

# Jean-Philippe Pin

## List of Publications by Year in descending order

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247  
papers

22,038  
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9786

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264  
docs citations

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times ranked

14186  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | PHARMACOLOGY AND FUNCTIONS OF METABOTROPIC GLUTAMATE RECEPTORS. Annual Review of Pharmacology and Toxicology, 1997, 37, 205-237.  | 9.4  | 2,824     |
| 2  | Glutamate stimulates inositol phosphate formation in striatal neurones. Nature, 1985, 317, 717-719.   | 27.8 | 730       |
| 3  | Evolution, structure, and activation mechanism of family 3/C G-protein-coupled receptors. , 2003, 98, 325-354.  |      | 580       |
| 4  | Virtual Screening Workflow Development Guided by the "Receiver Operating Characteristic" Curve Approach. Application to High-Throughput Docking on Metabotropic Glutamate Receptor Subtype 4. Journal of Medicinal Chemistry, 2005, 48, 2534-2547.  | 6.4  | 548       |
| 5  | G Protein-Coupled Receptor Oligomerization Revisited: Functional and Pharmacological Perspectives. Pharmacological Reviews, 2014, 66, 413-434.  | 16.0 | 497       |
| 6  | 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       |
| 7  | Generic GPCR residue numbers "aligning topology maps while minding the gaps. Trends in Pharmacological Sciences, 2015, 36, 22-31.   | 8.7  | 387       |
| 8  | Building a new conceptual framework for receptor heteromers. Nature Chemical Biology, 2009, 5, 131-134.   | 8.0  | 349       |
| 9  | THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G protein-coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.   | 5.4  | 337       |
| 10 | Time-resolved FRET between GPCR ligands reveals oligomers in native tissues. Nature Chemical Biology, 2010, 6, 587-594.   | 8.0  | 306       |
| 11 | C-Terminal Interaction Is Essential for Surface Trafficking But Not for Heteromeric Assembly of GABA <sub>B</sub> Receptors. Journal of Neuroscience, 2001, 21, 1189-1202.  | 3.6  | 292       |
| 12 | Molecular determinants of metabotropic glutamate receptor signaling. Trends in Pharmacological Sciences, 2001, 22, 114-120.   | 8.7  | 291       |
| 13 | 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       |
| 14 | A new approach to analyze cell surface protein complexes reveals specific heterodimeric metabotropic glutamate receptors. FASEB Journal, 2011, 25, 66-77.   | 0.5  | 262       |
| 15 | Closed state of both binding domains of homodimeric mGlu receptors is required for full activity. Nature Structural and Molecular Biology, 2004, 11, 706-713.   | 8.2  | 249       |
| 16 | The Non-competitive Antagonists 2-Methyl-6-(phenylethynyl)pyridine and 7-Hydroxyiminocyclopropan[b]chromen-1a-carboxylic Acid Ethyl Ester Interact with Overlapping Binding Pockets in the Transmembrane Region of Group I Metabotropic Glutamate Receptors. Journal of Biological Chemistry, 2000, 275, 33750-33758. | 3.4  | 242       |
| 17 | The Metabotropic Glutamate Receptors: Structure, Activation Mechanism and Pharmacology. CNS and Neurological Disorders, 2002, 1, 297-317.   | 4.3  | 241       |
| 18 | Dendritic and Axonal Targeting of Type 5 Metabotropic Glutamate Receptor Is Regulated by Homer1 Proteins and Neuronal Excitation. Journal of Neuroscience, 2000, 20, 8710-8716.   | 3.6  | 215       |

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|----|---|------|-----------|
| 19 | International Union of Pharmacology. LVI. Ghrelin Receptor Nomenclature, Distribution, and Function. <i>Pharmacological Reviews</i> , 2005, 57, 541-546.  | 16.0 | 215       |
| 20 | Dimers and beyond: The functional puzzles of class C GPCRs. , 2011, 130, 9-25.  |      | 207       |
| 21 | IUPHAR-DB: the IUPHAR database of G protein-coupled receptors and ion channels. <i>Nucleic Acids Research</i> , 2009, 37, D680-D685.  | 14.5 | 199       |
| 22 | Organization and functions of mGlu and GABAB receptor complexes. <i>Nature</i> , 2016, 540, 60-68.  | 27.8 | 198       |
| 23 | Mutagenesis and Modeling of the GABAB Receptor Extracellular Domain Support a Venus Flytrap Mechanism for Ligand Binding. <i>Journal of Biological Chemistry</i> , 1999, 274, 13362-13369.                                    | 3.4  | 195       |
| 24 | PROKR2 missense mutations associated with Kallmann syndrome impair receptor signalling activity. <i>Human Molecular Genetics</i> , 2009, 18, 75-81.   | 2.9  | 192       |
| 25 | International Union of Basic and Clinical Pharmacology. XC. Multisite Pharmacology: Recommendations for the Nomenclature of Receptor Allostereism and Allosteric Ligands. <i>Pharmacological Reviews</i> , 2014, 66, 918-947. | 16.0 | 189       |
| 26 | The Heptahelical Domain of GABAB2 Is Activated Directly by CGP7930, a Positive Allosteric Modulator of the GABAB Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 29085-29091.                                   | 3.4  | 186       |
| 27 | Metabotropic receptors for glutamate and GABA in pain. <i>Brain Research Reviews</i> , 2009, 60, 43-56.   | 9.0  | 176       |
| 28 | CRF receptor 1 regulates anxiety behavior via sensitization of 5-HT2 receptor signaling. <i>Nature Neuroscience</i> , 2010, 13, 622-629.  | 14.8 | 176       |
| 29 | A Single Subunit (GB2) Is Required for G-protein Activation by the Heterodimeric GABAB Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 3236-3241.   | 3.4  | 175       |
| 30 | Major ligand-induced rearrangement of the heptahelical domain interface in a GPCR dimer. <i>Nature Chemical Biology</i> , 2015, 11, 134-140.  | 8.0  | 172       |
| 31 | Distinct roles of metabotropic glutamate receptor dimerization in agonist activation and G-protein coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16342-16347. | 7.1  | 152       |
| 32 | Zinc has opposite effects on NMDA and Non-NMDA receptors expressed in xenopus oocytes. <i>Neuron</i> , 1990, 4, 733-740.  | 8.1  | 151       |
