Craig W Lindsley

List of Publications by Year
in descending order

633	18,889	14655 66	22832 112
papers	citations	h-index	g-index

659	659	659	15845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Allosteric modulators of GPCRs: a novel approach for the treatment of CNS disorders. Nature Reviews Drug Discovery, 2009, 8, 41-54.	46.4	929
2	Allosteric Akt (PKB) inhibitors: discovery and SAR of isozyme selective inhibitors. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 761-764.	2.2	479
3	Efficient Synthesis of Imidazoles from Aldehydes and 1,2-Diketones Using Microwave Irradiation. Organic Letters, 2004, 6, 1453-1456.	4.6	382
4	In Vivo Structureâ"Activity Relationship Study of Dorsomorphin Analogues Identifies Selective VEGF and BMP Inhibitors. ACS Chemical Biology, 2010, 5, 245-253.	3.4	361
5	Activation of metabotropic glutamate receptors as a novel approach for the treatment of schizophrenia. Trends in Pharmacological Sciences, 2009, 30, 25-31.	8.7	325
6	A Novel Selective Positive Allosteric Modulator of Metabotropic Glutamate Receptor Subtype 5 Has in Vivo Activity and Antipsychotic-Like Effects in Rat Behavioral Models. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 199-206.	2.5	289
7	Subtype-selective allosteric modulators of muscarinic receptors for the treatment of CNS disorders. Trends in Pharmacological Sciences, 2009, 30, 148-155.	8.7	258
8	Selective activation of the M ₁ muscarinic acetylcholine receptor achieved by allosteric potentiation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15950-15955.	7.1	253
9	A Family of Highly Selective Allosteric Modulators of the Metabotropic Glutamate Receptor Subtype 5. Molecular Pharmacology, 2003, 64, 731-740.	2.3	226
10	Opportunities and challenges in the discovery of allosteric modulators of GPCRs for treating CNS disorders. Nature Reviews Drug Discovery, 2014, 13, 692-708.	46.4	226
11	Novel Selective Allosteric Activator of the M₁Muscarinic Acetylcholine Receptor Regulates Amyloid Processing and Produces Antipsychotic-Like Activity in Rats. Journal of Neuroscience, 2008, 28, 10422-10433.	3.6	219
12	Drugs for Allosteric Sites on Receptors. Annual Review of Pharmacology and Toxicology, 2014, 54, 165-184.	9.4	218
13	A Selective Allosteric Potentiator of the M₁Muscarinic Acetylcholine Receptor Increases Activity of Medial Prefrontal Cortical Neurons and Restores Impairments in Reversal Learning. Journal of Neuroscience, 2009, 29, 14271-14286.	3.6	217
14	Allosteric Modulation of Seven Transmembrane Spanning Receptors: Theory, Practice, and Opportunities for Central Nervous System Drug Discovery. Journal of Medicinal Chemistry, 2012, 55, 1445-1464.	6.4	212
15	Phospholipase D Signaling Pathways and Phosphatidic Acid as Therapeutic Targets in Cancer. Pharmacological Reviews, 2014, 66, 1033-1079.	16.0	209
16	Application of Combinatorial Chemistry Science on Modern Drug Discovery. ACS Combinatorial Science, 2008, 10, 345-354.	3.3	206
17	mGluR5 Positive Allosteric Modulators Facilitate both Hippocampal LTP and LTD and Enhance Spatial Learning. Neuropsychopharmacology, 2009, 34, 2057-2071.	5.4	199
18	Discovery, Characterization, and Antiparkinsonian Effect of Novel Positive Allosteric Modulators of Metabotropic Glutamate Receptor 4. Molecular Pharmacology, 2008, 74, 1345-1358.	2.3	187

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19	M4 Muscarinic Receptor Signaling Ameliorates Striatal Plasticity Deficits in Models of L-DOPA-Induced Dyskinesia. Neuron, 2015, 88, 762-773.	8.1	183
20	Centrally Active Allosteric Potentiators of the M₄ Muscarinic Acetylcholine Receptor Reverse Amphetamine-Induced Hyperlocomotor Activity in Rats. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 941-953.	2.5	177
