4,5-Trisphosphate Oscillation Frequency. Journal of Biological Chemistry, 2002, 277, 35947-35960. | 3.4 | 101 |
| 68 | Mechanisms Underlying the Neuronal Calcium Sensor-1-evoked Enhancement of Exocytosis in PC12 Cells. Journal of Biological Chemistry, 2002, 277, 30315-30324. | 3.4 | 83 |
| 69 | Characterization of an N-terminal secreted domain of the type-1 human metabotropic glutamate receptor produced by a mammalian cell line. Journal of Neurochemistry, 2002, 80, 346-353. | 3.9 | 18 |
| 70 | Group-I metabotropic glutamate receptors, mGlu1a and mGlu5a, couple to extracellular signal-regulated kinase (ERK) activation via distinct, but overlapping, signalling pathways. Journal of Neurochemistry, 2002, 83, 1139-1153. | 3.9 | 83 |
| 71 | Differential Effects of Lithium on Muscarinic Cholinoceptor-Stimulated CMP-Phosphatidate Accumulation in Cerebellar Granule Cells, CHO-M3 Cells, and SH-SY5Y Neuroblastoma Cells. Journal of Neurochemistry, 2002, 63, 1354-1360. | 3.9 | 14 |
| 72 | Chronic Activation of Muscarinic and Metabotropic Glutamate Receptors Down-Regulates Type I Inositol 1,4,5-Trisphosphate Receptor Expression in Cerebellar Granule Cells. Journal of Neurochemistry, 2002, 63, 2369-2372. | 3.9 | 24 |

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| 73 | Muscarinic Cholinoceptor-Stimulated Synthesis and Degradation of Inositol 1,4,5-Trisphosphate in the Rat Cerebellar Granule Cell. Journal of Neurochemistry, 2002, 64, 1143-1151. | 3.9 | 4 |
| 74 | Cell type-specific differences in the coupling of recombinant mGlu1Î± receptors to endogenous G protein sub-populations. Neuropharmacology, 2001, 40, 645-656. | 4.1 | 37 |
| 75 | Enhanced inducible mGlu1Î± receptor expression in Chinese hamster ovary cells. Journal of Neurochemistry, 2001, 77, 1664-1667. | 3.9 | 12 |
| 76 | Gq/11 and Gi/o activation profiles in CHO cells expressing human muscarinic acetylcholine receptors: dependence on agonist as well as receptor-subtype. British Journal of Pharmacology, 2001, 132, 950-958. | 5.4 | 76 |
| 77 | Receptor-specific messenger oscillations. Nature, 2001, 413, 381-382. | 27.8 | 128 |
| 78 | Reassessment of the Ca2+ Sensing Property of a Type I Metabotropic Glutamate Receptor by Simultaneous Measurement of Inositol 1,4,5-Trisphosphate and Ca2+ in Single Cells. Journal of Biological Chemistry, 2001, 276, 19286-19293. | 3.4 | 46 |
| 79 | G Protein-Coupled Receptor Kinases 3 and 6 Use Different Pathways to Desensitize the Endogenous M3 Muscarinic Acetylcholine Receptor in Human SH-SY5Y Cells. Molecular Pharmacology, 2001, 60, 321-330. | 2.3 | 42 |
| 80 | Spirophostins: Conformationally Restricted Analogues of Adenophostin A. Chemistry - A European Journal, 2000, 6, 2696-2704. | 3.3 | 12 |
| 81 | Synthesis and Biological Evaluation of Cyclophostin: A 5â€²,6â€³-Tethered Analog of Adenophostin A. Tetrahedron, 2000, 56, 5915-5928. | 1.9 | 18 |
| 82 | Complex Involvement of Pertussis Toxin-Sensitive G Proteins in the Regulation of Type 1Î± Metabotropic Glutamate Receptor Signaling in Baby Hamster Kidney Cells. Molecular Pharmacology, 2000, 58, 352-360. | 2.3 | 23 |
| 83 | Lysophosphatidic Acid-induced Ca2+ Mobilization Requires Intracellular Sphingosine 1-Phosphate Production. Journal of Biological Chemistry, 2000, 275, 38532-38539. | 3.4 | 61 |
| 84 | Effects of varying the expression level of recombinant human mGlu1Î± receptors on the pharmacological properties of agonists and antagonists. British Journal of Pharmacology, 1999, 126, 873-882. | 5.4 | 47 |
