Jean-Philippe Pin

List of Publications by Year
in descending order

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247 papers	22,038 citations	9786 73 h-index	11308 136 g-index
264 all docs	264 docs citations	264 times ranked	14186 citing authors

#	Article	IF	Citations
1	Metabotropic glutamate receptor orthosteric ligands and their binding sites. Neuropharmacology, 2022, 204, 108886.	4.1	9
2	Structural basis of the activation of metabotropic glutamate receptor 3. Cell Research, 2022, 32, 695-698.	12.0	16
3	Chronic sodium bromide treatment relieves autistic-like behavioral deficits in three mouse models of autism. Neuropsychopharmacology, 2022, 47, 1680-1692.	5.4	6
4	Nanobody-based sensors reveal a high proportion of mGlu heterodimers in the brain. Nature Chemical Biology, 2022, 18, 894-903.	8.0	19
5	Structural basis of GABAB receptorâ€“Gi protein coupling. Nature, 2021, 594, 594-598.	27.8	50
6	G proteinâ€coupled receptors can control the Hippo/YAP pathway through Gq signaling. FASEB Journal, 2021, 35, e21668.	0.5	14
7	GABA_B receptors in GtoPdb v.2021.2. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	0
8	Structures of human mGlu2 and mGlu7 homo- and heterodimers. Nature, 2021, 594, 589-593.	27.8	66
9	Agonists and allosteric modulators promote signaling from different metabotropic glutamate receptor 5 conformations. Cell Reports, 2021, 36, 109648.	6.4	32
10	A nanobody activating metabotropic glutamate receptor 4 discriminates between homo- and heterodimers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
11	Metabotropic glutamate receptors in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	0
12	Class A Orphans in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	3
13	Allosteric modulators enhance agonist efficacy by increasing the residence time of a GPCR in the active state. Nature Communications, 2021, 12, 5426.	12.8	34
14	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	5.4	337
15	GABAB1e promotes the malignancy of human cancer cells by targeting the tyrosine phosphatase PTPN12. IScience, 2021, 24, 103311.	4.1	6
16	The GABA _B receptor mediates neuroprotection by coupling to G ₁₃. Science Signaling, 2021, 14, eaaz4112.	3.6	11
17	SGIP1 modulates kinetics and interactions of the cannabinoid receptor 1 and G proteinâ€coupled receptor kinase 3 signalosome. Journal of Neurochemistry, 2021, , .	3.9	5
18	Allosteric ligands control the activation of a class C GPCR heterodimer by acting at the transmembrane interface. ELife, 2021, 10, .	6.0	14

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19	Illuminating the allosteric modulation of the calcium-sensing receptor. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21711-21722.	7.1	37
20	Structural basis for distinct quality control mechanisms of GABA _B receptor during evolution. FASEB Journal, 2020, 34, 16348-16363.	0.5	4
21	Structural basis of the activation of a metabotropic GABA receptor. Nature, 2020, 584, 298-303.	27.8	92
22	D1-mGlu5 heteromers mediate noncanonical dopamine signaling in Parkinsonâ€™s disease. Journal of Clinical Investigation, 2020, 130, 1168-1184.	8.2	32
23	Class A Orphans (version 2020.5) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2020, 2020, .	0.2	7
24	Context-Dependent Signaling of CXC Chemokine Receptor 4 and Atypical Chemokine Receptor 3. Molecular Pharmacology, 2019, 96, 778-793.	2.3	30
25	Nonclassical Ligand-Independent Regulation of Go Protein by an Orphan Class C G-Proteinâ€“Coupled Receptor. Molecular Pharmacology, 2019, 96, 233-246.	2.3	11
26	Rearrangement of the transmembrane domain interfaces associated with the activation of a GPCR hetero-oligomer. Nature Communications, 2019, 10, 2765.	12.8	40
