

# Stephen J Hill

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Community Guidelines for GPCR Ligand Bias: IUPHAR Review XX.. <i>British Journal of Pharmacology</i> , <b>2022</b> ,	8.6	10
253	Regionally selective cardiovascular responses to adenosine A and A receptor activation.. <i>FASEB Journal</i> , <b>2022</b> , 36, e22214	0.9	1
252	Kinetic Profiling of Ligands and Fragments Binding to GPCRs by TR-FRET. <i>Topics in Medicinal Chemistry</i> , <b>2021</b> , 1-32	0.4	
251	Development and Application of Subtype-Selective Fluorescent Antagonists for the Study of the Human Adenosine A Receptor in Living Cells. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 6670-6695	8.3	2
250	Efficient G protein coupling is not required for agonist-mediated internalization and membrane reorganization of the adenosine A receptor. <i>FASEB Journal</i> , <b>2021</b> , 35, e21211	0.9	1
249	Use of NanoBIT and NanoBRET to monitor fluorescent VEGF-A binding kinetics to VEGFR2/NRP1 heteromeric complexes in living cells. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 2393-2411	8.6	3
248	Probing the binding of interleukin-23 to individual receptor components and the IL-23 heteromeric receptor complex in living cells using NanoBRET. <i>Cell Chemical Biology</i> , <b>2021</b> ,	8.2	2
247	Subtype selective fluorescent ligands based on ICI 118,551 to study the human $\beta$ -adrenoceptor in CRISPR/Cas9 genome-edited HEK293T cells at low expression levels. <i>Pharmacology Research and Perspectives</i> , <b>2021</b> , 9, e00779	3.1	1
246	Development of Covalent, Clickable Probes for Adenosine A and A Receptors. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 8161-8178	8.3	1
245	Role of the Renin-Angiotensin-Aldosterone and Kinin-Kallikrein Systems in the Cardiovascular Complications of COVID-19 and Long COVID. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	10
244	Transactivation of G protein-coupled receptors (GPCRs) and receptor tyrosine kinases (RTKs): Recent insights using luminescence and fluorescence technologies. <i>Current Opinion in Endocrine and Metabolic Research</i> , <b>2021</b> , 16, 102-112	1.7	11
243	CRISPR/Cas9-mediated generation and analysis of N terminus polymorphic models of $\beta$ AR in isogenic hPSC-derived cardiomyocytes. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2021</b> , 20, 39-53	6.4	1
242	A nanoluciferase biosensor to investigate endogenous chemokine secretion and receptor binding. <i>iScience</i> , <b>2021</b> , 24, 102011	6.1	2
241	A lipid-anchored neurokinin 1 receptor antagonist prolongs pain relief by a three-pronged mechanism of action targeting the receptor at the plasma membrane and in endosomes. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100345	5.4	3
240	Detection of genome-edited and endogenously expressed G protein-coupled receptors. <i>FEBS Journal</i> , <b>2021</b> , 288, 2585-2601	5.7	2
239	Evidence that GPVI is Expressed as a Mixture of Monomers and Dimers, and that the D2 Domain is not Essential for GPVI Activation. <i>Thrombosis and Haemostasis</i> , <b>2021</b> , 121, 1435-1447	7	2
238	The use of fluorescence correlation spectroscopy to monitor cell surface $\beta$ -adrenoceptors at low expression levels in human embryonic stem cell-derived cardiomyocytes and fibroblasts. <i>FASEB Journal</i> , <b>2021</b> , 35, e21398	0.9	2

237	The use of fluorescence correlation spectroscopy to characterise the molecular mobility of G protein-coupled receptors in membrane microdomains: an update. <i>Biochemical Society Transactions</i> , <b>2021</b> , 49, 1547-1554	5.1	1
236	Investigation of Receptor Heteromers Using NanoBRET Ligand Binding. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
235	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. <i>Nanoscale</i> , <b>2020</b> , 12, 11518-11525	7.7	17
234	Kinetic Analysis of the Early Signaling Steps of the Human Chemokine Receptor CXCR4. <i>Molecular Pharmacology</i> , <b>2020</b> , 98, 72-87	4.3	4
233	Quantifying Target Occupancy of Small Molecules Within Living Cells. <i>Annual Review of Biochemistry</i> , <b>2020</b> , 89, 557-581	29.1	20
