Steven J Mennerick

List of Publications by Year
in descending order

160 papers	10,668 citations	38742 50 h-index	36028 97 g-index
166 all docs	166 docs citations	166 times ranked	11260 citing authors

#	Article	IF	Citations
1	Synaptic Activity Regulates Interstitial Fluid Amyloid-Î² Levels In Vivo. Neuron, 2005, 48, 913-922.	8.1	1,060
2	Nitrous oxide (laughing gas) is an NMDA antagonist, neuroprotectant and neurotoxin. Nature Medicine, 1998, 4, 460-463.	30.7	633
3	Endocytosis Is Required for Synaptic Activity-Dependent Release of Amyloid-Î² In Vivo. Neuron, 2008, 58, 42-51.	8.1	535
4	A complementâ€“microglial axis drives synapse loss during virus-induced memory impairment. Nature, 2016, 534, 538-543.	27.8	534
5	Glial contributions to excitatory neurotransmission in cultured hippocampal cells. Nature, 1994, 368, 59-62.	27.8	317
6	Neurosteroids as novel antidepressants and anxiolytics: GABA-A receptors and beyond. Neurobiology of Stress, 2019, 11, 100196.	4.0	249
7	Ultrafast Exocytosis Elicited by Calcium Current in Synaptic Terminals of Retinal Bipolar Neurons. Neuron, 1996, 17, 1241-1249.	8.1	233
8	Redox Modulation of T-Type Calcium Channels in Rat Peripheral Nociceptors. Neuron, 2001, 31, 75-85.	8.1	230
9	The Major Brain Cholesterol Metabolite 24(S)-Hydroxycholesterol Is a Potent Allosteric Modulator of<i>N</i>-Methyl-d-Aspartate Receptors. Journal of Neuroscience, 2013, 33, 17290-17300.	3.6	204
10	Correcting mitochondrial fusion by manipulating mitofusin conformations. Nature, 2016, 540, 74-79.	27.8	190
11	Dimethyl sulfoxide (DMSO) produces widespread apoptosis in the developing central nervous system. Neurobiology of Disease, 2009, 34, 1-10.	4.4	184
12	Effect of Nitrous Oxide on Excitatory and Inhibitory Synaptic Transmission in Hippocampal Cultures. Journal of Neuroscience, 1998, 18, 9716-9726.	3.6	181
13	Impaired glial glutamate transport in a mouse tuberous sclerosis epilepsy model. Annals of Neurology, 2003, 54, 251-256.	5.3	176
14	Neurosteroids, stress and depression: Potential therapeutic opportunities. Neuroscience and Biobehavioral Reviews, 2013, 37, 109-122.	6.1	158
15	Ketamine: NMDA Receptors and Beyond. Journal of Neuroscience, 2016, 36, 11158-11164.	3.6	147
16	Action Potential Initiation and Propagation in CA3 Pyramidal Axons. Journal of Neurophysiology, 2007, 97, 3460-3472.	1.8	146
17	Neurosteroid Access to the GABAA Receptor. Journal of Neuroscience, 2005, 25, 11605-11613.	3.6	144
18	3Î²-Hydroxypregnane Steroids Are Pregnenolone Sulfate-Like GABAAReceptor Antagonists. Journal of Neuroscience, 2002, 22, 3366-3375.	3.6	141

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19	Neuronal Expression of the Glutamate Transporter GLT-1 in Hippocampal Microcultures. Journal of Neuroscience, 1998, 18, 4490-4499.	3.6	140
20	Reluctant Vesicles Contribute to the Total Readily Releasable Pool in Glutamatergic Hippocampal Neurons. Journal of Neuroscience, 2005, 25, 3842-3850.	3.6	138
21	Mechanisms of neurosteroid interactions with GABAA receptors. , 2007, 116, 35-57.		136
22	Acute and chronic effects of ethanol on learning-related synaptic plasticity. Alcohol, 2014, 48, 1-17.	1.7	135
23	Synaptic NMDA Receptors Mediate Hypoxic Excitotoxic Death. Journal of Neuroscience, 2012, 32, 6732-6742.	3.6	122
24	New evidence that both T-type calcium channels and GABAA channels are responsible for the potent peripheral analgesic effects of 5Î±-reduced neuroactive steroids. Pain, 2005, 114, 429-443.	4.2	121
25	Neural Activity and Survival in the Developing Nervous System. Molecular Neurobiology, 2000, 22, 041-054.	4.0	111