27	GPCR interaction as a possible way for allosteric control between receptors. Molecular and Cellular Endocrinology, 2019, 486, 89-95.	3.2	31
28	Time-Resolved FRET-Based Assays to Characterize G Protein-Coupled Receptor Hetero-oligomer Pharmacology. Methods in Molecular Biology, 2019, 1947, 151-168.	0.9	3
29	HTRFÂ® Total and Phospho-YAP (Ser127) Cellular Assays. Methods in Molecular Biology, 2019, 1893, 153-166.	0.9	2
30	Class A Orphans (version 2019.5) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	8
31	Class A Orphans (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	0
32	Metabotropic glutamate receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	1
33	GABA_B receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	0
34	Modulation of Metabotropic Glutamate Receptors by Orthosteric, Allosteric, and Light-Operated Ligands. Topics in Medicinal Chemistry, 2018, , 253-284.	0.8	0
35	Increased Potency and Selectivity for Group III Metabotropic Glutamate Receptor Agonists Binding at Dual sites. Journal of Medicinal Chemistry, 2018, 61, 1969-1989.	6.4	26
36	Allosteric interactions between GABAB1 subunits control orthosteric binding sites occupancy within GABAB oligomers. Neuropharmacology, 2018, 136, 92-101.	4.1	14

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37	Direct coupling of detergent purified human mGlu5 receptor to the heterotrimeric G proteins Gq and Gs. Scientific Reports, 2018, 8, 4407.	3.3	18
38	Inhibition of neuronal FLT3 receptor tyrosine kinase alleviates peripheral neuropathic pain in mice. Nature Communications, 2018, 9, 1042.	12.8	47
39	From the Promiscuous Asenapine to Potent Fluorescent Ligands Acting at a Series of Aminergic G-Protein-Coupled Receptors. Journal of Medicinal Chemistry, 2018, 61, 174-188.	6.4	13
40	Oligomerization of a G protein-coupled receptor in neurons controlled by its structural dynamics. Scientific Reports, 2018, 8, 10414.	3.3	32
41	Chloride ions stabilize the glutamate-induced active state of the metabotropic glutamate receptor 3. Neuropharmacology, 2018, 140, 275-286.	4.1	26
42	Profiling of orthosteric and allosteric group-III metabotropic glutamate receptor ligands on various G protein-coupled receptors with Tag-liteÂ® assays. Neuropharmacology, 2018, 140, 233-245.	4.1	6
43	HTS-compatible FRET-based conformational sensors clarify membrane receptor activation. Nature Chemical Biology, 2017, 13, 372-380.	8.0	52
44	FRET-Based Sensors Unravel Activation and Allosteric Modulation of the GABAB Receptor. Cell Chemical Biology, 2017, 24, 360-370.	5.2	30
45	Antibodies targeting G protein-coupled receptors: Recent advances and therapeutic challenges. MAbs, 2017, 9, 735-741.	5.2	19
46	Fluorescent-Based Strategies to Investigate G Protein-Coupled Receptors: Evolution of the Techniques to a Better Understanding. Topics in Medicinal Chemistry, 2017, , 217-252.	0.8	1
47	Illuminating Phenylazopyridines To Photoswitch Metabotropic Glutamate Receptors: From the Flask to the Animals. ACS Central Science, 2017, 3, 81-91.	11.3	58
48	Structure, Dynamics, and Modulation of Metabotropic Glutamate Receptors. Receptors, 2017, , 129-147.	0.2	1
49	Class C GPCRs: Metabotropic Glutamate Receptors. , 2017, , 327-356.		0
50	Analysis of positive and negative allosteric modulation in metabotropic glutamate receptors 4 and 5 with a dual ligand. Scientific Reports, 2017, 7, 4944.	3.3	14
51	Allosteric nanobodies uncover a role of hippocampal mGlu2 receptor homodimers in contextual fear consolidation. Nature Communications, 2017, 8, 1967.	12.8	66
52	Class C G protein-coupled receptors: reviving old couples with new partners. Biophysics Reports, 2017, 3, 57-63.	0.8	38
