Fulton T Crews

List of Publications by Citations

232 papers	16,840 citations	69 h-index	124 g-index
260 ext. papers	18,762 ext. citations	5.6 avg, IF	7 L-index

#	Paper	IF	Citations
232	Systemic LPS causes chronic neuroinflammation and progressive neurodegeneration. *Glia*, **2007**, 55, 453-62	5.9	1449
231	Adolescent cortical development: a critical period of vulnerability for addiction. *Pharmacology Biochemistry and Behavior*, **2007**, 86, 189-99	3.9	756
230	Impulsivity, frontal lobes and risk for addiction. *Pharmacology Biochemistry and Behavior*, **2009**, 93, 237-47	3.9	455
229	Mechanisms of neurodegeneration and regeneration in alcoholism. *Alcohol and Alcoholism*, **2009**, 44, 115-27	3.5	412
228	Increased systemic and brain cytokine production and neuroinflammation by endotoxin following ethanol treatment. *Journal of Neuroinflammation*, **2008**, 5, 10	10.1	369
227	Increased MCP-1 and microglia in various regions of the human alcoholic brain. *Experimental Neurology*, **2008**, 210, 349-58	5.7	363
226	Binge Ethanol Consumption Causes Differential Brain Damage in Young Adolescent Rats Compared With Adult Rats. *Alcoholism: Clinical and Experimental Research*, **2000**, 24, 1712-1723	3.7	358
225	Binge ethanol exposure decreases neurogenesis in adult rat hippocampus. *Journal of Neurochemistry*, **2002**, 83, 1087-93	6	351
224	Pharmacological treatment of alcohol dependence: a review of the evidence. *JAMA - Journal of the American Medical Association*, **1999**, 281, 1318-25	27.4	346
223	TNF alpha potentiates glutamate neurotoxicity by inhibiting glutamate uptake in organotypic brain slice cultures: neuroprotection by NF kappa B inhibition. *Brain Research*, **2005**, 1034, 11-24	3.7	323
222	Presynaptic alpha-receptor subsensitivity after long-term antidepressant treatment. *Science*, **1978**, 202, 322-4	33.3	300
221	Induction of innate immune genes in brain create the neurobiology of addiction. *Brain, Behavior, and Immunity*, **2011**, 25 Suppl 1, S4-S12	16.6	226
220	Effects of ethanol on ion channels. *International Review of Neurobiology*, **1996**, 39, 283-367	4.4	226
219	Identification and properties of methyltransferases that synthesize phosphatidylcholine in rat brain synaptosomes. *Journal of Neurochemistry*, **1980**, 34, 1491-8	6	201
218	Cognitive deficits and CNS damage after a 4-day binge ethanol exposure in rats. *Pharmacology Biochemistry and Behavior*, **2002**, 72, 521-32	3.9	197
217	Neurogenesis in adolescent brain is potently inhibited by ethanol. *Neuroscience*, **2006**, 137, 437-45	3.9	194
216	Binge Ethanol Exposure in Adult Rats Causes Necrotic Cell Death. *Alcoholism: Clinical and Experimental Research*, **2002**, 26, 547-557	3.7	185

215	Temporally specific burst in cell proliferation increases hippocampal neurogenesis in protracted abstinence from alcohol. *Journal of Neuroscience*, **2004**, 24, 9714-22	6.6	184
214	NADPH oxidase and aging drive microglial activation, oxidative stress, and dopaminergic neurodegeneration following systemic LPS administration. *Glia*, **2013**, 61, 855-68	9	181
213	High mobility group box 1/Toll-like receptor danger signaling increases brain neuroimmune activation in alcohol dependence. *Biological Psychiatry*, **2013**, 73, 602-12	7.9	180
212	NADPH oxidase and reactive oxygen species contribute to alcohol-induced microglial activation and neurodegeneration. *Journal of Neuroinflammation*, **2012**, 9, 5	10.1	177
211	Chronic ethanol exposure potentiates NMDA excitotoxicity in cerebral cortical neurons. *Journal of Neurochemistry*, **1993**, 60, 1578-81	6	176