232	Monitoring Allosteric Interactions with CXCR4 Using NanoBiT Conjugated Nanobodies. <i>Cell Chemical Biology</i> , <b>2020</b> , 27, 1250-1261.e5	8.2	10
231	Using Esterase Selectivity to Determine the Duration of Systemic Availability and Abolish Systemic Side Effects of Topical EBlockers. <i>ACS Pharmacology and Translational Science</i> , <b>2020</b> , 3, 737-748	5.9	0
230	CRISPR-Mediated Protein Tagging with Nanoluciferase to Investigate Native Chemokine Receptor Function and Conformational Changes. <i>Cell Chemical Biology</i> , <b>2020</b> , 27, 499-510.e7	8.2	22
229	Application of Fluorescent Purinoceptor Antagonists for Bioluminescence Resonance Energy Transfer Assays and Fluorescent Microscopy. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2041, 163-181	1.4	
228	The effect of two selective A <sub>1</sub> -receptor agonists and the bitopic ligand VCP746 on heart rate and regional vascular conductance in conscious rats. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 346-359	8.6	3
227	Subtype-Selective Fluorescent Ligands as Pharmacological Research Tools for the Human Adenosine A Receptor. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 2656-2672	8.3	14
226	Fluorescent ligands: Bringing light to emerging GPCR paradigms. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 978-991	8.6	26
225	Ligand-directed covalent labelling of a GPCR with a fluorescent tag in live cells. <i>Communications Biology</i> , <b>2020</b> , 3, 722	6.7	8
224	NanoBiT Complementation to Monitor Agonist-Induced Adenosine A Receptor Internalization. <i>SLAS Discovery</i> , <b>2020</b> , 25, 186-194	3.4	18
223	Optimised insert design for improved single-molecule imaging and quantification through CRISPR-Cas9 mediated knock-in. <i>Scientific Reports</i> , <b>2019</b> , 9, 14219	4.9	14
222	Context-Dependent Signaling of CXC Chemokine Receptor 4 and Atypical Chemokine Receptor 3. <i>Molecular Pharmacology</i> , <b>2019</b> , 96, 778-793	4.3	21
221	Comparison of the ligand-binding properties of fluorescent VEGF-A isoforms to VEGF receptor 2 in living cells and membrane preparations using NanoBRET. <i>British Journal of Pharmacology</i> , <b>2019</b> , 176, 3220-3235	8.6	4
220	Probe dependency in the determination of ligand binding kinetics at a prototypical G protein-coupled receptor. <i>Scientific Reports</i> , <b>2019</b> , 9, 7906	4.9	16

219	Adenosine and Forskolin Inhibit Platelet Aggregation by Collagen but not the Proximal Signalling Events. <i>Thrombosis and Haemostasis</i> , <b>2019</b> , 119, 1124-1137	7	8
218	CXCR4/ACKR3 Phosphorylation and Recruitment of Interacting Proteins: Key Mechanisms Regulating Their Functional Status. <i>Molecular Pharmacology</i> , <b>2019</b> , 96, 794-808	4.3	13
217	Complex Formation between VEGFR2 and the $\beta$ Adrenoceptor. <i>Cell Chemical Biology</i> , <b>2019</b> , 26, 830-841.e8.2	8.2	16
216	A live cell NanoBRET binding assay allows the study of ligand-binding kinetics to the adenosine A receptor. <i>Purinergic Signalling</i> , <b>2019</b> , 15, 139-153	3.8	20
215	Binding kinetics of ligands acting at GPCRs. <i>Molecular and Cellular Endocrinology</i> , <b>2019</b> , 485, 9-19	4.4	47
214	A non-functional galanin receptor-2 in a multiple sclerosis patient. <i>Pharmacogenomics Journal</i> , <b>2019</b> , 19, 72-82	3.5	4
213	Inhibition of CXCR4 signalling and ligand binding by CXCL17. <i>FASEB Journal</i> , <b>2019</b> , 33, 503.8	0.9	1
212	Molecular Pharmacology of a Conformational-Specific Extracellular Nanobody Against CXCR4. <i>FASEB Journal</i> , <b>2019</b> , 33, 668.9	0.9	1
211	Using CRISPR/Cas9 and NanoLuc to investigate Endogenous CXCR4 ligand binding, internalization and $\beta$ arrestin2 recruitment. <i>FASEB Journal</i> , <b>2019</b> , 33, 811.4	0.9	1
210	Modulators of CXCR4 and CXCR7/ACKR3 Function. <i>Molecular Pharmacology</i> , <b>2019</b> , 96, 737-752	4.3	30
209	Circulating epinephrine is not required for chronic stress to enhance metastasis. <i>Psychoneuroendocrinology</i> , <b>2019</b> , 99, 191-195	5	19
