Stephen J Hill

List of Publications by Citations

254 papers	7,970 citations	48 h-index	74 g-index
266 ext. papers	8,845 ext. citations	6.4 avg, IF	6.16 L-index

#	Paper	IF	Citations
254	G protein-coupled-receptor cross-talk: the fine-tuning of multiple receptor-signalling pathways. *Trends in Pharmacological Sciences*, **1998**, 19, 87-93	13.2	261
253	Transgenic enrichment of cardiomyocytes from human embryonic stem cells. *Molecular Therapy*, **2007**, 15, 2027-36	11.7	200
252	Agonist-occupied A3 adenosine receptors exist within heterogeneous complexes in membrane microdomains of individual living cells. *FASEB Journal*, **2008**, 22, 850-60	0.9	174
251	Agonist and inverse agonist actions of beta-blockers at the human beta 2-adrenoceptor provide evidence for agonist-directed signaling. *Molecular Pharmacology*, **2003**, 64, 1357-69	4.3	169
250	Application of BRET to monitor ligand binding to GPCRs. *Nature Methods*, **2015**, 12, 661-663	21.6	167
249	The binding of [3H]mepyramine to histamine H1 receptors in guinea-pig brain. *Journal of Neurochemistry*, **1978**, 31, 997-1004	6	162
248	The effect of allosteric modulators on the kinetics of agonist-G protein-coupled receptor interactions in single living cells. *Molecular Pharmacology*, **2010**, 78, 511-23	4.3	153
247	Molecular Pharmacology of VEGF-A Isoforms: Binding and Signalling at VEGFR2. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	151
246	Specific binding of 3H-mepyramine to histamine H1 receptors in intestinal smooth muscle. *Nature*, **1977**, 270, 361-3	50.4	127
245	G-protein-coupled receptors: past, present and future. *British Journal of Pharmacology*, **2006**, 147 Suppl 1, S27-37	8.6	120
244	Quantitative analysis of the formation and diffusion of A1-adenosine receptor-antagonist complexes in single living cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 4673-8	11.5	115
243	Reporter-gene systems for the study of G-protein-coupled receptors. *Current Opinion in Pharmacology*, **2001**, 1, 526-32	5.1	104
242	Increases in intracellular calcium via activation of an endogenous P2-purinoceptor in cultured CHO-K1 cells. *British Journal of Pharmacology*, **1993**, 110, 1305-10	8.6	104
241	Multiple GPCR conformations and signalling pathways: implications for antagonist affinity estimates. *Trends in Pharmacological Sciences*, **2007**, 28, 374-81	13.2	100
240	Pharmacology under the microscope: the use of fluorescence correlation spectroscopy to determine the properties of ligand-receptor complexes. *Trends in Pharmacological Sciences*, **2007**, 28, 637-45	13.2	98
239	Expression of Muscarinic M sub 3 -Receptors Coupled to Inositol Phospholipid Hydrolysis in Human Detrusor Cultured Smooth Muscle Cells. *Journal of Urology*, **1995**, 154, 1241-1245	2.5	91
238	Beta-adrenoceptor stimulation inhibits histamine-stimulated inositol phospholipid hydrolysis in bovine tracheal smooth muscle. *British Journal of Pharmacology*, **1988**, 95, 1204-12	8.6	91

237	The growth response of Escherichia coli to neurotransmitters and related catecholamine drugs requires a functional enterobactin biosynthesis and uptake system. *Infection and Immunity*, **2002**, 70, 5913-23	3.7	89
236	Histamine H1-receptors in the brain of the guinea-pig and the rat: differences in ligand binding properties and regional distribution. *British Journal of Pharmacology*, **1980**, 68, 687-96	8.6	89
235	Evolution of Eblockers: from anti-anginal drugs to ligand-directed signalling. *Trends in Pharmacological Sciences*, **2011**, 32, 227-34	13.2	87