210	Adolescent Alcohol Exposure Persistently Impacts Adult Neurobiology and Behavior. *Pharmacological Reviews*, **2016**, 68, 1074-1109	22.5	166
209	BHT blocks NF-kappaB activation and ethanol-induced brain damage. *Alcoholism: Clinical and Experimental Research*, **2006**, 30, 1938-49	3.7	153
208	The role of neuroimmune signaling in alcoholism. *Neuropharmacology*, **2017**, 122, 56-73	5.5	147
207	Chronic alcohol exposure reduces hippocampal neurogenesis and dendritic growth of newborn neurons. *European Journal of Neuroscience*, **2005**, 21, 2711-20	3.5	140
206	Mechanisms of neuroimmune gene induction in alcoholism. *Psychopharmacology*, **2016**, 233, 1543-57	4.7	129
205	CREB and NF-kappaB transcription factors regulate sensitivity to excitotoxic and oxidative stress induced neuronal cell death. *Cellular and Molecular Neurobiology*, **2006**, 26, 385-405	4.6	128
204	Adolescent binge drinking alters adult brain neurotransmitter gene expression, behavior, brain regional volumes, and neurochemistry in mice. *Alcoholism: Clinical and Experimental Research*, **2011**, 35, 671-88	3.7	127
203	Chronic ethanol increases systemic TLR3 agonist-induced neuroinflammation and neurodegeneration. *Journal of Neuroinflammation*, **2012**, 9, 130	10.1	126
202	Adolescent binge drinking increases expression of the danger signal receptor agonist HMGB1 and Toll-like receptors in the adult prefrontal cortex. *Neuroscience*, **2012**, 226, 475-88	3.9	125
201	Neurogenesis decreases during brain maturation from adolescence to adulthood. *Pharmacology Biochemistry and Behavior*, **2007**, 86, 327-33	3.9	123
200	Guanine nucleotides stimulate production of inositol trisphosphate in rat cortical membranes. *Biochemical Journal*, **1985**, 232, 799-804	3.8	123
199	Induction of innate immune gene expression cascades in brain slice cultures by ethanol: key role of NF-B and proinflammatory cytokines. *Alcoholism: Clinical and Experimental Research*, **2010**, 34, 777-89	3.7	122
198	Concanavalin A stimulates phospholipid methylation and phosphatidylserine decarboxylation in rat mast cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1979**, 76, 4813-6	11.5	118

197	Acceleration of beta-receptor desensitization in combined administration of antidepressants and phenoxybenzamine. *Nature*, **1981**, 290, 787-9	50.4	118
196	Chronic ethanol increases N-methyl-D-aspartate-stimulated nitric oxide formation but not receptor density in cultured cortical neurons. *Molecular Pharmacology*, **1997**, 51, 733-40	4.3	117
195	Release of neuronal HMGB1 by ethanol through decreased HDAC activity activates brain neuroimmune signaling. *PLoS ONE*, **2014**, 9, e87915	3.7	114
194	Ethanol tolerance and synaptic plasticity. *Trends in Pharmacological Sciences*, **1998**, 19, 491-5	13.2	112
193	Adolescent binge ethanol treatment alters adult brain regional volumes, cortical extracellular matrix protein and behavioral flexibility. *Pharmacology Biochemistry and Behavior*, **2014**, 116, 142-51	3.9	108
192	Abstinence following alcohol drinking produces depression-like behavior and reduced hippocampal neurogenesis in mice. *Neuropsychopharmacology*, **2009**, 34, 1209-22	8.7	108
191	Ethanol inhibits NMDA receptor-mediated excitotoxicity in rat primary neuronal cultures. *Alcoholism: Clinical and Experimental Research*, **1993**, 17, 54-60	3.7	105
190	Microglial-derived miRNA let-7 and HMGB1 contribute to ethanol-induced neurotoxicity via TLR7. *Journal of Neuroinflammation*, **2017**, 14, 22	10.1	104