208	Probe dependence of allosteric enhancers on the binding affinity of adenosine A -receptor agonists at rat and human A -receptors measured using NanoBRET. <i>British Journal of Pharmacology</i> , <b>2019</b> , 176, 864-878	8.6	13
207	Development of novel fluorescent histamine H-receptor antagonists to study ligand-binding kinetics in living cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 1572	4.9	38
206	Studying GPCR Pharmacology in Membrane Microdomains: Fluorescence Correlation Spectroscopy Comes of Age. <i>Trends in Pharmacological Sciences</i> , <b>2018</b> , 39, 158-174	13.2	36
205	Synthesis of novel (benzimidazolyl)isoquinolinols and evaluation as adenosine A1 receptor tools.. <i>RSC Advances</i> , <b>2018</b> , 8, 16362-16369	3.7	2
204	Synthesis and Evaluation of the First Fluorescent Antagonists of the Human P2Y Receptor Based on AR-C118925. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 3089-3113	8.3	16
203	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. <i>Biochemical Pharmacology</i> , <b>2018</b> , 147, 55-66	6	14
202	Real-Time Ligand Binding of Fluorescent VEGF-A Isoforms that Discriminate between VEGFR2 and NRP1 in Living Cells. <i>Cell Chemical Biology</i> , <b>2018</b> , 25, 1208-1218.e5	8.2	22

201	Molecular Pharmacology of VEGF-A Isoforms: Binding and Signalling at VEGFR2. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	151
200	Visualizing Ligand Binding to a GPCR In Vivo Using NanoBRET. <i>iScience</i> , <b>2018</b> , 6, 280-288	6.1	22
199	NanoBRET to monitor ligand engagement to beta-2 adrenergic receptor in a highly metastatic breast cancer cell model. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO2-14-6	0	
198	Regional Haemodynamic responses to Adenosine A2A-Receptor Agonists in Conscious Freely Moving Rats. <i>FASEB Journal</i> , <b>2018</b> , 32, 568.10	0.9	
197	A monoclonal antibody raised against a thermo-stabilised $\beta$ adrenoceptor interacts with extracellular loop 2 and acts as a negative allosteric modulator of a sub-set of $\beta$ adrenoceptors expressed in stable cell lines. <i>Biochemical Pharmacology</i> , <b>2018</b> , 147, 38-54	6	11
196	NanoBRET Approaches to Study Ligand Binding to GPCRs and RTKs. <i>Trends in Pharmacological Sciences</i> , <b>2018</b> , 39, 136-147	13.2	55
195	Fecal source tracking and eDNA profiling in an urban creek following an extreme rain event. <i>Scientific Reports</i> , <b>2018</b> , 8, 14390	4.9	17
194	Design and Elaboration of a Tractable Tricyclic Scaffold To Synthesize Druglike Inhibitors of Dipeptidyl Peptidase-4 (DPP-4), Antagonists of the C-C Chemokine Receptor Type 5 (CCR5), and Highly Potent and Selective Phosphoinositol-3 Kinase (PI3K) Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 1534-1554	8.3	6
193	Novel selective $\beta$ adrenoceptor antagonists for concomitant cardiovascular and respiratory disease. <i>FASEB Journal</i> , <b>2017</b> , 31, 3150-3166	0.9	8
192	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. <i>Biochemical Pharmacology</i> , <b>2017</b> , 136, 62-75	6	34
191	Structure-Activity Relationships of the Sustained Effects of Adenosine A2A Receptor Agonists Driven by Slow Dissociation Kinetics. <i>Molecular Pharmacology</i> , <b>2017</b> , 91, 25-38	4.3	16
190	A Non-imaging High Throughput Approach to Chemical Library Screening at the Unmodified Adenosine-A Receptor in Living Cells. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 908	5.6	11
189	Use of a new proximity assay (NanoBRET) to investigate the ligand-binding characteristics of three fluorescent ligands to the human $\alpha$ -adrenoceptor expressed in HEK-293 cells. <i>Pharmacology Research and Perspectives</i> , <b>2016</b> , 4, e00250	3.1	29
188	The use of fluorescence correlation spectroscopy to characterize the molecular mobility of fluorescently labelled G protein-coupled receptors. <i>Biochemical Society Transactions</i> , <b>2016</b> , 44, 624-9	5.1	14
187	Fluorescence- and bioluminescence-based approaches to study GPCR ligand binding. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 3028-37	8.6	74
