Michel Bouvier

List of Publications by Year in Descending Order

270 papers	21,505 citations	81 h-index	141 g-index
296 ext. papers	23,664 ext. citations	8.4 avg, IF	6.74 L-index

#	Paper	IF	Citations
270	Structural Elements Directing G Proteins and β-Arrestin Interactions with the Human Melatonin Type 2 Receptor Revealed by Natural Variants. *ACS Pharmacology and Translational Science*, **2022**, 5, 89-101	5.9	1
269	Community Guidelines for GPCR Ligand Bias: IUPHAR Review XX.. *British Journal of Pharmacology*, **2022**,	8.6	10
268	Angiotensin II Type 1 Receptor Tachyphylaxis Is Defined by Agonist Residence Time. *Hypertension*, **2022**, 79, 115-125	8.5	
267	Common coupling map advances GPCR-G protein selectivity.. *ELife*, **2022**, 11,	8.9	4
266	Effector membrane translocation biosensors reveal G protein and βarrestin coupling profiles of 100 therapeutically relevant GPCRs.. *ELife*, **2022**, 11,	8.9	10
265	The pocketome of G-protein-coupled receptors reveals previously untargeted allosteric sites.. *Nature Communications*, **2022**, 13, 2567	17.4	2
264	GPCR activation mechanisms across classes and macro/microscales. *Nature Structural and Molecular Biology*, **2021**, 28, 879-888	17.6	10
263	Identifying Plasmodium falciparum receptor activation using bioluminescence resonance energy transfer (BRET)-based biosensors in HEK293 cells. *Methods in Cell Biology*, **2021**, 166, 223-233	1.8	
262	Proadrenomedullin N-Terminal 20 Peptides (PAMPs) Are Agonists of the Chemokine Scavenger Receptor ACKR3/CXCR7. *ACS Pharmacology and Translational Science*, **2021**, 4, 813-823	5.9	2
261	Human MC4R variants affect endocytosis, trafficking and dimerization revealing multiple cellular mechanisms involved in weight regulation. *Cell Reports*, **2021**, 34, 108862	10.6	12
260	In Vitro and In Vivo Evaluation of a Small-Molecule APJ (Apelin Receptor) Agonist, BMS-986224, as a Potential Treatment for Heart Failure. *Circulation: Heart Failure*, **2021**, 14, e007351	7.6	10
259	The RanBP2/RanGAP1-SUMO complex gates βarrestin2 nuclear entry to regulate the Mdm2-p53 signaling axis. *Oncogene*, **2021**, 40, 2243-2257	9.2	4
258	Development of conformational BRET biosensors that monitor ezrin, radixin and moesin activation in real time. *Journal of Cell Science*, **2021**, 134,	5.3	2
257	BRET-based effector membrane translocation assay monitors GPCR-promoted and endocytosis-mediated G activation at early endosomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
256	Extracellular succinate hyperpolarizes M2 macrophages through SUCNR1/GPR91-mediated Gq signaling. *Cell Reports*, **2021**, 35, 109246	10.6	6
255	Novel potent (dihydro)benzofuranyl piperazines as human histamine receptor ligands - Functional characterization and modeling studies on H and H receptors. *Bioorganic and Medicinal Chemistry*, **2021**, 30, 115924	3.4	3
254	Structure-Activity Relationship and Bioactivity of Short Analogues of ELABELA as Agonists of the Apelin Receptor. *Journal of Medicinal Chemistry*, **2021**, 64, 602-615	8.3	1