189	Binge ethanol exposure during adolescence leads to a persistent loss of neurogenesis in the dorsal and ventral hippocampus that is associated with impaired adult cognitive functioning. *Frontiers in Neuroscience*, **2015**, 9, 35	5.1	104
188	IgE-mediated histamine release in rat basophilic leukemia cells: receptor activation, phospholipid methylation, Ca2+ flux, and release of arachidonic acid. *Archives of Biochemistry and Biophysics*, **1981**, 212, 561-71	4.1	100
187	Alcoholic neurobiology: changes in dependence and recovery. *Alcoholism: Clinical and Experimental Research*, **2005**, 29, 1504-13	3.7	99
186	Increased receptor for advanced glycation end product expression in the human alcoholic prefrontal cortex is linked to adolescent drinking. *Neurobiology of Disease*, **2013**, 59, 52-62	7.5	97
185	Phospholipid methylation affects immunoglobulin E-mediated histamine and arachidonic acid release in rat leukemia basophils. *Biochemical and Biophysical Research Communications*, **1980**, 93, 42-9	3.4	97
184	Cholinergic- and adrenergic-stimulated inositide hydrolysis in brain: interaction, regional distribution, and coupling mechanisms. *Journal of Neurochemistry*, **1985**, 45, 1076-84	6	96
183	Exercise reverses ethanol inhibition of neural stem cell proliferation. *Alcohol*, **2004**, 33, 63-71	2.7	96
182	Induction of Cyclooxygenase-2 in Brain During Acute and Chronic Ethanol Treatment and Ethanol Withdrawal. *Alcoholism: Clinical and Experimental Research*, **1999**, 23, 633-643	3.7	95
181	Effects of a novel compound (AL 721) on HTLV-III infectivity in vitro. *New England Journal of Medicine*, **1985**, 313, 1289-90	59.2	90
180	Inflammasome-IL-1β Signaling Mediates Ethanol Inhibition of Hippocampal Neurogenesis. *Frontiers in Neuroscience*, **2012**, 6, 77	5.1	90

179	Neuroimmune basis of alcoholic brain damage. *International Review of Neurobiology*, **2014**, 118, 315-57	4.4	88
178	Toll-like receptor signaling and stages of addiction. *Psychopharmacology*, **2017**, 234, 1483-1498	4.7	87
177	Distinct cell proliferation events during abstinence after alcohol dependence: microglia proliferation precedes neurogenesis. *Neurobiology of Disease*, **2008**, 31, 218-29	7.5	87
176	A role for histone acetylation mechanisms in adolescent alcohol exposure-induced deficits in hippocampal brain-derived neurotrophic factor expression and neurogenesis markers in adulthood. *Brain Structure and Function*, **2016**, 221, 4691-4703	4	79
175	Microglial depletion alters the brain neuroimmune response to acute binge ethanol withdrawal. *Journal of Neuroinflammation*, **2017**, 14, 86	10.1	77
174	Phospholipase activation in the IgE-mediated and Ca2+ ionophore A23187-induced release of histamine from rat basophilic leukemia cells. *Archives of Biochemistry and Biophysics*, **1981**, 212, 572-80	4.1	77
173	Effects of aging on rat cortical presynaptic cholinergic processes. *Neurobiology of Aging*, **1984**, 5, 315-7	5.6	76
172	Ethanol enhances the endothelial nitric oxide synthase response to agonists. *Hypertension*, **1993**, 21, 939-43	8.5	75
171	Neuroimmune Function and the Consequences of Alcohol Exposure **2015**, 37, 331-41, 344-51		74
170	Biochemical changes of rat brain membranes with aging. *Neurochemical Research*, **1983**, 8, 483-92	4.6	72
169	Sweet liking, novelty seeking, and gender predict alcoholic status. *Alcoholism: Clinical and Experimental Research*, **2004**, 28, 1291-8	3.7	70
168	Alcohol withdrawal increases neuropeptide Y immunoreactivity in rat brain. *Alcoholism: Clinical and Experimental Research*, **2003**, 27, 1173-83	3.7	70
167	Persistent loss of hippocampal neurogenesis and increased cell death following adolescent, but not adult, chronic ethanol exposure. *Developmental Neuroscience*, **2014**, 36, 297-305	2.2	67