234	Quantitative profiling of nucleotides and related phosphate-containing metabolites in cultured mammalian cells by liquid chromatography tandem electrospray mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2008**, 871, 115-24	3.2	85
233	Influence of receptor number on functional responses elicited by agonists acting at the human adenosine A(1) receptor: evidence for signaling pathway-dependent changes in agonist potency and relative intrinsic activity. *Molecular Pharmacology*, **2000**, 58, 1075-84	4.3	82
232	Inhibition of histamine-stimulated inositol phospholipid hydrolysis by agents which increase cyclic AMP levels in bovine tracheal smooth muscle. *British Journal of Pharmacology*, **1989**, 97, 603-13	8.6	77
231	Agonist actions of "beta-blockers" provide evidence for two agonist activation sites or conformations of the human beta1-adrenoceptor. *Molecular Pharmacology*, **2003**, 63, 1312-21	4.3	76
230	Sensitivity of histamine H3 receptor agonist-stimulated [35S]GTP gamma[S] binding to pertussis toxin. *European Journal of Pharmacology*, **1996**, 296, 223-5	5.3	76
229	Allosteric interactions across native adenosine-A3 receptor homodimers: quantification using single-cell ligand-binding kinetics. *FASEB Journal*, **2011**, 25, 3465-76	0.9	75
228	Adenosine A2B-receptor-mediated cyclic AMP accumulation in primary rat astrocytes. *British Journal of Pharmacology*, **1994**, 111, 191-8	8.6	75
227	New fluorescent adenosine A1-receptor agonists that allow quantification of ligand-receptor interactions in microdomains of single living cells. *Journal of Medicinal Chemistry*, **2007**, 50, 782-93	8.3	74
226	Fluorescence- and bioluminescence-based approaches to study GPCR ligand binding. *British Journal of Pharmacology*, **2016**, 173, 3028-37	8.6	74
225	Fragment screening at adenosine-A(3) receptors in living cells using a fluorescence-based binding assay. *Chemistry and Biology*, **2012**, 19, 1105-15		67
224	Influence of fluorophore and linker composition on the pharmacology of fluorescent adenosine A1 receptor ligands. *British Journal of Pharmacology*, **2010**, 159, 772-86	8.6	66
223	Involvement of G-protein betagamma subunits in coupling the adenosine A1 receptor to phospholipase C in transfected CHO cells. *European Journal of Pharmacology*, **1998**, 355, 85-93	5.3	65
222	Partial mediation by nitric oxide of the relaxation of human isolated detrusor strips in response to electrical field stimulation. *British Journal of Clinical Pharmacology*, **1993**, 35, 366-72	3.8	65
221	Coupling of the human A1 adenosine receptor to different heterotrimeric G proteins: evidence for agonist-specific G protein activation. *British Journal of Pharmacology*, **2004**, 143, 705-14	8.6	63
220	Characterization of histamine H3-receptors in guinea-pig ileum with H3-selective ligands. *British Journal of Pharmacology*, **1990**, 101, 621-4	8.6	63

219	The evolving small-molecule fluorescent-conjugate toolbox for Class A GPCRs. *British Journal of Pharmacology*, **2014**, 171, 1073-84	8.6	61
218	Influence of rolipram on the cyclic 3',5'-adenosine monophosphate response to histamine and adenosine in slices of guinea-pig cerebral cortex. *Biochemical Pharmacology*, **1988**, 37, 715-23	6	60
217	Ligand Residence Time at G-protein-Coupled Receptors-Why We Should Take Our Time To Study It. *Molecular Pharmacology*, **2015**, 88, 552-60	4.3	57
216	Adenosine inhibition of histamine-stimulated inositol phospholipid hydrolysis in mouse cerebral cortex. *Journal of Neurochemistry*, **1988**, 50, 497-502	6	57
215	Human adenosine A1 receptor and P2Y2-purinoceptor-mediated activation of the mitogen-activated protein kinase cascade in transfected CHO cells. *British Journal of Pharmacology*, **1998**, 124, 1491-9	8.6	56
