

Charles F Zorumski

List of Publications by Year in descending order

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138
papers

8,865
citations

53660

45
h-index

48187

88
g-index

142
all docs

142
docs citations

142
times ranked

7171
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	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.	1.7	14
3	The Enantiomer of Allopregnanolone Prevents Pressure-Mediated Retinal Degeneration Via Autophagy. <i>Frontiers in Pharmacology</i> , 2022, 13, 855779.	1.6	8
4	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
5	The neurosteroid allopregnanolone protects retinal neurons by effects on autophagy and GABA _A receptors in rat glaucoma models. <i>Autophagy</i> , 2021, 17, 743-760.	4.3	28
6	A neuroactive steroid with a therapeutically interesting constellation of actions at GABA _A and NMDA receptors. <i>Neuropharmacology</i> , 2021, 183, 108358.	2.0	6
7	Academic Psychiatry Department Names: Reflections on Research, Practice, and Education. <i>Academic Psychiatry</i> , 2021, 45, 164-168.	0.4	2
8	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.	1.3	7
9	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.	2.9	12
10	A phase 2 trial of inhaled nitrous oxide for treatment-resistant major depression. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	52
11	Sex Differences in the Role of CNH3 on Spatial Memory and Synaptic Plasticity. <i>Biological Psychiatry</i> , 2021, 90, 766-780.	0.7	10
12	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
13	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.	1.4	12
14	Lack of Neurosteroid Selectivity at $\hat{\gamma}$ vs. $\hat{\gamma}$ 2-Containing GABA _A Receptors in Dentate Granule Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 6.	1.4	12
15	Ketamine and nitrous oxide: The evolution of NMDA receptor antagonists as antidepressant agents. <i>Journal of the Neurological Sciences</i> , 2020, 412, 116778.	0.3	46
16	Inhibitors of cellular stress overcome acute effects of ethanol on hippocampal plasticity and learning. <i>Neurobiology of Disease</i> , 2020, 141, 104875.	2.1	11
17	“What Were You Before the War?”—Repurposing Psychiatry During the COVID-19 Pandemic. <i>Journal of Clinical Psychiatry</i> , 2020, 81, .	1.1	31
18	Mild chronic perturbation of inhibition severely alters hippocampal function. <i>Scientific Reports</i> , 2019, 9, 16431.	1.6	4

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19	Trial of SAGE-217 in Patients with Major Depressive Disorder. <i>New England Journal of Medicine</i> , 2019, 381, 903-911.	13.9	156
20	Neurosteroids as novel antidepressants and anxiolytics: GABA-A receptors and beyond. <i>Neurobiology of Stress</i> , 2019, 11, 100196.	1.9	249
21	Temporoammonic Stimulation Depotentiates Schaffer Collateral LTP via p38 MAPK Downstream of Adenosine A1 Receptors. <i>Journal of Neuroscience</i> , 2019, 39, 1783-1792.	1.7	5
22	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.	1.5	12
23	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
24	Using animal models to evaluate the functional consequences of anesthesia during early neurodevelopment. <i>Neurobiology of Learning and Memory</i> , 2019, 165, 106834.	1.0	17
25	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
26	Exploring Nitrous Oxide as Treatment of Mood Disorders. <i>Journal of Clinical Psychopharmacology</i> , 2018, 38, 144-148.	0.7	28
27	A Clickable Oxysterol Photolabel Retains NMDA Receptor Activity and Accumulates in Neurons. <i>Frontiers in Neuroscience</i> , 2018, 12, 923.	1.4	4
28	Additive neuroprotective effects of 24(S)-hydroxycholesterol and allopregnanolone in an ex vivo rat glaucoma model. <i>Scientific Reports</i> , 2018, 8, 12851.	1.6	4
29	Chemogenetic Isolation Reveals Synaptic Contribution of $\hat{\gamma}$ GABA _A Receptors in Mouse Dentate Granule Neurons. <i>Journal of Neuroscience</i> , 2018, 38, 8128-8145.	1.7	21
30	Neurosteroids and Oxysterols as Potential Therapeutic Agents for Glaucoma and Alzheimer's Disease. <i>Neuropsychiatry</i> , 2018, 08, 344-359.	0.4	15
31	Use of Ketamine in Clinical Practice. <i>JAMA Psychiatry</i> , 2017, 74, 405.	6.0	11
32	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
33	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.	1.3	29
34	24S-hydroxycholesterol and 25-hydroxycholesterol differentially impact hippocampal neuronal survival following oxygen-glucose deprivation. <i>PLoS ONE</i> , 2017, 12, e0174416.	1.1	29
35	Neuregulin and Dopamine D4 Receptors Contribute Independently to Depotentialization of Schaffer Collateral LTP by Temporoammonic Path Stimulation. <i>ENeuro</i> , 2017, 4, ENEURO.0176-17.2017.	0.9	6
36	Dissection method affects electrophysiological properties of hippocampal slices. , 2017, 3, 94-101.		0