166	Effects of nicotine on ethanol dependence and brain damage. *Alcohol*, **2001**, 24, 45-54	2.7	67
165	Periadolescent ethanol exposure reduces adult forebrain ChAT+IR neurons: correlation with behavioral pathology. *Neuroscience*, **2011**, 199, 333-45	3.9	64
164	Associations between heavy drinking and changes in impulsive behavior among adolescent boys. *Alcoholism: Clinical and Experimental Research*, **2011**, 35, 295-303	3.7	64
163	Adolescent, but not adult, binge ethanol exposure leads to persistent global reductions of choline acetyltransferase expressing neurons in brain. *PLoS ONE*, **2014**, 9, e113421	3.7	63
162	Periadolescent ethanol vapor exposure persistently reduces measures of hippocampal neurogenesis that are associated with behavioral outcomes in adulthood. *Neuroscience*, **2013**, 244, 1-15	3.9	63

161	Further selection of rat lines differing in 5-HT-1A receptor sensitivity: behavioral and functional correlates. *Psychiatric Genetics*, **1996**, 6, 107-17	2.9	62
160	Binge-Like Alcohol Exposure During Adolescence Disrupts Dopaminergic Neurotransmission in the Adult Prelimbic Cortex. *Neuropsychopharmacology*, **2017**, 42, 1024-1036	8.7	61
159	Long-term suppression of forebrain neurogenesis and loss of neuronal progenitor cells following prolonged alcohol dependence in rats. *International Journal of Neuropsychopharmacology*, **2010**, 13, 583-93	5.8	61
158	Distinct angiotensin II receptor in primary cultures of glial cells from rat brain. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 4655-9	11.5	59
157	Receptor-mediated inositide hydrolysis is a neuronal response: comparison of primary neuronal and glial cultures. *Brain Research*, **1985**, 345, 350-5	3.7	58
156	Mechanisms of Persistent Neurobiological Changes Following Adolescent Alcohol Exposure: NADIA Consortium Findings. *Alcoholism: Clinical and Experimental Research*, **2019**, 43, 1806-1822	3.7	57
155	The cytokine mRNA increase induced by withdrawal from chronic ethanol in the sterile environment of brain is mediated by CRF and HMGB1 release. *Alcoholism: Clinical and Experimental Research*, **2013**, 37, 2086-97	3.7	57
154	Changes in cortical synaptosomal plasma membrane fluidity and composition in ethanol-dependent rats. *Psychopharmacology*, **1983**, 81, 208-13	4.7	57
153	Effects of verapamil on platelet aggregation, ATP release and thromboxane generation. *Thrombosis Research*, **1983**, 30, 469-75	8.2	56
152	Induction of Fos-Like Proteins and Ultrasonic Vocalizations during Ethanol Withdrawal: Further Evidence for Withdrawal-Induced Anxiety. *Alcoholism: Clinical and Experimental Research*, **1998**, 22, 481-493	3.7	55
151	Endotoxin induces a delayed loss of TH-IR neurons in substantia nigra and motor behavioral deficits. *NeuroToxicology*, **2008**, 29, 864-70	4.4	53
150	NMDA Receptor Binding in Adult Rat Brain after Several Chronic Ethanol Treatment Protocols. *Alcoholism: Clinical and Experimental Research*, **1997**, 21, 1508-1519	3.7	51
149	Regional Specificity Of Ethanol and NMDA Action in Brain Revealed With FOS-Like Immunohistochemistry and Differential Routes of Drug Administration. *Alcoholism: Clinical and Experimental Research*, **2001**, 25, 1662-1672	3.7	51
148	Ethanol, TLR3, and TLR4 Agonists Have Unique Innate Immune Responses in Neuron-Like SH-SY5Y and Microglia-Like BV2. *Alcoholism: Clinical and Experimental Research*, **2017**, 41, 939-954	3.7	49