253	Pharmacological chaperone action in humanized mouse models of MC4R-linked obesity. *JCI Insight*, **2021**, 6,	9.9	2
252	Bioluminescence Resonance Energy Transfer (BRET) Imaging in Living Cells: Image Acquisition and Quantification. *Methods in Molecular Biology*, **2021**, 2274, 305-314	1.4	2
251	Mechanistic insights into dopaminergic and serotonergic neurotransmission - concerted interactions with helices 5 and 6 drive the functional outcome. *Chemical Science*, **2021**, 12, 10990-11003	9.4	3
250	Feedback control of the Gpr161-G-PKA axis contributes to basal Hedgehog repression in zebrafish. *Development (Cambridge)*, **2021**, 148,	6.6	3
249	Constraining the Side Chain of C-Terminal Amino Acids in Apelin-13 Greatly Increases Affinity, Modulates Signaling, and Improves the Pharmacokinetic Profile. *Journal of Medicinal Chemistry*, **2021**, 64, 5345-5364	8.3	3
248	Selective release of gastrointestinal hormones induced by an orally active GPR39 agonist. *Molecular Metabolism*, **2021**, 49, 101207	8.8	2
247	Cryo-EM structure of constitutively active human Frizzled 7 in complex with heterotrimeric G. *Cell Research*, **2021**, 31, 1311-1314	24.7	6
246	Selective FPR2 Agonism Promotes a Proresolution Macrophage Phenotype and Improves Cardiac Structure-Function Post Myocardial Infarction. *JACC Basic To Translational Science*, **2021**, 6, 676-689	8.7	7
245	Discovery of a dual Ras and ARF6 inhibitor from a GPCR endocytosis screen. *Nature Communications* , **2021**, 12, 4688	17.4	1
244	Illuminating the complexity of GPCR pathway selectivity - advances in biosensor development. *Current Opinion in Structural Biology*, **2021**, 69, 142-149	8.1	11
243	Bivalent ligands promote endosomal trafficking of the dopamine D3 receptor-neurotensin receptor 1 heterodimer. *Communications Biology*, **2021**, 4, 1062	6.7	2
242	Comprehensive Signaling Profiles Reveal Unsuspected Functional Selectivity of □Opioid Receptor Agonists and Allow the Identification of Ligands with the Greatest Potential for Inducing Cyclase Superactivation. *ACS Pharmacology and Translational Science*, **2021**, 4, 1483-1498	5.9	1
241	Ackr3-Venus knock-in mouse lights up brain vasculature. *Molecular Brain*, **2021**, 14, 151	4.5	0
240	Signal Transduction Profiling of Angiotensin II Type 1 Receptor With Mutations Associated to Atrial Fibrillation in Humans. *Frontiers in Pharmacology*, **2020**, 11, 600132	5.6	3
239	How GPCR Phosphorylation Patterns Orchestrate Arrestin-Mediated Signaling. *Cell*, **2020**, 183, 1813-1825.e18	36.2	35
238	The PAR2 inhibitor I-287 selectively targets G□and G□signaling and has anti-inflammatory effects. *Communications Biology*, **2020**, 3, 719	6.7	10
237	NF45 and NF90 Regulate Mitotic Gene Expression by Competing with Staufen-Mediated mRNA Decay. *Cell Reports*, **2020**, 31, 107660	10.6	6
236	Beta-arrestins operate an on/off control switch for focal adhesion kinase activity. *Cellular and Molecular Life Sciences*, **2020**, 77, 5259-5279	10.3	2

235	Genetically encoded intrabody sensors report the interaction and trafficking of β-arrestin 1 upon activation of G-protein-coupled receptors. *Journal of Biological Chemistry*, **2020**, 295, 10153-10167	5.4	15
234	Barbadin selectively modulates FPR2-mediated neutrophil functions independent of receptor endocytosis. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118849	4.9	5
233	Circadian, Sleep and Caloric Intake Phenotyping in Type 2 Diabetes Patients With Rare Melatonin Receptor 2 Mutations and Controls: A Pilot Study. *Frontiers in Physiology*, **2020**, 11, 564140	4.6	5
232	Dissecting the roles of GRK2 and GRK3 in β-opioid receptor internalization and β-arrestin2 recruitment using CRISPR/Cas9-edited HEK293 cells. *Scientific Reports*, **2020**, 10, 17395	4.9	13
231	Signal profiling of the μ-AR reveals coupling to novel signalling pathways and distinct phenotypic responses mediated by μ-AR and δ-AR. *Scientific Reports*, **2020**, 10, 8779	4.9	10
230	Agonist-induced formation of unproductive receptor-G complexes. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 21723-21730	11.5	13
229	Biased agonism of clinically approved μ-opioid receptor agonists and TRV130 is not controlled by binding and signaling kinetics. *Neuropharmacology*, **2020**, 166, 107718	5.5	35
228	Exploring use of unsupervised clustering to associate signaling profiles of GPCR ligands to clinical response. *Nature Communications*, **2019**, 10, 4075	17.4	20
227	Apelin protects against abdominal aortic aneurysm and the therapeutic role of neutral endopeptidase resistant apelin analogs. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13006-13015	11.5	26
226	Hybridization of β-Adrenergic Agonists and Antagonists Confers G Protein Bias. *Journal of Medicinal Chemistry*, **2019**, 62, 5111-5131	8.3	5
225	Chemogenetics defines receptor-mediated functions of short chain free fatty acids. *Nature Chemical Biology*, **2019**, 15, 489-498	11.7	29
224	Bioluminescence resonance energy transfer-based imaging of protein-protein interactions in living cells. *Nature Protocols*, **2019**, 14, 1084-1107	18.8	43
223	Agonist-induced desensitisation of β-adrenoceptors: Where, when, and how?. *British Journal of Pharmacology*, **2019**, 176, 2539-2558	8.6	13
222	Biased Signaling of the Mu Opioid Receptor Revealed in Native Neurons. *IScience*, **2019**, 14, 47-57	6.1	46
221	Structural Insight into G Protein-Coupled Receptor Signaling Efficacy and Bias between Gs and β-Arrestin. *ACS Pharmacology and Translational Science*, **2019**, 2, 148-154	5.9	11
220	Discovery of Potent Protease-Activated Receptor 4 Antagonists with in Vivo Antithrombotic Efficacy. *Journal of Medicinal Chemistry*, **2019**, 62, 7400-7416	8.3	6
219	Vasopressin and oxytocin receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. *IUPHAR/BPS Guide To Pharmacology CITE*, **2019**, 2019,	1.7	3
218	Monitoring Signalling and Trafficking of Neurotensin Type 1 Receptor in Animal Model using Fluorescent-based Methods. *FASEB Journal*, **2019**, 33, 502.4	0.9	