| 33 | Evidence for a single heptahelical domain being turned on upon activation of a dimeric GPCR. <i>EMBO Journal</i> , 2005, 24, 499-509.   | 7.8  | 150       |
| 34 | Comparative effect of l-CCG-I, DCG-IV and $\hat{I}^3$ -carboxy-l-glutamate on all cloned metabotropic glutamate receptor subtypes. <i>Neuropharmacology</i> , 1998, 37, 1043-1051.  | 4.1  | 148       |
| 35 | An allosteric modulator to control endogenous G protein-coupled receptors with light. <i>Nature Chemical Biology</i> , 2014, 10, 813-815.   | 8.0  | 147       |
| 36 | The Second Intracellular Loop of Metabotropic Glutamate Receptor 1 Cooperates with the Other Intracellular Domains to Control Coupling to G-proteins. <i>Journal of Biological Chemistry</i> , 1996, 271, 2199-2205.          | 3.4  | 146       |

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|----|---|-----|-----------|
| 37 | No Ligand Binding in the GB2 Subunit of the GABA <sub>B</sub> Receptor Is Required for Activation and Allosteric Interaction between the Subunits. <i>Journal of Neuroscience</i> , 2002, 22, 7352-7361.  | 3.6 | 146       |
| 38 | Activation mechanism of the heterodimeric GABAB receptor. <i>Biochemical Pharmacology</i> , 2004, 68, 1565-1572.  | 4.4 | 144       |
| 39 | Allosteric modulators of group I metabotropic glutamate receptors: novel subtype-selective ligands and therapeutic perspectives. <i>Current Opinion in Pharmacology</i> , 2002, 2, 43-49.   | 3.5 | 142       |
| 40 | New perspectives for the development of selective metabotropic glutamate receptor ligands. <i>European Journal of Pharmacology</i> , 1999, 375, 277-294.  | 3.5 | 139       |
| 41 | Ca <sup>2+</sup> Requirement for High-Affinity <sup>3</sup> H-Aminobutyric Acid (GABA) Binding at GABA <sub>B</sub> Receptors: Involvement of Serine 269 of the GABA <sub>B</sub> R1 Subunit. <i>Molecular Pharmacology</i> , 2000, 57, 419-426.                | 2.3 | 137       |
| 42 | Homer-Dependent Cell Surface Expression of Metabotropic Glutamate Receptor Type 5 in Neurons. <i>Molecular and Cellular Neurosciences</i> , 2002, 20, 323-329.  | 2.2 | 137       |
| 43 | Asymmetric conformational changes in a GPCR dimer controlled by G-proteins. <i>EMBO Journal</i> , 2006, 25, 5693-5702.  | 7.8 | 133       |
| 44 | Get receptive to metabotropic glutamate receptors. <i>Current Opinion in Neurobiology</i> , 1995, 5, 342-349.   | 4.2 | 125       |
| 45 | Crosstalk between GABAB and mGlu1a receptors reveals new insight into GPCR signal integration. <i>EMBO Journal</i> , 2009, 28, 2195-2208.   | 7.8 | 124       |
| 46 | Mapping the Agonist-binding Site of GABAB Type 1 Subunit Sheds Light on the Activation Process of GABAB Receptors. <i>Journal of Biological Chemistry</i> , 2000, 275, 41166-41174.   | 3.4 | 120       |
| 47 | Closure of the Venus flytrap module of mGlu8 receptor and the activation process: Insights from mutations converting antagonists into agonists. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 11097-11102. | 7.1 | 120       |
| 48 | Cell surface detection of membrane protein interaction with homogeneous time-resolved fluorescence resonance energy transfer technology. <i>Analytical Biochemistry</i> , 2004, 329, 253-262.   | 2.4 | 118       |
| 49 | d-myo-Inositol 1-phosphate as a surrogate of d-myo-inositol 1,4,5-tris phosphate to monitor G protein-coupled receptor activation. <i>Analytical Biochemistry</i> , 2006, 358, 126-135.   | 2.4 | 117       |
| 50 | Endogenous Amino Acid Release from Cultured Cerebellar Neuronal Cells: Effect of Tetanus Toxin on Glutamate Release. <i>Journal of Neurochemistry</i> , 1989, 52, 1229-1239.  | 3.9 | 114       |
| 51 | Asymmetric Functioning of Dimeric Metabotropic Glutamate Receptors Disclosed by Positive Allosteric Modulators. <i>Journal of Biological Chemistry</i> , 2005, 280, 24380-24385.  | 3.4 | 114       |
| 52 | Cloning and Functional Expression of a <i>Drosophila</i> Metabotropic Glutamate Receptor Expressed in the Embryonic CNS. <i>Journal of Neuroscience</i> , 1996, 16, 6687-6694.  | 3.6 | 111       |
| 53 | A model for the functioning of family 3 GPCRs. <i>Trends in Pharmacological Sciences</i> , 2002, 23, 268-274.   | 8.7 | 109       |
| 54 | Probing the Existence of G Protein-Coupled Receptor Dimers by Positive and Negative Ligand-Dependent Cooperative Binding. <i>Molecular Pharmacology</i> , 2006, 70, 1783-1791.  | 2.3 | 107       |

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|----|--|------|-----------|
| 55 | Electrophysiological and behavioral evidence that modulation of metabotropic glutamate receptor 4 with a new agonist reverses experimental parkinsonism. <i>FASEB Journal</i> , 2009, 23, 3619-3628.   | 0.5  | 106       |
| 56 | Illuminating the activation mechanisms and allosteric properties of metabotropic glutamate receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1416-25.  | 7.1  | 103       |
| 57 | Group III metabotropic glutamate receptors inhibit hyperalgesia in animal models of inflammation and neuropathic pain. <i>Pain</i> , 2008, 137, 112-124.   | 4.2  | 96        |
| 58 | Functional crosstalk between GPCRs: with or without oligomerization. <i>Current Opinion in Pharmacology</i> , 2010, 10, 6-13.  | 3.5  | 95        |
| 59 | The Intracellular Loops of the GB2 Subunit Are Crucial for G-Protein Coupling of the Heteromeric $\beta$ -Aminobutyrate B Receptor. <i>Molecular Pharmacology</i> , 2002, 62, 343-350.   | 2.3  | 93        |
| 60 | Activation of a Dimeric Metabotropic Glutamate Receptor by Intersubunit Rearrangement. <i>Journal of Biological Chemistry</i> , 2007, 282, 33000-33008.  | 3.4  | 92        |
| 61 | Structural basis of the activation of a metabotropic GABA receptor. <i>Nature</i> , 2020, 584, 298-303.  | 27.8 | 92        |
| 62 | <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. <i>Molecular Pharmacology</i> , 2008, 73, 909-918. | 2.3  | 91        |
| 63 | GABA <sub>B</sub> Receptor Activation Protects Neurons from Apoptosis via IGF-1 Receptor Transactivation. <i>Journal of Neuroscience</i> , 2010, 30, 749-759.  | 3.6  | 90        |