147	Adolescent intermittent ethanol exposure is associated with increased risky choice and decreased dopaminergic and cholinergic neuron markers in adult rats. *International Journal of Neuropsychopharmacology*, **2014**, 18,	5.8	49
146	Chronically Implanted, Nafion-Coated Ag/AgCl Reference Electrodes for Neurochemical Applications. *ACS Chemical Neuroscience*, **2011**, 2, 658-666	5.7	48
145	Neurotoxicity and Neurocognitive Impairments With Alcohol and Drug-Use Disorders: Potential Roles in Addiction and Recovery. *Alcoholism: Clinical and Experimental Research*, **2001**, 25, 317-321	3.7	47
144	Current hypotheses on the mechanisms of alcoholism. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2014**, 125, 477-97	3	46

143	Association between sweet preference and paternal history of alcoholism in psychiatric and substance abuse patients. *Alcoholism: Clinical and Experimental Research*, **2003**, 27, 1929-36	3.7	46
142	Persistent Adult Neuroimmune Activation and Loss of Hippocampal Neurogenesis Following Adolescent Ethanol Exposure: Blockade by Exercise and the Anti-inflammatory Drug Indomethacin. *Frontiers in Neuroscience*, **2018**, 12, 200	5.1	45
141	Calcium- versus G protein-mediated phosphoinositide. Hydrolysis in rat cerebral cortical synaptoneurosomes. *Journal of Neurochemistry*, **1990**, 55, 1022-30	6	45
140	Postnatal day 7 ethanol treatment causes persistent reductions in adult mouse brain volume and cortical neurons with sex specific effects on neurogenesis. *Alcohol*, **2012**, 46, 603-12	2.7	44
139	Verapamil protects dopaminergic neuron damage through a novel anti-inflammatory mechanism by inhibition of microglial activation. *Neuropharmacology*, **2011**, 60, 373-80	5.5	44
138	Diffusion tensor imaging reveals adolescent binge ethanol-induced brain structural integrity alterations in adult rats that correlate with behavioral dysfunction. *Addiction Biology*, **2016**, 21, 939-53	4.6	43
137	Ethanol, stroke, brain damage, and excitotoxicity. *Pharmacology Biochemistry and Behavior*, **1998**, 59, 981-91	3.9	43
136	Innate Immune Signaling and Alcohol Use Disorders. *Handbook of Experimental Pharmacology*, **2018** , 248, 369-396	3.2	42
135	1H NMR-based metabolomic analysis of liver, serum, and brain following ethanol administration in rats. *Chemical Research in Toxicology*, **2008**, 21, 408-20	4	42
134	Rat basophilic leukemia cell lines defective in phospholipid methyltransferase enzymes, Ca2+ influx, and histamine release: reconstitution by hybridization. *Proceedings of the National Academy of Sciences of the United States of America*, **1981**, 78, 6176-80	11.5	42
133	Suppression of Alcohol Intake by Chronic Naloxone Treatment in P Rats: Tolerance Development and Elevation of Opiate Receptor Binding. *Alcoholism: Clinical and Experimental Research*, **1999**, 23, 1761-1771	3.7	41
132	Adolescent alcohol exposure decreases frontostriatal resting-state functional connectivity in adulthood. *Addiction Biology*, **2018**, 23, 810-823	4.6	39
131	Brain 5-HT1A receptor autoradiography and hypothermic responses in rats bred for differences in 8-OH-DPAT sensitivity. *Brain Research*, **1998**, 782, 1-10	3.7	39
130	The Verdict on Freud. *Psychological Science*, **1996**, 7, 63-68	7.9	39
129	Adolescent intermittent ethanol exposure enhances ethanol activation of the nucleus accumbens while blunting the prefrontal cortex responses in adult rat. *Neuroscience*, **2015**, 293, 92-108	3.9	38
128	Adult rat cortical thickness changes across age and following adolescent intermittent ethanol treatment. *Addiction Biology*, **2017**, 22, 712-723	4.6	38
127	Insulin-like growth factor I receptor binding in brains of Alzheimer's and alcoholic patients. *Journal of Neurochemistry*, **1992**, 58, 1205-10	6	38