217	Preservation of Post-Infarction Cardiac Structure and Function via Long-Term Oral Formyl Peptide Receptor Agonist Treatment. *JACC Basic To Translational Science*, **2019**, 4, 905-920	8.7	16
216	Monitoring ligand-dependent assembly of receptor ternary complexes in live cells by BRETFect. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2653-E2662	11.5	8
215	Emerging Paradigm of Intracellular Targeting of G Protein-Coupled Receptors. *Trends in Biochemical Sciences*, **2018**, 43, 533-546	10.3	24
214	Type 2 diabetes-associated variants of the MT melatonin receptor affect distinct modes of signaling. *Science Signaling*, **2018**, 11,	8.8	33
213	Identification of key regions mediating human melatonin type 1 receptor biased signaling revealed by natural variants. *FASEB Journal*, **2018**, 32, 555.10	0.9	
212	Mapping GPR88-Venus illuminates a novel role for GPR88 in sensory processing. *Brain Structure and Function*, **2018**, 223, 1275-1296	4	15
211	Spatiotemporal regulation of the GPCR activity of BAI3 by C1qL4 and Stabilin-2 controls myoblast fusion. *Nature Communications*, **2018**, 9, 4470	17.4	25
210	FZD is a G-coupled receptor that exhibits the functional hallmarks of prototypical GPCRs. *Science Signaling*, **2018**, 11,	8.8	29
209	Functional selectivity profiling of the angiotensin II type 1 receptor using pathway-wide BRET signaling sensors. *Science Signaling*, **2018**, 11,	8.8	59
208	Manifold roles of -arrestins in GPCR signaling elucidated with siRNA and CRISPR/Cas9. *Science Signaling*, **2018**, 11,	8.8	116
207	Translating biased signaling in the ghrelin receptor system into differential in vivo functions. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E10255-E10264	11.5	31
206	Structural insights into binding specificity, efficacy and bias of a -AR partial agonist. *Nature Chemical Biology*, **2018**, 14, 1059-1066	11.7	96
205	Bioluminescence resonance energy transfer-based biosensors allow monitoring of ligand- and transducer-mediated GPCR conformational changes. *Communications Biology*, **2018**, 1, 106	6.7	17
204	Distinct conformations of GPCR-arrestin complexes mediate desensitization, signaling, and endocytosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 2562-2567	11.5	194
203	Predicting phenotype from genotype: Improving accuracy through more robust experimental and computational modeling. *Human Mutation*, **2017**, 38, 569-580	4.7	25
202	Discovery of G Protein-Biased Dopaminergics with a Pyrazolo[1,5-a]pyridine Substructure. *Journal of Medicinal Chemistry*, **2017**, 60, 2908-2929	8.3	38
201	A new inhibitor of the arrestin/AP2 endocytic complex reveals interplay between GPCR internalization and signalling. *Nature Communications*, **2017**, 8, 15054	17.4	73
200	Purinergic Receptor Transactivation by the -Adrenergic Receptor Increases Intracellular Ca in Nonexcitable Cells. *Molecular Pharmacology*, **2017**, 91, 533-544	4.3	32