| 85 | Cannabinoid CB1receptors fail to cause relaxation, but coupleviaGi/Goto the inhibition of adenylyl cyclase in carotid artery smooth muscle. British Journal of Pharmacology, 1999, 128, 597-604. | 5.4 | 31 |
| 86 | Inhibition of N-linked glycosylation of the human type 1Î± metabotropic glutamate receptor by tunicamycin: effects on cell-surface receptor expression and function. Neuropharmacology, 1999, 38, 1485-1492. | 4.1 | 23 |
| 87 | Heterologous mammalian expression systems for investigating the properties of metabotropic glutamate receptors. Biochemical Society Transactions, 1999, 27, 164-170. | 3.4 | 2 |
| 88 | Regulation of phosphoinositide turnover in neonatal rat cerebral cortex by group I- and II- selective metabotropic glutamate receptor agonists. British Journal of Pharmacology, 1998, 123, 581-589. | 5.4 | 27 |
| 89 | Modulation of spasmogen-stimulated Ins(1,4,5)P3 generation and functional responses by selective inhibitors of types 3 and 4 phosphodiesterase in airways smooth muscle. British Journal of Pharmacology, 1998, 124, 47-54. | 5.4 | 12 |
| 90 | Characterization of an atypical muscarinic cholinoceptor mediating contraction of the guinea-pig isolated uterus. British Journal of Pharmacology, 1998, 124, 1615-1622. | 5.4 | 15 |

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| 91 | New developments in the molecular pharmacology of the myo-inositol 1,4,5-trisphosphate receptor. Trends in Pharmacological Sciences, 1998, 19, 467-475. | 8.7 | 98 |
| 92 | A modulatory effect of extracellular Ca2+ on type 1Î± metabotropic glutamate receptor-mediated signalling. Neuropharmacology, 1998, 37, 273-276. | 4.1 | 50 |
| 93 | Reversible and non-competitive antagonist profile of CPCCOEt at the human type 1Î± metabotropic glutamate receptor. Neuropharmacology, 1998, 37, 1645-1647. | 4.1 | 56 |
| 94 | Differential Regulation of Muscarinic Acetylcholine Receptor-sensitive Polyphosphoinositide Pools and Consequences for Signaling in Human Neuroblastoma Cells. Journal of Biological Chemistry, 1998, 273, 5037-5046. | 3.4 | 157 |
| 95 | Dissociation between Î²-adrenoceptor-mediated cyclic AMP accumulation and inhibition of histarnine-stimulated phosphoinositide metabolism in airways smooth muscle. Biochemical Pharmacology, 1997, 53, 1565-1568. | 4.4 | 8 |
| 96 | Enhanced Type 1Î± Metabotropic Glutamate Receptor-Stimulated Phosphoinositide Signaling after Pertussis Toxin Treatment. Molecular Pharmacology, 1997, 52, 406-414. | 2.3 | 18 |
| 97 | Pharmacological characterization of type 1Î± metabotropic glutamate receptor-stimulated [35 S]-GTPÎ³S binding. British Journal of Pharmacology, 1997, 121, 1203-1209. | 5.4 | 40 |
| 98 | Regulation of brain capillary endothelial cells by P2Y receptors coupled to Ca<sup>2+</sup>, phospholipase C and mitogenâ€activated protein kinase. British Journal of Pharmacology, 1997, 122, 935-941. | 5.4 | 89 |
| 99 | The effects of insulin on transport and metabolism of glucose in skeletal muscle from hyperthyroid and hypothyroid rats. European Journal of Clinical Investigation, 1997, 27, 475-483. | 3.4 | 85 |
| 100 | Differences in agonist and antagonist activities for two indices of metabotropic glutamate receptorâ€stimulated phosphoinositide turnover. British Journal of Pharmacology, 1996, 117, 1735-1743. | 5.4 | 6 |