214	Cross-talk between different receptor-effector systems in the mammalian CNS. *Cellular Signalling*, **1989**, 1, 135-41	4.9	56
213	Studies on the adenosine-receptor mediating the augmentation of histamine-induced inositol phospholipid hydrolysis in guinea-pig cerebral cortex. *British Journal of Pharmacology*, **1987**, 91, 661-9	8.6	55
212	NanoBRET Approaches to Study Ligand Binding to GPCRs and RTKs. *Trends in Pharmacological Sciences*, **2018**, 39, 136-147	13.2	55
211	Mechanisms of cross-talk between G-protein-coupled receptors. *NeuroSignals*, **2002**, 11, 45-57	1.9	54
210	Histamine-induced inositol phospholipid breakdown in the longitudinal smooth muscle of guinea-pig ileum. *British Journal of Pharmacology*, **1985**, 85, 499-512	8.6	52
209	An endogenous A2B adenosine receptor coupled to cyclic AMP generation in human embryonic kidney (HEK 293) cells. *British Journal of Pharmacology*, **1997**, 122, 546-50	8.6	51
208	Differences in the adenosine receptors modulating inositol phosphates and cyclic AMP accumulation in mammalian cerebral cortex. *British Journal of Pharmacology*, **1989**, 98, 1241-8	8.6	50
207	Probing the pharmacology of G protein-coupled receptors with fluorescent ligands. *Neuropharmacology*, **2015**, 98, 48-57	5.5	49
206	Histamine H1-agonist potentiation of adenosine-stimulated cyclic AMP accumulation in slices of guinea-pig cerebral cortex: comparison of response and binding parameters. *British Journal of Pharmacology*, **1982**, 77, 347-57	8.6	48
205	Binding kinetics of ligands acting at GPCRs. *Molecular and Cellular Endocrinology*, **2019**, 485, 9-19	4.4	47
204	Allosteric interactions at adenosine A(1) and A(3) receptors: new insights into the role of small molecules and receptor dimerization. *British Journal of Pharmacology*, **2014**, 171, 1102-13	8.6	47
203	Kinetic analysis of antagonist-occupied adenosine-A3 receptors within membrane microdomains of individual cells provides evidence of receptor dimerization and allosterism. *FASEB Journal*, **2014**, 28, 4211-22	0.9	46
202	Comparison of gull feces-specific assays targeting the 16S rRNA genes of Catellicoccus marimammalium and Streptococcus spp. *Applied and Environmental Microbiology*, **2012**, 78, 1909-16	4.8	46

201	Insights into GPCR pharmacology from the measurement of changes in intracellular cyclic AMP; advantages and pitfalls of differing methodologies. *British Journal of Pharmacology*, **2010**, 161, 1266-75	8.6	44
200	Affinities of histamine H1-antagonists in guinea pig brain: similarity of values determined from [3H]mepyramine binding and from inhibition of a functional response. *Journal of Neurochemistry*, **1981**, 37, 1357-60	6	44
199	Influence of agonist efficacy and receptor phosphorylation on antagonist affinity measurements: differences between second messenger and reporter gene responses. *Molecular Pharmacology*, **2003**, 64, 679-88	4.3	42
198	Synergy between the inositol phosphate responses to transfected human adenosine A1-receptors and constitutive P2-purinoceptors in CHO-K1 cells. *British Journal of Pharmacology*, **1995**, 115, 1415-24	8.6	41
197	Conversion of a non-selective adenosine receptor antagonist into A3-selective high affinity fluorescent probes using peptide-based linkers. *Organic and Biomolecular Chemistry*, **2013**, 11, 5673-82	3.9	40
196	A novel fluorescent histamine H(1) receptor antagonist demonstrates the advantage of using fluorescence correlation spectroscopy to study the binding of lipophilic ligands. *British Journal of Pharmacology*, **2012**, 165, 1789-1800	8.6	40
