Hans BrÃ¤uner-Osborne

List of Publications by Year
in descending order

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221 papers	10,226 citations	41627 51 h-index	56606 87 g-index
226 all docs	226 docs citations	226 times ranked	12100 citing authors

#	Article	IF	Citations
1	Ligand-directed bias of G protein signaling at the dopamine D2 receptor. Cell Chemical Biology, 2022, 29, 226-238.e4.	2.5	14
2	Somatostatin venom analogs evolved by fish-hunting cone snails: From prey capture behavior to identifying drug leads. Science Advances, 2022, 8, eabk1410.	4.7	12
3	Molecular insights into ligand recognition and G protein coupling of the neuromodulatory orphan receptor GPR139. Cell Research, 2022, 32, 210-213.	5.7	13
4	Delineation of the GPR15 receptorâ€mediated GÎ± protein signalling profile in recombinant mammalian cells. Basic and Clinical Pharmacology and Toxicology, 2022, 131, 104-113.	1.2	4
5	The Calcium-Sensing Receptor Is Essential for Calcium and Bicarbonate Sensitivity in Human Spermatozoa. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1775-1792.	1.8	12
6	Arrestin-Dependent and -Independent Internalization of G Proteinâ€“Coupled Receptors: Methods, Mechanisms, and Implications on Cell Signaling. Molecular Pharmacology, 2021, 99, 242-255.	1.0	41
7	Positive Allosteric Modulators of Metabotropic Glutamate Receptor 5 as Tool Compounds to Study Signaling Bias. Molecular Pharmacology, 2021, 99, 328-341.	1.0	5
8	Asymmetric activation of the calcium-sensing receptor homodimer. Nature, 2021, 595, 455-459.	13.7	59
9	Mutational Landscape of the Proglucagon-Derived Peptides. Frontiers in Endocrinology, 2021, 12, 698511.	1.5	7
10	Metabotropic glutamate receptors in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	0
11	Calcium-sensing receptor in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	0
12	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	2.7	337
13	GLP-1 Val8: A Biased GLP-1R Agonist with Altered Binding Kinetics and Impaired Release of Pancreatic Hormones in Rats. ACS Pharmacology and Translational Science, 2021, 4, 296-313.	2.5	24
14	Pharmacology and function of the orphan GPR139 G proteinâ€coupled receptor. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 35-46.	1.2	17
15	G proteinâ€coupled receptor pharmacologyâ€”The next generation. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 3-4.	1.2	2
16	Enhanced agonist residence time, internalization rate and signalling of the GIP receptor variant [E354Q] facilitate receptor desensitization and longâ€term impairment of the GIP system. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 122-132.	1.2	27
17	Biased agonism of clinically approved Î¼-opioid receptor agonists and TRV130 is not controlled by binding and signaling kinetics. Neuropharmacology, 2020, 166, 107718.	2.0	61
18	Heterozygous Mutation (Q459R) in the Calcium-Sensing Receptor Gene Causes Familial Hypocalciuric Hypercalcemia 1 (FHH1). Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1322-e1330.	1.8	4

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19	Novel approaches leading towards peptide GPCR deâ€orphanisation. British Journal of Pharmacology, 2020, 177, 961-968.	2.7	30
20	Dissecting the roles of GRK2 and GRK3 in Î¼-opioid receptor internalization and Î²-arrestin2 recruitment using CRISPR/Cas9-edited HEK293 cells. Scientific Reports, 2020, 10, 17395.	1.6	33
21	Pharmacology and physiological function of the orphan GPRC6A receptor. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 77-87.	1.2	19
22	Delineation of molecular determinants for FR900359 inhibition of Gq/11 unlocks inhibition of GÎ±s. Journal of Biological Chemistry, 2020, 295, 13850-13861.	1.6	11