26	Action potential initiation and propagation: Upstream influences on neurotransmission. Neuroscience, 2009, 158, 211-222.	2.3	103
27	Slow Actions of Neuroactive Steroids at GABAA Receptors. Journal of Neuroscience, 2004, 24, 6667-6675.	3.6	102
28	An integrated functional genomics and metabolomics approach for defining poor prognosis in human neuroendocrine cancers. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9901-9906.	7.1	102
29	Selective Depression of Lowâ€“Release Probability Excitatory Synapses by Sodium Channel Blockers. Neuron, 2000, 26, 671-682.	8.1	100
30	Substrate Turnover by Transporters Curtails Synaptic Glutamate Transients. Journal of Neuroscience, 1999, 19, 9242-9251.	3.6	98
31	Pregnenolone Sulfate Modulates Inhibitory Synaptic Transmission by Enhancing GABA_AReceptor Desensitization. Journal of Neuroscience, 2000, 20, 3571-3579.	3.6	93
32	The sticky issue of neurosteroids and GABAA receptors. Trends in Neurosciences, 2010, 33, 299-306.	8.6	89
33	Selective Effects of Potassium Elevations on Glutamate Signaling and Action Potential Conduction in Hippocampus. Journal of Neuroscience, 2004, 24, 197-206.	3.6	86
34	Selective Antagonism of 5Î±-Reduced Neurosteroid Effects at GABAA Receptors. Molecular Pharmacology, 2004, 65, 1191-1197.	2.3	81
35	Action potential fidelity during normal and epileptiform activity in paired soma-axon recordings from rat hippocampus. Journal of Physiology, 2005, 566, 425-441.	2.9	81
36	24(S)-Hydroxycholesterol as a Modulator of Neuronal Signaling and Survival. Neuroscientist, 2016, 22, 132-144.	3.5	75

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37	Recent developments in structureâ€“activity relationships for steroid modulators of GABAA receptors. Brain Research Reviews, 2001, 37, 91-97.	9.0	73
38	High Threshold, Proximal Initiation, and Slow Conduction Velocity of Action Potentials in Dentate Granule Neuron Mossy Fibers. Journal of Neurophysiology, 2008, 100, 281-291.	1.8	71
39	Components of glial responses to exogenous and synaptic glutamate in rat hippocampal microcultures. Journal of Neuroscience, 1996, 16, 55-64.	3.6	70
40	Photoaffinity Labeling with a Neuroactive Steroid Analogue. Journal of Biological Chemistry, 2003, 278, 13196-13206.	3.4	70
41	Different oxysterols have opposing actions at N-methyl-d-aspartate receptors. Neuropharmacology, 2014, 85, 232-242.	4.1	69
42	Neuroprotective agent riluzole potentiates postsynaptic GABAA receptor function. Neuropharmacology, 2002, 42, 199-209.	4.1	68
43	Diverse Voltage-Sensitive Dyes Modulate GABA_AReceptor Function. Journal of Neuroscience, 2010, 30, 2871-2879.	3.6	67
44	Activationâ€Dependent Properties of Pregnenolone Sulfate Inhibition of GABA A Receptorâ€Mediated Current. Journal of Physiology, 2003, 550, 679-691.	2.9	62
45	Pharmacological and physiological properties of a putative ganglionic nicotinic receptor, Î±3Î²4, expressed in transfected eucaryotic cells. Molecular Brain Research, 1995, 28, 101-109.	2.3	59
46	Astrocyte membrane responses and potassium accumulation during neuronal activity. Hippocampus, 2007, 17, 1100-1108.	1.9	58
47	The Influence of Neuroactive Steroid Lipophilicity on GABA_AReceptor Modulation: Evidence for a Low-Affinity Interaction. Journal of Neurophysiology, 2009, 102, 1254-1264.	1.8	56
48	Pregnenolone sulfate and dehydroepiandrosterone sulfate inhibit GABA-gated chloride currents in Xenopus oocytes expressing picrotoxin-insensitive GABAA receptors. Neuropharmacology, 1999, 38, 267-271.	4.1	55
49	Plastic Elimination of Functional Glutamate Release Sites by Depolarization. Neuron, 2004, 42, 423-435.	8.1	55
50	Indistinguishable Synaptic Pharmacodynamics of the <i>N</i>-Methyl-d-Aspartate Receptor Channel Blockers Memantine and Ketamine. Molecular Pharmacology, 2013, 84, 935-947.	2.3	55