| 64 | Fine tuning of sub-millisecond conformational dynamics controls metabotropic glutamate receptors agonist efficacy. <i>Nature Communications</i> , 2014, 5, 5206.   | 12.8 | 89        |
| 65 | The Metabotropic Glutamate Receptor mGluR5 Is Endocytosed by a Clathrin-independent Pathway. <i>Journal of Biological Chemistry</i> , 2003, 278, 12222-12230.  | 3.4  | 87        |
| 66 | Real-Time Analysis of Agonist-Induced Activation of Protease-Activated Receptor 1/G $\beta$ 15 Protein Complex Measured by Bioluminescence Resonance Energy Transfer in Living Cells. <i>Molecular Pharmacology</i> , 2007, 71, 1329-1340.                                     | 2.3  | 86        |
| 67 | A novel selective metabotropic glutamate receptor 4 agonist reveals new possibilities for developing subtype selective ligands with therapeutic potential. <i>FASEB Journal</i> , 2012, 26, 1682-1693.   | 0.5  | 85        |
| 68 | A single olfactory receptor specifically binds a set of odorant molecules. <i>European Journal of Neuroscience</i> , 2002, 15, 409-418.  | 2.6  | 84        |
| 69 | The oligomeric state sets GABA <sub>B</sub> receptor signalling efficacy. <i>EMBO Journal</i> , 2011, 30, 2336-2349.   | 7.8  | 84        |
| 70 | Locking the Dimeric GABA <sub>B</sub> G-Protein-Coupled Receptor in Its Active State. <i>Journal of Neuroscience</i> , 2004, 24, 370-377.  | 3.6  | 82        |
| 71 | Sequential Inter- and Intrasubunit Rearrangements During Activation of Dimeric Metabotropic Glutamate Receptor 1. <i>Science Signaling</i> , 2012, 5, ra59.  | 3.6  | 82        |
| 72 | Synthesis and biological evaluation of 2-(3- $\epsilon$ -(1 <i>H</i> -tetrazol-5-yl)bicyclo[1.1.1]pent-1-yl)glycine (S-TBPG), a novel mGlu1 receptor antagonist. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 221-227.   | 3.0  | 81        |

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|----|--|-----|-----------|
| 73 | Interaction of Novel Positive Allosteric Modulators of Metabotropic Glutamate Receptor 5 with the Negative Allosteric Antagonist Site Is Required for Potentiation of Receptor Responses. <i>Molecular Pharmacology</i> , 2007, 71, 1389-1398. | 2.3 | 81        |
| 74 | An unusual receptor tyrosine kinase of <i>Schistosoma mansoni</i> contains a Venus Flytrap module. <i>Molecular and Biochemical Parasitology</i> , 2003, 126, 51-62.   | 1.1 | 80        |
| 75 | The complexity of their activation mechanism opens new possibilities for the modulation of mGlu and GABAB class C G protein-coupled receptors. <i>Neuropharmacology</i> , 2011, 60, 82-92.   | 4.1 | 80        |
| 76 | Alternative splicing generates a novel isoform of the rat metabotropic GABA <sub>B</sub> R1 receptor. <i>European Journal of Neuroscience</i> , 1999, 11, 2874-2882.   | 2.6 | 78        |
| 77 | Interdomain movements in metabotropic glutamate receptor activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15480-15485.  | 7.1 | 77        |
| 78 | Allosteric Modulators of GABAB Receptors: Mechanism of Action and Therapeutic Perspective. <i>Current Neuropharmacology</i> , 2007, 5, 195-201.  | 2.9 | 76        |
| 79 | The G Protein-Coupling Profile of Metabotropic Glutamate Receptors, as Determined with Exogenous G Proteins, Is Independent of Their Ligand Recognition Domain. <i>Molecular Pharmacology</i> , 1998, 53, 778-786.                             | 2.3 | 74        |
| 80 | GPCR-OKB: the G Protein Coupled Receptor Oligomer Knowledge Base. <i>Bioinformatics</i> , 2010, 26, 1804-1805.   | 4.1 | 74        |
| 81 | Molecular Determinants Involved in the Allosteric Control of Agonist Affinity in the GABAB Receptor by the GABAB2 Subunit. <i>Journal of Biological Chemistry</i> , 2004, 279, 15824-15830.  | 3.4 | 72        |
| 82 | Assembly-dependent Surface Targeting of the Heterodimeric GABAB Receptor Is Controlled by COPI but Not 14-3-3. <i>Molecular Biology of the Cell</i> , 2005, 16, 5572-5578.   | 2.1 | 72        |
| 83 | <i>Trans</i> -activation between 7TM domains: implication in heterodimeric GABA <sub>B</sub> receptor activation. <i>EMBO Journal</i> , 2011, 30, 32-42.   | 7.8 | 72        |
| 84 | Coupling of Agonist Binding to Effector Domain Activation in Metabotropic Glutamate-like Receptors. <i>Journal of Biological Chemistry</i> , 2006, 281, 24653-24661.   | 3.4 | 71        |
| 85 | Common and Selective Molecular Determinants Involved in Metabotropic Glutamate Receptor Agonist Activity. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3171-3183.   | 6.4 | 69        |
| 86 | Functioning of the dimeric GABAB receptor extracellular domain revealed by glycan wedge scanning. <i>EMBO Journal</i> , 2008, 27, 1321-1332.   | 7.8 | 69        |
| 87 | The asymmetric/symmetric activation of GPCR dimers as a possible mechanistic rationale for multiple signalling pathways. <i>Trends in Pharmacological Sciences</i> , 2010, 31, 15-21.  | 8.7 | 69        |
| 88 | G Protein Activation by Serotonin Type 4 Receptor Dimers. <i>Journal of Biological Chemistry</i> , 2011, 286, 9985-9997.   | 3.4 | 69        |
| 89 | A Cluster of Basic Residues in the Carboxyl-terminal Tail of the Short Metabotropic Glutamate Receptor 1 Variants Impairs Their Coupling to Phospholipase C. <i>Journal of Biological Chemistry</i> , 1998, 273, 425-432.                      | 3.4 | 68        |
| 90 | OptoGluNAM4.1, a Photoswitchable Allosteric Antagonist for Real-Time Control of mGlu 4 Receptor Activity. <i>Cell Chemical Biology</i> , 2016, 23, 929-934.  | 5.2 | 68        |

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|-----|--|------|-----------|
| 91  | Inhibition of Heterotrimeric G Protein Signaling by a Small Molecule Acting on G $\beta\gamma$ Subunit. <i>Journal of Biological Chemistry</i> , 2009, 284, 29136-29145.   | 3.4  | 67        |
| 92  | BRET and Time-resolved FRET strategy to study GPCR oligomerization: from cell lines toward native tissues. <i>Frontiers in Endocrinology</i> , 2012, 3, 92.  | 3.5  | 67        |
