

Steven J Mennerick

List of Publications by Year in descending order

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160
papers

10,668
citations

44444

50
h-index

40945

97
g-index

166
all docs

166
docs citations

166
times ranked

12412
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological markers of rapid antidepressant effects of allopregnanolone. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13023.	1.2	5
2	Nitrous Oxide, a Rapid Antidepressant, Has Ketamine-like Effects on Excitatory Transmission in the Adult Hippocampus. <i>Biological Psychiatry</i> , 2022, 92, 964-972.	0.7	12
3	A neuroactive steroid with a therapeutically interesting constellation of actions at GABAA and NMDA receptors. <i>Neuropharmacology</i> , 2021, 183, 108358.	2.0	6
4	Oxysterols Modulate the Acute Effects of Ethanol on Hippocampal α -Methyl-d-Aspartate Receptors, Long-Term Potentiation, and Learning. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 377, 181-188.	1.3	7
5	Sex Differences in the Role of CNH3 on Spatial Memory and Synaptic Plasticity. <i>Biological Psychiatry</i> , 2021, 90, 766-780.	0.7	10
6	A Proinflammatory Stimulus Disrupts Hippocampal Plasticity and Learning via Microglial Activation and 25-Hydroxycholesterol. <i>Journal of Neuroscience</i> , 2021, 41, 10054-10064.	1.7	27
7	Cognitive deficits and impaired hippocampal long-term potentiation in K^+ -ATP-induced DEND syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	5
8	Pharmacological and Biophysical Characteristics of Picrotoxin-Resistant, α -Subunit-Containing GABAA Receptors. <i>Frontiers in Synaptic Neuroscience</i> , 2021, 13, 763411.	1.3	1
9	Effects of CYP46A1 Inhibition on Long-Term-Depression in Hippocampal Slices <i>ex vivo</i> and 24S-Hydroxycholesterol Levels in Mice <i>in vivo</i> . <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 568641.	1.4	12
10	α -subunit-containing GABA A IPSCs are driven by both synaptic and diffusional GABA in mouse dentate granule neurons. <i>Journal of Physiology</i> , 2020, 598, 1205-1221.	1.3	10
11	Lack of Neurosteroid Selectivity at α vs. β -Containing GABAA Receptors in Dentate Granule Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 6.	1.4	12
12	Mild chronic perturbation of inhibition severely alters hippocampal function. <i>Scientific Reports</i> , 2019, 9, 16431.	1.6	4
13	Neurosteroids as novel antidepressants and anxiolytics: GABA-A receptors and beyond. <i>Neurobiology of Stress</i> , 2019, 11, 100196.	1.9	249
14	Visualizing pregnenolone sulfate-like modulators of NMDA receptor function reveals intracellular and plasma-membrane localization. <i>Neuropharmacology</i> , 2019, 144, 91-103.	2.0	9
15	Positive Allosteric Modulation as a Potential Therapeutic Strategy in Anti-NMDA Receptor Encephalitis. <i>Journal of Neuroscience</i> , 2018, 38, 3218-3229.	1.7	39
16	A Clickable Oxysterol Photolabel Retains NMDA Receptor Activity and Accumulates in Neurons. <i>Frontiers in Neuroscience</i> , 2018, 12, 923.	1.4	4
17	P1494: TRACKING THE INTRACELLULAR ITINERARY OF APP AND <i>DE NOVO</i> AMYLOID BETA GENERATION USING CLICK CHEMISTRY. <i>Alzheimer's and Dementia</i> , 2018, 14, P353.	0.4	0
18	Chemogenetic Isolation Reveals Synaptic Contribution of α -GABA Receptors in Mouse Dentate Granule Neurons. <i>Journal of Neuroscience</i> , 2018, 38, 8128-8145.	1.7	21

