

Charles F Zorumski

List of Publications by Year in descending order

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138
papers

8,865
citations

53794

45
h-index

46799

89
g-index

142
all docs

142
docs citations

142
times ranked

7171
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Exposure to Common Anesthetic Agents Causes Widespread Neurodegeneration in the Developing Rat Brain and Persistent Learning Deficits. <i>Journal of Neuroscience</i> , 2003, 23, 876-882.	3.6	1,832
2	Glial contributions to excitatory neurotransmission in cultured hippocampal cells. <i>Nature</i> , 1994, 368, 59-62.	27.8	317
3	Platelet-activating factor as a potential retrograde messenger in CA1 hippocampal long-term potentiation. <i>Nature</i> , 1994, 367, 175-179.	27.8	279
4	Neurosteroids as novel antidepressants and anxiolytics: GABA-A receptors and beyond. <i>Neurobiology of Stress</i> , 2019, 11, 100196.	4.0	249
5	Noradrenergic Regulation of Synaptic Plasticity in the Hippocampal CA1 Region. <i>Journal of Neurophysiology</i> , 1997, 77, 3013-3020.	1.8	232
6	The Major Brain Cholesterol Metabolite 24(S)-Hydroxycholesterol Is a Potent Allosteric Modulator of N-Methyl-D-Aspartate Receptors. <i>Journal of Neuroscience</i> , 2013, 33, 17290-17300.	3.6	204
7	Ketamine, Phencyclidine, and MK-801 Protect Against Kainic Acid-Induced Seizure-Related Brain Damage. <i>Epilepsia</i> , 1990, 31, 382-390.	5.1	201
8	Effect of Nitrous Oxide on Excitatory and Inhibitory Synaptic Transmission in Hippocampal Cultures. <i>Journal of Neuroscience</i> , 1998, 18, 9716-9726.	3.6	181
9	Nitrous Oxide for Treatment-Resistant Major Depression: A Proof-of-Concept Trial. <i>Biological Psychiatry</i> , 2015, 78, 10-18.	1.3	168
10	Neurosteroids, stress and depression: Potential therapeutic opportunities. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 109-122.	6.1	158
11	Trial of SAGE-217 in Patients with Major Depressive Disorder. <i>New England Journal of Medicine</i> , 2019, 381, 903-911.	27.0	156
12	Ketamine: NMDA Receptors and Beyond. <i>Journal of Neuroscience</i> , 2016, 36, 11158-11164.	3.6	147
13	Neurosteroid Access to the GABAA Receptor. <i>Journal of Neuroscience</i> , 2005, 25, 11605-11613.	3.6	144
14	3 β -Hydroxypregnan-20-one Steroids Are Pregnenolone Sulfate-Like GABA _A Receptor Antagonists. <i>Journal of Neuroscience</i> , 2002, 22, 3366-3375.	3.6	141
15	Zinc Modulates Bidirectional Hippocampal Plasticity by Effects on NMDA Receptors. <i>Journal of Neuroscience</i> , 2006, 26, 7181-7188.	3.6	140
16	Mechanisms of neurosteroid interactions with GABAA receptors. , 2007, 116, 35-57.		136
17	Acute and chronic effects of ethanol on learning-related synaptic plasticity. <i>Alcohol</i> , 2014, 48, 1-17.	1.7	135
18	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.	4.2	121