| 93  | A Virtual Screening Hit Reveals New Possibilities for Developing Group III Metabotropic Glutamate Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2797-2813.  | 6.4  | 66        |
| 94  | Allosteric nanobodies uncover a role of hippocampal mGlu2 receptor homodimers in contextual fear consolidation. <i>Nature Communications</i> , 2017, 8, 1967.  | 12.8 | 66        |
| 95  | Structures of human mGlu2 and mGlu7 homo- and heterodimers. <i>Nature</i> , 2021, 594, 589-593.  | 27.8 | 66        |
| 96  | mGluR7-like metabotropic glutamate receptors inhibit NMDA-mediated excitotoxicity in cultured mouse cerebellar granule neurons. <i>European Journal of Neuroscience</i> , 1999, 11, 663-672.   | 2.6  | 65        |
| 97  | Metabotropic glutamate receptor subtype 4 selectively modulates both glutamate and GABA transmission in the striatum: implications for Parkinson's disease treatment. <i>Journal of Neurochemistry</i> , 2009, 109, 1096-1105.         | 3.9  | 65        |
| 98  | G Protein-Coupled Receptor Multimers: A Question Still Open Despite the Use of Novel Approaches. <i>Molecular Pharmacology</i> , 2015, 88, 561-571.  | 2.3  | 64        |
| 99  | Three-dimensional model of the extracellular domain of the type 4a metabotropic glutamate receptor: New insights into the activation process. <i>Protein Science</i> , 2000, 9, 2200-2209.   | 7.6  | 63        |
| 100 | Common Structural Requirements for Heptahelical Domain Function in Class A and Class C G Protein-coupled Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 12154-12163.   | 3.4  | 63        |
| 101 | Pharmacological evidence for a metabotropic glutamate receptor heterodimer in neuronal cells. <i>ELife</i> , 2017, 6, .  | 6.0  | 63        |
| 102 | Differential association modes of the thrombin receptor PAR <sub>1</sub> with G $\beta\gamma$ 11, G $\beta\gamma$ 12, and $\beta$ 2-arrestin 1. <i>FASEB Journal</i> , 2010, 24, 3522-3535.  | 0.5  | 62        |
| 103 | Structure and functional interaction of the extracellular domain of human GABAB receptor GBR2. <i>Nature Neuroscience</i> , 2012, 15, 970-978.   | 14.8 | 61        |
| 104 | Cerebellar granule cell survival and maturation induced by K <sup>+</sup> and NMDA correlate with c-fos proto-oncogene expression. <i>Neuroscience Letters</i> , 1989, 107, 55-62.   | 2.1  | 60        |
| 105 | (+)-2-Amino-4-thiophosphonobutyric Acid (thioAP4), a New Potent Agonist of Group III Metabotropic Glutamate Receptors: Increased Distal Acidity Affords Enhanced Potency. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4656-4664. | 6.4  | 60        |
| 106 | A simple method to transfer plasmid DNA into neuronal primary cultures: functional expression of the mGlu5 receptor in cerebellar granule cells. <i>Neuropharmacology</i> , 1999, 38, 793-803.   | 4.1  | 59        |
| 107 | Illuminating Phenylazopyridines To Photoswitch Metabotropic Glutamate Receptors: From the Flask to the Animals. <i>ACS Central Science</i> , 2017, 3, 81-91.   | 11.3 | 58        |
| 108 | Dynamics and modulation of metabotropic glutamate receptors. <i>Current Opinion in Pharmacology</i> , 2015, 20, 95-101.  | 3.5  | 57        |

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|-----|---|------|-----------|
| 109 | Agonist Selectivity of mGluR1 and mGluR2 Metabotropic Receptors: A Different Environment but Similar Recognition of an Extended Glutamate Conformation. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1546-1555.                              | 6.4  | 56        |
| 110 | Release of Endogenous Amino Acids from Striatal Neurons in Primary Culture. <i>Journal of Neurochemistry</i> , 1986, 47, 594-603.   | 3.9  | 56        |
| 111 | Dominant role of GABAB2 and G $\beta$ 3 for GABAB receptor-mediated-ERK1/2/CREB pathway in cerebellar neurons. <i>Cellular Signalling</i> , 2007, 19, 1996-2002.  | 3.6  | 56        |
| 112 | RglA4 Potently Blocks Mouse $\alpha$ 10 nAChRs and Provides Long Lasting Protection against Oxaliplatin-Induced Cold Allodynia. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 219.  | 3.7  | 56        |
| 113 | Extreme C Terminus of G Protein $\beta$ -Subunits Contains a Site That Discriminates between Gi-coupled Metabotropic Glutamate Receptors. <i>Journal of Biological Chemistry</i> , 1998, 273, 25765-25769.  | 3.4  | 55        |
| 114 | The Metabotropic Glutamate Receptor mGlu7 Activates Phospholipase C, Translocates Munc-13-1 Protein, and Potentiates Glutamate Release at Cerebrocortical Nerve Terminals. <i>Journal of Biological Chemistry</i> , 2010, 285, 17907-17917.       | 3.4  | 55        |
| 115 | Untangling dopamine-adenosine receptor assembly in experimental parkinsonism. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 57-63.  | 2.4  | 55        |
| 116 | Overlapping binding sites drive allosteric agonism and positive cooperativity in type 4 metabotropic glutamate receptors. <i>FASEB Journal</i> , 2015, 29, 116-130.   | 0.5  | 54        |
| 117 | G $\alpha$ protein-coupled receptor oligomers: two or more for what? Lessons from mGlu and GABA <sub>B</sub> receptors. <i>Journal of Physiology</i> , 2009, 587, 5337-5344.  | 2.9  | 53        |
| 118 | Aminobicyclo[2.2.1.]heptane dicarboxylic acids (ABHD), rigid analogs of ACPD and glutamic acid: synthesis and pharmacological activity on metabotropic receptors mGluR1 and mGluR2. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 195-208. | 3.0  | 52        |
| 119 | A New Family of Receptor Tyrosine Kinases with a Venus Flytrap Binding Domain in Insects and Other Invertebrates Activated by Aminoacids. <i>PLoS ONE</i> , 2009, 4, e5651.   | 2.5  | 52        |
| 120 | Alleviating Pain Hypersensitivity through Activation of Type 4 Metabotropic Glutamate Receptor. <i>Journal of Neuroscience</i> , 2013, 33, 18951-18965.   | 3.6  | 52        |
| 121 | HTS-compatible FRET-based conformational sensors clarify membrane receptor activation. <i>Nature Chemical Biology</i> , 2017, 13, 372-380.  | 8.0  | 52        |