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19	Enhanced GABAergic actions resulting from the coapplication of the steroid 3 α -hydroxy-5 α -pregnane-11,20-dione (alfaxalone) with propofol or diazepam. <i>Scientific Reports</i> , 2018, 8, 10341.	1.6	26
20	Ambient but not local lactate underlies neuronal tolerance to prolonged glucose deprivation. <i>PLoS ONE</i> , 2018, 13, e0195520.	1.1	10
21	Differential Presynaptic ATP Supply for Basal and High-Demand Transmission. <i>Journal of Neuroscience</i> , 2017, 37, 1888-1899.	1.7	55
22	Contributions of space-clamp errors to apparent time-dependent loss of Mg ²⁺ block induced by NMDA. <i>Journal of Neurophysiology</i> , 2017, 118, 532-543.	0.9	0
23	24S-hydroxycholesterol and 25-hydroxycholesterol differentially impact hippocampal neuronal survival following oxygen-glucose deprivation. <i>PLoS ONE</i> , 2017, 12, e0174416.	1.1	29
24	Endogenous 24 <i>S</i> -hydroxycholesterol modulates NMDAR-mediated function in hippocampal slices. <i>Journal of Neurophysiology</i> , 2016, 115, 1263-1272.	0.9	53
25	A Clickable Analogue of Ketamine Retains NMDA Receptor Activity, Psychoactivity, and Accumulates in Neurons. <i>Scientific Reports</i> , 2016, 6, 38808.	1.6	13
26	Correcting mitochondrial fusion by manipulating mitofusin conformations. <i>Nature</i> , 2016, 540, 74-79.	13.7	190
27	Ketamine: NMDA Receptors and Beyond. <i>Journal of Neuroscience</i> , 2016, 36, 11158-11164.	1.7	147
28	A complement μ microglial axis drives synapse loss during virus-induced memory impairment. <i>Nature</i> , 2016, 534, 538-543.	13.7	534
29	A clickable neurosteroid photolabel reveals selective Golgi compartmentalization with preferential impact on proximal inhibition. <i>Neuropharmacology</i> , 2016, 108, 193-206.	2.0	19
30	Comparison of Steroid Modulation of Spontaneous Inhibitory Postsynaptic Currents in Cultured Hippocampal Neurons and Steady-State Single-Channel Currents from Heterologously Expressed α 1, α 2, α 3 2L GABA _A Receptors. <i>Molecular Pharmacology</i> , 2016, 89, 399-406.	1.0	7
31	24(S)-Hydroxycholesterol as a Modulator of Neuronal Signaling and Survival. <i>Neuroscientist</i> , 2016, 22, 132-144.	2.6	75
32	Treatment-Resistant Major Depression: Rationale for NMDA Receptors as Targets and Nitrous Oxide as Therapy. <i>Frontiers in Psychiatry</i> , 2015, 6, 172.	1.3	43
33	Loss of Local Astrocyte Support Disrupts Action Potential Propagation and Glutamate Release Synchrony from Unmyelinated Hippocampal Axon Terminals In Vitro. <i>Journal of Neuroscience</i> , 2015, 35, 11105-11117.	1.7	19
34	Quantification of bursting and synchrony in cultured hippocampal neurons. <i>Journal of Neurophysiology</i> , 2015, 114, 1059-1071.	0.9	29
35	Interaction between positive allosteric modulators and trapping blockers of the NMDA receptor channel. <i>British Journal of Pharmacology</i> , 2015, 172, 1333-1347.	2.7	29
36	α 3-Aminobutyric Acid Type A α 4, α 2, and α Subunits Assemble to Produce More Than One Functionally Distinct Receptor Type. <i>Molecular Pharmacology</i> , 2014, 86, 647-656.	1.0	35