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19	Neural Activity and Survival in the Developing Nervous System. <i>Molecular Neurobiology</i> , 2000, 22, 041-054.	4.0	111
20	NMDA receptors and metaplasticity: Mechanisms and possible roles in neuropsychiatric disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 989-1000.	6.1	108
21	Slow Actions of Neuroactive Steroids at GABA _A Receptors. <i>Journal of Neuroscience</i> , 2004, 24, 6667-6675.	3.6	102
22	Norepinephrine promotes long-term potentiation in the adult rat hippocampus in vitro. , 1999, 31, 196-202.		98
23	Pregnenolone Sulfate Modulates Inhibitory Synaptic Transmission by Enhancing GABA _A Receptor Desensitization. <i>Journal of Neuroscience</i> , 2000, 20, 3571-3579.	3.6	93
24	The sticky issue of neurosteroids and GABA _A receptors. <i>Trends in Neurosciences</i> , 2010, 33, 299-306.	8.6	89
25	Midazolam Inhibits Hippocampal Long-Term Potentiation and Learning through Dual Central and Peripheral Benzodiazepine Receptor Activation and Neurosteroidogenesis. <i>Journal of Neuroscience</i> , 2010, 30, 16788-16795.	3.6	87
26	Neuroexcitatory actions of Tamiflu and its carboxylate metabolite. <i>Neuroscience Letters</i> , 2007, 426, 54-58.	2.1	82
27	Selective Antagonism of 5 α -Reduced Neurosteroid Effects at GABA _A Receptors. <i>Molecular Pharmacology</i> , 2004, 65, 1191-1197.	2.3	81
28	5 α -Reduced Neuroactive Steroids Are Novel Voltage-Dependent Blockers of T-Type Ca ²⁺ Channels in Rat Sensory Neurons in Vitro and Potent Peripheral Analgesics in Vivo. <i>Molecular Pharmacology</i> , 2004, 66, 1223-1235.	2.3	80
29	24(S)-Hydroxycholesterol as a Modulator of Neuronal Signaling and Survival. <i>Neuroscientist</i> , 2016, 22, 132-144.	3.5	75
30	Excitotoxic neuronal damage and neuropsychiatric disorders. , 1993, 59, 145-162.		74
31	Steroid Inhibition of Rat Neuronal Nicotinic α 4 β 2 Receptors Expressed in HEK 293 Cells. <i>Molecular Pharmacology</i> , 2000, 58, 341-351.	2.3	73
32	Recent developments in structure-activity relationships for steroid modulators of GABA _A receptors. <i>Brain Research Reviews</i> , 2001, 37, 91-97.	9.0	73
33	Different oxysterols have opposing actions at N-methyl-D-aspartate receptors. <i>Neuropharmacology</i> , 2014, 85, 232-242.	4.1	69
34	Neurosteroid Analogues. 6. The Synthesis and GABA _A Receptor Pharmacology of Enantiomers of Dehydroepiandrosterone Sulfate, Pregnenolone Sulfate, and (3 α ,5 α)-3-Hydroxypregnan-20-one Sulfate. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 2604-2613.	6.4	66
35	Ethanol Enhances Neurosteroidogenesis in Hippocampal Pyramidal Neurons by Paradoxical NMDA Receptor Activation. <i>Journal of Neuroscience</i> , 2011, 31, 9905-9909.	3.6	66
36	Long-term potentiation inhibition by low-level N-methyl-D-aspartate receptor activation involves calcineurin, nitric oxide, and p38 mitogen-activated protein kinase. <i>Hippocampus</i> , 2008, 18, 258-265.	1.9	63

