

# Brian K Kobilka

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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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.

260  
papers

45,138  
citations

100  
h-index

212  
g-index

281  
ext. papers

51,058  
ext. citations

17.7  
avg, IF

7.46  
L-index

#	Paper	IF	Citations
260	Atypical structural snapshots of human cytomegalovirus GPCR interactions with host G proteins.. <i>Science Advances</i> , <b>2022</b> , 8, eabl5442	14.3	0
259	Structural determinants of dual incretin receptor agonism by tirzepatide.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2116506119	11.5	0
258	Cannabinoid receptor 1 antagonist genistein attenuates marijuana-induced vascular inflammation.. <i>Cell</i> , <b>2022</b> ,	56.2	5
257	Structures of active melanocortin-4 receptor-Gs-protein complexes with NDP-MSH and setmelanotide. <i>Cell Research</i> , <b>2021</b> , 31, 1176-1189	24.7	5
256	Chemical Synthesis of a Full-Length G-Protein-Coupled Receptor Adrenergic Receptor with Defined Modification Patterns at the C-Terminus. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17566-17576	16.4	5
255	G-protein activation by a metabotropic glutamate receptor. <i>Nature</i> , <b>2021</b> , 595, 450-454	50.4	24
254	Crystal structure of dopamine D1 receptor in complex with G protein and a non-catechol agonist. <i>Nature Communications</i> , <b>2021</b> , 12, 3305	17.4	8
253	Structural basis for the constitutive activity and immunomodulatory properties of the Epstein-Barr virus-encoded G protein-coupled receptor BILF1. <i>Immunity</i> , <b>2021</b> , 54, 1405-1416.e7	32.3	3
252	Conformationally flexible core-bearing detergents with a hydrophobic or hydrophilic pendant: Effect of pendant polarity on detergent conformation and membrane protein stability. <i>Acta Biomaterialia</i> , <b>2021</b> , 128, 393-407	10.8	4
251	Binding pathway determines norepinephrine selectivity for the human $\beta$ AR over $\alpha$ AR. <i>Cell Research</i> , <b>2021</b> , 31, 569-579	24.7	23
250	Maltose-bis(hydroxymethyl)phenol (MBPs) and Maltose-tris(hydroxymethyl)phenol (MTPs) Amphiphiles for Membrane Protein Stability. <i>ACS Chemical Biology</i> , <b>2021</b> , 16, 1779-1790	4.9	0
249	How GPCR Phosphorylation Patterns Orchestrate Arrestin-Mediated Signaling. <i>Cell</i> , <b>2020</b> , 183, 1813-1825.e18	35.6	35
248	Diastereomeric Cyclopentane-Based Maltosides (CPMs) as Tools for Membrane Protein Study. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 21382-21392	16.4	0
247	An allosteric modulator binds to a conformational hub in the $\beta$ adrenergic receptor. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 749-755	11.7	16
246	New Malonate-Derived Tetraglucoside Detergents for Membrane Protein Stability. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 1697-1707	4.9	1
245	Pendant-bearing glucose-neopentyl glycol (P-GNG) amphiphiles for membrane protein manipulation: Importance of detergent pendant chain for protein stabilization. <i>Acta Biomaterialia</i> , <b>2020</b> , 112, 250-261	10.8	5
244	Activation of the $\beta$ adrenoceptor by the sedative sympatholytic dexmedetomidine. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 507-512	11.7	20