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37	The neurosteroid 5 α -pregnan-20-one enhances actions of etomidate as a positive allosteric modulator of γ -aminobutyric acid (GABA) receptors. <i>British Journal of Pharmacology</i> , 2014, 171, 5446-5457.	2.7	21
38	Phosphatidylinositol 4,5-bisphosphate depletion fails to affect neurosteroid modulation of GABA _A receptor function. <i>Psychopharmacology</i> , 2014, 231, 3493-3501.	1.5	4
39	Acute and chronic effects of ethanol on learning-related synaptic plasticity. <i>Alcohol</i> , 2014, 48, 1-17.	0.8	135
40	Fast Phasic Release Properties of Dopamine Studied with a Channel Biosensor. <i>Journal of Neuroscience</i> , 2014, 34, 11792-11802.	1.7	16
41	Neurosteroid Analogues. 18. Structure-Activity Studies of Δ^4 -Steroid Potentiators of γ -Aminobutyric Acid Type A Receptors and Comparison of Their Activities with Those of Alloxalone and Allopregnanolone. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 171-190.	2.9	28
42	11-trifluoromethyl-phenyldiaziriny neurosteroid analogues: potent general anesthetics and photolabeling reagents for GABA _A receptors. <i>Psychopharmacology</i> , 2014, 231, 3479-3491.	1.5	12
43	A Mechanism Regulating G Protein-coupled Receptor Signaling That Requires Cycles of Protein Palmitoylation and Depalmitoylation. <i>Journal of Biological Chemistry</i> , 2014, 289, 6249-6257.	1.6	36
44	Different oxysterols have opposing actions at N-methyl-d-aspartate receptors. <i>Neuropharmacology</i> , 2014, 85, 232-242.	2.0	69
45	The Major Brain Cholesterol Metabolite 24(S)-Hydroxycholesterol Is a Potent Allosteric Modulator of γ -Methyl-d-Aspartate Receptors. <i>Journal of Neuroscience</i> , 2013, 33, 17290-17300.	1.7	204
46	Indistinguishable Synaptic Pharmacodynamics of the γ -Methyl-d-Aspartate Receptor Channel Blockers Memantine and Ketamine. <i>Molecular Pharmacology</i> , 2013, 84, 935-947.	1.0	55
47	Neurosteroids, stress and depression: Potential therapeutic opportunities. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 109-122.	2.9	158
48	Detection of submillisecond spike timing differences based on delay-line anticoincidence detection. <i>Journal of Neurophysiology</i> , 2013, 110, 2295-2311.	0.9	23
49	Noncompetitive, Voltage-Dependent NMDA Receptor Antagonism by Hydrophobic Anions. <i>Molecular Pharmacology</i> , 2013, 83, 354-366.	1.0	12
50	Neurosteroids as Therapeutic Leads in Psychiatry. <i>JAMA Psychiatry</i> , 2013, 70, 659.	6.0	20
51	Retrograde Fluorescent Labeling Allows for Targeted Extracellular Single-unit Recording from Identified Neurons & In vivo. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	11
52	GIRK channel modulation by assembly with allosterically regulated RGS proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19977-19982.	3.3	38
53	Astrocyte-Derived Thrombospondins Mediate the Development of Hippocampal Presynaptic Plasticity <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2012, 32, 13100-13110.	1.7	51
54	Cross talk between synaptic receptors mediates NMDA-induced suppression of inhibition. <i>Journal of Neurophysiology</i> , 2012, 107, 2532-2540.	0.9	7