199	Systematic protein-protein interaction mapping for clinically relevant human GPCRs. *Molecular Systems Biology*, **2017**, 13, 918	12.2	44
198	KCTD Hetero-oligomers Confer Unique Kinetic Properties on Hippocampal GABAB Receptor-Induced K+ Currents. *Journal of Neuroscience*, **2017**, 37, 1162-1175	6.6	26
197	Blockade of protease-activated receptor-4 (PAR4) provides robust antithrombotic activity with low bleeding. *Science Translational Medicine*, **2017**, 9,	17.5	81
196	Ang-(1-7) is an endogenous -arrestin-biased agonist of the AT receptor with protective action in cardiac hypertrophy. *Scientific Reports*, **2017**, 7, 11903	4.9	57
195	Functional New World monkey oxytocin forms elicit an altered signaling profile and promotes parental care in rats. *Proceedings of the National Academy of Sciences of the United States of America* , **2017**, 114, 9044-9049	11.5	22
194	Older adults with heart failure treated with carvedilol, bisoprolol, or metoprolol tartrate: risk of mortality. *Pharmacoepidemiology and Drug Safety*, **2017**, 26, 81-90	2.6	3
193	Evolutionary action and structural basis of the allosteric switch controlling AR functional selectivity. *Nature Communications*, **2017**, 8, 2169	17.4	38
192	Pharmacological Characterization of 5-Substituted 1-[(2,3-dihydro-1-benzofuran-2-yl)methyl]piperazines: Novel Antagonists for the Histamine H and H Receptors with Anti-inflammatory Potential. *Frontiers in Pharmacology*, **2017**, 8, 825	5.6	14
191	Diverse activation pathways in class A GPCRs converge near the G-protein-coupling region. *Nature*, **2016**, 536, 484-7	50.4	184
190	A Pluridimensional View of Biased Agonism. *Molecular Pharmacology*, **2016**, 90, 587-595	4.3	79
189	Mapping physiological G protein-coupled receptor signaling pathways reveals a role for receptor phosphorylation in airway contraction. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 4524-9	11.5	35
188	Monitoring G protein-coupled receptor and -arrestin trafficking in live cells using enhanced bystander BRET. *Nature Communications*, **2016**, 7, 12178	17.4	140
187	Post-endocytotic Deubiquitination and Degradation of the Metabotropic -Aminobutyric Acid Receptor by the Ubiquitin-specific Protease 14. *Journal of Biological Chemistry*, **2016**, 291, 7156-70	5.4	14
186	Cellular and subcellular context determine outputs from signaling biosensors. *Methods in Cell Biology*, **2016**, 132, 319-37	1.8	7
185	GPCR-G Protein--Arrestin Super-Complex Mediates Sustained G Protein Signaling. *Cell*, **2016**, 166, 907-919	36.2	324
184	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
183	-Arrestin Recruitment and Biased Agonism at Free Fatty Acid Receptor 1. *Journal of Biological Chemistry*, **2015**, 290, 21131-21140	5.4	61
182	Receptor sequestration in response to -arrestin-2 phosphorylation by ERK1/2 governs steady-state levels of GPCR cell-surface expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E5160-8	11.5	32