| 122 | NMDA- and kainate-evoked GABA release from striatal neurones differentiated in primary culture: Differential blocking by phencyclidine. <i>Neuroscience Letters</i> , 1988, 87, 87-92.  | 2.1  | 51        |
| 123 | Structural basis of GABAB receptor-Gi protein coupling. <i>Nature</i> , 2021, 594, 594-598.   | 27.8 | 50        |
| 124 | Complex interaction between quisqualate and kainate receptors as revealed by measurement of GABA release from striatal neurons in primary culture. <i>European Journal of Pharmacology</i> , 1989, 172, 81-91.                                    | 2.6  | 49        |
| 125 | Synthesis and Biological Evaluation of 1-Amino-2-Phosphonomethylcyclopropanecarboxylic Acids, New Group III Metabotropic Glutamate Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3585-3595.                                | 6.4  | 49        |
| 126 | Optical control of pain in vivo with a photoactive mGlu5 receptor negative allosteric modulator. <i>ELife</i> , 2017, 6, .  | 6.0  | 48        |

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|-----|--|------|-----------|
| 127 | Allosteric control of an asymmetric transduction in a G protein-coupled receptor heterodimer. <i>ELife</i> , 2017, 6, .  | 6.0  | 48        |
| 128 | Synthesis and preliminary evaluation of (S)-2-(4- <sup>2</sup> -carboxycubyl)glycine, a new selective mGluR1 antagonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 1569-1574.                                     | 2.2  | 47        |
| 129 | Conservation of the ligand recognition site of metabotropic glutamate receptors during evolution. <i>Neuropharmacology</i> , 2000, 39, 1119-1131.  | 4.1  | 47        |
| 130 | The chemokine CXC4 and CC2 receptors form homo- and heterooligomers that can engage their signaling G-protein effectors and $\beta$ 2-arrestin. <i>FASEB Journal</i> , 2014, 28, 4509-4523.  | 0.5  | 47        |
| 131 | Inhibition of neuronal FLT3 receptor tyrosine kinase alleviates peripheral neuropathic pain in mice. <i>Nature Communications</i> , 2018, 9, 1042.   | 12.8 | 47        |
| 132 | Positive Allosteric Modulators for $\beta$ -Aminobutyric Acid <sub>B</sub> Receptors Open New Routes for the Development of Drugs Targeting Family 3 G-Protein-Coupled Receptors. <i>Molecular Pharmacology</i> , 2001, 60, 881-884. | 2.3  | 44        |
| 133 | A specific quisqualate agonist inhibits kainate responses induced in <i>Xenopus</i> oocytes injected with rat brain RNA. <i>Neuroscience Letters</i> , 1989, 99, 333-339.  | 2.1  | 43        |
| 134 | Effect of Glutamate and Ionomycin on the Release of Arachidonic Acid, Prostaglandins and HETEs from Cultured Neurons and Astrocytes. <i>European Journal of Neuroscience</i> , 1991, 3, 928-939.                                     | 2.6  | 43        |
| 135 | A Novel Site on the $\text{G}\beta$ -protein That Recognizes Heptahelical Receptors. <i>Journal of Biological Chemistry</i> , 2001, 276, 3262-3269.  | 3.4  | 43        |
| 136 | Divergent Evolution in Metabotropic Glutamate Receptors. <i>Journal of Biological Chemistry</i> , 2004, 279, 9313-9320.  | 3.4  | 43        |
| 137 | Requirements and ontology for a G protein-coupled receptor oligomerization knowledge base. <i>BMC Bioinformatics</i> , 2007, 8, 177.   | 2.6  | 42        |
| 138 | G Protein Activation by the Leukotriene B4 Receptor Dimer. <i>Journal of Biological Chemistry</i> , 2008, 283, 21084-21092.  | 3.4  | 42        |
| 139 | Complex GABAB receptor complexes: how to generate multiple functionally distinct units from a single receptor. <i>Frontiers in Pharmacology</i> , 2014, 5, 12.   | 3.5  | 42        |
| 140 | Multicolor time-resolved Förster resonance energy transfer microscopy reveals the impact of GPCR oligomerization on internalization processes. <i>FASEB Journal</i> , 2015, 29, 2235-2246.   | 0.5  | 41        |
| 141 | Rearrangement of the transmembrane domain interfaces associated with the activation of a GPCR hetero-oligomer. <i>Nature Communications</i> , 2019, 10, 2765.  | 12.8 | 40        |
| 142 | $\beta$ -Conotoxin GVIA and dihydropyridines discriminate two types of $\text{Ca}^{2+}$ channels involved in GABA release from striatal neurons in culture. <i>European Journal of Pharmacology</i> , 1990, 188, 81-84.              | 2.6  | 39        |
| 143 | Extended glutamate activates metabotropic receptor types 1, 2 and 4: selective features at mGluR4 binding site. <i>Neuropharmacology</i> , 1999, 38, 1543-1551.  | 4.1  | 39        |
| 144 | Time-Resolved FRET Binding Assay to Investigate Hetero-Oligomer Binding Properties: Proof of Concept with Dopamine D <sub>1</sub> /D <sub>3</sub> Heterodimer. <i>ACS Chemical Biology</i> , 2015, 10, 466-474.                      | 3.4  | 39        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 145 | Class C G protein-coupled receptors: reviving old couples with new partners. <i>Biophysics Reports</i> , 2017, 3, 57-63.   | 0.8  | 38        |
| 146 | NMDA receptor activation stimulates phospholipase A2 and somatostatin release from rat cortical neurons in primary cultures. <i>European Journal of Pharmacology</i> , 1992, 225, 253-262.   | 2.6  | 37        |
| 147 | Biased signaling through G-protein-coupled PROKR2 receptors harboring missense mutations. <i>FASEB Journal</i> , 2014, 28, 3734-3744.  | 0.5  | 37        |
| 148 | Allosteric modulation of metabotropic glutamate receptors by chloride ions. <i>FASEB Journal</i> , 2015, 29, 4174-4188.  | 0.5  | 37        |
| 149 | Illuminating the allosteric modulation of the calcium-sensing receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21711-21722.   | 7.1  | 37        |
| 150 | Identification and characterization of Hedgehog modulator properties after functional coupling of Smoothed to G15. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 471-479.  | 2.1  | 36        |
| 151 | The Second Intracellular Loop of Metabotropic Glutamate Receptors Recognizes C Termini of G-protein $\beta$ -Subunits. <i>Journal of Biological Chemistry</i> , 2003, 278, 35063-35070.  | 3.4  | 35        |