21	Discovery of Novel Allosteric Modulators of Metabotropic Glutamate Receptor Subtype 5 Reveals Chemical and Functional Diversity and In Vivo Activity in Rat Behavioral Models of Anxiolytic and Antipsychotic Activity. Molecular Pharmacology, 2010, 78, 1105-1123.	2.3	176
22	A Novel Selective Allosteric Modulator Potentiates the Activity of Native Metabotropic Glutamate Receptor Subtype 5 in Rat Forebrain. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 568-577.	2.5	175
23	Discovery of Positive Allosteric Modulators for the Metabotropic Glutamate Receptor Subtype 5 from a Series of N-(1,3-Diphenyl-1H- pyrazol-5-yl)benzamides That Potentiate Receptor Function in Vivo. Journal of Medicinal Chemistry, 2004, 47, 5825-5828.	6.4	164
24	Targeting phospholipase D in cancer, infection and neurodegenerative disorders. Nature Reviews Drug Discovery, 2017, 16, 351-367.	46.4	161
25	â€œMolecular Switchesâ€•on mGluR Allosteric Ligands That Modulate Modes of Pharmacology. Biochemistry, 2011, 50, 2403-2410.	2.5	155
26	G-Protein-Coupled Receptors: From Classical Modes of Modulation to Allosteric Mechanisms. ACS Chemical Biology, 2008, 3, 530-541.	3.4	154
27	Practical Strategies and Concepts in GPCR Allosteric Modulator Discovery: Recent Advances with Metabotropic Glutamate Receptors. Chemical Reviews, 2016, 116, 6707-6741.	47.7	151
28	Progress Towards Validating the NMDA Receptor Hypofunction Hypothesis of Schizophrenia. Current Topics in Medicinal Chemistry, 2006, 6, 771-785.	2.1	140
29	Discovery and Characterization of Novel Allosteric Potentiators of M₁Muscarinic Receptors Reveals Multiple Modes of Activity. Molecular Pharmacology, 2009, 75, 577-588.	2.3	135
30	ML297 (VU0456810), the First Potent and Selective Activator of the GIRK Potassium Channel, Displays Antiepileptic Properties in Mice. ACS Chemical Neuroscience, 2013, 4, 1278-1286.	3.5	135
31	Advancing Biological Understanding and Therapeutics Discovery with Small-Molecule Probes. Cell, 2015, 161, 1252-1265.	28.9	135
32	A Novel Selective Muscarinic Acetylcholine Receptor Subtype 1 Antagonist Reduces Seizures without Impairing Hippocampus-Dependent Learning. Molecular Pharmacology, 2009, 76, 356-368.	2.3	121
33	Biased mGlu 5 -Positive Allosteric Modulators Provide InÂVivo Efficacy without Potentiating mGlu 5 Modulation of NMDAR Currents. Neuron, 2015, 86, 1029-1040.	8.1	121
34	Selective Activation of M₄ Muscarinic Acetylcholine Receptors Reverses MK-801-Induced Behavioral Impairments and Enhances Associative Learning in Rodents. ACS Chemical Neuroscience, 2014, 5, 920-942.	3.5	116
35	The Ecstasy and Agony of Assay Interference Compounds. Journal of Medicinal Chemistry, 2017, 60, 2165-2168.	6.4	113
36	Functional Impact of Allosteric Agonist Activity of Selective Positive Allosteric Modulators of Metabotropic Glutamate Receptor Subtype 5 in Regulating Central Nervous System Function. Molecular Pharmacology, 2012, 81, 120-133.	2.3	112

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37	Classics in Chemical Neuroscience: Clozapine. ACS Chemical Neuroscience, 2013, 4, 1018-1025.	3.5	111
38	Antipsychotic-like Effects of M 4 Positive Allosteric Modulators Are Mediated by CB 2 Receptor-Dependent Inhibition of Dopamine Release. Neuron, 2016, 91, 1244-1252.	8.1	110
39	Allosteric modulation of the M1 muscarinic acetylcholine receptor: improving cognition and a potential treatment for schizophrenia and Alzheimer's disease. Drug Discovery Today, 2013, 18, 1185-1199.	6.4	107
40	Design and synthesis of isoform-selective phospholipase D (PLD) inhibitors. Part I: Impact of alternative halogenated privileged structures for PLD1 specificity. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1916-1920.	2.2	101
41	The Akt/PKB Family of Protein Kinases: A Review of Small Molecule Inhibitors and Progress Towards Target Validation: A 2009 Update. Current Topics in Medicinal Chemistry, 2010, 10, 458-477.	2.1	98