23	Detailed In Vitro Pharmacological Characterization of Clinically Tested Negative Allosteric Modulators of the Metabotropic Glutamate Receptor 5. Molecular Pharmacology, 2020, 98, 49-60.	1.0	12
24	International Union of Basic and Clinical Pharmacology. CVIII. Calcium-Sensing Receptor Nomenclature, Pharmacology, and Function. Pharmacological Reviews, 2020, 72, 558-604.	7.1	59
25	The selective 5-HT2A receptor agonist 25CN-NBOH: Structure-activity relationship, in vivo pharmacology, and in vitro and ex vivo binding characteristics of [3H]25CN-NBOH. Biochemical Pharmacology, 2020, 177, 113979.	2.0	15
26	Calcium-sensing receptor (version 2020.5) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2020, 2020, .	0.2	0
27	Probing the Existence of a Metastable Binding Site at the Î²₂-Adrenergic Receptor with Homobivalent Bitopic Ligands. Journal of Medicinal Chemistry, 2019, 62, 7806-7839.	2.9	9
28	Discovery of Human Signaling Systems: Pairing Peptides to G Protein-Coupled Receptors. Cell, 2019, 179, 895-908.e21.	13.5	157
29	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G proteinâ€coupled receptors. British Journal of Pharmacology, 2019, 176, S21-S141.	2.7	519
30	Metabolic and skeletal homeostasis are maintained in full locus GPRC6A knockout mice. Scientific Reports, 2019, 9, 5995.	1.6	17
31	Identification of a novel scaffold for a small molecule GPR139 receptor agonist. Scientific Reports, 2019, 9, 3802.	1.6	10
32	Label-free dynamic mass redistribution analysis of endogenous adrenergic receptor signaling in primary preadipocytes and differentiated adipocytes. Journal of Pharmacological and Toxicological Methods, 2019, 97, 59-66.	0.3	2
33	Structureâ€“Activity Relationship Studies of the Natural Product G_{q/11} Protein Inhibitor YMâ€254890. ChemMedChem, 2019, 14, 865-870.	1.6	21
34	Rational design of a heterotrimeric G protein Î± subunit with artificial inhibitor sensitivity. Journal of Biological Chemistry, 2019, 294, 5747-5758.	1.6	32
35	Calcium-Sensing Receptor Internalization Is Î²-Arrestinâ€“Dependent and Modulated by Allosteric Ligands. Molecular Pharmacology, 2019, 96, 463-474.	1.0	23
36	Calcium-sensing receptor (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	2

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37	Class C Orphans (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	2
38	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
39	Human GIP(3-30)NH2 inhibits G protein-dependent as well as G protein-independent signaling and is selective for the GIP receptor with high-affinity binding to primate but not rodent GIP receptors. Biochemical Pharmacology, 2018, 150, 97-107.	2.0	65
40	Structureâ€“activity relationship and conformational studies of the natural product cyclic depsipeptides YM-254890 and FR900359. European Journal of Medicinal Chemistry, 2018, 156, 847-860.	2.6	24
41	Structural insight to mutation effects uncover a common allosteric site in class C GPCRs. Bioinformatics, 2017, 33, 1116-1120.	1.8	9
42	Genetic Variations in the Human G Protein-coupled Receptor Class C, Group 6, Member A (GPRC6A) Control Cell Surface Expression and Function. Journal of Biological Chemistry, 2017, 292, 1524-1534.	1.6	23
43	The orphan G protein-coupled receptor GPR139 is activated by the peptides: Adrenocorticotropic hormone (ACTH), Î±-, and Î²-melanocyte stimulating hormone (Î±-MSH, and Î²-MSH), and the conserved core motif HFRW. Neurochemistry International, 2017, 102, 105-113.	1.9	36