186	Effects of receptor tyrosine kinase inhibitors on VEGF165 a- and VEGF165 b-stimulated gene transcription in HEK-293 cells expressing human VEGFR2. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 3141-50	8.6	10
185	A Perspective on Studying G-Protein-Coupled Receptor Signaling with Resonance Energy Transfer Biosensors in Living Organisms. <i>Molecular Pharmacology</i> , <b>2015</b> , 88, 589-95	4.3	25
184	Negative cooperativity across $\beta$ -adrenoceptor homodimers provides insights into the nature of the secondary low-affinity CGP 12177 $\beta$ -adrenoceptor binding conformation. <i>FASEB Journal</i> , <b>2015</b> , 29, 2859-71	0.9	28

183	Ligand Residence Time at G-protein-Coupled Receptors-Why We Should Take Our Time To Study It. <i>Molecular Pharmacology</i> , <b>2015</b> , 88, 552-60	4.3	57
182	Fragment-Based Discovery of Subtype-Selective Adenosine Receptor Ligands from Homology Models. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 9578-90	8.3	19
181	Direct visualisation of internalization of the adenosine A3 receptor and localization with arrestin3 using a fluorescent agonist. <i>Neuropharmacology</i> , <b>2015</b> , 98, 68-77	5.5	24
180	Application of BRET to monitor ligand binding to GPCRs. <i>Nature Methods</i> , <b>2015</b> , 12, 661-663	21.6	167
179	Probing the pharmacology of G protein-coupled receptors with fluorescent ligands. <i>Neuropharmacology</i> , <b>2015</b> , 98, 48-57	5.5	49
178	Salmeterol's extreme $\beta$ selectivity is due to residues in both extracellular loops and transmembrane domains. <i>Molecular Pharmacology</i> , <b>2015</b> , 87, 103-20	4.3	14
177	Kinetic analysis of antagonist-occupied adenosine-A3 receptors within membrane microdomains of individual cells provides evidence of receptor dimerization and allosterism. <i>FASEB Journal</i> , <b>2014</b> , 28, 4211-22	0.9	46
176	The evolving small-molecule fluorescent-conjugate toolbox for Class A GPCRs. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 1073-84	8.6	61
175	Monoclonal anti- $\beta$ -adrenergic receptor antibodies activate G protein signaling in the absence of $\beta$ arrestin recruitment. <i>MABs</i> , <b>2014</b> , 6, 246-61	6.6	25
174	Biophysical Detection of Diversity and Bias in GPCR Function. <i>Frontiers in Endocrinology</i> , <b>2014</b> , 5, 26	5.7	25
173	Identification of key residues in transmembrane 4 responsible for the secondary, low-affinity conformation of the human $\beta$ -adrenoceptor. <i>Molecular Pharmacology</i> , <b>2014</b> , 85, 811-29	4.3	9
172	Allosteric interactions at adenosine A(1) and A(3) receptors: new insights into the role of small molecules and receptor dimerization. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 1102-13	8.6	47
171	Effect of a toggle switch mutation in TM6 of the human adenosine A $\beta$ receptor on Gi protein-dependent signalling and Gi-independent receptor internalization. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 3827-44	8.6	27
170	Detection of the secondary, low-affinity $\beta$ -adrenoceptor site in living cells using the fluorescent CGP 12177 derivative BODIPY-TMR-CGP. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 5431-45	8.6	11
169	Conversion of a non-selective adenosine receptor antagonist into A3-selective high affinity fluorescent probes using peptide-based linkers. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 5673-82	3.9	40
168	Synthesis and in vitro and in vivo characterization of highly $\beta$ -selective $\beta$ adrenoceptor partial agonists. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 3852-65	8.3	12
167	Adenosine-A3 receptors in neutrophil microdomains promote the formation of bacteria-tethering cytonemes. <i>EMBO Reports</i> , <b>2013</b> , 14, 726-32	6.5	33
166	Impact of polymorphic variants on the molecular pharmacology of the two-agonist conformations of the human $\beta$ -adrenoceptor. <i>PLoS ONE</i> , <b>2013</b> , 8, e77582	3.7	4

165	Fragment screening at adenosine-A(3) receptors in living cells using a fluorescence-based binding assay. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 1105-15		67