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55	Synaptic NMDA Receptors Mediate Hypoxic Excitotoxic Death. <i>Journal of Neuroscience</i> , 2012, 32, 6732-6742.	1.7	122
56	Characteristics of concatemeric GABA _A receptors containing $\hat{\alpha}4/\hat{\alpha}$ subunits expressed in <i>Xenopus</i> oocytes. <i>British Journal of Pharmacology</i> , 2012, 165, 2228-2243.	2.7	43
57	Presynaptically Silent Synapses. <i>Neuroscientist</i> , 2012, 18, 216-223.	2.6	32
58	Differential Requirement for Protein Synthesis in Presynaptic Unmuting and Muting in Hippocampal Glutamate Terminals. <i>PLoS ONE</i> , 2012, 7, e51930.	1.1	7
59	Neurosteroid Analogues. 17. Inverted Binding Orientations of Androsterone Enantiomers at the Steroid Potentiation Site on $\hat{\alpha}3$ -Aminobutyric Acid Type A Receptors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1334-1345.	2.9	20
60	Calcium-Independent Inhibitory G-Protein Signaling Induces Persistent Presynaptic Muting of Hippocampal Synapses. <i>Journal of Neuroscience</i> , 2011, 31, 979-991.	1.7	18
61	Neurosteroid Analogues. 16. A New Explanation for the Lack of Anesthetic Effects of $\hat{\alpha}^{16}$ -Alphaxalone and Identification of a $\hat{\alpha}^{17(20)}$ Analogue with Potent Anesthetic Activity. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3926-3934.	2.9	5
62	Excitotoxicity Triggered by Neurobasal Culture Medium. <i>PLoS ONE</i> , 2011, 6, e25633.	1.1	40
63	Differential Effects of Axon Initial Segment and Somatodendritic GABA _A Receptors on Excitability Measures in Rat Dentate Granule Neurons. <i>Journal of Neurophysiology</i> , 2011, 105, 366-379.	0.9	17
64	Hydrophobic anions potently and uncompetitively antagonize GABA A receptor function in the absence of a conventional binding site. <i>British Journal of Pharmacology</i> , 2011, 164, 667-680.	2.7	17
65	Don't curse the darkness, light a candle: fluorescence studies of axon excitability. <i>Journal of Physiology</i> , 2011, 589, 4087-4087.	1.3	0
66	Presynaptic silencing is an endogenous neuroprotectant during excitotoxic insults. <i>Neurobiology of Disease</i> , 2011, 43, 516-525.	2.1	24
67	Nicotinamide mononucleotide adenylyl transferase 1 protects against acute neurodegeneration in developing CNS by inhibiting excitotoxic-necrotic cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19054-19059.	3.3	52
68	Input-output: The Role of Undergraduate Curriculum in Successful Graduate Training in the Neurosciences. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2011, 10, E2-6.	0.6	4
69	Axonal sodium channel distribution shapes the depolarized action potential threshold of dentate granule neurons. <i>Hippocampus</i> , 2010, 20, 558-571.	0.9	49
70	Presynaptically Silent Synapses Studied with Light Microscopy. <i>Journal of Visualized Experiments</i> , 2010, . .	0.2	11
71	Neurosteroid analogues. 15. A comparative study of the anesthetic and GABAergic actions of alphaxalone, $\hat{\alpha}^{16}$ -alphaxalone and their corresponding 17-carbonitrile analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6680-6684.	1.0	15
72	Structurally diverse amphiphiles exhibit biphasic modulation of GABA _A receptors: similarities and differences with neurosteroid actions. <i>British Journal of Pharmacology</i> , 2010, 160, 130-141.	2.7	19