44	Investigating the molecular mechanism of positive and negative allosteric modulators in the calcium-sensing receptor dimer. Scientific Reports, 2017, 7, 46355.	1.6	25
45	Structureâ€“Activity Relationship Studies of the Cyclic Depsipeptide Natural Product YMâ€254890, Targeting the G_q Protein. ChemMedChem, 2017, 12, 830-834.	1.6	23
46	Identification of AICP as a GluN2C-Selective N-Methyl-d-Aspartate Receptor Superagonist at the GluN1 Glycine Site. Molecular Pharmacology, 2017, 92, 151-161.	1.0	16
47	Detailed Characterization of the In Vitro Pharmacological and Pharmacokinetic Properties ofN-(2-Hydroxybenzyl)-2,5-Dimethoxy-4-Cyanophenylethylamine (25CN-NBOH), a Highly Selective and Brain-Penetrant 5-HT_{2A}Receptor Agonist. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 441-453.	1.3	45
48	The GPRC6A receptor displays constitutive internalization and sorting to the slow recycling pathway. Journal of Biological Chemistry, 2017, 292, 6910-6926.	1.6	30
49	Robust <scp>GLP</scp>â€1 secretion by basic <scp>L</scp>â€amino acids does not require the <scp>GPRC6A</scp> receptor. Diabetes, Obesity and Metabolism, 2017, 19, 599-603.	2.2	28
50	Structureâ€“Activity Relationship, Pharmacological Characterization, and Molecular Modeling of Noncompetitive Inhibitors of the Betaine/Î³-Aminobutyric Acid Transporter 1 (BGT1). Journal of Medicinal Chemistry, 2017, 60, 8834-8846.	2.9	16
51	Investigating Internalization and Intracellular Trafficking of GPCRs: New Techniques and Real-Time Experimental Approaches. Handbook of Experimental Pharmacology, 2017, 245, 41-61.	0.9	29
52	The GPR139 reference agonists 1a and 7c, and tryptophan and phenylalanine share a common binding site. Scientific Reports, 2017, 7, 1128.	1.6	25
53	Applying label-free dynamic mass redistribution assay for studying endogenous FPR1 receptor signalling in human neutrophils. Journal of Pharmacological and Toxicological Methods, 2017, 88, 72-78.	0.3	11
54	Identification of Histamine H3 Receptor Ligands Using a New Crystal Structure Fragment-based Method. Scientific Reports, 2017, 7, 4829.	1.6	10

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55	Knockin mouse with mutant GÎ±11 mimics human inherited hypocalcemia and is rescued by pharmacologic inhibitors. JCI Insight, 2017, 2, e91079.	2.3	26
56	Total synthesis and structureâ€“activity relationship studies of a series of selective G protein inhibitors. Nature Chemistry, 2016, 8, 1035-1041.	6.6	67
57	Novel Agonist Bioisosteres and Common Structure-Activity Relationships for The Orphan G Protein-Coupled Receptor GPR139. Scientific Reports, 2016, 6, 36681.	1.6	23
58	Radiosynthesis and characterisation of a potent and selective GPR139 agonist radioligand. RSC Advances, 2016, 6, 947-952.	1.7	8
59	The Concise Guide to PHARMACOLOGY 2015/16: Overview. British Journal of Pharmacology, 2015, 172, 5729-5743.	2.7	220
60	Selective Negative Allosteric Modulation Of Metabotropic Glutamate Receptors â€“ A Structural Perspective of Ligands and Mutants. Scientific Reports, 2015, 5, 13869.	1.6	38
61	Nâ€glycosylation and disulfide bonding affects GPRC6A receptor expression, function, and dimerization. FEBS Letters, 2015, 589, 588-597.	1.3	29
62	Functional Consequences of Glucagon-like Peptide-1 Receptor Cross-talk and Trafficking. Journal of Biological Chemistry, 2015, 290, 1233-1243.	1.6	63
63	Identification of the first surrogate agonists for the G protein-coupled receptor GPR132. RSC Advances, 2015, 5, 48551-48557.	1.7	8
64	Role of post-translational modifications on structure, function and pharmacology of class C G protein-coupled receptors. European Journal of Pharmacology, 2015, 763, 233-240.	1.7	29
