

Darryl Scott Pickering

List of Publications by Year in descending order

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102
papers

2,202
citations

236925

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315739

38
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103
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103
docs citations

103
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ionotropic glutamate-like receptor $\hat{2}$ binds $\langle \text{sc} \rangle \text{d} \langle \text{sc} \rangle$ -serine and glycine. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14116-14121.	7.1	138
2	A pharmacological characterization of the mGluR1 $\hat{1}$ subtype of the metabotropic glutamate receptor expressed in a cloned baby hamster kidney cell line. Brain Research, 1993, 619, 22-28.	2.2	96
3	Correlation between Anticonvulsant Activity and Inhibitory Action on Glial $\hat{3}$ -Aminobutyric Acid Uptake of the Highly Selective Mouse $\hat{3}$ -Aminobutyric Acid Transporter 1 Inhibitor 3-Hydroxy-4-amino-4,5,6,7-tetrahydro-1,2-benzisoxazole and Its N-Alkylated Analogs. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 636-644.	2.5	73
4	Structural Proof of a Dimeric Positive Modulator Bridging Two Identical AMPA Receptor-Binding Sites. Chemistry and Biology, 2007, 14, 1294-1303.	6.0	63
5	Identification of Amino Acid Residues in GluR1 Responsible for Ligand Binding and Desensitization. Journal of Neuroscience, 2001, 21, 3052-3062.	3.6	56
6	Full Domain Closure of the Ligand-binding Core of the Ionotropic Glutamate Receptor iGluR5 Induced by the High Affinity Agonist Dysiherbaine and the Functional Antagonist 8,9-Dideoxyneodysiherbaine. Journal of Biological Chemistry, 2009, 284, 14219-14229.	3.4	53
7	Tyr702 Is an Important Determinant of Agonist Binding and Domain Closure of the Ligand-Binding Core of GluR2. Molecular Pharmacology, 2005, 67, 703-713.	2.3	50
8	Chemo-Enzymatic Synthesis of a Series of 2,4- $\langle \text{syn} \rangle$ -Functionalized ($\langle \text{S} \rangle$)-Glutamate Analogues: New Insight into the Structure-Activity Relation of Ionotropic Glutamate Receptor Subtypes 5, 6, and 7. Journal of Medicinal Chemistry, 2008, 51, 4093-4103.	6.4	50
9	Partial Agonism and Antagonism of the Ionotropic Glutamate Receptor iGluR5. Journal of Biological Chemistry, 2007, 282, 25726-25736.	3.4	48
10	The Structure of a Mixed GluR2 Ligand-binding Core Dimer in Complex with (S)-Glutamate and the Antagonist (S)-NS1209. Journal of Molecular Biology, 2006, 357, 1184-1201.	4.2	47
11	Design, Synthesis, and Pharmacology of a Highly Subtype-Selective GluR1/2 Agonist, (RS)-2-Amino-3-(4-chloro-3-hydroxy-5-isoxazolyl)propionic Acid (Cl-HIBO). Journal of Medicinal Chemistry, 2003, 46, 2246-2249.	6.4	46
12	Chemoenzymatic Synthesis of New 2,4- $\langle \text{syn} \rangle$ -Functionalized ($\langle \text{S} \rangle$)-Glutamate Analogues and Structure-Activity Relationship Studies at Ionotropic Glutamate Receptors and Excitatory Amino Acid Transporters. Journal of Medicinal Chemistry, 2013, 56, 1614-1628.	6.4	42
13	Differential role of AMPA receptors in mouse tests of antidepressant and anxiolytic action. Brain Research, 2015, 1601, 117-126.	2.2	42
14	Lessons from crystal structures of kainate receptors. Neuropharmacology, 2017, 112, 16-28.	4.1	40
15	D-Aspartate and NMDA, but not L-aspartate, block AMPA receptors in rat hippocampal neurons. British Journal of Pharmacology, 2005, 145, 449-459.	5.4	37
16	Development of calcium-permeable $\hat{3}$ -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptors in cultured neocortical neurons visualized by cobalt staining. Journal of Neuroscience Research, 1998, 54, 273-281.	2.9	36
17	Agonist discrimination between AMPA receptor subtypes. NeuroReport, 2000, 11, 2643-2648.	1.2	36
18	Does increasing the ratio of AMPA-to-NMDA receptor mediated neurotransmission engender antidepressant action? Studies in the mouse forced swim and tail suspension tests. Neuroscience Letters, 2013, 546, 6-10.	2.1	36