42	Novel Allosteric Agonists of M1 Muscarinic Acetylcholine Receptors Induce Brain Region-Specific Responses That Correspond with Behavioral Effects in Animal Models. Journal of Neuroscience, 2012, 32, 8532-8544.	3.6	98
43	The Metabotropic Glutamate Receptor 4-Positive Allosteric Modulator VU0364770 Produces Efficacy Alone and in Combination with l-DOPA or an Adenosine 2A Antagonist in Preclinical Rodent Models of Parkinson's Disease. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 404-421.	2.5	95
44	Unique Signaling Profiles of Positive Allosteric Modulators of Metabotropic Glutamate Receptor Subtype 5 Determine Differences in In Vivo Activity. Biological Psychiatry, 2013, 73, 501-509.	1.3	95
45	Rapid, General Access to Chiral Î²-Fluoroamines and Î²,Î²-Difluoroamines via Organocatalysis. Organic Letters, 2009, 11, 943-946.	4.6	93
46	Discovery of the First Highly M5-Preferring Muscarinic Acetylcholine Receptor Ligand, an M5 Positive Allosteric Modulator Derived from a Series of 5-Trifluoromethoxy N-Benzyl Isatins. Journal of Medicinal Chemistry, 2009, 52, 3445-3448.	6.4	92
47	Design, Synthesis, and Biological Evaluation of Halogenated N-(2-(4-Oxo-1-phenyl-1,3,8-triazaspiro[4.5]decan-8-yl)ethyl)benzamides: Discovery of an Isoform-Selective Small Molecule Phospholipase D2 Inhibitor. Journal of Medicinal Chemistry, 2010, 53, 6706-6719.	6.4	92
48	Antipsychotic Drug-Like Effects of the Selective M4 Muscarinic Acetylcholine Receptor Positive Allosteric Modulator VU0152100. Neuropsychopharmacology, 2014, 39, 1578-1593.	5.4	91
49	Investigating Metabotropic Glutamate Receptor 5 Allosteric Modulator Cooperativity, Affinity, and Agonism: Enriching Structure-Function Studies and Structure-Activity Relationships. Molecular Pharmacology, 2012, 82, 860-875.	2.3	90
50	Discovery and Characterization of Novel Subtype-Selective Allosteric Agonists for the Investigation of M₁ Receptor Function in the Central Nervous System. ACS Chemical Neuroscience, 2010, 1, 104-121.	3.5	88
51	Metabotropic glutamate receptor 3 activation is required for long-term depression in medial prefrontal cortex and fear extinction. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1196-1201.	7.1	86
52	The PI3K/Akt Pathway: Recent Progress in the Development of ATP-Competitive and Allosteric Akt Kinase Inhibitors. Current Cancer Drug Targets, 2008, 8, 7-18.	1.6	84
53	M4 mAChR-Mediated Modulation of Glutamatergic Transmission at Corticostriatal Synapses. ACS Chemical Neuroscience, 2014, 5, 318-324.	3.5	84
54	Schizophrenia: Moving Beyond Monoamine Antagonists. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2008, 8, 99-107.	3.4	82

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55	Development of a Custom High-Throughput Preparative Liquid Chromatography/Mass Spectrometer Platform for the Preparative Purification and Analytical Analysis of Compound Libraries. ACS Combinatorial Science, 2003, 5, 322-329.	3.3	80
56	Synthesis and SAR of a mGluR5 allosteric partial antagonist lead: Unexpected modulation of pharmacology with slight structural modifications to a 5-(phenylethynyl)pyrimidine scaffold. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4098-4101.	2.2	80
57	Allosteric modulation of kinases and GPCRs: design principles and structural diversity. Current Opinion in Chemical Biology, 2008, 12, 269-280.	6.1	80
58	The Discovery and Characterization of ML218: A Novel, Centrally Active T-Type Calcium Channel Inhibitor with Robust Effects in STN Neurons and in a Rodent Model of Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2011, 2, 730-742.	3.5	80
59	Synthesis and Evaluation of a Series of Heterobiarylamides That Are Centrally Penetrant Metabotropic Glutamate Receptor 4 (mGluR4) Positive Allosteric Modulators (PAMs). Journal of Medicinal Chemistry, 2009, 52, 4115-4118.	6.4	79