65	A cAMP Biosensor-Based High-Throughput Screening Assay for Identification of Gs-Coupled GPCR Ligands and Phosphodiesterase Inhibitors. Journal of Biomolecular Screening, 2015, 20, 849-857.	2.6	21
66	Selective Allosteric Antagonists for the G Protein-Coupled Receptor GPRC6A Based on the 2-Phenylindole Privileged Structure Scaffold. Journal of Medicinal Chemistry, 2015, 58, 8938-8951.	2.9	22
67	Synthesis and pharmacological evaluation of N-benzyl substituted 4-bromo-2,5-dimethoxyphenethylamines as 5-HT2A/2C partial agonists. Bioorganic and Medicinal Chemistry, 2015, 23, 3933-3937.	1.4	25
68	Introduction to Special Issue in Honor of Professor Povl Krogsgaard-Larsen. Neurochemical Research, 2014, 39, 1845-1846.	1.6	0
69	G Protein-Coupled Receptor Signaling Analysis Using Homogenous Time-Resolved FÃ¶rster Resonance Energy Transfer (HTRFÂ®) Technology. International Journal of Molecular Sciences, 2014, 15, 2554-2572.	1.8	39
70	The <scp>GPCR</scp>, class <scp>C</scp>, group 6, subtype <scp>A</scp> (<scp>GPRC6A</scp>) receptor: from cloning to physiological function. British Journal of Pharmacology, 2014, 171, 1129-1141.	2.7	87
71	Real-time trafficking and signaling of the glucagon-like peptide-1 receptor. Molecular and Cellular Endocrinology, 2014, 382, 938-949.	1.6	131
72	mGluR5: Exploration of Orthosteric and Allosteric Ligand Binding Pockets and Their Applications to Drug Discovery. Neurochemical Research, 2014, 39, 1862-1875.	1.6	29

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73	Synthesis and Structureâ€“Activity Relationships of N-Benzyl Phenethylamines as 5-HT_{2A/2C} Agonists. ACS Chemical Neuroscience, 2014, 5, 243-249.	1.7	103
74	Computer-Aided Discovery of Aromatic <scp>l</scp>-Î±-Amino Acids as Agonists of the Orphan G Protein-Coupled Receptor GPR139. Journal of Chemical Information and Modeling, 2014, 54, 1553-1557.	2.5	50
75	Pharmacological Identification of a Guanidine-Containing Î²-Alanine Analogue with Low Micromolar Potency and Selectivity for the Betaine/GABA Transporter 1 (BGT1). Neurochemical Research, 2014, 39, 1988-1996.	1.6	20
76	Promiscuous Seven Transmembrane Receptors Sensing L-α-amino Acids. Current Pharmaceutical Design, 2014, 20, 2693-2702.	0.9	7
77	cAMP Biosensors Applied in Molecular Pharmacological Studies of G Protein-Coupled Receptors. Methods in Enzymology, 2013, 522, 191-207.	0.4	14
78	Oral l-Arginine Stimulates GLP-1 Secretion to Improve Glucose Tolerance in Male Mice. Endocrinology, 2013, 154, 3978-3983.	1.4	58
79	The l-Î±-amino acid receptor GPRC6A is expressed in the islets of Langerhans but is not involved in l-arginine-induced insulin release. Amino Acids, 2013, 44, 383-390.	1.2	46
80	Crystal Structure and Pharmacological Characterization of a Novel N-Methyl-d-aspartate (NMDA) Receptor Antagonist at the GluN1 Glycine Binding Site. Journal of Biological Chemistry, 2013, 288, 33124-33135.	1.6	22
81	Enhanced voluntary wheel running in GPRC6A receptor knockout mice. Physiology and Behavior, 2013, 118, 144-151.	1.0	16
82	3-Substituted 2-phenyl-indoles: privileged structures for medicinal chemistry. RSC Advances, 2013, 3, 945-960.	1.7	59
83	Discovery of a subtype selective inhibitor of the human betaine/GABA transporter 1 (BGT-1) with a non-competitive pharmacological profile. Biochemical Pharmacology, 2013, 86, 521-528.	2.0	29
84	Structure-based discovery of antagonists for GluN3-containing N-methyl-d-aspartate receptors. Neuropharmacology, 2013, 75, 324-336.	2.0	36
85	Delineation of the GPRC6A Receptor Signaling Pathways Using a Mammalian Cell Line Stably Expressing the Receptor. Journal of Pharmacology and Experimental Therapeutics, 2013, 347, 298-309.	1.3	61