181	Comparative analyses of downstream signal transduction targets modulated after activation of the AT1 receptor by two β-arrestin-biased agonists. *Frontiers in Pharmacology*, **2015**, 6, 131	5.6	19
180	The experimental power of FR900359 to study Gq-regulated biological processes. *Nature Communications*, **2015**, 6, 10156	17.4	190
179	Transcriptome Analysis Reveals That G Protein-Coupled Receptors Are Potential Diagnostic Markers or Therapeutic Targets in Acute Myeloid Leukemia. *Blood*, **2015**, 126, 3855-3855	2.2	2
178	CrossTalk proposal: Weighing the evidence for Class A GPCR dimers, the evidence favours dimers. *Journal of Physiology*, **2014**, 592, 2439-41	3.9	51
177	A biosensor to monitor dynamic regulation and function of tumour suppressor PTEN in living cells. *Nature Communications*, **2014**, 5, 4431	17.4	17
176	Development and characterization of pepducins as Gs-biased allosteric agonists. *Journal of Biological Chemistry*, **2014**, 289, 35668-84	5.4	56
175	Mapping the putative G protein-coupled receptor (GPCR) docking site on GPCR kinase 2: insights from intact cell phosphorylation and recruitment assays. *Journal of Biological Chemistry*, **2014**, 289, 25262-75	5.4	30
174	Biased signaling favoring gi over β-arrestin promoted by an apelin fragment lacking the C-terminal phenylalanine. *Journal of Biological Chemistry*, **2014**, 289, 24599-610	5.4	54
173	The chemokine CXC4 and CC2 receptors form homo- and heterooligomers that can engage their signaling G-protein effectors and β-arrestin. *FASEB Journal*, **2014**, 28, 4509-23	0.9	35
172	N-Glycan-dependent and -independent quality control of human δ-opioid receptor N-terminal variants. *Journal of Biological Chemistry*, **2014**, 289, 17830-42	5.4	8
171	Novel Screening Paradigms for the Identification of Allosteric Modulators and/or Biased Ligands for Challenging G-Protein-Coupled Receptors. *Annual Reports in Medicinal Chemistry*, **2014**, 49, 285-300	1.6	3
170	Quantification of ligand bias for clinically relevant β2-adrenergic receptor ligands: implications for drug taxonomy. *Molecular Pharmacology*, **2014**, 85, 492-509	4.3	165
169	Rebuttal from Michel Bouvier and Terence E. Hébert. *Journal of Physiology*, **2014**, 592, 2447	3.9	13
168	CNIH4 interacts with newly synthesized GPCR and controls their export from the endoplasmic reticulum. *Traffic*, **2014**, 15, 383-400	5.7	35
167	Ligand bias prevents class equality among beta-blockers. *Current Opinion in Pharmacology*, **2014**, 16, 50-7	5.1	26
166	Probing the Functional Selectivity of β-adrenergic Receptors Reveals New Signaling Modes and Potential Therapeutic Applications **2014**, 112		
165	Technology combination to address GPCR allosteric modulator drug-discovery pitfalls. *Drug Discovery Today: Technologies*, **2013**, 10, e261-7	7.1	10
164	Inhibitors that stabilize a closed RAF kinase domain conformation induce dimerization. *Nature Chemical Biology*, **2013**, 9, 428-36	11.7	120

163	Bioinactive ACTH causing glucocorticoid deficiency. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, 736-42	5.6	39
162	Conformational dynamics of Kir3.1/Kir3.2 channel activation via opioid receptors. *Molecular Pharmacology*, **2013**, 83, 416-28	4.3	42
161	Pepducin targeting the C-X-C chemokine receptor type 4 acts as a biased agonist favoring activation of the inhibitory G protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E5088-97	11.5	114
160	Role of the GRK2 extreme amino terminus and active site tether in forming G protein-coupled receptor docking site. *FASEB Journal*, **2013**, 27, 1040.1	0.9	
159	Differential arrestin-dependent conformational signaling and cellular responses revealed by angiotensin analogs. *Science Signaling*, **2012**, 5, ra33	8.8	119
158	Restructuring G-protein- coupled receptor activation. *Cell*, **2012**, 151, 14-23	56.2	208
157	Cys-27 variant of human opioid receptor modulates maturation and cell surface delivery of Phe-27 variant via heteromerization. *Journal of Biological Chemistry*, **2012**, 287, 5008-20	5.4	17
156	Identification and characterization of an activating F229V substitution in the V2 vasopressin receptor in an infant with NSIAD. *Journal of the American Society of Nephrology: JASN*, **2012**, 23, 1635-40	12.7	36
155	Engagement of arrestin by transactivated insulin-like growth factor receptor is needed for V2 vasopressin receptor-stimulated ERK1/2 activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1028-37	11.5	37
154	Functional selective oxytocin-derived agonists discriminate between individual G protein family subtypes. *Journal of Biological Chemistry*, **2012**, 287, 3617-29	5.4	117
153	Impedance responses reveal adrenergic receptor signaling pluridimensionality and allow classification of ligands with distinct signaling profiles. *PLoS ONE*, **2012**, 7, e29420	3.7	77
152	Ligand functional selectivity and quantitative pharmacology at G protein-coupled receptors. *Expert Opinion on Drug Discovery*, **2011**, 6, 811-25	6.2	61
151	G protein-coupled receptor modulation with pepducins: moving closer to the clinic. *Annals of the New York Academy of Sciences*, **2011**, 1226, 34-49	6.5	36
150	PKA regulatory subunits mediate synergy among conserved G-protein-coupled receptor cascades. *Nature Communications*, **2011**, 2, 598	17.4	34
149	Contribution of Kv1.2 voltage-gated potassium channel to D2 autoreceptor regulation of axonal dopamine overflow. *Journal of Biological Chemistry*, **2011**, 286, 9360-72	5.4	32
148	A synthetic biology approach reveals a CXCR4-G13-Rho signaling axis driving transendothelial migration of metastatic breast cancer cells. *Science Signaling*, **2011**, 4, ra60	8.8	104
147	Neutrophil elastase acts as a biased agonist for proteinase-activated receptor-2 (PAR2). *Journal of Biological Chemistry*, **2011**, 286, 24638-48	5.4	109
146	mdecine/sciences2011. *Medecine/Sciences*, **2011**, 27, 3-4		