53	RgIA4 Potently Blocks Mouse Î±9Î±10 nAChRs and Provides Long Lasting Protection against Oxaliplatin-Induced Cold Allodynia. Frontiers in Cellular Neuroscience, 2017, 11, 219.	3.7	56
54	Optical control of pain in vivo with a photoactive mGlu5 receptor negative allosteric modulator. ELife, 2017, 6, .	6.0	48

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55	Pharmacological evidence for a metabotropic glutamate receptor heterodimer in neuronal cells. ELife, 2017, 6, .	6.0	63
56	Allosteric control of an asymmetric transduction in a G protein-coupled receptor heterodimer. ELife, 2017, 6, .	6.0	48
57	Organization and functions of mGlu and GABAB receptor complexes. Nature, 2016, 540, 60-68.	27.8	198
58	Identification of key phosphorylation sites in PTH1R that determine arrestin3 binding and fine-tune receptor signaling. Biochemical Journal, 2016, 473, 4173-4192.	3.7	25
59	OptoGluNAM4.1, a Photoswitchable Allosteric Antagonist for Real-Time Control of mGlu 4 Receptor Activity. Cell Chemical Biology, 2016, 23, 929-934.	5.2	68
60	New 4-Functionalized Glutamate Analogues Are Selective Agonists at Metabotropic Glutamate Receptor Subtype 2 or Selective Agonists at Metabotropic Glutamate Receptor Group III. Journal of Medicinal Chemistry, 2016, 59, 914-924.	6.4	14
61	A negative allosteric modulator modulates GABAB-receptor signalling through GB2 subunits. Biochemical Journal, 2016, 473, 779-787.	3.7	19
62	Activation Mechanism and Allosteric Properties of the GABAB Receptor. , 2016, , 93-108.		2
63	Shining Light on an mGlu5 Photoswitchable NAM: A Theoretical Perspective. Current Neuropharmacology, 2016, 14, 441-454.	2.9	18
64	Untangling dopamine-adenosine receptor assembly in experimental parkinsonism. DMM Disease Models and Mechanisms, 2015, 8, 57-63.	2.4	55
65	Synthesis and studies on the mGluR agonist activity of FAP4 stereoisomers. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 2523-2526.	2.2	8
66	GABAB receptor promotes its own surface expression by recruiting a Rap1-dependent signaling cascade. Journal of Cell Science, 2015, 128, 2302-2313.	2.0	25
67	Generic GPCR residue numbers â€" aligning topology maps while minding the gaps. Trends in Pharmacological Sciences, 2015, 36, 22-31.	8.7	387
68	Multicolor timeâ€resolved FÃ¶rster resonance energy transfer microscopy reveals the impact of GPCR oligomerization on internalization processes. FASEB Journal, 2015, 29, 2235-2246.	0.5	41
69	Editorial overview: Neurosciences: Targeting glutamatergic signaling in CNS diseases: new hopes?. Current Opinion in Pharmacology, 2015, 20, iv-vi.	3.5	1
70	The metabotropic glutamate receptors. , 2015, , 269-282.		0
71	Dynamics and modulation of metabotropic glutamate receptors. Current Opinion in Pharmacology, 2015, 20, 95-101.	3.5	57
72	Allosteric modulation of metabotropic glutamate receptors by chloride ions. FASEB Journal, 2015, 29, 4174-4188.	0.5	37

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73	G Proteinâ€"Coupled Receptor Multimers: A Question Still Open Despite the Use of Novel Approaches. Molecular Pharmacology, 2015, 88, 561-571.	2.3	64
74	Major ligand-induced rearrangement of the heptahelical domain interface in a GPCR dimer. Nature Chemical Biology, 2015, 11, 134-140.	8.0	172
75	Overlapping binding sites drive allosteric agonism and positive cooperativity in type 4 metabotropic glutamate receptors. FASEB Journal, 2015, 29, 116-130.	0.5	54
76	Determination of the absolute configuration of phosphinic analogues of glutamate. Organic and Biomolecular Chemistry, 2015, 13, 1106-1112.	2.8	6
77	Time-Resolved FRET Binding Assay to Investigate Hetero-Oligomer Binding Properties: Proof of Concept with Dopamine D₁/D₃ Heterodimer. ACS Chemical Biology, 2015, 10, 466-474.	3.4	39