86	Increased susceptibility to diet-induced obesity in GPRC6A receptor knockout mice. Journal of Endocrinology, 2013, 217, 151-160.	1.2	33
87	GABAB-Agonistic Activity of Certain Baclofen Homologues. Molecules, 2013, 18, 10266-10284.	1.7	10
88	The orthosteric <scp>GABA_A</scp> receptor ligand <scp>T</scp>hioâ€4â€<scp>PIOL</scp> displays distinctly different functional properties at synaptic and extrasynaptic receptors. British Journal of Pharmacology, 2013, 170, 919-932.	2.7	14
89	Interactions between calcium and phosphorus in the regulation of the production of fibroblast growth factor 23 in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E310-E320.	1.8	89
90	Synthesis of the calcilytic ligand NPS 2143. Beilstein Journal of Organic Chemistry, 2013, 9, 1383-1387.	1.3	7

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91	Î±4Î²2Î´ GABA _A receptors are high-affinity targets for Î³-hydroxybutyric acid (GHB). Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13404-13409.	3.3	87
92	Pharmacological Characterization and Modeling of the Binding Sites of Novel 1,3-Bis(pyridinylethynyl)benzenes as Metabotropic Glutamate Receptor 5-Selective Negative Allosteric Modulators. Molecular Pharmacology, 2012, 82, 929-937.	1.0	34
93	Novel Strategies in Drug Discovery of the Calcium-Sensing Receptor Based on Biased Signaling. Current Drug Targets, 2012, 13, 1324-1335.	1.0	15
94	(1S, 3S)-3-Amino-4-difluoromethylenyl-1-cyclopentanoic Acid (CPP-115), a Potent Î³-Aminobutyric Acid Aminotransferase Inactivator for the Treatment of Cocaine Addiction. Journal of Medicinal Chemistry, 2012, 55, 357-366.	2.9	43
95	Molecular pharmacology of human NMDA receptors. Neurochemistry International, 2012, 61, 601-609.	1.9	74
96	l-Arginine improves multiple physiological parameters in mice exposed to diet-induced metabolic disturbances. Amino Acids, 2012, 43, 1265-1275.	1.2	49
97	Extracellular Ca2+ is a danger signal activating the NLRP3 inflammasome through G protein-coupled calcium sensing receptors. Nature Communications, 2012, 3, 1329.	5.8	369
98	Strontium Is a Biased Agonist of the Calcium-Sensing Receptor in Rat Medullary Thyroid Carcinoma 6-23 Cells. Journal of Pharmacology and Experimental Therapeutics, 2012, 343, 638-649.	1.3	38
99	Structureâ€“Activity Relationships for Negative Allosteric mGluR5 Modulators. ChemMedChem, 2012, 7, 440-451.	1.6	19
100	Biased agonism of the calcium-sensing receptor. Cell Calcium, 2012, 51, 107-116.	1.1	76
101	A highly selective agonist for the metabotropic glutamate receptor mGluR2. MedChemComm, 2011, 2, 1120.	3.5	9
102	The use ofXenopusoocytes in drug screening. Expert Opinion on Drug Discovery, 2011, 6, 141-153.	2.5	23
103	Transmembrane Î±-Helix 2 and 7 Are Important for Small Molecule-Mediated Activation of the GLP-1 Receptor. Pharmacology, 2011, 88, 340-348.	0.9	9
104	Chemogenomic Discovery of Allosteric Antagonists at the GPRC6A Receptor. Chemistry and Biology, 2011, 18, 1489-1498.	6.2	36
105	Quinazolin-4-one Derivatives: A Novel Class of Noncompetitive NR2C/D Subunit-Selective N-Methyl-<scp>d</scp>-aspartate Receptor Antagonists. Journal of Medicinal Chemistry, 2010, 53, 5476-5490.	2.9	83
106	Homology Modelling of the GABA Transporter and Analysis of Tiagabine Binding. ChemMedChem, 2010, 5, 986-1000.	1.6	50
107	Novel 3â€Carboxyâ€and 3â€Phosphonopyrazoline Amino Acids as Potent and Selective NMDA Receptor Antagonists: Design, Synthesis, and Pharmacological Characterization. ChemMedChem, 2010, 5, 1465-1475.	1.6	22