51	Differential Presynaptic ATP Supply for Basal and High-Demand Transmission. Journal of Neuroscience, 2017, 37, 1888-1899.	3.6	55
52	Temporal ordering of pathogenic events following transient global ischemia. Brain Research, 1998, 790, 1-13.	2.2	53
53	Contribution of Presynaptic Na⁺ Channel Inactivation to Paired-Pulse Synaptic Depression in Cultured Hippocampal Neurons. Journal of Neurophysiology, 2002, 87, 925-936.	1.8	53
54	Endogenous 24<i>S</i>-hydroxycholesterol modulates NMDAR-mediated function in hippocampal slices. Journal of Neurophysiology, 2016, 115, 1263-1272.	1.8	53

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55	Vesicle Pool Heterogeneity at Hippocampal Glutamate and GABA Synapses. Journal of Neuroscience, 2007, 27, 9846-9854.	3.6	52
56	Nicotinamide mononucleotide adenylyl transferase 1 protects against acute neurodegeneration in developing CNS by inhibiting excitotoxic-necrotic cell death. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19054-19059.	7.1	52
57	Astrocyte-Derived Thrombospondins Mediate the Development of Hippocampal Presynaptic Plasticity<i>In Vitro</i>. Journal of Neuroscience, 2012, 32, 13100-13110.	3.6	51
58	Physiological Activity Depresses Synaptic Function through an Effect on Vesicle Priming. Journal of Neuroscience, 2006, 26, 6618-6626.	3.6	49
59	A Specific Role for Ca²⁺-Dependent Adenylyl Cyclases in Recovery from Adaptive Presynaptic Silencing. Journal of Neuroscience, 2008, 28, 5159-5168.	3.6	49
60	Axonal sodium channel distribution shapes the depolarized action potential threshold of dentate granule neurons. Hippocampus, 2010, 20, 558-571.	1.9	49
61	Slow Death of Postnatal Hippocampal Neurons by GABAAReceptor Overactivation. Journal of Neuroscience, 2000, 20, 3147-3156.	3.6	45
62	Static and Dynamic Membrane Properties of Large-Terminal Bipolar Cells From Goldfish Retina: Experimental Test of a Compartment Model. Journal of Neurophysiology, 1997, 78, 51-62.	1.8	44
63	Homeostatic Effects of Depolarization on Ca²⁺Influx, Synaptic Signaling, and Survival. Journal of Neuroscience, 2003, 23, 1825-1831.	3.6	44
64	The influence of the membrane on neurosteroid actions at GABAA receptors. Psychoneuroendocrinology, 2009, 34, S59-S66.	2.7	44
65	Ethanol-Induced Death of Postnatal Hippocampal Neurons. Neurobiology of Disease, 2002, 10, 396-409.	4.4	43
66	Characteristics of concatemeric GABA_A receptors containing Î±4/Î´ subunits expressed in <i>Xenopus</i> oocytes. British Journal of Pharmacology, 2012, 165, 2228-2243.	5.4	43
67	Treatment-Resistant Major Depression: Rationale for NMDA Receptors as Targets and Nitrous Oxide as Therapy. Frontiers in Psychiatry, 2015, 6, 172.	2.6	43
68	Adenylyl Cyclases 1 and 8 Initiate a Presynaptic Homeostatic Response to Ethanol Treatment. PLoS ONE, 2009, 4, e5697.	2.5	42
69	Excitotoxicity Triggered by Neurobasal Culture Medium. PLoS ONE, 2011, 6, e25633.	2.5	40
70	Positive Allosteric Modulation as a Potential Therapeutic Strategy in Anti-NMDA Receptor Encephalitis. Journal of Neuroscience, 2018, 38, 3218-3229.	3.6	39
71	Calcium-Stimulated Adenylyl Cyclases Modulate Ethanol-Induced Neurodegeneration in the Neonatal Brain. Journal of Neuroscience, 2005, 25, 2376-2385.	3.6	38
72	GIRK channel modulation by assembly with allosterically regulated RGS proteins. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19977-19982.	7.1	38

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73	Neurosteroid migration to intracellular compartments reduces steroid concentration in the membrane and diminishes GABAâ€A receptor potentiation. Journal of Physiology, 2007, 584, 789-800.	2.9	36