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73	Kinetic and Structural Determinants for GABA-A Receptor Potentiation by Neuroactive Steroids. <i>Current Neuropharmacology</i> , 2010, 8, 18-25.	1.4	21
74	Rapid Activation of Dormant Presynaptic Terminals by Phorbol Esters. <i>Journal of Neuroscience</i> , 2010, 30, 10048-10060.	1.7	8
75	A Synthetic 18-Norsteroid Distinguishes between Two Neuroactive Steroid Binding Sites on GABA _A Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 404-413.	1.3	22
76	Magnesium induces neuronal apoptosis by suppressing excitability. <i>Cell Death and Disease</i> , 2010, 1, e63-e63.	2.7	36
77	Dynamic Modulation of Phasic and Asynchronous Glutamate Release in Hippocampal Synapses. <i>Journal of Neurophysiology</i> , 2010, 103, 392-401.	0.9	14
78	Diverse Voltage-Sensitive Dyes Modulate GABA _A Receptor Function. <i>Journal of Neuroscience</i> , 2010, 30, 2871-2879.	1.7	67
79	The sticky issue of neurosteroids and GABA _A receptors. <i>Trends in Neurosciences</i> , 2010, 33, 299-306.	4.2	89
80	The Influence of Neuroactive Steroid Lipophilicity on GABA _A Receptor Modulation: Evidence for a Low-Affinity Interaction. <i>Journal of Neurophysiology</i> , 2009, 102, 1254-1264.	0.9	56
81	Adenylyl Cyclases 1 and 8 Initiate a Presynaptic Homeostatic Response to Ethanol Treatment. <i>PLoS ONE</i> , 2009, 4, e5697.	1.1	42
82	Photodynamic Effects of Steroid-Conjugated Fluorophores on GABA _A Receptors. <i>Molecular Pharmacology</i> , 2009, 76, 754-765.	1.0	3
83	Dimethyl sulfoxide (DMSO) produces widespread apoptosis in the developing central nervous system. <i>Neurobiology of Disease</i> , 2009, 34, 1-10.	2.1	184
84	The influence of the membrane on neurosteroid actions at GABA _A receptors. <i>Psychoneuroendocrinology</i> , 2009, 34, S59-S66.	1.3	44
85	NMDA potentiation by visible light in the presence of a fluorescent neurosteroid analogue. <i>Journal of Physiology</i> , 2009, 587, 2937-2947.	1.3	6
86	Action potential initiation and propagation: Upstream influences on neurotransmission. <i>Neuroscience</i> , 2009, 158, 211-222.	1.1	103
87	Comparative Effects of Heterologous TRPV1 and TRPM8 Expression in Rat Hippocampal Neurons. <i>PLoS ONE</i> , 2009, 4, e8166.	1.1	23
88	Neurosteroid analogues. 12. Potent enhancement of GABA-mediated chloride currents at GABA _A receptors by ent-androgens. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 107-113.	2.6	30
89	Effects on Membrane Capacitance of Steroids with Antagonist Properties at GABA _A Receptors. <i>Biophysical Journal</i> , 2008, 95, 176-185.	0.2	16
90	Endocytosis Is Required for Synaptic Activity-Dependent Release of Amyloid- β In Vivo. <i>Neuron</i> , 2008, 58, 42-51.	3.8	535