243	Time-resolved Conformational Analysis during GPCR-Gs Coupling. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2020</b> , 93, 3-S28-3	0	0
242	Structure and selectivity engineering of the M muscarinic receptor toxin complex. <i>Science</i> , <b>2020</b> , 369, 161-167	33.3	13
241	Structure of the neurotensin receptor 1 in complex with $\beta$ arrestin 1. <i>Nature</i> , <b>2020</b> , 579, 303-308	50.4	124
240	Structures of G $\beta$ Proteins in Complex with Their Chaperone Reveal Quality Control Mechanisms. <i>Cell Reports</i> , <b>2020</b> , 30, 3699-3709.e6	10.6	4
239	Structural insights into the subtype-selective antagonist binding to the M2 muscarinic receptor. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2020</b> , 93, 3-P-359	0	
238	Viewing rare conformations of the $\beta$ adrenergic receptor with pressure-resolved DEER spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 31824-31831	11.5	13
237	Structural basis for GLP-1 receptor activation by LY3502970, an orally active nonpeptide agonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 29959-29967	11.5	19
236	Structural insights into probe-dependent positive allosterism of the GLP-1 receptor. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 1105-1110	11.7	22
235	Structural insights into differences in G protein activation by family A and family B GPCRs. <i>Science</i> , <b>2020</b> , 369,	33.3	36
234	Analysis of $\beta$ AR-G and $\beta$ AR-G complex formation by NMR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 23096-23105	11.5	16
233	Asymmetric maltose neopentyl glycol amphiphiles for a membrane protein study: effect of detergent asymmetry on protein stability. <i>Chemical Science</i> , <b>2019</b> , 10, 1107-1116	9.4	18
232	Structural insights into the activation of metabotropic glutamate receptors. <i>Nature</i> , <b>2019</b> , 566, 79-84	50.4	148
231	An improved yeast surface display platform for the screening of nanobody immune libraries. <i>Scientific Reports</i> , <b>2019</b> , 9, 382	4.9	37
230	Conformational transitions of a neurotensin receptor-G $\beta$ complex. <i>Nature</i> , <b>2019</b> , 572, 80-85	50.4	110
229	Structural Insights into the Process of GPCR-G Protein Complex Formation. <i>Cell</i> , <b>2019</b> , 177, 1243-1251.e15	56.2	61
228	Assembly of a GPCR-G Protein Complex. <i>Cell</i> , <b>2019</b> , 177, 1232-1242.e11	56.2	88
227	Structures of the M1 and M2 muscarinic acetylcholine receptor/G-protein complexes. <i>Science</i> , <b>2019</b> , 364, 552-557	33.3	130
226	Conformational Complexity and Dynamics in a Muscarinic Receptor Revealed by NMR Spectroscopy. <i>Molecular Cell</i> , <b>2019</b> , 75, 53-65.e7	17.6	31

225	Selective modulation of the cannabinoid type 1 (CB) receptor as an emerging platform for the treatment of neuropathic pain. <i>MedChemComm</i> , <b>2019</b> , 10, 647-659	5	11
224	Trehalose-cored amphiphiles for membrane protein stabilization: importance of the detergent micelle size in GPCR stability. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 3249-3257	3.9	8
223	Self-Assembly Behaviors of a Penta-Phenylene Maltoside and Its Application for Membrane Protein Study. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1926-1931	4.5	5
222	Diverse GPCRs exhibit conserved water networks for stabilization and activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 3288-3293	11.5	71
221	Conformational Plasticity of Human Protease-Activated Receptor 1 upon Antagonist- and Agonist-Binding. <i>Structure</i> , <b>2019</b> , 27, 1517-1526.e3	5.2	6
220	Conformationally Restricted Monosaccharide-Cored Glycoside Amphiphiles: The Effect of Detergent Headgroup Variation on Membrane Protein Stability. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1717-1728	4.9	2
219	Saving the Endangered Physician-Scientist - A Plan for Accelerating Medical Breakthroughs. <i>New England Journal of Medicine</i> , <b>2019</b> , 381, 399-402	59.2	53
218	Mechanism of $\beta$ AR regulation by an intracellular positive allosteric modulator. <i>Science</i> , <b>2019</b> , 364, 1283-1287	39.3	36
217	Self-Assembly Behavior and Application of Terphenyl-Cored Trimaltosides for Membrane-Protein Studies: Impact of Detergent Hydrophobic Group Geometry on Protein Stability. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 11545-11554	4.8	4
216	Negative Allosteric Modulation of Arrestin Recruitment to the $\beta$ -Adrenergic Receptor. <i>FASEB Journal</i> , <b>2019</b> , 33, 503.15	0.9	0
215	1,3,5-Triazine-Cored Maltoside Amphiphiles for Membrane Protein Extraction and Stabilization. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 19677-19687	16.4	7
214	Structure of a Signaling Cannabinoid Receptor 1-G Protein Complex. <i>Cell</i> , <b>2019</b> , 176, 448-458.e12	56.2	196
213	Angiotensin Analogs with Divergent Bias Stabilize Distinct Receptor Conformations. <i>Cell</i> , <b>2019</b> , 176, 468-478.e11	56.2	114
212	Steroid-Based Amphiphiles for Membrane Protein Study: The Importance of Alkyl Spacers for Protein Stability. <i>ChemBioChem</i> , <b>2018</b> , 19, 1433-1443	3.8	2
211	Structure-based discovery of selective positive allosteric modulators of antagonists for the M muscarinic acetylcholine receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E2419-E2428	11.5	38
210	Structure and dynamics of GPCR signaling complexes. <i>Nature Structural and Molecular Biology</i> , <b>2018</b> , 25, 4-12	17.6	370
209	Structural Properties of the Human Protease-Activated Receptor 1 Changing by a Strong Antagonist. <i>Structure</i> , <b>2018</b> , 26, 829-838.e4	5.2	6
208	Vitamin E-based glycoside amphiphiles for membrane protein structural studies. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 2489-2498	3.9	4