78	Time-Resolved FRET Strategy to Screen GPCR Ligand Library. Methods in Molecular Biology, 2015, 1272, 23-36.	0.9	15
79	Complex GABAB receptor complexes: how to generate multiple functionally distinct units from a single receptor. Frontiers in Pharmacology, 2014, 5, 12.	3.5	42
80	The chemokine CXC4 and CC2 receptors form homoâ€•and heterooligomers that can engage their signaling Gâ€protein effectors and Î²arrestin. FASEB Journal, 2014, 28, 4509-4523.	0.5	47
81	Homogeneous Time-Resolved Fluorescence-Based Assay to Monitor Extracellular Signal-Regulated Kinase Signaling in a High-Throughput Format. Frontiers in Endocrinology, 2014, 5, 94.	3.5	16
82	Exploring the Active Conformation of Cyclohexane Carboxylate Positive Allosteric Modulators of the Typeâ€…4 Metabotropic Glutamate Receptor. ChemMedChem, 2014, 9, 2685-2698.	3.2	1
83	Fine tuning of sub-millisecond conformational dynamics controls metabotropic glutamate receptors agonist efficacy. Nature Communications, 2014, 5, 5206.	12.8	89
84	G Proteinâ€"Coupled Receptor Oligomerization Revisited: Functional and Pharmacological Perspectives. Pharmacological Reviews, 2014, 66, 413-434.	16.0	497
85	An allosteric modulator to control endogenous G protein-coupled receptors with light. Nature Chemical Biology, 2014, 10, 813-815.	8.0	147
86	International Union of Basic and Clinical Pharmacology. XC. Multisite Pharmacology: Recommendations for the Nomenclature of Receptor Allosterism and Allosteric Ligands. Pharmacological Reviews, 2014, 66, 918-947.	16.0	189
87	Biased signaling through Gâ€proteinâ€coupled PROKR2 receptors harboring missense mutations. FASEB Journal, 2014, 28, 3734-3744.	0.5	37
88	Fluorescent ligands to investigate GPCR binding properties and oligomerization. Biochemical Society Transactions, 2013, 41, 148-153.	3.4	27
89	Time-Resolved FÃ¶rster Resonance Energy Transfer-Based Technologies to Investigate G Protein-Coupled Receptor Machinery. Progress in Molecular Biology and Translational Science, 2013, 113, 275-312.	1.7	8
90	Tuning synaptic activity with light-controlled GPCRs. Nature Neuroscience, 2013, 16, 377-379.	14.8	1

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91	Interaction of Protease-Activated Receptor 2 with G Proteins and Î²-Arrestin 1 Studied by Bioluminescence Resonance Energy Transfer. Frontiers in Endocrinology, 2013, 4, 196.	3.5	21
92	Up-regulation of GABAB Receptor Signaling by Constitutive Assembly with the K+ Channel Tetramerization Domain-containing Protein 12 (KCTD12). Journal of Biological Chemistry, 2013, 288, 24848-24856.	3.4	33
93	Illuminating the activation mechanisms and allosteric properties of metabotropic glutamate receptors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1416-25.	7.1	103
94	Alleviating Pain Hypersensitivity through Activation of Type 4 Metabotropic Glutamate Receptor. Journal of Neuroscience, 2013, 33, 18951-18965.	3.6	52
95	BRET and Time-resolved FRET strategy to study GPCR oligomerization: from cell lines toward native tissues. Frontiers in Endocrinology, 2012, 3, 92.	3.5	67
96	Receptor-G Protein Interaction Studied by Bioluminescence Resonance Energy Transfer: Lessons from Protease-Activated Receptor 1. Frontiers in Endocrinology, 2012, 3, 82.	3.5	22
97	Distinct roles of metabotropic glutamate receptor dimerization in agonist activation and G-protein coupling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16342-16347.	7.1	152
98	Stability of GABA _B receptor oligomers revealed by dual TRâ€FRET and drugâ€induced cell surface targeting. FASEB Journal, 2012, 26, 3430-3439.	0.5	32
99	Sequential Inter- and Intrasubunit Rearrangements During Activation of Dimeric Metabotropic Glutamate Receptor 1. Science Signaling, 2012, 5, ra59.	3.6	82