| 152 | Chloride transport blockers inhibit the chloride-dependent glutamate binding to rat brain membranes. <i>Neuroscience Letters</i> , 1987, 74, 211-216.  | 2.1  | 34        |
| 153 | Allosteric modulators enhance agonist efficacy by increasing the residence time of a GPCR in the active state. <i>Nature Communications</i> , 2021, 12, 5426.  | 12.8 | 34        |
| 154 | Up-regulation of GABAB Receptor Signaling by Constitutive Assembly with the K <sup>+</sup> Channel Tetramerization Domain-containing Protein 12 (KCTD12). <i>Journal of Biological Chemistry</i> , 2013, 288, 24848-24856.   | 3.4  | 33        |
| 155 | Stability of GABA <sub>B</sub> receptor oligomers revealed by dual TR-FRET and drug-induced cell surface targeting. <i>FASEB Journal</i> , 2012, 26, 3430-3439.  | 0.5  | 32        |
| 156 | Oligomerization of a G protein-coupled receptor in neurons controlled by its structural dynamics. <i>Scientific Reports</i> , 2018, 8, 10414.  | 3.3  | 32        |
| 157 | Agonists and allosteric modulators promote signaling from different metabotropic glutamate receptor 5 conformations. <i>Cell Reports</i> , 2021, 36, 109648.   | 6.4  | 32        |
| 158 | D1-mGlu5 heteromers mediate noncanonical dopamine signaling in Parkinson's disease. <i>Journal of Clinical Investigation</i> , 2020, 130, 1168-1184.   | 8.2  | 32        |
| 159 | mGluR7-like receptor and GABAB receptor activation enhance neurotoxic effects of N-methyl-D-aspartate in cultured mouse striatal GABAergic neurons. <i>Neuropharmacology</i> , 1999, 38, 1631-1640.  | 4.1  | 31        |
| 160 | GPCR interaction as a possible way for allosteric control between receptors. <i>Molecular and Cellular Endocrinology</i> , 2019, 486, 89-95.   | 3.2  | 31        |
| 161 | $\beta$ -Amino- $\gamma$ -fluorocyclopropanecarboxylic acids as a new tool for drug development: Synthesis of glutamic acid analogs and agonist activity towards metabotropic glutamate receptor 4. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4716-4726. | 3.0  | 30        |
| 162 | FRET-Based Sensors Unravel Activation and Allosteric Modulation of the GABAB Receptor. <i>Cell Chemical Biology</i> , 2017, 24, 360-370.   | 5.2  | 30        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 163 | Context-Dependent Signaling of CXC Chemokine Receptor 4 and Atypical Chemokine Receptor 3. <i>Molecular Pharmacology</i> , 2019, 96, 778-793.  | 2.3 | 30        |
| 164 | The rat mGlu1d receptor splice variant shares functional properties with the other short isoforms of mGlu1 receptor. <i>European Journal of Pharmacology</i> , 1997, 335, 65-72.   | 3.5 | 29        |
| 165 | Conformational analysis of glutamic acid analogues as probes of glutamate receptors using molecular modelling and NMR methods. Comparison with specific agonists. <i>Bioorganic and Medicinal Chemistry</i> , 1997, 5, 335-352.    | 3.0 | 28        |
| 166 | Pharmacological characterization of the rat metabotropic glutamate receptor type 8a revealed strong similarities and slight differences with the type 4a receptor. <i>European Journal of Pharmacology</i> , 2000, 394, 17-26.     | 3.5 | 28        |
| 167 | Multiple voltage-sensitive calcium channels are probably involved in endogenous GABA release from striatal neurones differentiated in primary culture. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1987, 336, 190-196. | 3.0 | 27        |
| 168 | Fluorescent ligands to investigate GPCR binding properties and oligomerization. <i>Biochemical Society Transactions</i> , 2013, 41, 148-153.   | 3.4 | 27        |
| 169 | Increased Potency and Selectivity for Group III Metabotropic Glutamate Receptor Agonists Binding at Dual sites. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1969-1989.   | 6.4 | 26        |
| 170 | Chloride ions stabilize the glutamate-induced active state of the metabotropic glutamate receptor 3. <i>Neuropharmacology</i> , 2018, 140, 275-286.  | 4.1 | 26        |
| 171 | First enantiospecific synthesis of a 3,4-dihydroxy- $\gamma$ -glutamic acid [(3 <i>S</i> ,4 <i>S</i> )-DHGA], a new mGluR1 agonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 129-133.                         | 2.2 | 25        |
| 172 | Among the twenty classical $\alpha$ -amino acids, only glutamate directly activates metabotropic glutamate receptors. <i>Neuropharmacology</i> , 2006, 50, 245-253.  | 4.1 | 25        |
| 173 | A critical pocket close to the glutamate binding site of mGlu receptors opens new possibilities for agonist design. <i>Neuropharmacology</i> , 2011, 60, 102-107.  | 4.1 | 25        |
| 174 | Original Fluorescent Ligand-Based Assays Open New Perspectives in G-Protein Coupled Receptor Drug Screening. <i>Pharmaceuticals</i> , 2011, 4, 202-214.  | 3.8 | 25        |
| 175 | GABAB receptor promotes its own surface expression by recruiting a Rap1-dependent signaling cascade. <i>Journal of Cell Science</i> , 2015, 128, 2302-2313.  | 2.0 | 25        |
| 176 | Identification of key phosphorylation sites in PTH1R that determine arrestin3 binding and fine-tune receptor signaling. <i>Biochemical Journal</i> , 2016, 473, 4173-4192.   | 3.7 | 25        |
| 177 | Cell-Surface Protein-Protein Interaction Analysis with Time-Resolved FRET and Snap-Tag Technologies: Application to G Protein-Coupled Receptor Oligomerization. <i>Methods in Molecular Biology</i> , 2011, 756, 201-214.          | 0.9 | 25        |
| 178 | Modeling the Binding and Function of Metabotropic Glutamate Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 443-456.  | 2.5 | 24        |
| 179 | The presence of non-neuronal cells influences somatostatin release from cultured cerebral cortical cells. <i>Developmental Brain Research</i> , 1988, 40, 89-97.   | 1.7 | 22        |
| 180 | 35 mM $K^+$ -stimulated $^{45}Ca^{2+}$ uptake in cerebellar granule cell cultures mainly results from NMDA receptor activation. <i>European Journal of Pharmacology</i> , 1993, 244, 57-65.  | 2.6 | 22        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 181 | Surface expression of metabotropic glutamate receptor variants mGluR1a and mGluR1b in transfected HEK293 cells. <i>Neuropharmacology</i> , 2008, 55, 409-418.   | 4.1  | 22        |