60	Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system. Neuropharmacology, 2018, 128, 301-313.	4.1	79
61	Further optimization of the K-Cl cotransporter KCC2 antagonist ML077: Development of a highly selective and more potent in vitro probe. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4532-4535.	2.2	78
62	The Ecstasy and Agony of Assay Interference Compounds. ACS Central Science, 2017, 3, 143-147.	11.3	78
63	Allosteric Modulators for the Treatment of Schizophrenia: Targeting Glutamatergic Networks. Current Topics in Medicinal Chemistry, 2013, 13, 26-54.	2.1	74
64	Discovery of Molecular Switches That Modulate Modes of Metabotropic Glutamate Receptor Subtype 5 (mGlu₅) Pharmacology in Vitro and in Vivo within a Series of Functionalized, Regioisomeric 2- and 5-(Phenylethynyl)pyrimidines. Journal of Medicinal Chemistry, 2009, 52, 4103-4106.	6.4	72
65	Classics in Chemical Neuroscience: Fluoxetine (Prozac). ACS Chemical Neuroscience, 2014, 5, 14-23.	3.5	71
66	Discovery of a Novel Chemical Class of mGlu₅ Allosteric Ligands with Distinct Modes of Pharmacology. ACS Chemical Neuroscience, 2010, 1, 702-716.	3.5	70
67	Probing the Metabotropic Glutamate Receptor 5 (mGlu₅) Positive Allosteric Modulator (PAM) Binding Pocket: Discovery of Point Mutations That Engender a â€œMolecular Switchâ€•in PAM Pharmacology. Molecular Pharmacology, 2013, 83, 991-1006.	2.3	70
68	Synthesis and structureâ€“activity relationships of a novel and selective bone morphogenetic protein receptor (BMP) inhibitor derived from the pyrazolo[1.5-a]pyrimidine scaffold of Dorsomorphin: The discovery of ML347 as an ALK2 versus ALK3 selective MLPCN probe. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3248-3252.	2.2	69
69	Challenges in the development of mGluR5 positive allosteric modulators: The discovery of CPPHA. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1386-1391.	2.2	68
70	Roles of the M1 Muscarinic Acetylcholine Receptor Subtype in the Regulation of Basal Ganglia Function and Implications for the Treatment of Parkinson's Disease. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 595-603.	2.5	64
71	M₅Receptor Activation Produces Opposing Physiological Outcomes in Dopamine Neurons Depending on the Receptor's Location. Journal of Neuroscience, 2014, 34, 3253-3262.	3.6	64
72	Design and synthesis of isoform-selective phospholipase D (PLD) inhibitors. Part II. Identification of the 1,3,8-triazaspiro[4,5]decan-4-one privileged structure that engenders PLD2 selectivity. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2240-2243.	2.2	63

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73	Discovery and optimization of a novel, selective and brain penetrant M1 positive allosteric modulator (PAM): The development of ML169, an MLPCN probe. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2697-2701.	2.2	63
74	Discovery of the First M₅-Selective and CNS Penetrant Negative Allosteric Modulator (NAM) of a Muscarinic Acetylcholine Receptor: (S)-9b-(4-Chlorophenyl)-1-(3,4-difluorobenzoyl)-2,3-dihydro-1H-imidazo[2,1-a]isoindol-5(9bH)-one (ML375). Journal of Medicinal Chemistry, 2013, 56, 9351-9355.	6.4	62
75	Discovery of a Selective and CNS Penetrant Negative Allosteric Modulator of Metabotropic Glutamate Receptor Subtype 3 with Antidepressant and Anxiolytic Activity in Rodents. Journal of Medicinal Chemistry, 2015, 58, 7485-7500.	6.4	62
76	An mGlu5-Positive Allosteric Modulator Rescues the Neuroplasticity Deficits in a Genetic Model of NMDA Receptor Hypofunction in Schizophrenia. Neuropsychopharmacology, 2016, 41, 2052-2061.	5.4	60
77	Classics in Chemical Neuroscience: Risperidone. ACS Chemical Neuroscience, 2018, 9, 1520-1529.	3.5	60