108	A new metabotropic glutamate receptor agonist with in vivo anti-allodynic activity. Bioorganic and Medicinal Chemistry, 2010, 18, 6089-6098.	1.4	6

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109	1,2,3-Triazolyl amino acids as AMPA receptor ligands. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 7512-7515.	1.0	28
110	Novel Radioiodinated Î³-Hydroxybutyric Acid Analogues for Radiolabeling and Photolinking of High-Affinity Î³-Hydroxybutyric Acid Binding Sites. Journal of Pharmacology and Experimental Therapeutics, 2010, 335, 458-464.	1.3	16
111	Implementation of a Fluorescence-Based Screening Assay Identifies Histamine H3 Receptor Antagonists Clobenpropit and Iodophenpropit as Subunit-Selective N-Methyl-d-Aspartate Receptor Antagonists. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 650-662.	1.3	40
112	The Emerging Role of Promiscuous 7TM Receptors as Chemosensors for Food Intake. Vitamins and Hormones, 2010, 84, 151-184.	0.7	22
113	Design, Synthesis, and in Vitro Pharmacology of New Radiolabeled Î³-Hydroxybutyric Acid Analogues Including Photolabile Analogues with Irreversible Binding to the High-Affinity Î³-Hydroxybutyric Acid Binding Sites. Journal of Medicinal Chemistry, 2010, 53, 6506-6510.	2.9	20
114	(R)-(3-Amino-2-fluoropropyl) Phosphinic Acid (AZD3355), a Novel GABA_B Receptor Agonist, Inhibits Transient Lower Esophageal Sphincter Relaxation through a Peripheral Mode of Action. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 504-512.	1.3	49
115	No evidence for a bone phenotype in GPRC6A knockout mice under normal physiological conditions. Journal of Molecular Endocrinology, 2009, 42, 215-223.	1.1	63
116	The Four Human γ-Aminobutyric Acid (GABA) Transporters: Pharmacological Characterization and Validation of a Highly Efficient Screening Assay. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 241-249.	0.6	38
117	Molecular determinants of non-competitive antagonist binding to the mouse GPRC6A receptor. Cell Calcium, 2009, 46, 323-332.	1.1	50
118	Molecular basis for amino acid sensing by family C Gâ€proteinâ€coupled receptors. British Journal of Pharmacology, 2009, 156, 869-884.	2.7	99
119	Phenylacetic acids and the structurally related nonâ€steroidal antiâ€inflammatory drug diclofenac bind to specific Î³â€hydroxybutyric acid sites in rat brain. Fundamental and Clinical Pharmacology, 2009, 23, 207-213.	1.0	19
120	FLIPRÂ® Assays of Intracellular Calcium in GPCR Drug Discovery. Methods in Molecular Biology, 2009, 552, 269-278.	0.4	23
121	The GABA_{B1a}Isoform Mediates Heterosynaptic Depression at Hippocampal Mossy Fiber Synapses. Journal of Neuroscience, 2009, 29, 1414-1423.	1.7	54
122	Molecular Pharmacology of Promiscuous Seven Transmembrane Receptors Sensing Organic Nutrients. Molecular Pharmacology, 2009, 76, 453-465.	1.0	140
123	The Glutamate Receptor GluR5 Agonist (S)-2-Amino-3-(3-hydroxy-7,8-dihydro-6H-cyclohepta[d]isoxazol-4-yl)propionic Acid and the 8-Methyl Analogue: Synthesis, Molecular Pharmacology, and Biostructural Characterizationâ€PDB ID: 2WKY.. Journal of Medicinal Chemistry, 2009, 52, 4911-4922.	2.9	21
124	Xenopus Oocyte Electrophysiology in GPCR Drug Discovery. Methods in Molecular Biology, 2009, 552, 343-357.	0.4	18
125	3B but which 3B? And that's just one of the questions: the heterogeneity of human 5-HT3 receptors. Trends in Pharmacological Sciences, 2008, 29, 437-444.	4.0	67
126	Novel High-Affinity and Selective Biaromatic 4-Substituted Î³-Hydroxybutyric Acid (GHB) Analogues as GHB Ligands: Design, Synthesis, and Binding Studies. Journal of Medicinal Chemistry, 2008, 51, 8088-8095.	2.9	26