| 182 | Receptor-G Protein Interaction Studied by Bioluminescence Resonance Energy Transfer: Lessons from Protease-Activated Receptor 1. <i>Frontiers in Endocrinology</i> , 2012, 3, 82.                       | 3.5  | 22        |
| 183 | Time Resolved FRET Strategy with Fluorescent Ligands to Analyze Receptor Interactions in Native Tissues: Application to GPCR Oligomerization. <i>Methods in Molecular Biology</i> , 2011, 746, 373-387. | 0.9  | 22        |
| 184 | Interaction of Protease-Activated Receptor 2 with G Proteins and $\beta$ -Arrestin 1 Studied by Bioluminescence Resonance Energy Transfer. <i>Frontiers in Endocrinology</i> , 2013, 4, 196.            | 3.5  | 21        |
| 185 | Maitotoxin-Evoked $\gamma$ -Aminobutyric Acid Release Is Due Not Only to the Opening of Calcium Channels. <i>Journal of Neurochemistry</i> , 1988, 50, 1227-1232.                                       | 3.9  | 20        |
| 186 | Plasticity of NMDA Receptor Expression During Mouse Cerebellar Granule Cell Development. <i>European Journal of Neuroscience</i> , 1994, 6, 1536-1543.  | 2.6  | 20        |
| 187 | A negative allosteric modulator modulates GABAB-receptor signalling through GB2 subunits. <i>Biochemical Journal</i> , 2016, 473, 779-787.  | 3.7  | 19        |
| 188 | Antibodies targeting G protein-coupled receptors: Recent advances and therapeutic challenges. <i>MAbs</i> , 2017, 9, 735-741.   | 5.2  | 19        |
| 189 | Nanobody-based sensors reveal a high proportion of mGlu heterodimers in the brain. <i>Nature Chemical Biology</i> , 2022, 18, 894-903.  | 8.0  | 19        |
| 190 | Direct coupling of detergent purified human mGlu5 receptor to the heterotrimeric G proteins Gq and Gs. <i>Scientific Reports</i> , 2018, 8, 4407.   | 3.3  | 18        |
| 191 | Shining Light on an mGlu5 Photoswitchable NAM: A Theoretical Perspective. <i>Current Neuropharmacology</i> , 2016, 14, 441-454.   | 2.9  | 18        |
| 192 | Allosteric modulators of class-C G-protein-coupled receptors open new possibilities for therapeutic application. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2004, 1, 125-133.                | 0.5  | 16        |
| 193 | Homogeneous Time-Resolved Fluorescence-Based Assay to Monitor Extracellular Signal-Regulated Kinase Signaling in a High-Throughput Format. <i>Frontiers in Endocrinology</i> , 2014, 5, 94.             | 3.5  | 16        |
| 194 | Structural basis of the activation of metabotropic glutamate receptor 3. <i>Cell Research</i> , 2022, 32, 695-698.  | 12.0 | 16        |
| 195 | Amino-Pyrrolidine Tricarboxylic Acids Give New Insight into Group III Metabotropic Glutamate Receptor Activation Mechanism. <i>Molecular Pharmacology</i> , 2007, 71, 704-712.                          | 2.3  | 15        |
| 196 | Time-Resolved FRET Strategy to Screen GPCR Ligand Library. <i>Methods in Molecular Biology</i> , 2015, 1272, 23-36.   | 0.9  | 15        |
| 197 | Synthesis of conformationally-constrained stereospecific analogs of glutamic acid as antagonists of metabotropic receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 2627-2632.     | 2.2  | 14        |
| 198 | The two faces of glutamate. <i>Nature</i> , 1998, 394, 19-20.   | 27.8 | 14        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 199 | New 4-Functionalized Glutamate Analogues Are Selective Agonists at Metabotropic Glutamate Receptor Subtype 2 or Selective Agonists at Metabotropic Glutamate Receptor Group III. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 914-924.                                       | 6.4 | 14        |
| 200 | Analysis of positive and negative allosteric modulation in metabotropic glutamate receptors 4 and 5 with a dual ligand. <i>Scientific Reports</i> , 2017, 7, 4944.  | 3.3 | 14        |
| 201 | Allosteric interactions between GABAB1 subunits control orthosteric binding sites occupancy within GABAB oligomers. <i>Neuropharmacology</i> , 2018, 136, 92-101.   | 4.1 | 14        |
| 202 | G protein-coupled receptors can control the Hippo/YAP pathway through Gq signaling. <i>FASEB Journal</i> , 2021, 35, e21668.  | 0.5 | 14        |
| 203 | Allosteric ligands control the activation of a class C GPCR heterodimer by acting at the transmembrane interface. <i>ELife</i> , 2021, 10, .  | 6.0 | 14        |
| 204 | From the Promiscuous Asenapine to Potent Fluorescent Ligands Acting at a Series of Aminergic G-Protein-Coupled Receptors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 174-188.  | 6.4 | 13        |
| 205 | Phospholipase A2 and Somatostatin Release are Activated in Response to N-Methyl-D-Aspartate Receptor Stimulation in Hypothalamic Neurons in Primary Culture. <i>Journal of Neuroendocrinology</i> , 1991, 3, 515-522.   | 2.6 | 11        |
| 206 | New probes of the agonist binding site of metabotropic glutamate receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 1569-1572.  | 2.2 | 11        |
| 207 | Nonclassical Ligand-Independent Regulation of G <sub>o</sub> Protein by an Orphan Class C G-Protein-Coupled Receptor. <i>Molecular Pharmacology</i> , 2019, 96, 233-246.  | 2.3 | 11        |
| 208 | A nanobody activating metabotropic glutamate receptor 4 discriminates between homo- and heterodimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .   | 7.1 | 11        |
| 209 | The GABA <sub>B</sub> receptor mediates neuroprotection by coupling to G <sub>13</sub> . <i>Science Signaling</i> , 2021, 14, eaaz4112.   | 3.6 | 11        |
| 210 | On concanavalin A-treated striatal neurons quisqualate clearly behaves as a partial agonist of a receptor fully activated by kainate. <i>European Journal of Pharmacology</i> , 1990, 189, 241-251.   | 2.6 | 10        |
| 211 | Integrated Synthetic, Pharmacological, and Computational Investigation of <i>cis</i> -3,5-Dichlorophenylcarbamoyl)cyclohexanecarboxylic Acid Enantiomers As Positive Allosteric Modulators of Metabotropic Glutamate Receptor Subtype...4. <i>ChemMedChem</i> , 2011, 6, 131-140. | 3.2 | 9         |