100	Î±-Amino-Î²-fluorocyclopropanecarboxylic acids as a new tool for drug development: Synthesis of glutamic acid analogs and agonist activity towards metabotropic glutamate receptor 4. Bioorganic and Medicinal Chemistry, 2012, 20, 4716-4726.	3.0	30
101	New Fluorescent Strategies Shine Light on the Evolving Concept of GPCR Oligomerization. Springer Series on Fluorescence, 2012, , 389-415.	0.8	0
102	A novel selective metabotropic glutamate receptor 4 agonist reveals new possibilities for developing subtype selective ligands with therapeutic potential. FASEB Journal, 2012, 26, 1682-1693.	0.5	85
103	Structure and functional interaction of the extracellular domain of human GABAB receptor GBR2. Nature Neuroscience, 2012, 15, 970-978.	14.8	61
104	A critical pocket close to the glutamate binding site of mGlu receptors opens new possibilities for agonist design. Neuropharmacology, 2011, 60, 102-107.	4.1	25
105	The complexity of their activation mechanism opens new possibilities for the modulation of mGlu and GABAB class C G protein-coupled receptors. Neuropharmacology, 2011, 60, 82-92.	4.1	80
106	Introduction to the special issue on High Resolution Neuropharmacology. Neuropharmacology, 2011, 60, 1-2.	4.1	1
107	<i>Trans</i>-activation between 7TM domains: implication in heterodimeric GABA_Breceptor activation. EMBO Journal, 2011, 30, 32-42.	7.8	72
108	The oligomeric state sets GABA_Breceptor signalling efficacy. EMBO Journal, 2011, 30, 2336-2349.	7.8	84

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109	Dimers and beyond: The functional puzzles of class C GPCRs. , 2011, 130, 9-25.		207
110	Class C receptor activation mechanisms illustrated by <scp>mGlu</scp> and GABA_B receptors. A review.. Flavour and Fragrance Journal, 2011, 26, 218-222.	2.6	0
111	Integrated Synthetic, Pharmacological, and Computational Investigation of <i>cis</i>â€2â€(3,5â€Dichlorophenylcarbamoyl)cyclohexanecarboxylic Acid Enantiomers As Positive Allosteric Modulators of Metabotropic Glutamate Receptor Subtypeâ€…4. ChemMedChem, 2011, 6, 131-140.	3.2	9
112	Interdomain movements in metabotropic glutamate receptor activation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15480-15485.	7.1	77
113	G Protein Activation by Serotonin Type 4 Receptor Dimers. Journal of Biological Chemistry, 2011, 286, 9985-9997.	3.4	69
114	A new approach to analyze cell surface protein complexes reveals specific heterodimeric metabotropic glutamate receptors. FASEB Journal, 2011, 25, 66-77.	0.5	262
115	Original Fluorescent Ligand-Based Assays Open New Perspectives in G-Protein Coupled Receptor Drug Screening. Pharmaceuticals, 2011, 4, 202-214.	3.8	25
116	Time Resolved FRET Strategy with Fluorescent Ligands to Analyze Receptor Interactions in Native Tissues: Application to GPCR Oligomerization. Methods in Molecular Biology, 2011, 746, 373-387.	0.9	22
117	Cell-Surface Proteinâ€"Protein Interaction Analysis with Time-Resolved FRET and Snap-Tag Technologies: Application to G Protein-Coupled Receptor Oligomerization. Methods in Molecular Biology, 2011, 756, 201-214.	0.9	25
118	Time-resolved FRET between GPCR ligands reveals oligomers in native tissues. Nature Chemical Biology, 2010, 6, 587-594.	8.0	306
119	CRF receptor 1 regulates anxiety behavior via sensitization of 5-HT2 receptor signaling. Nature Neuroscience, 2010, 13, 622-629.	14.8	176
120	The Metabotropic Glutamate Receptor mGlu7 Activates Phospholipase C, Translocates Munc-13-1 Protein, and Potentiates Glutamate Release at Cerebrocortical Nerve Terminals. Journal of Biological Chemistry, 2010, 285, 17907-17917.	3.4	55
121	GABA_BReceptor Activation Protects Neurons from Apoptosis via IGF-1 Receptor Transactivation. Journal of Neuroscience, 2010, 30, 749-759.	3.6	90
