

Hugues-Olivier Bertrand

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,359
citations

623574

14
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

1695
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual Screening Workflow Development Guided by the "Receiver Operating Characteristic" Curve Approach. Application to High-Throughput Docking on Metabotropic Glutamate Receptor Subtype 4. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 2534-2547.	2.9	548
2	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.	1.6	120
3	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.	0.2	85
4	Molecular Determinants of Ligand Selectivity in a Vertebrate Odorant Receptor. <i>Journal of Neuroscience</i> , 2004, 24, 10128-10137.	1.7	82
5	Amino acid recognition by Venus flytrap domains is encoded in an 8-residue motif. <i>Biopolymers</i> , 2005, 80, 357-366.	1.2	82
6	Common and Selective Molecular Determinants Involved in Metabotropic Glutamate Receptor Agonist Activity. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3171-3183.	2.9	69
7	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.	2.9	66
8	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.	3.1	63
9	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.	2.9	49
10	Allosteric modulation of metabotropic glutamate receptors by chloride ions. <i>FASEB Journal</i> , 2015, 29, 4174-4188.	0.2	37
11	High-Potency Olfactory Receptor Agonists Discovered by Virtual High-Throughput Screening: Molecular Probes for Receptor Structure and Olfactory Function. <i>Neuron</i> , 2008, 60, 767-774.	3.8	26
12	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.	2.9	26
13	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.	2.0	25
14	Amino-Pyrrolidine Tricarboxylic Acids Give New Insight into Group III Metabotropic Glutamate Receptor Activation Mechanism. <i>Molecular Pharmacology</i> , 2007, 71, 704-712.	1.0	15
15	Design and synthesis of APTCs (aminopyrrolidinetricarboxylic acids): Identification of a new group III metabotropic glutamate receptor selective agonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4856-4860.	1.0	13
16	Identification of a novel NR2B-selective NMDA receptor antagonist using a virtual screening approach. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5552-5558.	1.0	11
17	Successful Prediction of Substrate-binding Pocket in SLC17 Transporter Sialin. <i>Journal of Biological Chemistry</i> , 2012, 287, 11489-11497.	1.6	11
18	Amino Acids Bearing Aromatic or Heteroaromatic Substituents as a New Class of Ligands for the Lysosomal Sialic Acid Transporter Sialin. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8231-8249.	2.9	11

#	ARTICLE	IF	CITATIONS
19	LSP5-2157 a new inhibitor of vesicular glutamate transporters. <i>Neuropharmacology</i> , 2020, 164, 107902.	2.0	7