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37	GABA and Endocannabinoids Mediate Depotentiation of Schaffer Collateral Synapses Induced by Stimulation of Temporoammonic Inputs. <i>PLoS ONE</i> , 2016, 11, e0149034.	1.1	13
38	24(S)-Hydroxycholesterol protects the ex vivo rat retina from injury by elevated hydrostatic pressure. <i>Scientific Reports</i> , 2016, 6, 33886.	1.6	20
39	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
40	A Clickable Analogue of Ketamine Retains NMDA Receptor Activity, Psychoactivity, and Accumulates in Neurons. <i>Scientific Reports</i> , 2016, 6, 38808.	1.6	13
41	Ketamine: NMDA Receptors and Beyond. <i>Journal of Neuroscience</i> , 2016, 36, 11158-11164.	1.7	147
42	TSPO activation modulates the effects of high pressure in a rat ex vivo glaucoma model. <i>Neuropharmacology</i> , 2016, 111, 142-159.	2.0	18
43	A clickable neurosteroid photolabel reveals selective Golgi compartmentalization with preferential impact on proximal inhibition. <i>Neuropharmacology</i> , 2016, 108, 193-206.	2.0	19
44	Short-term environmental enrichment enhances synaptic plasticity in hippocampal slices from aged rats. <i>Neuroscience</i> , 2016, 329, 294-305.	1.1	49
45	24(S)-Hydroxycholesterol as a Modulator of Neuronal Signaling and Survival. <i>Neuroscientist</i> , 2016, 22, 132-144.	2.6	75
46	Corticosterone enhances the potency of ethanol against hippocampal long-term potentiation via local neurosteroid synthesis. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 254.	1.8	10
47	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
48	Experimentally Induced Mammalian Models of Glaucoma. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	45
49	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.	1.3	7
50	Quantification of bursting and synchrony in cultured hippocampal neurons. <i>Journal of Neurophysiology</i> , 2015, 114, 1059-1071.	0.9	29
51	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.	1.4	10
52	Nitrous Oxide for Treatment-Resistant Major Depression: A Proof-of-Concept Trial. <i>Biological Psychiatry</i> , 2015, 78, 10-18.	0.7	168
53	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
54	Neurosteroids Are Endogenous Neuroprotectants in an Ex Vivo Glaucoma Model. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8531-8541.	3.3	35