74	Magnesium induces neuronal apoptosis by suppressing excitability. Cell Death and Disease, 2010, 1, e63-e63.	6.3	36
75	A Mechanism Regulating G Protein-coupled Receptor Signaling That Requires Cycles of Protein Palmitoylation and Depalmitoylation. Journal of Biological Chemistry, 2014, 289, 6249-6257.	3.4	36
76	<i>Î³</i>-Aminobutyric Acid Type A <i>Î±</i>4, <i>Î²</i>2, and <i>Î´</i> Subunits Assemble to Produce More Than One Functionally Distinct Receptor Type. Molecular Pharmacology, 2014, 86, 647-656.	2.3	35
77	Neuroactive Steroid Interactions with Voltage-Dependent Anion Channels: Lack of Relationship to GABAA Receptor Modulation and Anesthesia. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 502-511.	2.5	34
78	Linkage between cellular communications, energy utilization, and proliferation in metastatic neuroendocrine cancers. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12505-12510.	7.1	34
79	Cyclodextrins sequester neuroactive steroids and differentiate mechanisms that rate limit steroid actions. British Journal of Pharmacology, 2007, 150, 164-175.	5.4	34
80	Presynaptically Silent Synapses. Neuroscientist, 2012, 18, 216-223.	3.5	32
81	Neurosteroid Analogues. 9. Conformationally Constrained Pregnanes:â€‰ Structureâˆ'Activity Studies of 13,24-Cyclo-18,21-dinorcholane Analogues of the GABA Modulatory and Anesthetic Steroids (3Î±,5Î±)- and (3Î±,5Î²)-3-Hydroxypregnan-20-one. Journal of Medicinal Chemistry, 2003, 46, 5334-5348.	6.4	31
82	Enantioselective modulation of GABAergic synaptic transmission by steroids and benz[e]indenes in hippocampal microcultures. , 1998, 29, 162-171.		30
83	Neurosteroid analogues. 12. Potent enhancement of GABA-mediated chloride currents at GABAA receptors by ent-androgens. European Journal of Medicinal Chemistry, 2008, 43, 107-113.	5.5	30
84	Quantification of bursting and synchrony in cultured hippocampal neurons. Journal of Neurophysiology, 2015, 114, 1059-1071.	1.8	29
85	Interaction between positive allosteric modulators and trapping blockers of the <scp>NMDA</scp> receptor channel. British Journal of Pharmacology, 2015, 172, 1333-1347.	5.4	29
86	24S-hydroxycholesterol and 25-hydroxycholesterol differentially impact hippocampal neuronal survival following oxygen-glucose deprivation. PLoS ONE, 2017, 12, e0174416.	2.5	29
87	Neurosteroid Analogues. 18. Structureâ€"Activity Studies of <i>ent</i>-Steroid Potentiators of Î³-Aminobutyric Acid Type A Receptors and Comparison of Their Activities with Those of Alphaxalone and Allopregnanolone. Journal of Medicinal Chemistry, 2014, 57, 171-190.	6.4	28
88	A Proinflammatory Stimulus Disrupts Hippocampal Plasticity and Learning via Microglial Activation and 25-Hydroxycholesterol. Journal of Neuroscience, 2021, 41, 10054-10064.	3.6	27
89	Enhanced GABAergic actions resulting from the coapplication of the steroid 3Î±-hydroxy-5Î±-pregnane-11,20-dione (alfaxalone) with propofol or diazepam. Scientific Reports, 2018, 8, 10341.	3.3	26
90	Neurosteroid Analogues. 8. Structureâˆ'Activity Studies of N-Acylated 17a-Aza-D-homosteroid Analogues of the Anesthetic Steroids (3Î±,5Î±)- and (3Î±,5Î²)-3-Hydroxypregnan-20-one. Journal of Medicinal Chemistry, 2000, 43, 3201-3204.	6.4	24

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91	Basal levels of adenosine modulate mGluR5 on rat hippocampal astrocytes. Glia, 2001, 33, 24-35.	4.9	24
92	Presynaptic silencing is an endogenous neuroprotectant during excitotoxic insults. Neurobiology of Disease, 2011, 43, 516-525.	4.4	24
93	Detection of submillisecond spike timing differences based on delay-line anticoincidence detection. Journal of Neurophysiology, 2013, 110, 2295-2311.	1.8	23