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91	Neurosteroid Analogues. 14. Alternative Ring System Scaffolds: GABA Modulatory and Anesthetic Actions of Cyclopenta[b]phenanthrenes and Cyclopenta[b]anthracenes. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1309-1318.	2.9	11
92	A Specific Role for Ca ²⁺ -Dependent Adenylyl Cyclases in Recovery from Adaptive Presynaptic Silencing. <i>Journal of Neuroscience</i> , 2008, 28, 5159-5168.	1.7	49
93	High Threshold, Proximal Initiation, and Slow Conduction Velocity of Action Potentials in Dentate Granule Neuron Mossy Fibers. <i>Journal of Neurophysiology</i> , 2008, 100, 281-291.	0.9	71
94	Actions of Anesthetics on Excitatory Transmitter-Gated Channels. , 2008, , 53-84.		17
95	Synaptic Transmission Dynamically Modulates Interstitial Fluid Amyloid- β^2 Levels. <i>Research and Perspectives in Alzheimer's Disease</i> , 2008, , 133-143.	0.1	1
96	Vesicle Pool Heterogeneity at Hippocampal Glutamate and GABA Synapses. <i>Journal of Neuroscience</i> , 2007, 27, 9846-9854.	1.7	52
97	Action Potential Initiation and Propagation in CA3 Pyramidal Axons. <i>Journal of Neurophysiology</i> , 2007, 97, 3460-3472.	0.9	146
98	Astrocyte membrane responses and potassium accumulation during neuronal activity. <i>Hippocampus</i> , 2007, 17, 1100-1108.	0.9	58
99	Neurosteroid migration to intracellular compartments reduces steroid concentration in the membrane and diminishes GABA α receptor potentiation. <i>Journal of Physiology</i> , 2007, 584, 789-800.	1.3	36
100	Anticonvulsant and anesthetic effects of a fluorescent neurosteroid analog activated by visible light. <i>Nature Neuroscience</i> , 2007, 10, 523-530.	7.1	21
101	Cyclodextrins sequester neuroactive steroids and differentiate mechanisms that rate limit steroid actions. <i>British Journal of Pharmacology</i> , 2007, 150, 164-175.	2.7	34
102	Antagonism of neurosteroid modulation of native β^3 -aminobutyric acid receptors by (3 β ,5 β)-17-phenylandrosterone-16-en-3-ol. <i>European Journal of Pharmacology</i> , 2007, 572, 94-101.	1.7	13
103	Mechanisms of neurosteroid interactions with GABA α receptors. , 2007, 116, 35-57.		136
104	Neurosteroid Analogues. 11. Alternative Ring System Scaffolds: β^3 -Aminobutyric Acid Receptor Modulation and Anesthetic Actions of Benz[f]indenes. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 4595-4605.	2.9	13
105	Homeostatic Regulation of Glutamate Release in Response to Depolarization. <i>Molecular Neurobiology</i> , 2006, 33, 133-154.	1.9	21
106	A spontaneous tonic chloride conductance in solitary glutamatergic hippocampal neurons. <i>Brain Research</i> , 2006, 1118, 66-74.	1.1	6
107	Synaptic Vesicles: Turning Reluctance Into Action. <i>Neuroscientist</i> , 2006, 12, 11-15.	2.6	12
108	Linkage between cellular communications, energy utilization, and proliferation in metastatic neuroendocrine cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12505-12510.	3.3	34

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109	Physiological Activity Depresses Synaptic Function through an Effect on Vesicle Priming. <i>Journal of Neuroscience</i> , 2006, 26, 6618-6626.	1.7	49
110	Action potential fidelity during normal and epileptiform activity in paired soma-axon recordings from rat hippocampus. <i>Journal of Physiology</i> , 2005, 566, 425-441.	1.3	81
111	Calcium-Stimulated Adenylyl Cyclases Modulate Ethanol-Induced Neurodegeneration in the Neonatal Brain. <i>Journal of Neuroscience</i> , 2005, 25, 2376-2385.	1.7	38
112	Neurosteroid Access to the GABAA Receptor. <i>Journal of Neuroscience</i> , 2005, 25, 11605-11613.	1.7	144
113	Reluctant Vesicles Contribute to the Total Readily Releasable Pool in Glutamatergic Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2005, 25, 3842-3850.	1.7	138
114	An integrated functional genomics and metabolomics approach for defining poor prognosis in human neuroendocrine cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9901-9906.	3.3	102
115	Neurosteroid Analogues. 10. The Effect of Methyl Group Substitution at the C-6 and C-7 Positions on the GABA Modulatory and Anesthetic Actions of (3 β ,5 α)- and (3 β ,5 β)-3-Hydroxypregnan-20-one. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3051-3059.	2.9	19
116	New evidence that both T-type calcium channels and GABAA channels are responsible for the potent peripheral analgesic effects of 5 α -reduced neuroactive steroids. <i>Pain</i> , 2005, 114, 429-443.	2.0	121
117	Reluctant Vesicles Coaxed into the Limelight. <i>Neuron</i> , 2005, 46, 523-525.	3.8	2
118	Synaptic Activity Regulates Interstitial Fluid Amyloid- β Levels In Vivo. <i>Neuron</i> , 2005, 48, 913-922.	3.8	1,060
119	Astrocytes exert a pro-apoptotic effect on neurons in postnatal hippocampal cultures. <i>Neuroscience</i> , 2005, 131, 349-358.	1.1	12
120	Selective Effects of Potassium Elevations on Glutamate Signaling and Action Potential Conduction in Hippocampus. <i>Journal of Neuroscience</i> , 2004, 24, 197-206.	1.7	86
121	Selective Antagonism of 5 α -Reduced Neurosteroid Effects at GABAA Receptors. <i>Molecular Pharmacology</i> , 2004, 65, 1191-1197.	1.0	81
122	Neuroactive Steroid Interactions with Voltage-Dependent Anion Channels: Lack of Relationship to GABAA Receptor Modulation and Anesthesia. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 502-511.	1.3	34
123	Slow Actions of Neuroactive Steroids at GABAA Receptors. <i>Journal of Neuroscience</i> , 2004, 24, 6667-6675.	1.7	102
124	Plastic Elimination of Functional Glutamate Release Sites by Depolarization. <i>Neuron</i> , 2004, 42, 423-435.	3.8	55
125	Impaired glial glutamate transport in a mouse tuberous sclerosis epilepsy model. <i>Annals of Neurology</i> , 2003, 54, 251-256.	2.8	176
126	Activation-Dependent Properties of Pregnenolone Sulfate Inhibition of GABA A Receptor-Mediated Current. <i>Journal of Physiology</i> , 2003, 550, 679-691.	1.3	62