| 101 | Stimulatory effects of the putative metabotropic glutamate receptor antagonist Lâ€AP3 on phosphoinositide turnover in neonatal rat cerebral cortex. British Journal of Pharmacology, 1996, 117, 1309-1317. | 5.4 | 8 |
| 102 | Acute regulation of the receptor-mediated phosphoinositide signal transduction pathway. Journal of Lipid Mediators and Cell Signalling, 1996, 14, 157-168. | 0.9 | 12 |
| 103 | Divalent Cation Entry in Cultured Rat Cerebellar Granule Cells Measured Using Mn<sup>2+</sup> Quench of Fura 2 Fluorescence. European Journal of Neuroscience, 1995, 7, 831-840. | 2.6 | 42 |
| 104 | Neuronal Ca2+ stores: activation and function. Trends in Neurosciences, 1995, 18, 299-306. | 8.6 | 283 |
| 105 | Correlation of cyclic AMP accumulation and relaxant actions of salmeterol and salbutamol in bovine tracheal smooth muscle. British Journal of Pharmacology, 1995, 116, 2510-2516. | 5.4 | 17 |
| 106 | Modulation of NMDA effects on agonistâ€stimulated phosphoinositide turnover by memantine in neonatal rat cerebral cortex. British Journal of Pharmacology, 1995, 114, 797-804. | 5.4 | 12 |
| 107 | Comparative effects of activation of soluble and particulate guanylyl cyclase on cyclic GMP elevation and relaxation of bovine tracheal smooth muscle. British Journal of Pharmacology, 1995, 115, 723-732. | 5.4 | 18 |
| 108 | Effect of temperature on muscarinic cholinoceptor-mediated phosphoinositide metabolism and tension generation in bovine tracheal smooth muscle. Naunyn-Schmiedeberg's Archives of Pharmacology, 1994, 350, 585-91. | 3.0 | 4 |

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| 109 | Potentiation of elevation of intracellular Ca2+ concentrations by exogenous glycine in cerebellar granule cells. European Journal of Pharmacology, 1994, 266, 309-315. | 2.6 | 6 |
| 110 | Effects of membrane depolarization and changes in intra- and extracellular calcium concentration on phosphoinositide hydrolysis in bovine tracheal smooth muscle. Biochemical Pharmacology, 1994, 47, 2171-2179. | 4.4 | 7 |
| 111 | Muscarinic acetylcholine receptor subtypes in smooth muscle. Trends in Pharmacological Sciences, 1994, 15, 114-119. | 8.7 | 232 |
| 112 | Eglen et al. reply. Trends in Pharmacological Sciences, 1994, 15, 407-408. | 8.7 | 5 |
| 113 | Modulatory effects of NMDA on phosphoinositide responses evoked by the metabotropic glutamate receptor agonist 1S,3Râ€ACPD in neonatal rat cerebral cortex. British Journal of Pharmacology, 1994, 112, 231-239. | 5.4 | 42 |
| 114 | The Novel Ins(1,4,5)P3 Analog 3-Amino-3-deoxy-Ins(1,4,5)P3: A pH-Dependent Ins(1,4,5)P3 Receptor Partial Agonist in SH-SY5Y Neuroblastoma Cells. Journal of Medicinal Chemistry, 1994, 37, 868-872. | 6.4 | 15 |
| 115 | Comparative Effects of Lithium on the Phosphoinositide Cycle in Rat Cerebral Cortex, Hippocampus, and Striatum. Journal of Neurochemistry, 1993, 61, 1082-1090. | 3.9 | 21 |
| 116 | Exercise-Induced Improvement in the Sensitivity of the Rat Soleus Muscle to Insulin Is Reversed by Chloroadenosine-The Adenosine Receptor Agonist. Biochemical Medicine and Metabolic Biology, 1993, 50, 18-23. | 0.7 | 7 |
| 117 | Phospholipase D activation regulates endothelin-1 stimulation of phosphoinositide-specific phospholipase C in SK-N-MC cells. FEBS Letters, 1993, 327, 157-160. | 2.8 | 6 |
| 118 | Comparison of the effect of isobutylmethylxanthine and phosphodiesterase-selective inhibitors on cAMP levels in SH-SY5Y neuroblastoma cells. Biochemical Pharmacology, 1993, 45, 2373-2380. | 4.4 | 23 |