94	Comparative Effects of Heterologous TRPV1 and TRPM8 Expression in Rat Hippocampal Neurons. PLoS ONE, 2009, 4, e8166.	2.5	23
95	Swelling of MÃ¼ller cells induced by AP3 and glutamate transport substrates in rat retina. , 1996, 17, 285-293.		22
96	A Synthetic 18-Norsteroid Distinguishes between Two Neuroactive Steroid Binding Sites on GABA_A Receptors. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 404-413.	2.5	22
97	Rapid calcium-current kinetics in synaptic terminals of goldfish retinal bipolar neurons. Visual Neuroscience, 1998, 15, 1051-1056.	1.0	21
98	Homeostatic Regulation of Glutamate Release in Response to Depolarization. Molecular Neurobiology, 2006, 33, 133-154.	4.0	21
99	Anticonvulsant and anesthetic effects of a fluorescent neurosteroid analog activated by visible light. Nature Neuroscience, 2007, 10, 523-530.	14.8	21
100	Kinetic and Structural Determinants for GABA-A Receptor Potentiation by Neuroactive Steroids. Current Neuropharmacology, 2010, 8, 18-25.	2.9	21
101	The neurosteroid 5Î²â€pregnanâ€3Î±â€olâ€20â€one enhances actions of etomidate as a positive allosteric modulator of Î±1Î²2Î³2<scp>L GABA_A</scp> receptors. British Journal of Pharmacology, 2014, 171, 5446-5457.	5.4	21
102	Chemogenetic Isolation Reveals Synaptic Contribution of Î´ GABA_AReceptors in Mouse Dentate Granule Neurons. Journal of Neuroscience, 2018, 38, 8128-8145.	3.6	21
103	Neurosteroid Analogues. 17. Inverted Binding Orientations of Androsterone Enantiomers at the Steroid Potentiation Site on Î³-Aminobutyric Acid Type A Receptors. Journal of Medicinal Chemistry, 2012, 55, 1334-1345.	6.4	20
104	Neurosteroids as Therapeutic Leads in Psychiatry. JAMA Psychiatry, 2013, 70, 659.	11.0	20
105	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 (3Î±,5Î±)- and (3Î±,5Î²)-3-Hydroxypregnan-20-one. Journal of Medicinal Chemistry, 2005, 48, 3051-3059.	6.4	19
106	Structurally diverse amphiphiles exhibit biphasic modulation of GABA_A receptors: similarities and differences with neurosteroid actions. British Journal of Pharmacology, 2010, 160, 130-141.	5.4	19
107	Loss of Local Astrocyte Support Disrupts Action Potential Propagation and Glutamate Release Synchrony from Unmyelinated Hippocampal Axon Terminals In Vitro. Journal of Neuroscience, 2015, 35, 11105-11117.	3.6	19
108	A clickable neurosteroid photolabel reveals selective Golgi compartmentalization with preferential impact on proximal inhibition. Neuropharmacology, 2016, 108, 193-206.	4.1	19

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109	Calcium-Independent Inhibitory G-Protein Signaling Induces Persistent Presynaptic Muting of Hippocampal Synapses. Journal of Neuroscience, 2011, 31, 979-991.	3.6	18
110	Differential Effects of Axon Initial Segment and Somatodendritic GABA_AReceptors on Excitability Measures in Rat Dentate Granule Neurons. Journal of Neurophysiology, 2011, 105, 366-379.	1.8	17
111	Hydrophobic anions potently and uncompetitively antagonize GABA A receptor function in the absence of a conventional binding site. British Journal of Pharmacology, 2011, 164, 667-680.	5.4	17
112	Actions of Anesthetics on Excitatory Transmitter-Gated Channels. , 2008, , 53-84.		17
113	Effects on Membrane Capacitance of Steroids with Antagonist Properties at GABAA Receptors. Biophysical Journal, 2008, 95, 176-185.	0.5	16
114	Fast Phasic Release Properties of Dopamine Studied with a Channel Biosensor. Journal of Neuroscience, 2014, 34, 11792-11802.	3.6	16