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127	N-Hydroxypyrazolyl Glycine Derivatives as Selective N-Methyl-d-aspartic Acid Receptor Ligands. Journal of Medicinal Chemistry, 2008, 51, 4179-4187.	2.9	19
128	Synthesis and Pharmacological Characterization at Glutamate Receptors of the Four Enantiopure Isomers of Tricholomic Acid. Journal of Medicinal Chemistry, 2008, 51, 2311-2315.	2.9	30
129	Pharmacological Characterization of Ligands at Recombinant NMDA Receptor Subtypes by Electrophysiological Recordings and Intracellular Calcium Measurements. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 304-315.	0.6	31
130	High-frequency HTR3B variant associated with major depression dramatically augments the signaling of the human 5-HT _{3AB} receptor. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 722-727.	3.3	72
131	Characterization of the effects of four HTR3B polymorphisms on human 5-HT3AB receptor expression and signalling. Pharmacogenetics and Genomics, 2008, 18, 1027-1040.	0.7	8
132	Cloning and Characterization of a Functional Human Î³-Aminobutyric Acid (GABA) Transporter, Human GAT-2. Journal of Biological Chemistry, 2007, 282, 19331-19341.	1.6	44
133	Structure, Pharmacology and Therapeutic Prospects of Family C G-Protein Coupled Receptors. Current Drug Targets, 2007, 8, 169-184.	1.0	222
134	Allosteric Modulation of the Calcium-Sensing Receptor. Current Neuropharmacology, 2007, 5, 180-186.	1.4	51
135	Naturally occurring variations in the human 5-HT3A gene profoundly impact 5-HT3 receptor function and expression. Pharmacogenetics and Genomics, 2007, 17, 255-266.	0.7	35
136	The rat GPRC6A: Cloning and characterization. Gene, 2007, 396, 257-267.	1.0	46
137	Functional Characterization of Tet-AMPA [Tetrazolyl-2-amino-3-(3-hydroxy-5-methyl-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 35 Molecular Basis for the Functional Selectivity Profile of 2-Bn-Tet-AMPA. Journal of Medicinal Chemistry, 2007, 50, 4177-4185.	2.9	17
138	Synthesis of Conformationally Constrained Glutamic Acid Homologues and Investigation of Their Pharmacological Profiles. ChemMedChem, 2007, 2, 1639-1647.	1.6	14
139	Synthesis and pharmacological characterization at glutamate receptors of erythro- and threo-tricholomic acid and homologues thereof. Tetrahedron, 2007, 63, 2249-2256.	1.0	18
140	Novel 5-substituted 1-pyrazolol analogues of ibotenic acid: Synthesis and pharmacology at glutamate receptors. Bioorganic and Medicinal Chemistry, 2007, 15, 3524-3538.	1.4	15
141	Pharmacological characterization of mouse GPRC6A, an L -Î± -amino-acid receptor modulated by divalent cations. British Journal of Pharmacology, 2007, 150, 798-807.	2.7	74
142	Synthesis and pharmacology of glutamate receptor ligands: new isothiazole analogues of ibotenic acid. Organic and Biomolecular Chemistry, 2007, 5, 463-471.	1.5	21
143	Rational Design and Enantioselective Synthesis of (1R,4S,5R,6S)-3-Azabicyclo[3.3.0]octane-4,6-dicarboxylic Acid A Novel Inhibitor at Human Glutamate Transporter Subtypes 1, 2, and 3. Journal of Medicinal Chemistry, 2006, 49, 172-178.	2.9	22
144	Differential Compartmentalization and Distinct Functions of GABAB Receptor Variants. Neuron, 2006, 50, 589-601.	3.8	289

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145	Known regulators of nitric oxide synthase and arginase are agonists at the human G-protein-coupled receptor GPRC6A. British Journal of Pharmacology, 2006, 147, 855-863.	2.7	22
146	Activity of l-Î±-amino acids at the promiscuous goldfish odorant receptor 5.24. European Journal of Pharmacology, 2006, 536, 98-101.	1.7	9
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