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55	Acute and chronic effects of ethanol on learning-related synaptic plasticity. <i>Alcohol</i> , 2014, 48, 1-17.	0.8	135
56	Expression of Nampt in Hippocampal and Cortical Excitatory Neurons Is Critical for Cognitive Function. <i>Journal of Neuroscience</i> , 2014, 34, 5800-5815.	1.7	50
57	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.	2.9	28
58	Metaplastic effects of subanesthetic ketamine on CA1 hippocampal function. <i>Neuropharmacology</i> , 2014, 86, 273-281.	2.0	46
59	Different oxysterols have opposing actions at N-methyl-d-aspartate receptors. <i>Neuropharmacology</i> , 2014, 85, 232-242.	2.0	69
60	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.	1.7	204
61	Indistinguishable Synaptic Pharmacodynamics of the N-Methyl-d-Aspartate Receptor Channel Blockers Memantine and Ketamine. <i>Molecular Pharmacology</i> , 2013, 84, 935-947.	1.0	55
62	Metaplastic LTP inhibition after LTD induction in CA1 hippocampal slices involves NMDA Receptor-mediated Neurosteroidogenesis. <i>Physiological Reports</i> , 2013, 1, e00133.	0.7	18
63	Neurosteroids, stress and depression: Potential therapeutic opportunities. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 109-122.	2.9	158
64	Locally-generated acetaldehyde is involved in ethanol-mediated LTP inhibition in the hippocampus. <i>Neuroscience Letters</i> , 2013, 537, 40-43.	1.0	14
65	Neurosteroids as Therapeutic Leads in Psychiatry. <i>JAMA Psychiatry</i> , 2013, 70, 659.	6.0	20
66	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.	0.2	14
67	Cross talk between synaptic receptors mediates NMDA-induced suppression of inhibition. <i>Journal of Neurophysiology</i> , 2012, 107, 2532-2540.	0.9	7
68	Characteristics of concatemeric GABA _A receptors containing $\alpha 4$ subunits expressed in <i>Xenopus</i> oocytes. <i>British Journal of Pharmacology</i> , 2012, 165, 2228-2243.	2.7	43
69	NMDA Receptors, mGluR5, and Endocannabinoids are Involved in a Cascade Leading to Hippocampal Long-Term Depression. <i>Neuropsychopharmacology</i> , 2012, 37, 609-617.	2.8	51
70	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.	2.9	20
71	NMDA receptors and metaplasticity: Mechanisms and possible roles in neuropsychiatric disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 989-1000.	2.9	108
72	Downregulation of Glutamine Synthetase via GLAST Suppression Induces Retinal Axonal Swelling in a Rat Ex Vivo Hydrostatic Pressure Model. , 2011, 52, 6604.		33

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73	Ethanol Enhances Neurosteroidogenesis in Hippocampal Pyramidal Neurons by Paradoxical NMDA Receptor Activation. <i>Journal of Neuroscience</i> , 2011, 31, 9905-9909.	1.7	66
74	Kinetic and Structural Determinants for GABA-A Receptor Potentiation by Neuroactive Steroids. <i>Current Neuropharmacology</i> , 2010, 8, 18-25.	1.4	21
75	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.	1.7	87
76	Effects of Acutely Elevated Hydrostatic Pressure in a Rat Ex Vivo Retinal Preparation. , 2010, 51, 6414.		27
77	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
78	Neuroprotective effects of pyruvate following NMDA-mediated excitotoxic insults in hippocampal slices. <i>Neuroscience Letters</i> , 2010, 478, 131-135.	1.0	26
79	The sticky issue of neurosteroids and GABAA 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	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.	0.9	63
82	Neurosteroid analogues. 12. Potent enhancement of GABA-mediated chloride currents at GABAA receptors by ent-androgens. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 107-113.	2.6	30
83	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
84	Direct Cortical Inputs Erase Long-Term Potentiation at Schaffer Collateral Synapses. <i>Journal of Neuroscience</i> , 2008, 28, 9557-9563.	1.7	35
85	Brain stimulation & the treatment of refractory psychiatric disorders. <i>Missouri Medicine</i> , 2008, 105, 57-61.	0.3	0
86	Neuroexcitatory actions of Tamiflu and its carboxylate metabolite. <i>Neuroscience Letters</i> , 2007, 426, 54-58.	1.0	82
87	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.	1.3	36
88	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.	1.2	44
89	Mechanisms of neurosteroid interactions with GABAA receptors. , 2007, 116, 35-57.		136
90	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.	1.0	10