115	Neurosteroid analogues. 15. A comparative study of the anesthetic and GABAergic actions of alphaxalone, Î”16-alphaxalone and their corresponding 17-carbonitrile analogues. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6680-6684.	2.2	15
116	Dynamic Modulation of Phasic and Asynchronous Glutamate Release in Hippocampal Synapses. Journal of Neurophysiology, 2010, 103, 392-401.	1.8	14
117	Neurosteroid Analogues. 11. Alternative Ring System Scaffolds:â€‰ Î³-Aminobutyric Acid Receptor Modulation and Anesthetic Actions of Benz[f]indenes. Journal of Medicinal Chemistry, 2006, 49, 4595-4605.	6.4	13
118	Antagonism of neurosteroid modulation of native Î³-aminobutyric acid receptors by (3Î±,5Î±)-17-phenylandrost-16-en-3-ol. European Journal of Pharmacology, 2007, 572, 94-101.	3.5	13
119	A Clickable Analogue of Ketamine Retains NMDA Receptor Activity, Psychoactivity, and Accumulates in Neurons. Scientific Reports, 2016, 6, 38808.	3.3	13
120	Assessment of Synaptic Effects of Nitric Oxide in Hippocampal Neurons. Methods in Neurosciences, 1996, 31, 282-299.	0.5	12
121	Feeding Hungry Neurons. Neuron, 2003, 37, 187-189.	8.1	12
122	Astrocytes exert a pro-apoptotic effect on neurons in postnatal hippocampal cultures. Neuroscience, 2005, 131, 349-358.	2.3	12
123	Synaptic Vesicles: Turning Reluctance Into Action. Neuroscientist, 2006, 12, 11-15.	3.5	12
124	Noncompetitive, Voltage-Dependent NMDA Receptor Antagonism by Hydrophobic Anions. Molecular Pharmacology, 2013, 83, 354-366.	2.3	12
125	11-trifluoromethyl-phenyldiazirinyl neurosteroid analogues: potent general anesthetics and photolabeling reagents for GABAA receptors. Psychopharmacology, 2014, 231, 3479-3491.	3.1	12
126	Effects of CYP46A1 Inhibition on Long-Term-Depression in Hippocampal Slices ex vivo and 24S-Hydroxycholesterol Levels in Mice in vivo. Frontiers in Molecular Neuroscience, 2020, 13, 568641.	2.9	12

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127	Lack of Neurosteroid Selectivity at Î´ vs. Î³2-Containing GABAA Receptors in Dentate Granule Neurons. Frontiers in Molecular Neuroscience, 2020, 13, 6.	2.9	12
128	Nitrous Oxide, a Rapid Antidepressant, Has Ketamine-like Effects on Excitatory Transmission in the Adult Hippocampus. Biological Psychiatry, 2022, 92, 964-972.	1.3	12
129	Neurosteroid Analogues. 14. Alternative Ring System Scaffolds: GABA Modulatory and Anesthetic Actions of Cyclopenta[b]phenanthrenes and Cyclopenta[b]anthracenes. Journal of Medicinal Chemistry, 2008, 51, 1309-1318.	6.4	11
130	Presynaptically Silent Synapses Studied with Light Microscopy. Journal of Visualized Experiments, 2010, , .	0.3	11
131	Retrograde Fluorescent Labeling Allows for Targeted Extracellular Single-unit Recording from Identified Neurons In vivo. Journal of Visualized Experiments, 2013, , .	0.3	11
132	Ambient but not local lactate underlies neuronal tolerance to prolonged glucose deprivation. PLoS ONE, 2018, 13, e0195520.	2.5	10
133	Î´ subunitâ€containing GABA A IPSCs are driven by both synaptic and diffusional GABA in mouse dentate granule neurons. Journal of Physiology, 2020, 598, 1205-1221.	2.9	10
134	Sex Differences in the Role of CNIH3 on Spatial Memory and Synaptic Plasticity. Biological Psychiatry, 2021, 90, 766-780.	1.3	10
135	Visualizing pregnenolone sulfate-like modulators of NMDA receptor function reveals intracellular and plasma-membrane localization. Neuropharmacology, 2019, 144, 91-103.	4.1	9
136	Rapid Activation of Dormant Presynaptic Terminals by Phorbol Esters. Journal of Neuroscience, 2010, 30, 10048-10060.	3.6	8
137	Cross talk between synaptic receptors mediates NMDA-induced suppression of inhibition. Journal of Neurophysiology, 2012, 107, 2532-2540.	1.8	7