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19	Characterization of the 1H-Cyclopentapyrimidine-2,4(1H,3H)-dione Derivative (S)-CPW399 as a Novel, Potent, and Subtype-Selective AMPA Receptor Full Agonist with Partial Desensitization Properties. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 4501-4504.	6.4	35
20	Structural rearrangement of the intracellular domains during AMPA receptor activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3950-9.	7.1	35
21	Systemic and Brain Pharmacokinetics of Perforin Inhibitor Prodrugs. <i>Molecular Pharmaceutics</i> , 2016, 13, 2484-2491.	4.6	32
22	Role of desensitization and subunit expression for kainate receptor-mediated neurotoxicity in murine neocortical cultures. , 1999, 55, 208-217.		29
23	A Tetrazolyl-Substituted Subtype-Selective AMPA Receptor Agonist. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2408-2414.	6.4	29
24	Augmentation of Anticancer Drug Efficacy in Murine Hepatocellular Carcinoma Cells by a Peripherally Acting Competitive N-Methyl-D-aspartate (NMDA) Receptor Antagonist. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9885-9904.	6.4	27
25	Expression of nanomolar-affinity binding sites for melatonin in Syrian hamster RPMI 1846 melanoma cells. <i>Cellular Signalling</i> , 1992, 4, 201-207.	3.6	26
26	Binding site and interlobe interactions of the ionotropic glutamate receptor GluK3 ligand binding domain revealed by high resolution crystal structure in complex with (S)-glutamate. <i>Journal of Structural Biology</i> , 2011, 176, 307-314.	2.8	26
27	Depolarization-induced release of [3H]d-aspartate from GABAergic neurons caused by reversal of glutamate transporters. <i>International Journal of Developmental Neuroscience</i> , 2000, 18, 309-315.	1.6	25
28	Convergent Synthesis and Pharmacology of Substituted Tetrazolyl-2-amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic acid Analogues. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3438-3442.	6.4	25
29	4-Hydroxy-1,2,5-oxadiazol-3-yl Moiety as Bioisoster of the Carboxy Function. Synthesis, Ionization Constants, and Molecular Pharmacological Characterization at Ionotropic Glutamate Receptors of Compounds Related to Glutamate and Its Homologues. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4110-4118.	6.4	24
30	Studies on an (S)-2-Amino-3-(3-hydroxy-5-methyl-4-isoxazolyl)propionic Acid (AMPA) Receptor Antagonist IKM-159: Asymmetric Synthesis, Neuroactivity, and Structural Characterization. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2283-2293.	6.4	23
31	1H-Cyclopentapyrimidine-2,4(1H,3H)-dione-Related Ionotropic Glutamate Receptors Ligands. Structure-Activity Relationships and Identification of Potent and Selective iGluR5 Modulators. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6614-6618.	6.4	22
32	Crystal Structure and Pharmacological Characterization of a Novel N-Methyl-d-aspartate (NMDA) Receptor Antagonist at the GluN1 Glycine Binding Site. <i>Journal of Biological Chemistry</i> , 2013, 288, 33124-33135.	3.4	22
33	Exploring the GluR2 ligand-binding core in complex with the bicyclic AMPA analogue (S)-4-AHCP. <i>FEBS Journal</i> , 2005, 272, 1639-1648.	4.7	21
34	Effect of synthetic and natural phospholipids on N-acylphosphatidylethanolamine-hydrolyzing phospholipase D activity. <i>Chemistry and Physics of Lipids</i> , 2009, 162, 53-61.	3.2	21
35	The Glutamate Receptor GluR5 Agonist (S)-2-Amino-3-(3-hydroxy-7,8-dihydro-6H-cyclohepta[4,1-d]isoxazol-4-yl)propionic Acid and the 8-Methyl Analogue: Synthesis, Molecular Pharmacology, and Biostructural Characterization. PDB ID: 2WKY. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4911-4922.	6.4	21
36	Selective Kainate Receptor (GluK1) Ligands Structurally Based upon 1H-Cyclopentapyrimidin-2,4(1H,3H)-dione: Synthesis, Molecular Modeling, and Pharmacological and Biostructural Characterization. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4793-4805.	6.4	21