78	mGluR4-positive allosteric modulation as potential treatment for Parkinsonâ€™s disease. Future Medicinal Chemistry, 2009, 1, 501-513.	2.3	59
79	M1-positive allosteric modulators lacking agonist activity provide the optimal profile for enhancing cognition. Neuropsychopharmacology, 2018, 43, 1763-1771.	5.4	56
80	mGlu2 and mGlu3 Negative Allosteric Modulators Divergently Enhance Thalamocortical Transmission and Exert Rapid Antidepressant-like Effects. Neuron, 2020, 105, 46-59.e3.	8.1	56
81	Inhibition of Akt with small molecules and biologics: historical perspective and current status of the patent landscape. Expert Opinion on Therapeutic Patents, 2011, 21, 1309-1338.	5.0	55
82	Classics in Chemical Neuroscience: Memantine. ACS Chemical Neuroscience, 2017, 8, 1823-1829.	3.5	55
83	mGlu ₇ potentiation rescues cognitive, social, and respiratory phenotypes in a mouse model of Rett syndrome. Science Translational Medicine, 2017, 9, .	12.4	55
84	Accelerating lead development by microwave-enhanced medicinal chemistry. Drug Discovery Today: Technologies, 2005, 2, 155-161.	4.0	53
85	Identification of Positive Allosteric Modulators VU0155094 (ML397) and VU0422288 (ML396) Reveals New Insights into the Biology of Metabotropic Glutamate Receptor 7. ACS Chemical Neuroscience, 2014, 5, 1221-1237.	3.5	53
86	The antipsychotic potential of muscarinic allosteric modulation. Drug News and Perspectives, 2010, 23, 229.	1.5	53
87	Discovery, Synthesis, and Structureâ€“Activity Relationship Development of a Series of N-4-(2,5-Dioxopyrrolidin-1-yl)phenylpicolinamides (VU0400195, ML182): Characterization of a Novel Positive Allosteric Modulator of the Metabotropic Glutamate Receptor 4 (mGlu₄) with Oral Efficacy in an Antiparkinsonian Animal Model. Journal of Medicinal Chemistry, 2011, 54, 7639-7647.	6.4	52
88	Discovery of (R)-(2-Fluoro-4-((-4-methoxyphenyl)ethynyl)phenyl) (3-Hydroxypiperidin-1-yl)methanone (ML337), An mGlu₃ Selective and CNS Penetrant Negative Allosteric Modulator (NAM). Journal of Medicinal Chemistry, 2013, 56, 5208-5212.	6.4	52
89	Phospholipase D Facilitates Efficient Entry of Influenza Virus, Allowing Escape from Innate Immune Inhibition. Journal of Biological Chemistry, 2014, 289, 25405-25417.	3.4	52
90	Chemical lead optimization of a pan Gq mAChR M1, M3, M5 positive allosteric modulator (PAM) lead. Part II: Development of a potent and highly selective M1 PAM. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 1972-1975.	2.2	51

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91	Development and Antiparkinsonian Activity of VU0418506, a Selective Positive Allosteric Modulator of Metabotropic Glutamate Receptor 4 Homomers without Activity at mGlu_{2/4} Heteromers. ACS Chemical Neuroscience, 2016, 7, 1201-1211.	3.5	50
92	Parallel synthesis of N-biaryl quinolone carboxylic acids as selective M1 positive allosteric modulators. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 531-536.	2.2	48
93	Identification of Specific Ligandâ€“Receptor Interactions That Govern Binding and Cooperativity of Diverse Modulators to a Common Metabotropic Glutamate Receptor 5 Allosteric Site. ACS Chemical Neuroscience, 2014, 5, 282-295.	3.5	48
94	mGlu₅positive allosteric modulation normalizes synaptic plasticity defects and motor phenotypes in a mouse model of Rett syndrome. Human Molecular Genetics, 2016, 25, 1990-2004.	2.9	48
95	Crystal structure of the M ₅ muscarinic acetylcholine receptor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26001-26007.	7.1	48
96	Chemical Modulation of Mutant mGlu₁ Receptors Derived from Deleterious GRM1 Mutations Found in Schizophrenics. ACS Chemical Biology, 2014, 9, 2334-2346.	3.4	46