138	Differential Requirement for Protein Synthesis in Presynaptic Unmuting and Muting in Hippocampal Glutamate Terminals. PLoS ONE, 2012, 7, e51930.	2.5	7
139	Comparison of Steroid Modulation of Spontaneous Inhibitory Postsynaptic Currents in Cultured Hippocampal Neurons and Steady-State Single-Channel Currents from Heterologously Expressed <i>Î±</i>1<i>Î²</i>2<i>Î³</i>2L GABA_A Receptors. Molecular Pharmacology, 2016, 89, 399-406.	2.3	7
140	Oxysterols Modulate the Acute Effects of Ethanol on Hippocampal <i>N</i>-Methyl-d-Aspartate Receptors, Long-Term Potentiation, and Learning. Journal of Pharmacology and Experimental Therapeutics, 2021, 377, 181-188.	2.5	7
141	A spontaneous tonic chloride conductance in solitary glutamatergic hippocampal neurons. Brain Research, 2006, 1118, 66-74.	2.2	6
142	NMDA potentiation by visible light in the presence of a fluorescent neurosteroid analogue. Journal of Physiology, 2009, 587, 2937-2947.	2.9	6
143	A neuroactive steroid with a therapeutically interesting constellation of actions at GABAA and NMDA receptors. Neuropharmacology, 2021, 183, 108358.	4.1	6
144	Neurosteroid Analogues. 16. A New Explanation for the Lack of Anesthetic Effects of Î”¹⁶-Alphaxalone and Identification of a Î”¹⁷⁽²⁰⁾ Analogue with Potent Anesthetic Activity. Journal of Medicinal Chemistry, 2011, 54, 3926-3934.	6.4	5

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145	Physiological markers of rapid antidepressant effects of allopregnanolone. Journal of Neuroendocrinology, 2022, 34, e13023.	2.6	5
146	Cognitive deficits and impaired hippocampal long-term potentiation in K _{ATP} -induced DEND syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	5
147	Phosphatidylinositol 4,5-bisphosphate depletion fails to affect neurosteroid modulation of GABAA receptor function. Psychopharmacology, 2014, 231, 3493-3501.	3.1	4
148	A Clickable Oxysterol Photolabel Retains NMDA Receptor Activity and Accumulates in Neurons. Frontiers in Neuroscience, 2018, 12, 923.	2.8	4
149	Mild chronic perturbation of inhibition severely alters hippocampal function. Scientific Reports, 2019, 9, 16431.	3.3	4
150	Input-output: The Role of Undergraduate Curriculum in Successful Graduate Training in the Neurosciences. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2011, 10, E2-6.	0.0	4
151	Photodynamic Effects of Steroid-Conjugated Fluorophores on GABA_A Receptors. Molecular Pharmacology, 2009, 76, 754-765.	2.3	3
152	[43] Measurement of glial transport currents in microcultures: Application to excitatory neurotransmission. Methods in Enzymology, 1998, 296, 632-645.	1.0	2
153	Reluctant Vesicles Coaxed into the Limelight. Neuron, 2005, 46, 523-525.	8.1	2
154	Potentiation and Inhibition of GABAA Receptor Function by Neuroactive Steroids. Frontiers in Neuroscience, 2003, , .	0.0	2
155	Synaptic Transmission Dynamically Modulates Interstitial Fluid Amyloid-Î² Levels. Research and Perspectives in Alzheimer's Disease, 2008, , 133-143.	0.1	1
156	Pharmacological and Biophysical Characteristics of Picrotoxin-Resistant, Î´Subunit-Containing GABAA Receptors. Frontiers in Synaptic Neuroscience, 2021, 13, 763411.	2.5	1
157	Studies of Glial Glutamate Transporters in Hippocampal Microcultures. , 0, , 217-238.		0
158	Don't curse the darkness, light a candle: fluorescence studies of axon excitability. Journal of Physiology, 2011, 589, 4087-4087.	2.9	0
159	Contributions of space-clamp errors to apparent time-dependent loss of Mg²⁺ block induced by NMDA. Journal of Neurophysiology, 2017, 118, 532-543.	1.8	0
160	P1â€194: TRACKING THE INTRACELLULAR ITINERARY OF APP AND <i>DE NOVO</i> AMYLOID BETA GENERATION USING CLICK CHEMISTRY. Alzheimer's and Dementia, 2018, 14, P353.	0.8	0