207	Rationally Engineered Tandem Facial Amphiphiles for Improved Membrane Protein Stabilization Efficacy. <i>ChemBioChem</i> , <b>2018</b> , 19, 2225-2232	3.8	2
206	Single Proteoliposome High-Content Analysis Reveals Differences in the Homo-Oligomerization of GPCRs. <i>Biophysical Journal</i> , <b>2018</b> , 115, 300-312	2.9	11
205	An Engineered Lithocholate-Based Facial Amphiphile Stabilizes Membrane Proteins: Assessing the Impact of Detergent Customizability on Protein Stability. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9860-9868	4.8	9
204	Structure of the $\mu$ -opioid receptor-G protein complex. <i>Nature</i> , <b>2018</b> , 558, 547-552	50.4	321
203	The Molecular Basis of G Protein-Coupled Receptor Activation. <i>Annual Review of Biochemistry</i> , <b>2018</b> , 87, 897-919	29.1	389
202	A comparative study of branched and linear mannitol-based amphiphiles on membrane protein stability. <i>Analyst, The</i> , <b>2018</b> , 143, 5702-5710	5	1
201	Structural insights into the subtype-selective antagonist binding to the M muscarinic receptor. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 1150-1158	11.7	39
200	Structure-guided development of selective M3 muscarinic acetylcholine receptor antagonists. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 12046-12050	11.5	39
199	Structural insights into binding specificity, efficacy and bias of a $\mu$ AR partial agonist. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 1059-1066	11.7	96
198	Development of an antibody fragment that stabilizes GPCR/G-protein complexes. <i>Nature Communications</i> , <b>2018</b> , 9, 3712	17.4	68
197	Structural mechanisms of selectivity and gating in anion channelrhodopsins. <i>Nature</i> , <b>2018</b> , 561, 349-354	50.4	48
196	Crystal structure of the natural anion-conducting channelrhodopsin GtACR1. <i>Nature</i> , <b>2018</b> , 561, 343-348	50.4	55
195	Conformationally Preorganized Diastereomeric Norbornane-Based Maltosides for Membrane Protein Study: Implications of Detergent Kink for Micellar Properties. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3072-3081	16.4	32
194	Crystal structure of the adenosine A receptor bound to an antagonist reveals a potential allosteric pocket. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2066-2071	11.5	87
193	Structural and Functional Analysis of a $\beta$ Adrenergic Receptor Complex with GRK5. <i>Cell</i> , <b>2017</b> , 169, 407-421	46.16	99
192	Phase-plate cryo-EM structure of a class B GPCR-G-protein complex. <i>Nature</i> , <b>2017</b> , 546, 118-123	50.4	334
191	Single-molecule analysis of ligand efficacy in $\mu$ AR-G-protein activation. <i>Nature</i> , <b>2017</b> , 547, 68-73	50.4	164
190	Cryo-EM structure of the activated GLP-1 receptor in complex with a G protein. <i>Nature</i> , <b>2017</b> , 546, 248-253	50.4	344