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91	Zinc Modulates Bidirectional Hippocampal Plasticity by Effects on NMDA Receptors. <i>Journal of Neuroscience</i> , 2006, 26, 7181-7188.	1.7	140
92	Nitrous Oxide (Laughing Gas) Facilitates Excitability in Rat Hippocampal Slices through $\hat{3}$ -Aminobutyric Acid A Receptor-mediated Disinhibition. <i>Anesthesiology</i> , 2005, 102, 230-234.	1.3	16
93	Ammonia-mediated LTP inhibition: Effects of NMDA receptor antagonists and l-carnitine. <i>Neurobiology of Disease</i> , 2005, 20, 615-624.	2.1	24
94	Neurosteroid Access to the GABAA Receptor. <i>Journal of Neuroscience</i> , 2005, 25, 11605-11613.	1.7	144
95	New evidence that both T-type calcium channels and GABAA channels are responsible for the potent peripheral analgesic effects of $5\hat{1}\pm$ -reduced neuroactive steroids. <i>Pain</i> , 2005, 114, 429-443.	2.0	121
96	Selective Antagonism of $5\hat{1}\pm$ -Reduced Neurosteroid Effects at GABAA Receptors. <i>Molecular Pharmacology</i> , 2004, 65, 1191-1197.	1.0	81
97	$5\hat{1}^2$ -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.	1.0	80
98	Slow Actions of Neuroactive Steroids at GABAA Receptors. <i>Journal of Neuroscience</i> , 2004, 24, 6667-6675.	1.7	102
99	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
100	Neurosteroid Analogues. 9. Conformationally Constrained Pregnanes: Structure-Activity Studies of 13,24-Cyclo-18,21-dinorcholane Analogues of the GABA Modulatory and Anesthetic Steroids ($3\hat{1}\pm, 5\hat{1}\pm$)- and ($3\hat{1}\pm, 5\hat{1}^2$)-3-Hydroxypregnan-20-one. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5334-5348.	2.9	31
101	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.	1.7	1,832
102	$3\hat{1}^2$ -Hydroxypregnane Steroids Are Pregnenolone Sulfate-Like GABAAR Receptor Antagonists. <i>Journal of Neuroscience</i> , 2002, 22, 3366-3375.	1.7	141
103	Recent developments in structure-activity relationships for steroid modulators of GABAA receptors. <i>Brain Research Reviews</i> , 2001, 37, 91-97.	9.1	73
104	Basal levels of adenosine modulate mGluR5 on rat hippocampal astrocytes. <i>Glia</i> , 2001, 33, 24-35.	2.5	24
105	Neural Activity and Survival in the Developing Nervous System. <i>Molecular Neurobiology</i> , 2000, 22, 041-054.	1.9	111
106	Pregnenolone Sulfate Modulates Inhibitory Synaptic Transmission by Enhancing GABA _A Receptor Desensitization. <i>Journal of Neuroscience</i> , 2000, 20, 3571-3579.	1.7	93
107	Steroid Inhibition of Rat Neuronal Nicotinic $\hat{4}^2$ Receptors Expressed in HEK 293 Cells. <i>Molecular Pharmacology</i> , 2000, 58, 341-351.	1.0	73
108	Müller cell swelling, glutamate uptake, and excitotoxic neurodegeneration in the isolated rat retina. , 1999, 25, 379-389.		53