122	Differential association modes of the thrombin receptor PAR₁with GÎ±il, GÎ±12, and Î²â€arrestin 1. FASEB Journal, 2010, 24, 3522-3535.	0.5	62
123	GPCR-OKB: the G Protein Coupled Receptor Oligomer Knowledge Base. Bioinformatics, 2010, 26, 1804-1805.	4.1	74
124	A Virtual Screening Hit Reveals New Possibilities for Developing Group III Metabotropic Glutamate Receptor Agonists. Journal of Medicinal Chemistry, 2010, 53, 2797-2813.	6.4	66
125	Functional crosstalk between GPCRs: with or without oligomerization. Current Opinion in Pharmacology, 2010, 10, 6-13.	3.5	95
126	The asymmetric/symmetric activation of GPCR dimers as a possible mechanistic rationale for multiple signalling pathways. Trends in Pharmacological Sciences, 2010, 31, 15-21.	8.7	69

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127	A New Family of Receptor Tyrosine Kinases with a Venus Flytrap Binding Domain in Insects and Other Invertebrates Activated by Aminoacids. PLoS ONE, 2009, 4, e5651.	2.5	52
128	Inhibition of Heterotrimeric G Protein Signaling by a Small Molecule Acting on GÎ± Subunit. Journal of Biological Chemistry, 2009, 284, 29136-29145.	3.4	67
129	PROKR2 missense mutations associated with Kallmann syndrome impair receptor signalling activity. Human Molecular Genetics, 2009, 18, 75-81.	2.9	192
130	IUPHAR-DB: the IUPHAR database of G protein-coupled receptors and ion channels. Nucleic Acids Research, 2009, 37, D680-D685.	14.5	199
131	Electrophysiological and behavioral evidence that modulation of metabotropic glutamate receptor 4 with a new agonist reverses experimental parkinsonism. FASEB Journal, 2009, 23, 3619-3628.	0.5	106
132	Metabotropic receptors for glutamate and GABA in pain. Brain Research Reviews, 2009, 60, 43-56.	9.0	176
133	Gâ€proteinâ€coupled receptor oligomers: two or more for what? Lessons from mGlu and GABA_B receptors. Journal of Physiology, 2009, 587, 5337-5344.	2.9	53
134	Crosstalk between GABAB and mGlu1a receptors reveals new insight into GPCR signal integration. EMBO Journal, 2009, 28, 2195-2208.	7.8	124
135	Building a new conceptual framework for receptor heteromers. Nature Chemical Biology, 2009, 5, 131-134.	8.0	349
136	Metabotropic glutamate receptor subtype 4 selectively modulates both glutamate and GABA transmission in the striatum: implications for Parkinsonâ€™s disease treatment. Journal of Neurochemistry, 2009, 109, 1096-1105.	3.9	65
137	Functioning of the dimeric GABAB receptor extracellular domain revealed by glycan wedge scanning. EMBO Journal, 2008, 27, 1321-1332.	7.8	69
138	Cell-surface protein-protein interaction analysis with time-resolved FRET and snap-tag technologies: application to GPCR oligomerization. Nature Methods, 2008, 5, 561-567.	19.0	452
139	Surface expression of metabotropic glutamate receptor variants mGluR1a and mGluR1b in transfected HEK293 cells. Neuropharmacology, 2008, 55, 409-418.	4.1	22
140	Group III metabotropic glutamate receptors inhibit hyperalgesia in animal models of inflammation and neuropathic pain. Pain, 2008, 137, 112-124.	4.2	96
141	Modeling the Binding and Function of Metabotropic Glutamate Receptors. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 443-456.	2.5	24
142	<i>N</i>-{4-Chloro-2-[(1,3-dioxo-1,3-dihydro-2<i>H</i>-isoindol-2-yl)methyl]phenyl}-2-hydroxybenzamide (CPPHA) Acts through a Novel Site as a Positive Allosteric Modulator of Group 1 Metabotropic Glutamate Receptors. Molecular Pharmacology, 2008, 73, 909-918.	2.3	91
143	G Protein Activation by the Leukotriene B4 Receptor Dimer. Journal of Biological Chemistry, 2008, 283, 21084-21092.	3.4	42
144	Common Structural Requirements for Heptahelical Domain Function in Class A and Class C G Protein-coupled Receptors. Journal of Biological Chemistry, 2007, 282, 12154-12163.	3.4	63