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37	Binding Mode of an $\hat{\pm}$ -Amino Acid-Linked Quinoxaline-2,3-dione Analogue at Glutamate Receptor Subtype GluK1. <i>ACS Chemical Neuroscience</i> , 2015, 6, 845-854.	3.5	21
38	Investigation of antidepressant-like and anxiolytic-like actions and cognitive and motor side effects of four N-methyl-d-aspartate receptor antagonists in mice. <i>Behavioural Pharmacology</i> , 2017, 28, 37-47.	1.7	21
39	A stereochemical anomaly: the cyclised (R)-AMPA analogue (R)-3-hydroxy-4,5,6,7-tetrahydroisoxazolo[5,4-c]pyridine-5-carboxylic acid [(R)-5-HPCA] resembles (S)-AMPA at glutamate receptors. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 206.	2.8	20
40	Biostructural and Pharmacological Studies of Bicyclic Analogues of the 3-Isoxazolol Glutamate Receptor Agonist Ibotenic Acid. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 8354-8361.	6.4	20
41	UCCB01-125, a dimeric inhibitor of PSD-95, reduces inflammatory pain without disrupting cognitive or motor performance: Comparison with the NMDA receptor antagonist MK-801. <i>Neuropharmacology</i> , 2013, 67, 193-200.	4.1	20
42	Enthalpy-Entropy Compensation in the Binding of Modulators at Ionotropic Glutamate Receptor GluA2. <i>Biophysical Journal</i> , 2016, 110, 2397-2406.	0.5	20
43	(<i>S</i>)-2-Amino-3-(5-methyl-3-hydroxyisoxazol-4-yl)propanoic Acid (AMPA) and Kainate Receptor Ligands: Further Exploration of Bioisosteric Replacements and Structural and Biological Investigation. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2124-2130.	6.4	20
44	Chemo-Enzymatic Synthesis of (2 <i>S</i> ,4 <i>R</i>)-2-Amino-4-(3-(2,2-diphenylethylamino)-3-oxopropyl)pentanedioic Acid: A Novel Selective Inhibitor of Human Excitatory Amino Acid Transporter Subtype 2. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4085-4092.	6.4	19
45	A New Phenylalanine Derivative Acts as an Antagonist at the AMPA Receptor GluA2 and Introduces Partial Domain Closure: Synthesis, Resolution, Pharmacology, and Crystal Structure. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7289-7298.	6.4	19
46	Structure-Activity Relationship Study of Ionotropic Glutamate Receptor Antagonist (2 <i>S</i> ,3 <i>R</i>)-3-(3-Carboxyphenyl)pyrrolidine-2-carboxylic Acid. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6131-6150.	6.4	19
47	Synthesis and pharmacological characterization of the selective GluK1 radioligand (S)-2-amino-3-(6- ³ H]-2,4-dioxo-3,4-dihydrothieno[3,2-d]pyrimidin-1(2H)-yl)propanoic acid ([³ H]-NF608). <i>MedChemComm</i> , 2016, 7, 2136-2144.	3.4	19
48	Discovery of a New Class of Ionotropic Glutamate Receptor Antagonists by the Rational Design of (2 <i>S</i> ,3 <i>R</i>)-3-(3-Carboxyphenyl)-pyrrolidine-2-carboxylic Acid. <i>ACS Chemical Neuroscience</i> , 2011, 2, 107-114.	3.5	18
49	Use of the 4-Hydroxytriazole Moiety as a Bioisosteric Tool in the Development of Ionotropic Glutamate Receptor Ligands. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4467-4482.	6.4	18
50	Blood-Brain Barrier Permeability and Brain Uptake Mechanism of Kainic Acid and Dihydrokainic Acid. <i>Neurochemical Research</i> , 2015, 40, 542-549.	3.3	17
51	Binding and functional pharmacological characteristics of gepant-type antagonists in rat brain and mesenteric arteries. <i>Vascular Pharmacology</i> , 2017, 90, 36-43.	2.1	17
52	Revisiting the Quinoxalinedione Scaffold in the Construction of New Ligands for the Ionotropic Glutamate Receptors. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2477-2495.	3.5	17
53	Expression of functional metabotropic and ionotropic glutamate receptors in baculovirus-infected insect cells. <i>Neuroscience Letters</i> , 1994, 173, 139-142.	2.1	16
54	3-Substituted phenylalanines as selective AMPA- and kainate receptor ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6390-6401.	3.0	16