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127	Neurosteroid Analogues. 9. Conformationally Constrained Pregnanes: Structure-Activity Studies of 13,24-Cyclo-18,21-dinorcholane Analogues of the GABA Modulatory and Anesthetic Steroids (3 β ,5 α)- and (3 β ,5 β)-3-Hydroxypregnan-20-one. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5334-5348.	2.9	31
128	Feeding Hungry Neurons. <i>Neuron</i> , 2003, 37, 187-189.	3.8	12
129	Photoaffinity Labeling with a Neuroactive Steroid Analogue. <i>Journal of Biological Chemistry</i> , 2003, 278, 13196-13206.	1.6	70
130	Homeostatic Effects of Depolarization on Ca ²⁺ Influx, Synaptic Signaling, and Survival. <i>Journal of Neuroscience</i> , 2003, 23, 1825-1831.	1.7	44
131	Potential and Inhibition of GABAA Receptor Function by Neuroactive Steroids. <i>Frontiers in Neuroscience</i> , 2003, , .	0.0	2
132	Neuroprotective agent riluzole potentiates postsynaptic GABAA receptor function. <i>Neuropharmacology</i> , 2002, 42, 199-209.	2.0	68
133	Ethanol-Induced Death of Postnatal Hippocampal Neurons. <i>Neurobiology of Disease</i> , 2002, 10, 396-409.	2.1	43
134	3 β -Hydroxypregnane Steroids Are Pregnenolone Sulfate-Like GABAAR Receptor Antagonists. <i>Journal of Neuroscience</i> , 2002, 22, 3366-3375.	1.7	141
135	Contribution of Presynaptic Na ⁺ Channel Inactivation to Paired-Pulse Synaptic Depression in Cultured Hippocampal Neurons. <i>Journal of Neurophysiology</i> , 2002, 87, 925-936.	0.9	53
136	Recent developments in structure-activity relationships for steroid modulators of GABAA receptors. <i>Brain Research Reviews</i> , 2001, 37, 91-97.	9.1	73
137	Redox Modulation of T-Type Calcium Channels in Rat Peripheral Nociceptors. <i>Neuron</i> , 2001, 31, 75-85.	3.8	230
138	Basal levels of adenosine modulate mGluR5 on rat hippocampal astrocytes. <i>Glia</i> , 2001, 33, 24-35.	2.5	24
139	Neural Activity and Survival in the Developing Nervous System. <i>Molecular Neurobiology</i> , 2000, 22, 041-054.	1.9	111
140	Pregnenolone Sulfate Modulates Inhibitory Synaptic Transmission by Enhancing GABA _A Receptor Desensitization. <i>Journal of Neuroscience</i> , 2000, 20, 3571-3579.	1.7	93
141	Slow Death of Postnatal Hippocampal Neurons by GABAAR Receptor Overactivation. <i>Journal of Neuroscience</i> , 2000, 20, 3147-3156.	1.7	45
142	Neurosteroid Analogues. 8. Structure-Activity Studies of N-Acylated 17 α -Aza-D-homosteroid Analogues of the Anesthetic Steroids (3 β ,5 α)- and (3 β ,5 β)-3-Hydroxypregnan-20-one. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 3201-3204.	2.9	24
143	Selective Depression of Low-Release Probability Excitatory Synapses by Sodium Channel Blockers. <i>Neuron</i> , 2000, 26, 671-682.	3.8	100
144	Substrate Turnover by Transporters Curtails Synaptic Glutamate Transients. <i>Journal of Neuroscience</i> , 1999, 19, 9242-9251.	1.7	98