189	Resorcinarene-Based Facial Glycosides: Implication of Detergent Flexibility on Membrane-Protein Stability. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6724-6729	4.8	17
188	Nanobodies to Study G Protein-Coupled Receptor Structure and Function. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2017</b> , 57, 19-37	17.9	138
187	Dendronic trimaltoside amphiphiles (DTMs) for membrane protein study. <i>Chemical Science</i> , <b>2017</b> , 8, 8315-8324	9.4	15
186	New penta-saccharide-bearing tripod amphiphiles for membrane protein structure studies. <i>Analyst, The</i> , <b>2017</b> , 142, 3889-3898	5	7
185	The cubicon method for concentrating membrane proteins in the cubic mesophase. <i>Nature Protocols</i> , <b>2017</b> , 12, 1745-1762	18.8	23
184	Mechanism of intracellular allosteric $\beta$ AR antagonist revealed by X-ray crystal structure. <i>Nature</i> , <b>2017</b> , 548, 480-484	50.4	100
183	Tandem malonate-based glucosides (TMGs) for membrane protein structural studies. <i>Scientific Reports</i> , <b>2017</b> , 7, 3963	4.9	8
182	Butane-1,2,3,4-tetraol-based amphiphilic stereoisomers for membrane protein study: importance of chirality in the linker region. <i>Chemical Science</i> , <b>2017</b> , 8, 1169-1177	9.4	8
181	Structure-based discovery of opioid analgesics with reduced side effects. <i>Nature</i> , <b>2016</b> , 537, 185-190	50.4	547
180	Isomeric Detergent Comparison for Membrane Protein Stability: Importance of Inter-Alkyl-Chain Distance and Alkyl Chain Length. <i>ChemBioChem</i> , <b>2016</b> , 17, 2334-2339	3.8	12
179	Allosteric nanobodies reveal the dynamic range and diverse mechanisms of G-protein-coupled receptor activation. <i>Nature</i> , <b>2016</b> , 535, 448-52	50.4	205
178	Mesitylene-Cored Glucoside Amphiphiles (MGAs) for Membrane Protein Studies: Importance of Alkyl Chain Density in Detergent Efficacy. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 18833-18839	4.8	11
177	High-density grids for efficient data collection from multiple crystals. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2016</b> , 72, 2-11	5.5	52
176	Allosteric coupling from G protein to the agonist-binding pocket in GPCRs. <i>Nature</i> , <b>2016</b> , 535, 182-6	50.4	155
175	Allosteric regulation of G protein-coupled receptor activity by phospholipids. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 35-9	11.7	183
174	In meso in situ serial X-ray crystallography of soluble and membrane proteins at cryogenic temperatures. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2016</b> , 72, 93-112	5.5	80
173	Crystal structures of the M1 and M4 muscarinic acetylcholine receptors. <i>Nature</i> , <b>2016</b> , 531, 335-40	50.4	211
172	Highly Branched Pentasaccharide-Bearing Amphiphiles for Membrane Protein Studies. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3789-96	16.4	46