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37	Activation-Dependent Properties of Pregnenolone Sulfate Inhibition of GABA A Receptor-Mediated Current. <i>Journal of Physiology</i> , 2003, 550, 679-691.	2.9	62
38	Low concentrations of inhibit the induction of long-term potentiation in rat hippocampal slices. <i>Neuroscience Letters</i> , 1992, 137, 245-248.	2.1	57
39	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.	1.8	56
40	Calcium-dependent, slow desensitization distinguishes different types of glutamate receptors. <i>Cellular and Molecular Neurobiology</i> , 1989, 9, 95-104.	3.3	55
41	Pregnenolone sulfate and dehydroepiandrosterone sulfate inhibit GABA-gated chloride currents in <i>Xenopus oocytes</i> expressing picrotoxin-insensitive GABA _A receptors. <i>Neuropharmacology</i> , 1999, 38, 267-271.	4.1	55
42	Indistinguishable Synaptic Pharmacodynamics of the <i>N</i> -Methyl-d-Aspartate Receptor Channel Blockers Memantine and Ketamine. <i>Molecular Pharmacology</i> , 2013, 84, 935-947.	2.3	55
43	Müller cell swelling, glutamate uptake, and excitotoxic neurodegeneration in the isolated rat retina. <i>Glia</i> , 1999, 25, 379-389.	4.9	53
44	Endogenous 24 <i>S</i> -hydroxycholesterol modulates NMDAR-mediated function in hippocampal slices. <i>Journal of Neurophysiology</i> , 2016, 115, 1263-1272.	1.8	53
45	A phase 2 trial of inhaled nitrous oxide for treatment-resistant major depression. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	52
46	NMDA Receptors, mGluR5, and Endocannabinoids are Involved in a Cascade Leading to Hippocampal Long-Term Depression. <i>Neuropsychopharmacology</i> , 2012, 37, 609-617.	5.4	51
47	Monocarboxylates (pyruvate and lactate) as alternative energy substrates for the induction of long-term potentiation in rat hippocampal slices. <i>Neuroscience Letters</i> , 1997, 232, 17-20.	2.1	50
48	Enantioselective Blockade of T-type Ca ²⁺ Current in Adult Rat Sensory Neurons by a Steroid That Lacks β -Aminobutyric Acid-Modulatory Activity. <i>Molecular Pharmacology</i> , 1998, 54, 918-927.	2.3	50
49	Expression of Nampt in Hippocampal and Cortical Excitatory Neurons Is Critical for Cognitive Function. <i>Journal of Neuroscience</i> , 2014, 34, 5800-5815.	3.6	50
50	Short-term environmental enrichment enhances synaptic plasticity in hippocampal slices from aged rats. <i>Neuroscience</i> , 2016, 329, 294-305.	2.3	49
51	Metaplastic effects of subanesthetic ketamine on CA1 hippocampal function. <i>Neuropharmacology</i> , 2014, 86, 273-281.	4.1	46
52	Ketamine and nitrous oxide: The evolution of NMDA receptor antagonists as antidepressant agents. <i>Journal of the Neurological Sciences</i> , 2020, 412, 116778.	0.6	46
53	Experimentally Induced Mammalian Models of Glaucoma. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	45
54	GABAergic neurosteroids mediate the effects of ethanol on long-term potentiation in rat hippocampal slices. <i>European Journal of Neuroscience</i> , 2007, 26, 1881-1888.	2.6	44

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55	Characteristics of concatemeric GABA _A receptors containing $\alpha 4/\beta 1$ subunits expressed in <i>Xenopus</i> oocytes. <i>British Journal of Pharmacology</i> , 2012, 165, 2228-2243.	5.4	43
56	Treatment-Resistant Major Depression: Rationale for NMDA Receptors as Targets and Nitrous Oxide as Therapy. <i>Frontiers in Psychiatry</i> , 2015, 6, 172.	2.6	43
57	Volatile anesthetics gate a chloride current in postnatal rat hippocampal neurons. <i>FASEB Journal</i> , 1992, 6, 914-918.	0.5	41
58	Positive Allosteric Modulation as a Potential Therapeutic Strategy in Anti-NMDA Receptor Encephalitis. <i>Journal of Neuroscience</i> , 2018, 38, 3218-3229.	3.6	39
59	Developmental changes in long-term potentiation in CA1 of rat hippocampal slices. <i>Synapse</i> , 1995, 20, 19-23.	1.2	37
60	Neurosteroid migration to intracellular compartments reduces steroid concentration in the membrane and diminishes GABA _A receptor potentiation. <i>Journal of Physiology</i> , 2007, 584, 789-800.	2.9	36
61	Direct Cortical Inputs Erase Long-Term Potentiation at Schaffer Collateral Synapses. <i>Journal of Neuroscience</i> , 2008, 28, 9557-9563.	3.6	35
62	Neurosteroids Are Endogenous Neuroprotectants in an Ex Vivo Glaucoma Model. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8531-8541.	3.3	35
63	Downregulation of Glutamine Synthetase via GLAST Suppression Induces Retinal Axonal Swelling in a Rat Ex Vivo Hydrostatic Pressure Model. , 2011, 52, 6604.		33
64	Neurosteroid analogues. Part 5.1 Enantiomers of neuroactive steroids and benz[e]indenes: total synthesis, electrophysiological effects on GABA _A receptor function and anesthetic actions in tadpoles. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 3665-3672.	0.9	32
65	Acute effects of antidepressants on hippocampal seizures. <i>Annals of Neurology</i> , 1985, 18, 692-697.	5.3	31
66	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 α ,5 α)- and (3 β ,5 β)-3-Hydroxypregnan-20-one. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5334-5348.	6.4	31
67	“What Were You Before the War?” Repurposing Psychiatry During the COVID-19 Pandemic. <i>Journal of Clinical Psychiatry</i> , 2020, 81, .	2.2	31
68	Enantioselective modulation of GABAergic synaptic transmission by steroids and benz[e]indenes in hippocampal microcultures. , 1998, 29, 162-171.		30
69	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.	5.5	30
70	Quantification of bursting and synchrony in cultured hippocampal neurons. <i>Journal of Neurophysiology</i> , 2015, 114, 1059-1071.	1.8	29
71	Interaction between positive allosteric modulators and trapping blockers of the <i>NMDA</i> receptor channel. <i>British Journal of Pharmacology</i> , 2015, 172, 1333-1347.	5.4	29
72	The role of T-type calcium channels in the subiculum: to burst or not to burst?. <i>Journal of Physiology</i> , 2017, 595, 6327-6348.	2.9	29