#	ARTICLE	IF	CITATIONS
145	Pregnenolone sulfate and dehydroepiandrosterone sulfate inhibit GABA-gated chloride currents in <i>Xenopus</i> oocytes expressing picrotoxin-insensitive GABA _A receptors. <i>Neuropharmacology</i> , 1999, 38, 267-271.	2.0	55
146	Nitrous oxide (laughing gas) is an NMDA antagonist, neuroprotectant and neurotoxin. <i>Nature Medicine</i> , 1998, 4, 460-463.	15.2	633
147	Temporal ordering of pathogenic events following transient global ischemia. <i>Brain Research</i> , 1998, 790, 1-13.	1.1	53
148	Enantioselective modulation of GABAergic synaptic transmission by steroids and benz[e]indenes in hippocampal microcultures. , 1998, 29, 162-171.		30
149	[43] Measurement of glial transport currents in microcultures: Application to excitatory neurotransmission. <i>Methods in Enzymology</i> , 1998, 296, 632-645.	0.4	2
150	Effect of Nitrous Oxide on Excitatory and Inhibitory Synaptic Transmission in Hippocampal Cultures. <i>Journal of Neuroscience</i> , 1998, 18, 9716-9726.	1.7	181
151	Rapid calcium-current kinetics in synaptic terminals of goldfish retinal bipolar neurons. <i>Visual Neuroscience</i> , 1998, 15, 1051-1056.	0.5	21
152	Neuronal Expression of the Glutamate Transporter GLT-1 in Hippocampal Microcultures. <i>Journal of Neuroscience</i> , 1998, 18, 4490-4499.	1.7	140
153	Static and Dynamic Membrane Properties of Large-Terminal Bipolar Cells From Goldfish Retina: Experimental Test of a Compartment Model. <i>Journal of Neurophysiology</i> , 1997, 78, 51-62.	0.9	44
154	Ultrafast Exocytosis Elicited by Calcium Current in Synaptic Terminals of Retinal Bipolar Neurons. <i>Neuron</i> , 1996, 17, 1241-1249.	3.8	233
155	Components of glial responses to exogenous and synaptic glutamate in rat hippocampal microcultures. <i>Journal of Neuroscience</i> , 1996, 16, 55-64.	1.7	70
156	Assessment of Synaptic Effects of Nitric Oxide in Hippocampal Neurons. <i>Methods in Neurosciences</i> , 1996, 31, 282-299.	0.5	12
157	Swelling of Müller cells induced by AP3 and glutamate transport substrates in rat retina. , 1996, 17, 285-293.		22
158	Pharmacological and physiological properties of a putative ganglionic nicotinic receptor, $\hat{1}\pm 3\hat{1}^{24}$, expressed in transfected eucaryotic cells. <i>Molecular Brain Research</i> , 1995, 28, 101-109.	2.5	59
159	Glial contributions to excitatory neurotransmission in cultured hippocampal cells. <i>Nature</i> , 1994, 368, 59-62.	13.7	317
160	Studies of Glial Glutamate Transporters in Hippocampal Microcultures. , 0, , 217-238.		0