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55	Structural basis for positive allosteric modulation of AMPA and kainate receptors. <i>Journal of Physiology</i> , 2022, 600, 181-200.	2.9	16
56	3-Hydroxypyridazine 1-oxides as carboxylate bioisosteres: A new series of subtype-selective AMPA receptor agonists. <i>Neuropharmacology</i> , 2006, 51, 52-59.	4.1	15
57	<sc>L</sc>â€Asp is a useful tool in the purification of the ionotropic glutamate receptorâA2 ligandâ€binding domain. <i>FEBS Journal</i> , 2014, 281, 2422-2430.	4.7	15
58	Structure and Affinity of Two Bicyclic Glutamate Analogues at AMPA and Kainate Receptors. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2056-2064.	3.5	15
59	Vascular and molecular pharmacology of the metabolically stable CGRP analogue, SAX. <i>European Journal of Pharmacology</i> , 2018, 829, 85-92.	3.5	15
60	Role of GluR2 expression in AMPA-induced toxicity in cultured murine cerebral cortical neurons. <i>Journal of Neuroscience Research</i> , 2001, 65, 267-277.	2.9	14
61	Pharmacological and structural characterization of conformationally restricted (S)-glutamate analogues at ionotropic glutamate receptors. <i>Journal of Structural Biology</i> , 2012, 180, 39-46.	2.8	14
62	<i>In vitro</i> and <i>in vivo</i> effects of a novel dimeric inhibitor of <sc>PSD</sc>â€95 on excitotoxicity and functional recovery after experimental traumatic brain injury. <i>European Journal of Neuroscience</i> , 2017, 45, 238-248.	2.6	14
63	Molecular mechanism of agonist recognition by the ligandâ€binding core of the ionotropic glutamate receptor 4. <i>FEBS Letters</i> , 2008, 582, 4089-4094.	2.8	13
64	Structural analysis of the positive AMPA receptor modulators CX516 and Me-CX516 in complex with the GluA2 ligand-binding domain. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1645-1652.	2.5	13
65	<i>N</i>-1-Substituted Quinoxaline-2,3-diones as Kainate Receptor Antagonists: X-ray Crystallography, Structureâ€Affinity Relationships, and <i>In Vitro</i> Pharmacology. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1841-1853.	3.5	13
66	Comparison of the agonist binding site of homomeric, heteromeric, and chimeric GluR1o and GluR3o AMPA receptors. , 1997, 49, 176-185.		12
67	Synthesis and <i>in vitro</i> pharmacology at AMPA and kainate preferring glutamate receptors of 4-heteroarylmethylidene glutamate analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4341-4349.	3.0	12
68	Pharmacological characterization of (4R)-alkyl glutamate analogues at the ionotropic glutamate receptors â€ Focus on subtypes iGlu5â€7. <i>European Journal of Pharmacology</i> , 2009, 609, 1-4.	3.5	12
69	Molecular Recognition of Two 2,4â€syn</i>â€Functionalized (<i>S</i>)â€Glutamate Analogues by the Kainate Receptor GluK3 Ligand Binding Domain. <i>ChemMedChem</i> , 2014, 9, 2254-2259.	3.2	12
70	Structural and Pharmacological Characterization of Phenylalanineâ€Based AMPA Receptor Antagonists at Kainate Receptors. <i>ChemMedChem</i> , 2012, 7, 1793-1798.	3.2	11
71	The Presence of Calcitonin Gene-Related Peptide and Its Receptors in Rat, Pig and Human Brain: Species Differences in Calcitonin Gene-Related Peptide Pharmacology. <i>Pharmacology</i> , 2019, 104, 332-341.	2.2	11
72	The Structure of a High-Affinity Kainate Receptor: GluK4 Ligand-Binding Domain Crystallized with Kainate. <i>Structure</i> , 2016, 24, 1582-1589.	3.3	10