195	Role of protein kinase Calpha in signaling from the histamine H(1) receptor to the nucleus. *Molecular Pharmacology*, **2001**, 59, 1012-21	4.3	40
194	Development of novel fluorescent histamine H-receptor antagonists to study ligand-binding kinetics in living cells. *Scientific Reports*, **2018**, 8, 1572	4.9	38
193	Nonselective effects of the putative phospholipase C inhibitor, U73122, on adenosine A1 receptor-mediated signal transduction events in Chinese hamster ovary cells. *Biochemical Pharmacology*, **1998**, 56, 1455-62	6	38
192	Characterization of the human brain putative A2B adenosine receptor expressed in Chinese hamster ovary (CHO.A2B4) cells. *British Journal of Pharmacology*, **1996**, 119, 1286-90	8.6	38
191	Quantitative analysis of neuropeptide Y receptor association with beta-arrestin2 measured by bimolecular fluorescence complementation. *British Journal of Pharmacology*, **2010**, 160, 892-906	8.6	37
190	Influence of receptor number on the stimulation by salmeterol of gene transcription in CHO-K1 cells transfected with the human beta2-adrenoceptor. *British Journal of Pharmacology*, **1998**, 125, 717-26	8.6	37
189	Pharmacological characterization of CGP 12177 at the human beta(2)-adrenoceptor. *British Journal of Pharmacology*, **2002**, 137, 400-8	8.6	37
188	Bradykinin B2 receptor-mediated phosphoinositide hydrolysis in bovine cultured tracheal smooth muscle cells. *British Journal of Pharmacology*, **1992**, 107, 443-7	8.6	37
187	Inhibition of forskolin-stimulated cyclic AMP formation by 1-aminocyclopentane-trans-1,3-dicarboxylate in guinea-pig cerebral cortical slices. *Journal of Neurochemistry*, **1992**, 58, 1964-6	6	37
186	Modulation of fluoroaluminate-induced inositol phosphate formation by increases in tissue cyclic AMP content in bovine tracheal smooth muscle. *British Journal of Pharmacology*, **1990**, 100, 646-50	8.6	37
185	Alpha 2-adrenoceptor-mediated inhibition of histamine release from rat cerebral cortical slices. *British Journal of Pharmacology*, **1988**, 95, 1213-9	8.6	37
184	Studying GPCR Pharmacology in Membrane Microdomains: Fluorescence Correlation Spectroscopy Comes of Age. *Trends in Pharmacological Sciences*, **2018**, 39, 158-174	13.2	36

183	Highly potent and selective fluorescent antagonists of the human adenosine A receptor based on the 1,2,4-triazolo[4,3-a]quinoxalin-1-one scaffold. *Journal of Medicinal Chemistry*, **2012**, 55, 1771-82	8.3	36
182	Plasma membrane diffusion of G protein-coupled receptor oligomers. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2008**, 1783, 2262-8	4.9	36
181	Coupling of a transfected human brain A1 adenosine receptor in CHO-K1 cells to calcium mobilisation via a pertussis toxin-sensitive mechanism. *British Journal of Pharmacology*, **1994**, 111, 1252-6	8.6	36
180	Adenosine A1-receptor stimulation of inositol phospholipid hydrolysis and calcium mobilisation in DDT1 MF-2 cells. *British Journal of Pharmacology*, **1992**, 106, 215-21	8.6	36
179	Synthesis and characterization of high-affinity 4,4-difluoro-4-bora-3a,4a-diaza-s-indacene-labeled fluorescent ligands for human adrenoceptors. *Journal of Medicinal Chemistry*, **2011**, 54, 6874-87	8.3	35
178	GPCR signaling: understanding the pathway to successful drug discovery. *Methods in Molecular Biology*, **2009**, 552, 39-50	1.4	35
177	Real-time analysis of the binding of fluorescent VEGFa to VEGFR2 in living cells: Effect of receptor tyrosine kinase inhibitors and fate of internalized agonist-receptor complexes. *Biochemical Pharmacology*, **2017**, 136, 62-75	6	34