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109	Norepinephrine promotes long-term potentiation in the adult rat hippocampus in vitro. , 1999, 31, 196-202.		98
110	Pregnenolone sulfate and dehydroepiandrosterone sulfate inhibit GABA-gated chloride currents in Xenopus oocytes expressing picrotoxin-insensitive GABAA receptors. Neuropharmacology, 1999, 38, 267-271.	2.0	55
111	MÄ¼ller cell swelling, glutamate uptake, and excitotoxic neurodegeneration in the isolated rat retina. , 1999, 25, 379.		1
112	Oxygen Deprivation Produces Delayed Inhibition of Long-Term Potentiation by Activation of NMDA Receptors and Nitric Oxide Synthase. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 97-108.	2.4	19
113	Enantioselective modulation of GABAergic synaptic transmission by steroids and benz[e]indenes in hippocampal microcultures. , 1998, 29, 162-171.		30
114	Neurosteroid Analogues. 6. The Synthesis and GABAAReceptor Pharmacology of Enantiomers of Dehydroepiandrosterone Sulfate, Pregnenolone Sulfate, and (3Î±,5Î²)-3-Hydroxypregnan-20-one Sulfate. Journal of Medicinal Chemistry, 1998, 41, 2604-2613.	2.9	66
115	Enantioselective Blockade of T-type Ca ²⁺ Current in Adult Rat Sensory Neurons by a Steroid That Lacks Î³-Aminobutyric Acid-Modulatory Activity. Molecular Pharmacology, 1998, 54, 918-927.	1.0	50
116	Effect of Nitrous Oxide on Excitatory and Inhibitory Synaptic Transmission in Hippocampal Cultures. Journal of Neuroscience, 1998, 18, 9716-9726.	1.7	181
117	Neurosteroid analogues. Part 5.1 Enantiomers of neuroactive steroids and benz[e]indenes: total synthesis, electrophysiological effects on GABAA receptor function and anesthetic actions in tadpoles. Journal of the Chemical Society Perkin Transactions 1, 1997, , 3665-3672.	0.9	32
118	Monocarboxylates (pyruvate and lactate) as alternative energy substrates for the induction of long-term potentiation in rat hippocampal slices. Neuroscience Letters, 1997, 232, 17-20.	1.0	50
119	Noradrenergic Regulation of Synaptic Plasticity in the Hippocampal CA1 Region. Journal of Neurophysiology, 1997, 77, 3013-3020.	0.9	232
120	Involvement of nitric oxide in low glucose-mediated inhibition of hippocampal long-term potentiation. , 1997, 25, 258-262.		25
121	Swelling of MÄ¼ller cells induced by AP3 and glutamate transport substrates in rat retina. , 1996, 17, 285-293.		22
122	Developmental changes in long-term potentiation in CA1 of rat hippocampal slices. Synapse, 1995, 20, 19-23.	0.6	37
123	Platelet-activating factor as a potential retrograde messenger in CA1 hippocampal long-term potentiation. Nature, 1994, 367, 175-179.	13.7	279
124	Glial contributions to excitatory neurotransmission in cultured hippocampal cells. Nature, 1994, 368, 59-62.	13.7	317
125	Concanavalin a enhances excitatory synaptic transmission in cultured rat hippocampal neurons. Synapse, 1993, 13, 94-97.	0.6	15
126	Excitotoxic neuronal damage and neuropsychiatric disorders. , 1993, 59, 145-162.		74

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127	Low concentrations of inhibit the induction of long-term potentiation in rat hippocampal slices. <i>Neuroscience Letters</i> , 1992, 137, 245-248.	1.0	57
128	Norepinephrine reverses inhibition of long-term potentiation in rat hippocampal slices. <i>Neuroscience Letters</i> , 1992, 142, 163-166.	1.0	21
129	The treatment of late age onset psychoses with electroconvulsive therapy. <i>International Journal of Geriatric Psychiatry</i> , 1992, 7, 183-189.	1.3	6
130	Volatile anesthetics gate a chloride current in postnatal rat hippocampal neurons. <i>FASEB Journal</i> , 1992, 6, 914-918.	0.2	41
131	<i>Response</i> : Carbamate Formation and the Neurotoxicity of L- \pm Amino Acids. <i>Science</i> , 1991, 251, 1619-1620.	6.0	2
132	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.	3.7	3
133	Ketamine, Phencyclidine, and MK-801 Protect Against Kainic Acid-Induced Seizure-Related Brain Damage. <i>Epilepsia</i> , 1990, 31, 382-390.	2.6	201
134	Calcium-dependent, slow desensitization distinguishes different types of glutamate receptors. <i>Cellular and Molecular Neurobiology</i> , 1989, 9, 95-104.	1.7	55
135	ECT: Clinical Variables, Seizure Duration, and Outcome. <i>Convulsive Therapy</i> , 1986, 2, 109-119.	0.1	8
136	Acute Effects of Lithium on Hippocampal Kindled Seizures. <i>Epilepsia</i> , 1985, 26, 689-692.	2.6	23
137	Acute effects of antidepressants on hippocampal seizures. <i>Annals of Neurology</i> , 1985, 18, 692-697.	2.8	31
138	Studies of Glial Glutamate Transporters in Hippocampal Microcultures. , 0, , 217-238.		0