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73	Positive allosteric modulation of \pm -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid glutamate receptors differentially modulates the behavioural effects of citalopram in mouse models of antidepressant and anxiolytic action. <i>Behavioural Pharmacology</i> , 2016, 27, 549-555.	1.7	10
74	Structural requirements for specific inhibition of microsomal aminopeptidase by mercaptoamines. <i>Archives of Biochemistry and Biophysics</i> , 1985, 239, 368-374.	3.0	9
75	Structures of the Ligand-Binding Core of iGluR2 in Complex with the Agonists (<i>R</i>)- and (<i>S</i>)-2-Amino-3-(4-hydroxy-1,2,5-thiadiazol-3-yl)propionic Acid Explain Their Unusual Equipotency. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1459-1463.	6.4	9
76	Age-related changes in GABA and benzodiazepine receptor binding in rat brain are influenced by sampling time. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1988, 12, 337-344.	4.8	8
77	A pharmacological profile of the high-affinity GluK5 kainate receptor. <i>European Journal of Pharmacology</i> , 2016, 788, 315-320.	3.5	8
78	Effects of sertraline, duloxetine, vortioxetine, and idazoxan in the rat affective bias test. <i>Psychopharmacology</i> , 2016, 233, 3763-3770.	3.1	8
79	Studies on Aryl-Substituted Phenylalanines: Synthesis, Activity, and Different Binding Modes at AMPA Receptors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 448-461.	6.4	8
80	<i>N</i> -(7-(1 <i>H</i> -imidazol-1-yl)-2,3-dioxo-6-(trifluoromethyl)-3,4-dihydroquinoxalin-1(2 <i>H</i>)-yl)benzamide, a New Kainate Receptor Selective Antagonist and Analgesic: Synthesis, X-ray Crystallography, Structure-Affinity Relationships, and in Vitro and in Vivo Pharmacology. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4685-4695.	3.5	8
81	Ionotropic Glutamate Receptor GluA2 in Complex with Bicyclic Pyrimidinedione-Based Compounds: When Small Compound Modifications Have Distinct Effects on Binding Interactions. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1791-1800.	3.5	8
82	Utilizing a C(sp ³)-H Activation Strategy and Structure-Activity Relationship Studies at the Ionotropic Glutamate Receptors. <i>ACS Chemical Neuroscience</i> , 2020, 11, 674-701.	3.5	8
83	4,4-Dimethyl- and Diastereomeric 4-Hydroxy-4-methyl-(2 <i>S</i>)-Glutamate Analogues Display Distinct Pharmacological Profiles at Ionotropic Glutamate Receptors and Excitatory Amino Acid Transporters. <i>ChemMedChem</i> , 2009, 4, 1925-1929.	3.2	7
84	Rational Design, Synthesis and Pharmacological Evaluation of the (2 <i>R</i>)- and (2 <i>S</i>)-Stereoisomers of 3-(2-Carboxypyrrolidinyl)-2-methyl Acetic Acid as Ligands for the Ionotropic Glutamate Receptors. <i>ChemMedChem</i> , 2011, 6, 498-504.	3.2	7
85	A Diversity Oriented Synthesis Approach to New 2,3- <i>trans</i> -Substituted <i>l</i> -Proline Analogs as Potential Ligands for the Ionotropic Glutamate Receptors. <i>ACS Chemical Neuroscience</i> , 2020, 11, 702-714.	3.5	7
86	Cognitive enhancing effects of an AMPA receptor positive modulator on place learning in mice. <i>Behavioural Brain Research</i> , 2012, 226, 18-25.	2.2	6
87	Design, synthesis and in vitro pharmacology of GluK1 and GluK3 antagonists. Studies towards the design of subtype-selective antagonists through 2-carboxyethyl-phenylalanines with substituents interacting with non-conserved residues in the GluK binding sites. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5368-5377.	3.0	6
88	Effects of the dimeric PSD-95 inhibitor UCCB01-144 in mouse models of pain, cognition and motor function. <i>European Journal of Pharmacology</i> , 2016, 780, 166-173.	3.5	6
89	Design and Synthesis of a Series of <i>trans</i> -4-Substituted Prolines as Selective Antagonists for the Ionotropic Glutamate Receptors Including Functional and X-ray Crystallographic Studies of New Subtype Selective Kainic Acid Receptor Subtype 1 (GluK1) Antagonist (2 <i>S</i> ,4 <i>R</i>)-4-(2-Carboxyphenoxy)pyrrolidine-2-carboxylic Acid. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 441-457.	6.4	6
90	Investigation of the presence and antinociceptive function of muscarinic acetylcholine receptors in the African naked mole-rat (<i>Heterocephalus glaber</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2016, 202, 7-15.	1.6	5