176	Temporal characteristics of cAMP response element-mediated gene transcription: requirement for sustained cAMP production. *Molecular Pharmacology*, **2004**, 65, 986-98	4.3	34
175	Differential effect of sodium ions and guanine nucleotides on the binding of thioperamide and clobenpropit to histamine H3-receptors in rat cerebral cortical membranes. *British Journal of Pharmacology*, **1995**, 114, 357-62	8.6	34
174	Adenosine A1-receptor stimulated increases in intracellular calcium in the smooth muscle cell line, DDT1MF-2. *British Journal of Pharmacology*, **1993**, 108, 85-92	8.6	34
173	Adenosine-A3 receptors in neutrophil microdomains promote the formation of bacteria-tethering cytonemes. *EMBO Reports*, **2013**, 14, 726-32	6.5	33
172	Adenosine A1 receptor-mediated changes in basal and histamine-stimulated levels of intracellular calcium in primary rat astrocytes. *British Journal of Pharmacology*, **1995**, 115, 801-10	8.6	33
171	Adenosine receptor-induced cyclic AMP generation and inhibition of 5-hydroxytryptamine release in human platelets. *British Journal of Clinical Pharmacology*, **1995**, 40, 43-50	3.8	32
170	Characteristics of the bradykinin-induced changes in intracellular calcium ion concentration of single bovine tracheal smooth muscle cells. *British Journal of Pharmacology*, **1993**, 110, 29-35	8.6	32
169	Homologous and heterologous desensitization of histamine H1- and ATP-receptors in the smooth muscle cell line, DDT1MF-2: the role of protein kinase C. *British Journal of Pharmacology*, **1993**, 110, 1449-56	8.6	31
168	Application of fluorescence correlation spectroscopy to the measurement of agonist binding to a G-protein coupled receptor at the single cell level. *Faraday Discussions*, **2004**, 126, 197-207; discussion 245-54	3.6	30
167	Salmeterol, a long-acting beta 2-adrenoceptor agonist mediating cyclic AMP accumulation in a neuronal cell line. *British Journal of Pharmacology*, **1993**, 110, 619-26	8.6	30
166	Des-Arg9-bradykinin-induced increases in intracellular calcium ion concentration in single bovine tracheal smooth muscle cells. *British Journal of Pharmacology*, **1994**, 112, 934-8	8.6	30

165	Modulation of carbachol-induced inositol phosphate formation in bovine tracheal smooth muscle by cyclic AMP phosphodiesterase inhibitors. *Biochemical Pharmacology*, **1990**, 39, 1357-63	6	30
164	Characterization of histamine receptors mediating the stimulation of cyclic AMP accumulation in rabbit cerebral cortical slices. *British Journal of Pharmacology*, **1985**, 85, 877-88	8.6	30
163	Modulators of CXCR4 and CXCR7/ACKR3 Function. *Molecular Pharmacology*, **2019**, 96, 737-752	4.3	30
162	Use of a new proximity assay (NanoBRET) to investigate the ligand-binding characteristics of three fluorescent ligands to the human -adrenoceptor expressed in HEK-293 cells. *Pharmacology Research and Perspectives*, **2016**, 4, e00250	3.1	29
161	Adenylyl cyclase AC8 directly controls its micro-environment by recruiting the actin cytoskeleton in a cholesterol-rich milieu. *Journal of Cell Science*, **2012**, 125, 869-86	5.3	29
160	Beta-adrenoceptor-mediated inhibition of alpha 1-adrenoceptor-mediated and field stimulation-induced contractile responses in the prostate of the guinea pig. *British Journal of Pharmacology*, **1997**, 122, 1067-74	8.6	29
159	ERK phosphorylation: spatial and temporal regulation by G protein-coupled receptors. *International Journal of Biochemistry and Cell Biology*, **2008**, 40, 2013-7	5.6	29
158	Pharmacology and direct visualisation of BODIPY-TMR-CGP: a long-acting fluorescent beta2-adrenoceptor agonist. *British Journal of Pharmacology*, **2003**, 139, 232-42	8.6	29