164	New potent, short-linker BODIPY-630/650-labelled fluorescent adenosine receptor agonists. <i>MedChemComm</i> , <b>2012</b> , 3, 333-338	5	18
163	Highly potent and selective fluorescent antagonists of the human adenosine A <sub>1</sub> receptor based on the 1,2,4-triazolo[4,3-a]quinoxalin-1-one scaffold. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 1771-82	8.3	36
162	A novel fluorescent histamine H(1) receptor antagonist demonstrates the advantage of using fluorescence correlation spectroscopy to study the binding of lipophilic ligands. <i>British Journal of Pharmacology</i> , <b>2012</b> , 165, 1789-1800	8.6	40
161	Adenylyl cyclase AC8 directly controls its micro-environment by recruiting the actin cytoskeleton in a cholesterol-rich milieu. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 869-86	5.3	29
160	Comparison of gull feces-specific assays targeting the 16S rRNA genes of <i>Catelliboccus marimammalium</i> and <i>Streptococcus</i> spp. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 1909-16	4.8	46
159	Allosteric interactions across native adenosine-A3 receptor homodimers: quantification using single-cell ligand-binding kinetics. <i>FASEB Journal</i> , <b>2011</b> , 25, 3465-76	0.9	75
158	Evolution of $\beta$ blockers: from anti-anginal drugs to ligand-directed signalling. <i>Trends in Pharmacological Sciences</i> , <b>2011</b> , 32, 227-34	13.2	87
157	Synthesis and characterization of high-affinity 4,4-difluoro-4-bora-3a,4a-diaza-s-indacene-labeled fluorescent ligands for human $\beta$ drenoceptors. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 6874-87	8.3	35
156	Inhibition of tissue transglutaminase 2 attenuates contractility of pregnant human myometrium. <i>Biology of Reproduction</i> , <b>2011</b> , 84, 646-53	3.9	5
155	Predicting in vivo cardiovascular properties of $\beta$ blockers from cellular assays: a quantitative comparison of cellular and cardiovascular pharmacological responses. <i>FASEB Journal</i> , <b>2011</b> , 25, 4486-97	0.9	14
154	Design and use of fluorescent ligands to study ligand-receptor interactions in single living cells. <i>Methods in Molecular Biology</i> , <b>2011</b> , 746, 211-36	1.4	23
153	Influence of fluorophore and linker composition on the pharmacology of fluorescent adenosine A <sub>1</sub> receptor ligands. <i>British Journal of Pharmacology</i> , <b>2010</b> , 159, 772-86	8.6	66
152	Quantitative analysis of neuropeptide Y receptor association with beta-arrestin2 measured by bimolecular fluorescence complementation. <i>British Journal of Pharmacology</i> , <b>2010</b> , 160, 892-906	8.6	37
151	The effect of allosteric modulators on the kinetics of agonist-G protein-coupled receptor interactions in single living cells. <i>Molecular Pharmacology</i> , <b>2010</b> , 78, 511-23	4.3	153
150	Antagonist selective modulation of adenosine A <sub>1</sub> and A <sub>3</sub> receptor pharmacology by the food dye Brilliant Black BN: evidence for allosteric interactions. <i>Molecular Pharmacology</i> , <b>2010</b> , 77, 678-86	4.3	28
149	Mathematical modelling of signalling in a two-ligand G-protein coupled receptor system: agonist-antagonist competition. <i>Mathematical Biosciences</i> , <b>2010</b> , 223, 115-32	3.9	9
148	Insights into GPCR pharmacology from the measurement of changes in intracellular cyclic AMP; advantages and pitfalls of differing methodologies. <i>British Journal of Pharmacology</i> , <b>2010</b> , 161, 1266-75	8.6	44

147	The Evolving Pharmacology of GPCRs <b>2010</b> , 27-60		2
146	Modelling of the activation of G-protein coupled receptors: drug free constitutive receptor activity. <i>Journal of Mathematical Biology</i> , <b>2010</b> , 60, 313-46	2	7
145	Modelling the activation of G-protein coupled receptors by a single drug. <i>Mathematical Biosciences</i> , <b>2009</b> , 219, 32-55	3.9	10
144	GPCR signaling: understanding the pathway to successful drug discovery. <i>Methods in Molecular Biology</i> , <b>2009</b> , 552, 39-50	1.4	35
143	Effect of CCR5 receptor antagonists on endocytosis of the human CCR5 receptor in CHO-K1 cells. <i>British Journal of Pharmacology</i> , <b>2008</b> , 153, 1513-27	8.6	15