145	Multimerization of Staufen1 in live cells. *Rna*, **2010**, 16, 585-97	5.8	39
144	Pharmacological chaperones restore function to MC4R mutants responsible for severe early-onset obesity. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 335, 520-32	4.7	61
143	Functional characterization of vasopressin type 2 receptor substitutions (R137H/C/L) leading to nephrogenic diabetes insipidus and nephrogenic syndrome of inappropriate antidiuresis: implications for treatments. *Molecular Pharmacology*, **2010**, 77, 836-45	4.3	50
142	Protein-protein interactions monitored in cells from transgenic mice using bioluminescence resonance energy transfer. *FASEB Journal*, **2010**, 24, 2829-38	0.9	27
141	Vasopressin type 2 receptor V88M mutation: molecular basis of partial and complete nephrogenic diabetes insipidus. *Nephron Physiology*, **2010**, 114, p1-10		37
140	Receptor-regulated interaction of activator of G-protein signaling-4 and Galphai. *Journal of Biological Chemistry*, **2010**, 285, 20588-94	5.4	33
139	Site-specific phosphorylation of CXCR4 is dynamically regulated by multiple kinases and results in differential modulation of CXCR4 signaling. *Journal of Biological Chemistry*, **2010**, 285, 7805-17	5.4	198
138	Regulation of the AGS3 G{alpha}i signaling complex by a seven-transmembrane span receptor. *Journal of Biological Chemistry*, **2010**, 285, 33949-58	5.4	32
137	A novel biased allosteric compound inhibitor of parturition selectively impedes the prostaglandin F2alpha-mediated Rho/ROCK signaling pathway. *Journal of Biological Chemistry*, **2010**, 285, 25624-36	5.4	74
136	Combining resonance energy transfer methods reveals a complex between the alpha2A-adrenergic receptor, Galphai1beta1gamma2, and GRK2. *FASEB Journal*, **2010**, 24, 4733-43	0.9	21
135	GPCR-OKB: the G Protein Coupled Receptor Oligomer Knowledge Base. *Bioinformatics*, **2010**, 26, 1804-57.2		71
134	Sensory neuron-specific MAS-related gene-X1 receptors resist agonist-promoted endocytosis. *Molecular Pharmacology*, **2010**, 78, 249-59	4.3	18
133	Multiplexing of multicolor bioluminescence resonance energy transfer. *Biophysical Journal*, **2010**, 99, 4037-46	2.9	67
132	Pharmacological Chaperones: Potential for the Treatment of Hereditary Diseases Caused by Mutations in G Protein-Coupled Receptors **2010**, 460-510		2
131	An evolutionarily conserved autoinhibitory molecular switch in ELMO proteins regulates Rac signaling. *Current Biology*, **2010**, 20, 2021-7	6.3	42
130	RECEPTOR-REGULATED INTERACTION OF ACTIVATOR OF G-PROTEIN SIGNALING 4 AND GIALPHA. *FASEB Journal*, **2010**, 24, 587.8	0.9	
129	COUPLING OF A G-PROTEIN COUPLED RECEPTOR TO THE AGS3-Galphai SIGNALING COMPLEX. *FASEB Journal*, **2010**, 24, 587.7	0.9	
128	Combining resonance energy transfer methods reveals a complex between the 2A-adrenergic receptor, G1112, and GRK2. *FASEB Journal*, **2010**, 24, 4733-4743	0.9	2