157	Histamine-induced hydrolysis of polyphosphoinositides in guinea-pig ileum and brain. *European Journal of Pharmacology*, **1986**, 124, 255-65	5.3	29
156	Negative cooperativity across -adrenoceptor homodimers provides insights into the nature of the secondary low-affinity CGP 12177 -adrenoceptor binding conformation. *FASEB Journal*, **2015**, 29, 2859-71	0.9	28
155	Antagonist selective modulation of adenosine A1 and A3 receptor pharmacology by the food dye Brilliant Black BN: evidence for allosteric interactions. *Molecular Pharmacology*, **2010**, 77, 678-86	4.3	28
154	Characterization of isoprenaline- and salmeterol-stimulated interactions between beta2-adrenoceptors and beta-arrestin 2 using beta-galactosidase complementation in C2C12 cells. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 315, 839-48	4.7	28
153	Interactions between adenosine A1- and histamine H1-receptors. *International Journal of Biochemistry & Cell Biology*, **1994**, 26, 959-69		28
152	Effect of a toggle switch mutation in TM6 of the human adenosine A receptor on Gi protein-dependent signalling and Gi-independent receptor internalization. *British Journal of Pharmacology*, **2014**, 171, 3827-44	8.6	27
151	Clathrin-independent internalization of the human histamine H1-receptor in CHO-K1 cells. *British Journal of Pharmacology*, **2005**, 146, 612-24	8.6	26
150	Fluorescent ligands: Bringing light to emerging GPCR paradigms. *British Journal of Pharmacology*, **2020**, 177, 978-991	8.6	26
149	A Perspective on Studying G-Protein-Coupled Receptor Signaling with Resonance Energy Transfer Biosensors in Living Organisms. *Molecular Pharmacology*, **2015**, 88, 589-95	4.3	25
148	Monoclonal anti- -adrenergic receptor antibodies activate G protein signaling in the absence of arrestin recruitment. *MAbs*, **2014**, 6, 246-61	6.6	25

147	Biophysical Detection of Diversity and Bias in GPCR Function. *Frontiers in Endocrinology*, **2014**, 5, 26	5.7	25
146	Direct visualisation of internalization of the adenosine A3 receptor and localization with arrestin3 using a fluorescent agonist. *Neuropharmacology*, **2015**, 98, 68-77	5.5	24
145	A comparison of the antagonist affinities for the Gi- and Gs-coupled states of the human adenosine A1-receptor. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 320, 218-28	4.7	24
144	Agonist-induced changes in [Ca2+]i in N1E-115 cells: differential effects of bradykinin and carbachol. *European Journal of Pharmacology*, **1992**, 226, 163-8		24
143	Design and use of fluorescent ligands to study ligand-receptor interactions in single living cells. *Methods in Molecular Biology*, **2011**, 746, 211-36	1.4	23
142	Human 5-HT1B receptor stimulated inositol phospholipid hydrolysis in CHO cells: synergy with Gq-coupled receptors. *European Journal of Pharmacology*, **1998**, 348, 279-85	5.3	23
141	Multiple histamine receptors: properties and functional characteristics. *Biochemical Society Transactions*, **1992**, 20, 122-5	5.1	23
140	Activation of a metabotropic excitatory amino acid receptor potentiates A2b adenosine receptor-stimulated cyclic AMP accumulation. *Neuroscience Letters*, **1992**, 146, 231-3	3.3	23
139	Studies on the mechanism of histamine-induced release of noradrenaline and 5-hydroxytryptamine from slices of rat cerebral cortex. *Biochemical Pharmacology*, **1988**, 37, 2799-805	6	23
138	CRISPR-Mediated Protein Tagging with Nanoluciferase to Investigate Native Chemokine Receptor Function and Conformational Changes. *Cell Chemical Biology*, **2020**, 27, 499-510.e7	8.2	22