| 212 | Metabotropic glutamate receptor orthosteric ligands and their binding sites. <i>Neuropharmacology</i> , 2022, 204, 108886.  | 4.1 | 9         |
| 213 | Time-Resolved Förster Resonance Energy Transfer-Based Technologies to Investigate G Protein-Coupled Receptor Machinery. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 113, 275-312.  | 1.7 | 8         |
| 214 | Synthesis and studies on the mGluR agonist activity of FAP4 stereoisomers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2523-2526.   | 2.2 | 8         |
| 215 | Class A Orphans (version 2019.5) in the IUPHAR/BPS Guide to Pharmacology Database. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2019, 2019, .   | 0.2 | 8         |
| 216 | Class A Orphans (version 2020.5) in the IUPHAR/BPS Guide to Pharmacology Database. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2020, 2020, .   | 0.2 | 7         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 217 | Determination of the absolute configuration of phosphinic analogues of glutamate. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1106-1112.   | 2.8  | 6         |
| 218 | Profiling of orthosteric and allosteric group-III metabotropic glutamate receptor ligands on various G protein-coupled receptors with Tag-lite <sup>®</sup> assays. <i>Neuropharmacology</i> , 2018, 140, 233-245. | 4.1  | 6         |
| 219 | GABAB1e promotes the malignancy of human cancer cells by targeting the tyrosine phosphatase PTPN12. <i>IScience</i> , 2021, 24, 103311.  | 4.1  | 6         |
| 220 | Chronic sodium bromide treatment relieves autistic-like behavioral deficits in three mouse models of autism. <i>Neuropsychopharmacology</i> , 2022, 47, 1680-1692.   | 5.4  | 6         |
| 221 | Control of constitutive activity of metabotropic glutamate receptors by Homer proteins. <i>International Congress Series</i> , 2003, 1249, 245-251.  | 0.2  | 5         |
| 222 | SGIP1 modulates kinetics and interactions of the cannabinoid receptor 1 and G protein-coupled receptor kinase 3 signalosome. <i>Journal of Neurochemistry</i> , 2021, , .  | 3.9  | 5         |
| 223 | Structural basis for distinct quality control mechanisms of GABA <sub>B</sub> receptor during evolution. <i>FASEB Journal</i> , 2020, 34, 16348-16363.   | 0.5  | 4         |
| 224 | Time-Resolved FRET-Based Assays to Characterize G Protein-Coupled Receptor Hetero-oligomer Pharmacology. <i>Methods in Molecular Biology</i> , 2019, 1947, 151-168.  | 0.9  | 3         |
| 225 | Class A Orphans in GtoPdb v.2021.3. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2021, 2021, .   | 0.2  | 3         |
| 226 | Intracellular Messengers Associated with Excitatory Amino Acid (EAA) Receptors. <i>Advances in Experimental Medicine and Biology</i> , 1990, 268, 79-91.   | 1.6  | 3         |
| 227 | HTRF <sup>®</sup> Total and Phospho-YAP (Ser127) Cellular Assays. <i>Methods in Molecular Biology</i> , 2019, 1893, 153-166.   | 0.9  | 2         |
| 228 | Activation Mechanism and Allosteric Properties of the GABAB Receptor. , 2016, , 93-108.  |      | 2         |
| 229 | Introduction to the special issue on High Resolution Neuropharmacology. <i>Neuropharmacology</i> , 2011, 60, 1-2.  | 4.1  | 1         |
| 230 | Metabotropic Receptors for Glutamate and GABA. , 0, , .  |      | 1         |
| 231 | Tuning synaptic activity with light-controlled GPCRs. <i>Nature Neuroscience</i> , 2013, 16, 377-379.  | 14.8 | 1         |
| 232 | Exploring the Active Conformation of Cyclohexane Carboxylate Positive Allosteric Modulators of the Type-4 Metabotropic Glutamate Receptor. <i>ChemMedChem</i> , 2014, 9, 2685-2698.                                | 3.2  | 1         |
| 233 | Editorial overview: Neurosciences: Targeting glutamatergic signaling in CNS diseases: new hopes?. <i>Current Opinion in Pharmacology</i> , 2015, 20, iv-vi.  | 3.5  | 1         |
| 234 | Fluorescent-Based Strategies to Investigate G Protein-Coupled Receptors: Evolution of the Techniques to a Better Understanding. <i>Topics in Medicinal Chemistry</i> , 2017, , 217-252.                            | 0.8  | 1         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 235 | Structure, Dynamics, and Modulation of Metabotropic Glutamate Receptors. <i>Receptors</i> , 2017, , 129-147.  | 0.2 | 1         |
| 236 | Intracellular and Intercellular Messengers Produced by Metabotropic (Qp), AMPA, and NMDA Excitatory Amino Acid Receptors. , 1991, , 73-86.                                  |     | 1         |
| 237 | 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         |
| 238 | Class C receptor activation mechanisms illustrated by <sc>mGlu</sc> and GABA<sub>B</sub> receptors. A review.. <i>Flavour and Fragrance Journal</i> , 2011, 26, 218-222.    | 2.6 | 0         |
| 239 | New Fluorescent Strategies Shine Light on the Evolving Concept of GPCR Oligomerization. <i>Springer Series on Fluorescence</i> , 2012, , 389-415.                           | 0.8 | 0         |
| 240 | The metabotropic glutamate receptors. , 2015, , 269-282.  |     | 0         |
| 241 | Class C GPCRs: Metabotropic Glutamate Receptors. , 2017, , 327-356.   |     | 0         |
| 242 | Modulation of Metabotropic Glutamate Receptors by Orthosteric, Allosteric, and Light-Operated Ligands. <i>Topics in Medicinal Chemistry</i> , 2018, , 253-284.              | 0.8 | 0         |
| 243 | GABA<sub>B</sub> receptors in GtoPdb v.2021.2. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .   | 0.2 | 0         |
| 244 | Metabotropic glutamate receptors in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .   | 0.2 | 0         |
| 245 | Activation de rÃ©cepteurs par une protÃ©ine intracellulaire : un nouveau concept et un nouveau type de cible pharmacologique. <i>Medecine/Sciences</i> , 2002, 18, 151-153. | 0.2 | 0         |
| 246 | 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         |
| 247 | GABA<sub>B</sub> receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .                          | 0.2 | 0         |