127	Agonist-biased signaling via proteinase activated receptor-2: differential activation of calcium and mitogen-activated protein kinase pathways. *Molecular Pharmacology*, **2009**, 76, 791-801	4.3	83
126	Functional selectivity of natural and synthetic prostaglandin EP4 receptor ligands. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 331, 297-307	4.7	84
125	Building a new conceptual framework for receptor heteromers. *Nature Chemical Biology*, **2009**, 5, 131-4	11.7	313
124	Functional rescue of beta-adrenoceptor dimerization and trafficking by pharmacological chaperones. *Traffic*, **2009**, 10, 1019-33	5.7	62
123	Regulation of AGS3 and Gialpha1 interaction in living cells. *FASEB Journal*, **2009**, 23, 584.4	0.9	
122	Interaction of AGS4 and Gialpha1 in living cells. *FASEB Journal*, **2009**, 23, 584.7	0.9	
121	Insights into signaling from the beta2-adrenergic receptor structure. *Nature Chemical Biology*, **2008** , 4, 397-403	11.7	87
120	Subcellular imaging of dynamic protein interactions by bioluminescence resonance energy transfer. *Biophysical Journal*, **2008**, 94, 1001-9	2.9	66
119	Conformational rearrangements and signaling cascades involved in ligand-biased mitogen-activated protein kinase signaling through the beta1-adrenergic receptor. *Molecular Pharmacology*, **2008**, 74, 162-72	4.3	90
118	Cholesterol-dependent separation of the beta2-adrenergic receptor from its partners determines signaling efficacy: insight into nanoscale organization of signal transduction. *Journal of Biological Chemistry*, **2008**, 283, 24659-72	5.4	105
117	Bioluminescence resonance energy transfer assays reveal ligand-specific conformational changes within preformed signaling complexes containing delta-opioid receptors and heterotrimeric G proteins. *Journal of Biological Chemistry*, **2008**, 283, 15078-88	5.4	91
116	Distinct motifs of neuropeptide Y receptors differentially regulate trafficking and desensitization. *Traffic*, **2008**, 9, 305-24	5.7	28
115	Calcitonin gene-related peptide analogues with aza and indolizidinone amino acid residues reveal conformational requirements for antagonist activity at the human calcitonin gene-related peptide 1 receptor. *Journal of Medicinal Chemistry*, **2007**, 50, 1401-8	8.3	26
114	When an inhibitor promotes activity. *Chemistry and Biology*, **2007**, 14, 241-2		4
113	BRET analysis of GPCR oligomerization: newer does not mean better. *Nature Methods*, **2007**, 4, 3-4; author reply 4	21.6	112
112	The V2 vasopressin receptor stimulates ERK1/2 activity independently of heterotrimeric G protein signalling. *Cellular Signalling*, **2007**, 19, 32-41	4.9	61
111	Unraveling G protein-coupled receptor endocytosis pathways using real-time monitoring of agonist-promoted interaction between beta-arrestins and AP-2. *Journal of Biological Chemistry*, **2007**, 282, 29089-100	5.4	59
110	International Union of Basic and Clinical Pharmacology. LXVII. Recommendations for the recognition and nomenclature of G protein-coupled receptor heteromultimers. *Pharmacological Reviews*, **2007**, 59, 5-13	22.5	255

109	Src-dependent phosphorylation of beta2-adaptin dissociates the beta-arrestin-AP-2 complex. *Journal of Cell Science*, **2007**, 120, 1723-32	5.3	37
108	Functional calcitonin gene-related peptide receptors are formed by the asymmetric assembly of a calcitonin receptor-like receptor homo-oligomer and a monomer of receptor activity-modifying protein-1. *Journal of Biological Chemistry*, **2007**, 282, 31610-20	5.4	68
107	The evasive nature of drug efficacy: implications for drug discovery. *Trends in Pharmacological Sciences*, **2007**, 28, 423-30	13.2	295
106	Resonance energy transfer approaches in molecular pharmacology and beyond. *Trends in Pharmacological Sciences*, **2007**, 28, 362-5	13.2	123
105	Assembly and signaling of CRLR and RAMP1 complexes assessed by BRET. *Biochemistry*, **2007**, 46, 7022-33	3.2	36
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List of Publications

1 GPCR-G protein selectivity a unified meta-analysis 3