171	Accessible Mannitol-Based Amphiphiles (MNAs) for Membrane Protein Solubilisation and Stabilisation. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7068-73	4.8	26
170	Propagation of conformational changes during $\beta$ opioid receptor activation. <i>Nature</i> , <b>2015</b> , 524, 375-8	50.4	173
169	Structural insights into $\mu$ -opioid receptor activation. <i>Nature</i> , <b>2015</b> , 524, 315-21	50.4	558
168	Imaging G protein-coupled receptors while quantifying their ligand-binding free-energy landscape. <i>Nature Methods</i> , <b>2015</b> , 12, 845-851	21.6	84
167	SIGNAL TRANSDUCTION. Structural basis for nucleotide exchange in heterotrimeric G proteins. <i>Science</i> , <b>2015</b> , 348, 1361-5	33.3	174
166	Effective application of bicelles for conformational analysis of G protein-coupled receptors by hydrogen/deuterium exchange mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 808-817	3.5	45
165	Structural Insights into the Dynamic Process of $\alpha$ -Adrenergic Receptor Signaling. <i>Cell</i> , <b>2015</b> , 161, 1101-1112	11.2	409
164	Novel Xylene-Linked Maltoside Amphiphiles (XMAs) for Membrane Protein Stabilisation. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10008-13	4.8	14
163	Identifying and quantifying two ligand-binding sites while imaging native human membrane receptors by AFM. <i>Nature Communications</i> , <b>2015</b> , 6, 8857	17.4	53
162	Muscarinic acetylcholine receptor X-ray structures: potential implications for drug development. <i>Current Opinion in Pharmacology</i> , <b>2014</b> , 16, 24-30	5.1	30
161	A general protocol for the generation of Nanobodies for structural biology. <i>Nature Protocols</i> , <b>2014</b> , 9, 674-93	18.8	380
160	Modified T4 Lysozyme Fusion Proteins Facilitate G Protein-Coupled Receptor Crystallogensis. <i>Structure</i> , <b>2014</b> , 22, 1657-64	5.2	89
159	Goniometer-based femtosecond crystallography with X-ray free electron lasers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17122-7	11.5	105
158	Nanoscale high-content analysis using compositional heterogeneities of single proteoliposomes. <i>Nature Methods</i> , <b>2014</b> , 11, 931-4	21.6	50
157	Visualization of arrestin recruitment by a G-protein-coupled receptor. <i>Nature</i> , <b>2014</b> , 512, 218-222	50.4	349
156	Novel insights into M3 muscarinic acetylcholine receptor physiology and structure. <i>Journal of Molecular Neuroscience</i> , <b>2014</b> , 53, 316-23	3.3	16
155	Regulation of $\alpha$ -adrenergic receptor function by conformationally selective single-domain intrabodies. <i>Molecular Pharmacology</i> , <b>2014</b> , 85, 472-81	4.3	97
154	The role of protein dynamics in GPCR function: insights from the $\alpha$ AR and rhodopsin. <i>Current Opinion in Cell Biology</i> , <b>2014</b> , 27, 136-43	9	172



153	Muscarinic acetylcholine receptors: novel opportunities for drug development. <i>Nature Reviews Drug Discovery</i> , <b>2014</b> , 13, 549-60	64.1	245
152	Development and characterization of pepducins as Gs-biased allosteric agonists. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 35668-84	5.4	56
151	Covalent agonists for studying G protein-coupled receptor activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10744-8	11.5	69
150	Activation and allosteric modulation of a muscarinic acetylcholine receptor. <i>Nature</i> , <b>2013</b> , 504, 101-6	50.4	639
149	Adrenaline-activated structure of $\beta$ -adrenoceptor stabilized by an engineered nanobody. <i>Nature</i> , <b>2013</b> , 502, 575-579	50.4	337
148	The dynamic process of $\beta$ -adrenergic receptor activation. <i>Cell</i> , <b>2013</b> , 152, 532-42	56.2	589
147	Novel tripod amphiphiles for membrane protein analysis. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 15645-51	4.81	35
146	Glucose-neopentyl glycol (GNG) amphiphiles for membrane protein study. <i>Chemical Communications</i> , <b>2013</b> , 49, 2287-9	5.8	67
145	Structure of active $\beta$ -arrestin-1 bound to a G-protein-coupled receptor phosphopeptide. <i>Nature</i> , <b>2013</b> , 497, 137-41	50.4	310
144	Identification of GPCR-interacting cytosolic proteins using HDL particles and mass spectrometry-based proteomic approach. <i>PLoS ONE</i> , <b>2013</b> , 8, e54942	3.7	21
143	The role of ligands on the equilibria between functional states of a G protein-coupled receptor. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 9465-74	16.4	128
142	The structural basis of G-protein-coupled receptor signaling (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6380-8	16.4	130
141	Muscarinic receptors as model targets and antitargets for structure-based ligand discovery. <i>Molecular Pharmacology</i> , <b>2013</b> , 84, 528-40	4.3	49
140	Applications of molecular replacement to G protein-coupled receptors. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2013</b> , 69, 2287-92		3
139	Brian Kobilka: chipping away at the $\beta$ -adrenergic receptor. Interview by Ruth Williams. <i>Circulation Research</i> , <b>2013</b> , 112, 1538-41	15.7	1
138	Die strukturelle Grundlage der Signaltransduktion mit G-Protein-gekoppelten Rezeptoren (Nobel-Aufsatz). <i>Angewandte Chemie</i> , <b>2013</b> , 125, 6508-6517	3.6	12
137	Crystal structure of active Beta-arrestin1 bound to phosphorylated carboxy-terminus of a G protein-coupled receptor. <i>FASEB Journal</i> , <b>2013</b> , 27, lb549	0.9	
136	Structural insights into the dynamic process of G-protein-coupled receptor activation. <i>FASEB Journal</i> , <b>2013</b> , 27, 323.1	0.9	1