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73	24S-hydroxycholesterol and 25-hydroxycholesterol differentially impact hippocampal neuronal survival following oxygen-glucose deprivation. <i>PLoS ONE</i> , 2017, 12, e0174416.	2.5	29
74	Neurosteroid Analogues. 18. Structure-Activity Studies of α -Steroid Potentiators of β -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.	6.4	28
75	Exploring Nitrous Oxide as Treatment of Mood Disorders. <i>Journal of Clinical Psychopharmacology</i> , 2018, 38, 144-148.	1.4	28
76	The neurosteroid allopregnanolone protects retinal neurons by effects on autophagy and GABRs/GABA _A receptors in rat glaucoma models. <i>Autophagy</i> , 2021, 17, 743-760.	9.1	28
77	Effects of Acutely Elevated Hydrostatic Pressure in a Rat Ex Vivo Retinal Preparation. , 2010, 51, 6414.		27
78	A Proinflammatory Stimulus Disrupts Hippocampal Plasticity and Learning via Microglial Activation and 25-Hydroxycholesterol. <i>Journal of Neuroscience</i> , 2021, 41, 10054-10064.	3.6	27
79	Neuroprotective effects of pyruvate following NMDA-mediated excitotoxic insults in hippocampal slices. <i>Neuroscience Letters</i> , 2010, 478, 131-135.	2.1	26
80	Involvement of nitric oxide in low glucose-mediated inhibition of hippocampal long-term potentiation. , 1997, 25, 258-262.		25
81	Basal levels of adenosine modulate mGluR5 on rat hippocampal astrocytes. <i>Glia</i> , 2001, 33, 24-35.	4.9	24
82	Ammonia-mediated LTP inhibition: Effects of NMDA receptor antagonists and l-carnitine. <i>Neurobiology of Disease</i> , 2005, 20, 615-624.	4.4	24
83	Acute Effects of Lithium on Hippocampal Kindled Seizures. <i>Epilepsia</i> , 1985, 26, 689-692.	5.1	23
84	Swelling of Müller cells induced by AP3 and glutamate transport substrates in rat retina. , 1996, 17, 285-293.		22
85	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.	2.5	22
86	Norepinephrine reverses inhibition of long-term potentiation in rat hippocampal slices. <i>Neuroscience Letters</i> , 1992, 142, 163-166.	2.1	21
87	Kinetic and Structural Determinants for GABA-A Receptor Potentiation by Neuroactive Steroids. <i>Current Neuropharmacology</i> , 2010, 8, 18-25.	2.9	21
88	Chemogenetic Isolation Reveals Synaptic Contribution of β -GABA _A Receptors in Mouse Dentate Granule Neurons. <i>Journal of Neuroscience</i> , 2018, 38, 8128-8145.	3.6	21
89	Neurosteroid Analogues. 17. Inverted Binding Orientations of Androsterone Enantiomers at the Steroid Potentiation Site on β -Aminobutyric Acid Type A Receptors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1334-1345.	6.4	20
90	Neurosteroids as Therapeutic Leads in Psychiatry. <i>JAMA Psychiatry</i> , 2013, 70, 659.	11.0	20