137	Real-Time Ligand Binding of Fluorescent VEGF-A Isoforms that Discriminate between VEGFR2 and NRP1 in Living Cells. *Cell Chemical Biology*, **2018**, 25, 1208-1218.e5	8.2	22
136	Visualizing Ligand Binding to a GPCR In Vivo Using NanoBRET. *IScience*, **2018**, 6, 280-288	6.1	22
135	A comparison of A2 adenosine receptor-induced cyclic AMP generation in cerebral cortex and relaxation of pre-contracted aorta. *British Journal of Pharmacology*, **1994**, 111, 185-90	8.6	22
134	Context-Dependent Signaling of CXC Chemokine Receptor 4 and Atypical Chemokine Receptor 3. *Molecular Pharmacology*, **2019**, 96, 778-793	4.3	21
133	Excitatory amino acid-induced formation of inositol phosphates in guinea-pig cerebral cortical slices: involvement of ionotropic or metabotropic receptors?. *Journal of Neurochemistry*, **1990**, 55, 1439-41	6	21
132	A live cell NanoBRET binding assay allows the study of ligand-binding kinetics to the adenosine A receptor. *Purinergic Signalling*, **2019**, 15, 139-153	3.8	20
131	Quantifying Target Occupancy of Small Molecules Within Living Cells. *Annual Review of Biochemistry*, **2020**, 89, 557-581	29.1	20
130	Role of key transmembrane residues in agonist and antagonist actions at the two conformations of the human beta1-adrenoceptor. *Molecular Pharmacology*, **2008**, 74, 1246-60	4.3	20

129	Coupling of an endogenous 5-HT1B-like receptor to increases in intracellular calcium through a pertussis toxin-sensitive mechanism in CHO-K1 cells. *British Journal of Pharmacology*, **1995**, 116, 2889-96	8.6	20
128	Differential effects of elevated calcium ion concentrations on inositol phospholipid responses in mouse and rat cerebral cortical slices. *Biochemical Pharmacology*, **1990**, 40, 1793-9	6	20
127	Fragment-Based Discovery of Subtype-Selective Adenosine Receptor Ligands from Homology Models. *Journal of Medicinal Chemistry*, **2015**, 58, 9578-90	8.3	19
126	Distribution of receptors mediating phosphoinositide hydrolysis in cultured human umbilical artery smooth muscle and endothelial cells. *Biochemical Pharmacology*, **1995**, 49, 1005-11	6	19
125	Histamine H1-receptor-mediated inositol phospholipid hydrolysis in DDT1MF-2 cells: agonist and antagonist properties. *British Journal of Pharmacology*, **1993**, 108, 196-203	8.6	19
124	Intracellular cross-talk between receptors coupled to phospholipase C via pertussis toxin-sensitive and insensitive G-proteins in DDT1MF-2 cells. *British Journal of Pharmacology*, **1993**, 109, 719-24	8.6	19
123	Inhibition by H1-antihistamines of the uptake of noradrenaline and 5-HT into rat brain synaptosomes. *Biochemical Pharmacology*, **1988**, 37, 976-8	6	19
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121	New potent, short-linker BODIPY-630/650 labelled fluorescent adenosine receptor agonists. *MedChemComm*, **2012**, 3, 333-338	5	18
120	Synergistic interactions between human transfected adenosine A1 receptors and endogenous cholecystokinin receptors in CHO cells. *European Journal of Pharmacology*, **1996**, 302, 141-51	5.3	18
119	Antagonism of central histamine H1 receptors by antipsychotic drugs. *European Journal of Pharmacology*, **1978**, 52, 397-9	5.3	18
118	NanoBiT Complementation to Monitor Agonist-Induced Adenosine A Receptor Internalization. *SLAS Discovery*, **2020**, 25, 186-194	3.4	18
117	Single molecule binding of a ligand to a G-protein-coupled receptor in real time using fluorescence correlation spectroscopy, rendered possible by nano-encapsulation in styrene maleic acid lipid particles. *Nanoscale*, **2020**, 12, 11518-11525	7.7	17