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145	Activation of a Dimeric Metabotropic Glutamate Receptor by Intersubunit Rearrangement. Journal of Biological Chemistry, 2007, 282, 33000-33008.	3.4	92
146	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.	16.0	274
147	Allosteric Modulators of GABAB Receptors: Mechanism of Action and Therapeutic Perspective. Current Neuropharmacology, 2007, 5, 195-201.	2.9	76
148	Real-Time Analysis of Agonist-Induced Activation of Protease-Activated Receptor 1/GÎ±i1Protein Complex Measured by Bioluminescence Resonance Energy Transfer in Living Cells. Molecular Pharmacology, 2007, 71, 1329-1340.	2.3	86
149	Interaction of Novel Positive Allosteric Modulators of Metabotropic Glutamate Receptor 5 with the Negative Allosteric Antagonist Site Is Required for Potentiation of Receptor Responses. Molecular Pharmacology, 2007, 71, 1389-1398.	2.3	81
150	Amino-Pyrrolidine Tricarboxylic Acids Give New Insight into Group III Metabotropic Glutamate Receptor Activation Mechanism. Molecular Pharmacology, 2007, 71, 704-712.	2.3	15
151	Synthesis and Biological Evaluation of 1-Amino-2-Phosphonomethylcyclopropanecarboxylic Acids, New Group III Metabotropic Glutamate Receptor Agonists. Journal of Medicinal Chemistry, 2007, 50, 3585-3595.	6.4	49
152	<scp>l</scp>-(+)-2-Amino-4-thiophosphonobutyric Acid (<scp>l</scp>-thioAP4), a New Potent Agonist of Group III Metabotropic Glutamate Receptors:â€‰ Increased Distal Acidity Affords Enhanced Potency. Journal of Medicinal Chemistry, 2007, 50, 4656-4664.	6.4	60
153	Requirements and ontology for a G protein-coupled receptor oligomerization knowledge base. BMC Bioinformatics, 2007, 8, 177.	2.6	42
154	Dominant role of GABAB2 and GÎ²Î³ for GABAB receptor-mediated-ERK1/2/CREB pathway in cerebellar neurons. Cellular Signalling, 2007, 19, 1996-2002.	3.6	56
155	Identification and characterization of Hedgehog modulator properties after functional coupling of Smoothened to G15. Biochemical and Biophysical Research Communications, 2006, 349, 471-479.	2.1	36
156	Among the twenty classical l-amino acids, only glutamate directly activates metabotropic glutamate receptors. Neuropharmacology, 2006, 50, 245-253.	4.1	25
157	Asymmetric conformational changes in a GPCR dimer controlled by G-proteins. EMBO Journal, 2006, 25, 5693-5702.	7.8	133
158	d-myo-Inositol 1-phosphate as a surrogate of d-myo-inositol 1,4,5-tris phosphate to monitor G protein-coupled receptor activation. Analytical Biochemistry, 2006, 358, 126-135.	2.4	117
159	Coupling of Agonist Binding to Effector Domain Activation in Metabotropic Glutamate-like Receptors. Journal of Biological Chemistry, 2006, 281, 24653-24661.	3.4	71
160	Probing the Existence of G Protein-Coupled Receptor Dimers by Positive and Negative Ligand-Dependent Cooperative Binding. Molecular Pharmacology, 2006, 70, 1783-1791.	2.3	107
161	Evidence for a single heptahelical domain being turned on upon activation of a dimeric GPCR. EMBO Journal, 2005, 24, 499-509.	7.8	150
162	Asymmetric Functioning of Dimeric Metabotropic Glutamate Receptors Disclosed by Positive Allosteric Modulators. Journal of Biological Chemistry, 2005, 280, 24380-24385.	3.4	114

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163	International Union of Pharmacology. LVI. Ghrelin Receptor Nomenclature, Distribution, and Function. Pharmacological Reviews, 2005, 57, 541-546.	16.0	215
164	Assembly-dependent Surface Targeting of the Heterodimeric GABAB Receptor Is Controlled by COPI but Not 14-3-3. Molecular Biology of the Cell, 2005, 16, 5572-5578.	2.1	72
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