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91	24(S)-Hydroxycholesterol protects the ex vivo rat retina from injury by elevated hydrostatic pressure. <i>Scientific Reports</i> , 2016, 6, 33886.	3.3	20
92	Oxygen Deprivation Produces Delayed Inhibition of Long-Term Potentiation by Activation of NMDA Receptors and Nitric Oxide Synthase. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 97-108.	4.3	19
93	A clickable neurosteroid photolabel reveals selective Golgi compartmentalization with preferential impact on proximal inhibition. <i>Neuropharmacology</i> , 2016, 108, 193-206.	4.1	19
94	Metaplastic LTP inhibition after LTD induction in CA1 hippocampal slices involves NMDA Receptor-mediated Neurosteroidogenesis. <i>Physiological Reports</i> , 2013, 1, e00133.	1.7	18
95	TSPO activation modulates the effects of high pressure in a rat ex vivo glaucoma model. <i>Neuropharmacology</i> , 2016, 111, 142-159.	4.1	18
96	Using animal models to evaluate the functional consequences of anesthesia during early neurodevelopment. <i>Neurobiology of Learning and Memory</i> , 2019, 165, 106834.	1.9	17
97	Nitrous Oxide (Laughing Gas) Facilitates Excitability in Rat Hippocampal Slices through \hat{I}^3 -Aminobutyric Acid A Receptor-mediated Disinhibition. <i>Anesthesiology</i> , 2005, 102, 230-234.	2.5	16
98	Concanavalin a enhances excitatory synaptic transmission in cultured rat hippocampal neurons. <i>Synapse</i> , 1993, 13, 94-97.	1.2	15
99	Neurosteroids and Oxysterols as Potential Therapeutic Agents for Glaucoma and Alzheimer's Disease. <i>Neuropsychiatry</i> , 2018, 08, 344-359.	0.4	15
100	Locally-generated acetaldehyde is involved in ethanol-mediated LTP inhibition in the hippocampus. <i>Neuroscience Letters</i> , 2013, 537, 40-43.	2.1	14
101	Locally-generated acetaldehyde contributes to the effects of ethanol on neurosteroids and long-term potentiation in the hippocampus. <i>Neurology and Clinical Neuroscience</i> , 2013, 1, 138-147.	0.4	14
102	Opportunities for Drug Repurposing of Serotonin Reuptake Inhibitors: Potential Uses in Inflammation, Infection, Cancer, Neuroprotection, and Alzheimer's Disease Prevention. <i>Pharmacopsychiatry</i> , 2022, 55, 24-29.	3.3	14
103	GABA and Endocannabinoids Mediate Depotentiation of Schaffer Collateral Synapses Induced by Stimulation of Temperoammonic Inputs. <i>PLoS ONE</i> , 2016, 11, e0149034.	2.5	13
104	A Clickable Analogue of Ketamine Retains NMDA Receptor Activity, Psychoactivity, and Accumulates in Neurons. <i>Scientific Reports</i> , 2016, 6, 38808.	3.3	13
105	Novel neurosteroid hypnotic blocks T-type calcium channel-dependent rebound burst firing and suppresses long-term potentiation in the rat subiculum. <i>British Journal of Anaesthesia</i> , 2019, 122, 643-651.	3.4	12
106	Effects of CYP46A1 Inhibition on Long-Term-Depression in Hippocampal Slices ex vivo and 24S-Hydroxycholesterol Levels in Mice in vivo. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 568641.	2.9	12
107	Lack of Neurosteroid Selectivity at \hat{I}^1 vs. \hat{I}^2 -Containing GABAA Receptors in Dentate Granule Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 6.	2.9	12
108	Ethanol, neurosteroids and cellular stress responses: Impact on central nervous system toxicity, inflammation and autophagy. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 124, 168-178.	6.1	12