116	Fecal source tracking and eDNA profiling in an urban creek following an extreme rain event. *Scientific Reports*, **2018**, 8, 14390	4.9	17
115	Structure-Activity Relationships of the Sustained Effects of Adenosine A2A Receptor Agonists Driven by Slow Dissociation Kinetics. *Molecular Pharmacology*, **2017**, 91, 25-38	4.3	16
114	Probe dependency in the determination of ligand binding kinetics at a prototypical G protein-coupled receptor. *Scientific Reports*, **2019**, 9, 7906	4.9	16
113	Complex Formation between VEGFR2 and the Adrenoceptor. *Cell Chemical Biology*, **2019**, 26, 830-841.e8	8.2	16
112	Synthesis and Evaluation of the First Fluorescent Antagonists of the Human P2Y Receptor Based on AR-C118925. *Journal of Medicinal Chemistry*, **2018**, 61, 3089-3113	8.3	16

111	Transfected adenosine A1 receptor-mediated modulation of thrombin-stimulated phospholipase C and phospholipase A2 activity in CHO cells. *European Journal of Pharmacology*, **1997**, 321, 77-86	5.3	16
110	A1 adenosine receptor inhibition of cyclic AMP formation and radioligand binding in the guinea-pig cerebral cortex. *British Journal of Pharmacology*, **1994**, 113, 1501-7	8.6	16
109	Inositol 1,4,5-trisphosphate generation and calcium mobilisation via activation of an atypical P2 receptor in the neuronal cell line, N1E-115. *British Journal of Pharmacology*, **1992**, 107, 1083-7	8.6	16
108	Histamine-stimulated increases in intracellular calcium in the smooth muscle cell line, DDT1MF-2. *Biochemical Pharmacology*, **1991**, 42, 1545-50	6	16
107	Effect of CCR5 receptor antagonists on endocytosis of the human CCR5 receptor in CHO-K1 cells. *British Journal of Pharmacology*, **2008**, 153, 1513-27	8.6	15
106	Alpha- and beta-adrenoceptor regulation of cyclic AMP accumulation in cultured rat astrocytes. A comparison of primary protoplasmic and mixed fibrous/protoplasmic astroglial cultures. *Biochemical Pharmacology*, **1991**, 42, 59-69	6	15
105	Optimised insert design for improved single-molecule imaging and quantification through CRISPR-Cas9 mediated knock-in. *Scientific Reports*, **2019**, 9, 14219	4.9	14
104	Characterisation of endogenous A and A receptor-mediated cyclic AMP responses in HEK 293 cells using the GloSensor biosensor: Evidence for an allosteric mechanism of action for the A-selective antagonist PSB 603. *Biochemical Pharmacology*, **2018**, 147, 55-66	6	14
103	Salmeterol's extreme selectivity is due to residues in both extracellular loops and transmembrane domains. *Molecular Pharmacology*, **2015**, 87, 103-20	4.3	14
102	Predicting in vivo cardiovascular properties of blockers from cellular assays: a quantitative comparison of cellular and cardiovascular pharmacological responses. *FASEB Journal*, **2011**, 25, 4486-97	0.9	14
101	Alpha-adrenoceptor mediated responses of the cauda epididymis of the guinea-pig. *British Journal of Pharmacology*, **1996**, 119, 1203-10	8.6	14
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99	The use of fluorescence correlation spectroscopy to characterize the molecular mobility of fluorescently labelled G protein-coupled receptors. *Biochemical Society Transactions*, **2016**, 44, 624-9	5.1	14
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97	Activation of phospholipase C by G-protein beta gamma subunits in DDT1MF-2 cells. *European Journal of Pharmacology*, **1995**, 288, 393-8		13
96	Adenosine A1 receptor-mediated inhibition of cyclic AMP accumulation in type-2 but not type-1 rat astrocytes. *European Journal of Pharmacology*, **1996**, 306, 281-9	5.3	13
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