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91	Effects of Dimeric PSD-95 Inhibition on Excitotoxic Cell Death and Outcome After Controlled Cortical Impact in Rats. <i>Neurochemical Research</i> , 2017, 42, 3401-3413.	3.3	5
92	Pharmacological characterization and binding modes of novel racemic and optically active phenylalanine-based antagonists of AMPA receptors. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 874-883.	5.5	5
93	Analogues of 3-Hydroxyisoxazole-Containing Glutamate Receptor Ligands Based on the 3-Hydroxypyrazole-Moiety: Design, Synthesis and Pharmacological Characterization. <i>Neurochemical Research</i> , 2014, 39, 1895-1905.	3.3	4
94	Neto2 Influences on Kainate Receptor Pharmacology and Function. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 141-148.	2.5	4
95	Tweaking Subtype Selectivity and Agonist Efficacy at (S)-2-Amino-3-(3-hydroxy-5-methyl-isoxazol-4-yl)propionic acid (AMPA) Receptors in a Small Series of BnTetAMPA Analogues. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2244-2254.	6.4	4
96	Design and Synthesis of 2,3- <i>trans</i> -Proline Analogues as Ligands for Ionotropic Glutamate Receptors and Excitatory Amino Acid Transporters. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2989-3007.	3.5	4
97	\hat{I}^3 -Glutamyl-dipeptides: Easy tools to rapidly probe the stereoelectronic properties of the ionotropic glutamate receptor binding pocket. <i>Tetrahedron</i> , 2016, 72, 8486-8492.	1.9	3
98	Aryl- and heteroaryl-substituted phenylalanines as AMPA receptor ligands. <i>Chemical Biology and Drug Design</i> , 2017, 90, 1271-1281.	3.2	3
99	Design, synthesis and structure-activity relationships of novel phenylalanine-based amino acids as kainate receptors ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5568-5572.	2.2	2
100	Effects of the dimeric PSD-95 inhibitor UCCB01-144 on functional recovery after fimbria-fornix transection in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2017, 161, 62-67.	2.9	2
101	(<i>S</i>)-2-Mercaptohistidine: A First Selective Orthosteric GluK3 Antagonist. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1580-1587.	3.5	2
102	Molecular determinants of desensitization and assembly of the chimeric GABAA receptor subunits (\hat{I}^1/\hat{I}^2) and (\hat{I}^2/\hat{I}^1) in combinations with \hat{I}^2 and \hat{I}^3 . <i>Neurochemistry International</i> , 2001, 38, 581-592.	3.8	1