135	High-resolution crystal structure of human protease-activated receptor 1. <i>Nature</i> , <b>2012</b> , 492, 387-92	50.4	353
134	Structure of the human M2 muscarinic acetylcholine receptor bound to an antagonist. <i>Nature</i> , <b>2012</b> , 482, 547-51	50.4	625
133	Ligand-specific interactions modulate kinetic, energetic, and mechanical properties of the human $\beta$ adrenergic receptor. <i>Structure</i> , <b>2012</b> , 20, 1391-402	5.2	79
132	Role of detergents in conformational exchange of a G protein-coupled receptor. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 36305-11	5.4	75
131	Structure-based drug screening for G-protein-coupled receptors. <i>Trends in Pharmacological Sciences</i> , <b>2012</b> , 33, 268-72	13.2	229
130	N-terminal T4 lysozyme fusion facilitates crystallization of a G protein coupled receptor. <i>PLoS ONE</i> , <b>2012</b> , 7, e46039	3.7	99
129	Structure of the $\beta$ opioid receptor bound to naltrindole. <i>Nature</i> , <b>2012</b> , 485, 400-4	50.4	538
128	Crystal structure of the $\mu$ -opioid receptor bound to a morphinan antagonist. <i>Nature</i> , <b>2012</b> , 485, 321-6	50.4	1003
127	Structure and dynamics of the M3 muscarinic acetylcholine receptor. <i>Nature</i> , <b>2012</b> , 482, 552-6	50.4	613
126	A new era of GPCR structural and chemical biology. <i>Nature Chemical Biology</i> , <b>2012</b> , 8, 670-3	11.7	160
125	A new class of amphiphiles bearing rigid hydrophobic groups for solubilization and stabilization of membrane proteins. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9485-90	4.8	87
124	Inside Cover: A New Class of Amphiphiles Bearing Rigid Hydrophobic Groups for Solubilization and Stabilization of Membrane Proteins (Chem. Eur. J. 31/2012). <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9434-9434	4.8	
123	Cholesterol increases kinetic, energetic, and mechanical stability of the human $\beta$ -adrenergic receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E3463-72	11.5	121
122	Crystal structure of the $\beta$ adrenergic receptor-Gs protein complex. <i>Nature</i> , <b>2011</b> , 477, 549-55	50.4	2228
121	Structural insights into adrenergic receptor function and pharmacology. <i>Trends in Pharmacological Sciences</i> , <b>2011</b> , 32, 213-8	13.2	139
120	Structure of a nanobody-stabilized active state of the $\beta_2$ adrenoceptor. <i>Nature</i> , <b>2011</b> , 469, 175-80	50.4	1299
119	Structure and function of an irreversible agonist- $\beta_2$ adrenoceptor complex. <i>Nature</i> , <b>2011</b> , 469, 236-40	50.4	664
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