142	Plasma membrane diffusion of G protein-coupled receptor oligomers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2008</b> , 1783, 2262-8	4.9	36
141	ERK phosphorylation: spatial and temporal regulation by G protein-coupled receptors. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2008</b> , 40, 2013-7	5.6	29
140	Agonist-occupied A3 adenosine receptors exist within heterogeneous complexes in membrane microdomains of individual living cells. <i>FASEB Journal</i> , <b>2008</b> , 22, 850-60	0.9	174
139	Role of key transmembrane residues in agonist and antagonist actions at the two conformations of the human beta1-adrenoceptor. <i>Molecular Pharmacology</i> , <b>2008</b> , 74, 1246-60	4.3	20
138	Quantitative profiling of nucleotides and related phosphate-containing metabolites in cultured mammalian cells by liquid chromatography tandem electrospray mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 871, 115-24	3.2	85
137	New fluorescent adenosine A1-receptor agonists that allow quantification of ligand-receptor interactions in microdomains of single living cells. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 782-93	8.3	74
136	A comparison of the antagonist affinities for the Gi- and Gs-coupled states of the human adenosine A1-receptor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 320, 218-28	4.7	24
135	Multiple GPCR conformations and signalling pathways: implications for antagonist affinity estimates. <i>Trends in Pharmacological Sciences</i> , <b>2007</b> , 28, 374-81	13.2	100
134	Pharmacology under the microscope: the use of fluorescence correlation spectroscopy to determine the properties of ligand-receptor complexes. <i>Trends in Pharmacological Sciences</i> , <b>2007</b> , 28, 637-45	13.2	98
133	Transgenic enrichment of cardiomyocytes from human embryonic stem cells. <i>Molecular Therapy</i> , <b>2007</b> , 15, 2027-36	11.7	200
132	G-protein-coupled receptors: past, present and future. <i>British Journal of Pharmacology</i> , <b>2006</b> , 147 Suppl 1, S27-37	8.6	120
131	Clathrin-independent internalization of the human histamine H1-receptor in CHO-K1 cells. <i>British Journal of Pharmacology</i> , <b>2005</b> , 146, 612-24	8.6	26
130	Trypsin stimulates the phosphorylation of p42,44 mitogen-activated protein kinases via the proteinase-activated receptor-2 and protein kinase C epsilon in human cultured prostate stromal cells. <i>Prostate</i> , <b>2005</b> , 64, 175-85	4.2	8



129	Oxytocin inhibits T-type calcium current of human decidual stromal cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 4191-7	5.6	5
128	Characterization of isoprenaline- and salmeterol-stimulated interactions between beta2-adrenoceptors and beta-arrestin 2 using beta-galactosidase complementation in C2C12 cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2005</b> , 315, 839-48	4.7	28
127	Temporal characteristics of cAMP response element-mediated gene transcription: requirement for sustained cAMP production. <i>Molecular Pharmacology</i> , <b>2004</b> , 65, 986-98	4.3	34
126	Quantitative analysis of the formation and diffusion of A1-adenosine receptor-antagonist complexes in single living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 4673-8	11.5	115
125	Coupling of the human A1 adenosine receptor to different heterotrimeric G proteins: evidence for agonist-specific G protein activation. <i>British Journal of Pharmacology</i> , <b>2004</b> , 143, 705-14	8.6	63
124	Application of fluorescence correlation spectroscopy to the measurement of agonist binding to a G-protein coupled receptor at the single cell level. <i>Faraday Discussions</i> , <b>2004</b> , 126, 197-207; discussion 245-54	3.6	30
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- 3 Monitoring ligand-induced changes in receptor conformation with NanoBiT conjugated nanobodies 1
- 2 CXCL17 is an endogenous inhibitor of CXCR4 via a novel mechanism of action 1
- 1 Use of Fluorescence Correlation Spectroscopy to Study the Diffusion of G Protein-coupled Receptors169-195 2