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109	Nitrous Oxide, a Rapid Antidepressant, Has Ketamine-like Effects on Excitatory Transmission in the Adult Hippocampus. <i>Biological Psychiatry</i> , 2022, 92, 964-972.	1.3	12
110	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.	6.4	11
111	Use of Ketamine in Clinical Practice. <i>JAMA Psychiatry</i> , 2017, 74, 405.	11.0	11
112	Inhibitors of cellular stress overcome acute effects of ethanol on hippocampal plasticity and learning. <i>Neurobiology of Disease</i> , 2020, 141, 104875.	4.4	11
113	Effects of neurosteroid 3 α -hydroxy-5 α -pregnan-20-one on ethanol-mediated paired-pulse depression of population spikes in the CA1 region of rat hippocampal slices. <i>Neuroscience Letters</i> , 2006, 394, 28-32.	2.1	10
114	Corticosterone enhances the potency of ethanol against hippocampal long-term potentiation via local neurosteroid synthesis. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 254.	3.7	10
115	Nampt is required for long-term depression and the function of GluN2B subunit-containing NMDA receptors. <i>Brain Research Bulletin</i> , 2015, 119, 41-51.	3.0	10
116	Sex Differences in the Role of CNH3 on Spatial Memory and Synaptic Plasticity. <i>Biological Psychiatry</i> , 2021, 90, 766-780.	1.3	10
117	Visualizing pregnenolone sulfate-like modulators of NMDA receptor function reveals intracellular and plasma-membrane localization. <i>Neuropharmacology</i> , 2019, 144, 91-103.	4.1	9
118	ECT: Clinical Variables, Seizure Duration, and Outcome. <i>Convulsive Therapy</i> , 1986, 2, 109-119.	0.1	8
119	The Enantiomer of Allopregnanolone Prevents Pressure-Mediated Retinal Degeneration Via Autophagy. <i>Frontiers in Pharmacology</i> , 2022, 13, 855779.	3.5	8
120	Cross talk between synaptic receptors mediates NMDA-induced suppression of inhibition. <i>Journal of Neurophysiology</i> , 2012, 107, 2532-2540.	1.8	7
121	Sensitivity of N-Methyl-d-Aspartate Receptor-Mediated Excitatory Postsynaptic Potentials and Synaptic Plasticity to TCN 201 and TCN 213 in Rat Hippocampal Slices. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 352, 267-273.	2.5	7
122	Oxysterols Modulate the Acute Effects of Ethanol on Hippocampal N-Methyl-d-Aspartate Receptors, Long-Term Potentiation, and Learning. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 377, 181-188.	2.5	7
123	The treatment of late age onset psychoses with electroconvulsive therapy. <i>International Journal of Geriatric Psychiatry</i> , 1992, 7, 183-189.	2.7	6
124	A neuroactive steroid with a therapeutically interesting constellation of actions at GABAA and NMDA receptors. <i>Neuropharmacology</i> , 2021, 183, 108358.	4.1	6
125	Neuregulin and Dopamine D4 Receptors Contribute Independently to Depotentiation of Schaffer Collateral LTP by Temperoammonic Path Stimulation. <i>ENeuro</i> , 2017, 4, ENEURO.0176-17.2017.	1.9	6
126	Temporoammonic Stimulation Depotentiate Schaffer Collateral LTP via p38 MAPK Downstream of Adenosine A1 Receptors. <i>Journal of Neuroscience</i> , 2019, 39, 1783-1792.	3.6	5

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127	Physiological markers of rapid antidepressant effects of allopregnanolone. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13023.	2.6	5
128	A Clickable Oxysterol Photolabel Retains NMDA Receptor Activity and Accumulates in Neurons. <i>Frontiers in Neuroscience</i> , 2018, 12, 923.	2.8	4
129	Additive neuroprotective effects of 24(S)-hydroxycholesterol and allopregnanolone in an ex vivo rat glaucoma model. <i>Scientific Reports</i> , 2018, 8, 12851.	3.3	4
130	Mild chronic perturbation of inhibition severely alters hippocampal function. <i>Scientific Reports</i> , 2019, 9, 16431.	3.3	4
131	Elevated potassium shortens action potential duration by altering outward currents in chick dorsal root ganglia neurons. <i>Journal of Neurobiology</i> , 1990, 21, 661-671.	3.6	3
132	Academic Psychiatry Department Names: Reflections on Research, Practice, and Education. <i>Academic Psychiatry</i> , 2021, 45, 164-168.	0.9	2
133	<i>Response</i> : Carbamate Formation and the Neurotoxicity of L- \pm Amino Acids. <i>Science</i> , 1991, 251, 1619-1620.	12.6	2
134	Müller cell swelling, glutamate uptake, and excitotoxic neurodegeneration in the isolated rat retina. , 1999, 25, 379.		1
135	Studies of Glial Glutamate Transporters in Hippocampal Microcultures. , 0, , 217-238.		0
136	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.	1.8	0
137	Dissection method affects electrophysiological properties of hippocampal slices. , 2017, 3, 94-101.		0
138	Brain stimulation & the treatment of refractory psychiatric disorders. <i>Missouri Medicine</i> , 2008, 105, 57-61.	0.3	0