| 119 | Assessment of Neuronal Phosphoinositide Turnover and Its Disruption by Lithium. Methods, 1993, 3, 135-144. | 0.5 | 15 |
| 120 | Second messenger and ionic modulation of agonist-stimulated phosphoinositide turnover in airway smooth muscle. Biochemical Society Transactions, 1993, 21, 1138-1145. | 3.4 | 14 |
| 121 | Involvement of Intracellular Stores in the Ca<sup>2+</sup> Responses to Nâ€Methylâ€Dâ€Aspartate and Depolarization in Cerebellar Granule Cells. Journal of Neurochemistry, 1993, 61, 760-763. | 3.9 | 70 |
| 122 | Disruption of phosphoinositide signalling by lithium. Biochemical Society Transactions, 1992, 20, 430-434. | 3.4 | 17 |
| 123 | Quantitation of the lithium-sensitive component of the muscarinic receptor-stimulated inositol 1,3,4,5-tetrakisphosphate response in rat cerebral cortex. Biochemical Society Transactions, 1992, 20, 137S-137S. | 3.4 | 1 |
| 124 | Comparative effects of BRL 38227, nitrendipine and isoprenaline on carbacholâ€•and histamineâ€stimulated phosphoinositide metabolism in airway smooth muscle. British Journal of Pharmacology, 1992, 105, 997-1003. | 5.4 | 23 |
| 125 | Role of protein kinase C in the regulation of histamine and bradykinin stimulated inositol polyphosphate turnover in adrenal chromaffin cells. British Journal of Pharmacology, 1992, 107, 1140-1145. | 5.4 | 28 |
| 126 | Inhibitory action of the potassium channel opener BRL 38227 on agonist-stimulated phosphoinositide metabolism in bovine tracheal smooth muscle. Biochemical Pharmacology, 1992, 43, 17-20. | 4.4 | 12 |

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| 127 | Characterization of the adenosine receptor modulating insulin action in rat skeletal muscle. European Journal of Pharmacology, 1992, 226, 121-128. | 2.6 | 49 |
| 128 | Lithium and the phosphoinositide cycle: an example of uncompetitive inhibition and its pharmacological consequences. Trends in Pharmacological Sciences, 1991, 12, 297-303. | 8.7 | 214 |
| 129 | Lack of effect of zaprinast on methacholineâ€induced contraction and inositol 1,4,5â€trisphosphate accumulation in bovine tracheal smooth muscle. British Journal of Pharmacology, 1991, 103, 1119-1125. | 5.4 | 27 |
| 130 | Inositol 1,4,5â€trisphosphateâ€stimulated calcium release from permeabilized cerebellar granule cells. British Journal of Pharmacology, 1991, 104, 202-206. | 5.4 | 13 |
| 131 | Modulation of receptor-mediated inositol phospholipid breakdown in the brain. Neurochemistry International, 1991, 19, 207-212. | 3.8 | 11 |
| 132 | D-[35S(U)]Inositol 1,4,5-trisphosphorothioate, a novel radioligand for the inositol 1,4,5-trisphosphate receptor Complex binding to rat cerebellar membranes. FEBS Letters, 1991, 281, 101-104. | 2.8 | 17 |
| 133 | Platelet-activating factor stimulates a rapid accumulation of inositol (1,4,5)trisphosphate in guinea pig eosinophils: Relationship to calcium mobilization and degranulation. Journal of Allergy and Clinical Immunology, 1991, 88, 114-124. | 2.9 | 39 |
| 134 | Differential modulation of tissue function and therapeutic potential of selective inhibitors of cyclic nucleotide phosphodiesterase isoenzymes. Trends in Pharmacological Sciences, 1991, 12, 19-27. | 8.7 | 440 |
| 135 | Neuronal muscarinic receptors and phosphoinositide metabolism. Biochemical Society Transactions, 1991, 19, 416-421. | 3.4 | 1 |
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