97	Pharmacological stimulation of metabotropic glutamate receptor type 4 in a rat model of Parkinson's disease and l-DOPA-induced dyskinesia: Comparison between a positive allosteric modulator and an orthosteric agonist. Neuropharmacology, 2015, 95, 121-129.	4.1	46
98	Re-exploration of the PHCCC Scaffold: Discovery of Improved Positive Allosteric Modulators of mGluR4. ACS Chemical Neuroscience, 2010, 1, 411-419.	3.5	45
99	Discovery, Synthesis, and Structureâ^'Activity Relationship Development of a Series of N-(4-Acetamido)phenylpicolinamides as Positive Allosteric Modulators of Metabotropic Glutamate Receptor 4 (mGlu₄) with CNS Exposure in Rats. Journal of Medicinal Chemistry, 2011, 54, 1106-1110.	6.4	45
100	Modulation of pyramidal cell output in the medial prefrontal cortex by mGluR5 interacting with CB1. Neuropharmacology, 2013, 66, 170-178.	4.1	45
101	A Novel Class of Succinimide-Derived Negative Allosteric Modulators of Metabotropic Glutamate Receptor Subtype 1 Provides Insight into a Disconnect in Activity between the Rat and Human Receptors. ACS Chemical Neuroscience, 2014, 5, 597-610.	3.5	45
102	A Rodent Model of Traumatic Stress Induces Lasting Sleep and Quantitative Electroencephalographic Disturbances. ACS Chemical Neuroscience, 2015, 6, 485-493.	3.5	45
103	Progress in the Preparation and Testing of Glycine Transporter Type-1 (GlyT1) Inhibitors. Current Topics in Medicinal Chemistry, 2006, 6, 1883-1896.	2.1	44
104	Attenuation of Cocaine's Reinforcing and Discriminative Stimulus Effects via Muscarinic M₁ Acetylcholine Receptor Stimulation. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 959-969.	2.5	44
105	Diverse Effects on M₁ Signaling and Adverse Effect Liability within a Series of M₁ Ago-PAMs. ACS Chemical Neuroscience, 2017, 8, 866-883.	3.5	44
106	New 2016 Data and Statistics for Global Pharmaceutical Products and Projections through 2017. ACS Chemical Neuroscience, 2017, 8, 1635-1636.	3.5	44
107	Design, Synthesis, and Inâ€…Vivo Efficacy of Glycine Transporter-1 (GlyT1) Inhibitors Derived from a Series of [4-Phenyl-1-(propylsulfonyl)piperidin-4-yl]methyl Benzamides. ChemMedChem, 2006, 1, 807-811.	3.2	43
108	Chemical lead optimization of a pan Gq mAChR M1, M3, M5 positive allosteric modulator (PAM) lead. Part I: Development of the first highly selective M5 PAM. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 558-562.	2.2	43

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109	Chemical inhibition of fatty acid absorption and cellular uptake limits lipotoxic cell death. Biochemical Pharmacology, 2015, 98, 167-181.	4.4	43
110	Discovery of VU0467485/AZ13713945: An M₄ PAM Evaluated as a Preclinical Candidate for the Treatment of Schizophrenia. ACS Medicinal Chemistry Letters, 2017, 8, 233-238.	2.8	43
111	Cholinergic Projections to the Substantia Nigra Pars Reticulata Inhibit Dopamine Modulation of Basal Ganglia through the M4 Muscarinic Receptor. Neuron, 2017, 96, 1358-1372.e4.	8.1	43
112	A Novel M₁ PAM VU0486846 Exerts Efficacy in Cognition Models without Displaying Agonist Activity or Cholinergic Toxicity. ACS Chemical Neuroscience, 2018, 9, 2274-2285.	3.5	43
113	Mechanisms underlying prelimbic prefrontal cortex mGlu3/mGlu5-dependent plasticity and reversal learning deficits following acute stress. Neuropharmacology, 2019, 144, 19-28.	4.1	43
114	Classics in Chemical Neuroscience: Baclofen. ACS Chemical Neuroscience, 2020, 11, 1740-1755.	3.5	43
115	Identification of Metabotropic Glutamate Receptor Subtype 5 Potentiators Using Virtual High-Throughput Screening. ACS Chemical Neuroscience, 2010, 1, 288-305.	3.5	42
116	Biotransformation of a Novel Positive Allosteric Modulator of Metabotropic Glutamate Receptor Subtype 5 Contributes to Seizure-Like Adverse Events in Rats Involving a Receptor Agonism-Dependent Mechanism. Drug Metabolism and Disposition, 2013, 41, 1703-1714.	3.3	42
117	Discovery of molecular switches within the ADX-47273 mGlu5 PAM scaffold that modulate modes of pharmacology to afford potent mGlu5 NAMs, PAMs and partial antagonists. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2711-2714.	2.2	41
118	Targeting Selective Activation of M₁ for the Treatment of Alzheimerâ€™s Disease: Further Chemical Optimization and Pharmacological Characterization of the M₁ Positive Allosteric Modulator ML169. ACS Chemical Neuroscience, 2012, 3, 884-895.	3.5	41
119	Discovery of VU0409551/JNJ-46778212: An mGlu₅ Positive Allosteric Modulator Clinical Candidate Targeting Schizophrenia. ACS Medicinal Chemistry Letters, 2015, 6, 716-720.	2.8	41
120	VU0477573: Partial Negative Allosteric Modulator of the Subtype 5 Metabotropic Glutamate Receptor with In Vivo Efficacy. Journal of Pharmacology and Experimental Therapeutics, 2015, 356, 123-136.	2.5	41
121	Allosteric activation of M4 muscarinic receptors improve behavioral and physiological alterations in early symptomatic YAC128 mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14078-14083.	7.1	41
122	DARK Classics in Chemical Neuroscience: Opium, a Historical Perspective. ACS Chemical Neuroscience, 2018, 9, 2503-2518.	3.5	41
123	Metabotropic glutamate receptor subtype 3 gates acute stress-induced dysregulation of amygdalo-cortical function. Molecular Psychiatry, 2019, 24, 916-927.	7.9	41
124	Convenient and General Microwave-Assisted Protocols for the Expedient Synthesis of Heterocycles. Heterocycles, 2006, 70, 655.	0.7	40
125	Relationship between In Vivo Receptor Occupancy and Efficacy of Metabotropic Glutamate Receptor Subtype 5 Allosteric Modulators with Different In Vitro Binding Profiles. Neuropsychopharmacology, 2015, 40, 755-765.	5.4	40
126	Activation of Metabotropic Glutamate Receptor 7 Is Required for Induction of Long-Term Potentiation at SC-CA1 Synapses in the Hippocampus. Journal of Neuroscience, 2015, 35, 7600-7615.	3.6	40

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127	Return of D₄ Dopamine Receptor Antagonists in Drug Discovery. Journal of Medicinal Chemistry, 2017, 60, 7233-7243.	6.4	40
128	Total Synthesis and Biological Evaluation of Phidianidines A and B Uncovers Unique Pharmacological Profiles at CNS Targets. ACS Chemical Neuroscience, 2012, 3, 658-664.	3.5	39
129	Discovery of N-(4-methoxy-7-methylbenzo[d]thiazol-2-yl)isonicatinamide, ML293, as a novel, selective and brain penetrant positive allosteric modulator of the muscarinic 4 (M4) receptor. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5084-5088.	2.2	39
130	Discovery, Synthesis, and Preclinical Characterization ofN-(3-Chloro-4-fluorophenyl)-1H-pyrazolo[4,3-b]pyridin-3-amine (VU0418506), a Novel Positive Allosteric Modulator of the Metabotropic Glutamate Receptor 4 (mGlu4). ACS Chemical Neuroscience, 2016, 7, 1192-1200.	3.5	39
131	Prefrontal Cortex-Mediated Impairments in a Genetic Model of NMDA Receptor Hypofunction Are Reversed by the Novel M₁ PAM VU6004256. ACS Chemical Neuroscience, 2016, 7, 1706-1716.	3.5	39
132	Classics in Chemical Neuroscience: Xanomeline. ACS Chemical Neuroscience, 2017, 8, 435-443.	3.5	39
133	Discovery, Characterization, and Effects on Renal Fluid and Electrolyte Excretion of the Kir4.1 Potassium Channel Pore Blocker, VU0134992. Molecular Pharmacology, 2018, 94, 926-937.	2.3	39
134	Discovery of Positive Allosteric Modulators of Metabotropic Glutamate Receptor Subtype 5 (mGluR5). Current Topics in Medicinal Chemistry, 2005, 5, 825-846.	2.1	38
135	Discovery of 2â€(2â€Benzoxazoyl amino)â€4â€Arylâ€5â€Cyanopyrimidine as Negative Allosteric Modulators (NAMs) of Metabotropic Glutamate Receptorâ€…5 (mGlu₅): From an Artificial Neural Network Virtual Screen to an In Vivo Tool Compound. ChemMedChem, 2012, 7, 406-414.	3.2	38
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