126	HMGB1/IL-1 complexes regulate neuroimmune responses in alcoholism. *Brain, Behavior, and Immunity*, **2018**, 72, 61-77	16.6	38

125	ATP-P2X7 receptor signaling controls basal and TNFα-stimulated glial cell proliferation. *Glia*, **2012**, 60, 661-73	9	37
124	Angiotensin II receptor subtypes play opposite roles in regulating phosphatidylinositol hydrolysis in rat skin slices. *Biochemical and Biophysical Research Communications*, **1992**, 186, 285-92	3.4	36
123	Phorbol esters inhibit agonist-stimulated phosphoinositide hydrolysis in neuronal primary cultures. *Developmental Brain Research*, **1987**, 465, 59-66		36
122	Down-regulation of serotonin2, but not of beta-adrenergic receptors during chronic treatment with amitriptyline is independent of stimulation of serotonin2 and beta-adrenergic receptors. *Neuropharmacology*, **1986**, 25, 1301-6	5.5	36
121	Addiction, adolescence, and innate immune gene induction. *Frontiers in Psychiatry*, **2011**, 2, 19	5	35
120	Deficits in adult prefrontal cortex neurons and behavior following early post-natal NMDA antagonist treatment. *Pharmacology Biochemistry and Behavior*, **2009**, 93, 322-30	3.9	35
119	Comparison of umbilical vein models for measurement of relative prostacyclin and thromboxane production. *Prostaglandins*, **1982**, 24, 743-9		35
118	Alcohol, neural stem cells, and adult neurogenesis. *Alcohol Research*, **2003**, 27, 197-204		35
117	Adolescent binge ethanol-induced loss of basal forebrain cholinergic neurons and neuroimmune activation are prevented by exercise and indomethacin. *PLoS ONE*, **2018**, 13, e0204500	3.7	35
116	Alcohol and Stress Activation of Microglia and Neurons: Brain Regional Effects. *Alcoholism: Clinical and Experimental Research*, **2017**, 41, 2066-2081	3.7	33
115	Peri-adolescent ethanol vapor exposure produces reductions in hippocampal volume that are correlated with deficits in prepulse inhibition of the startle. *Alcoholism: Clinical and Experimental Research*, **2013**, 37, 1466-75	3.7	33
114	Cholinergic and serotonergic stimulation of phosphoinositide hydrolysis is decreased in Alzheimer's disease. *Life Sciences*, **1994**, 55, 1993-2002	6.8	33
113	Alcohol and Neurodegeneration. *CNS Neuroscience & Therapeutics*, **2006**, 5, 379-394		32
112	Rapid down-regulation of serotonin2 receptor binding during combined administration of tricyclic antidepressant drugs and alpha 2 antagonists. *Neuropharmacology*, **1983**, 22, 1203-9	5.5	32
111	Binge ethanol treatment causes greater brain damage in alcohol-preferring P rats than in alcohol-nonpreferring NP rats. *Alcoholism: Clinical and Experimental Research*, **2003**, 27, 1075-82	3.7	31
110	Age dependent changes in the methylation of rat brain phospholipids. *Brain Research*, **1981**, 229, 256-9	3.7	31
109	Adolescent Intermittent Alcohol Exposure: Deficits in Object Recognition Memory and Forebrain Cholinergic Markers. *PLoS ONE*, **2015**, 10, e0140042	3.7	30
108	Deep-level transient spectroscopy studies of silicon detectors after 24GeV proton irradiation and 1MeV neutron irradiation. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 457, 588-594	1.2	30

107	Comparison of magnetic resonance imaging in live vs. post mortem rat brains. *PLoS ONE*, **2013**, 8, e71027	3.7	30
106	Species differences in regional patterns of 3H-8-OH-DPAT and 3H-zolpidem binding in the rat and human brain. *Pharmacology Biochemistry and Behavior*, **1998**, 60, 439-48	3.9	28
105	Regulation of inositol transport by glucose and protein kinase C in mesangial cells. *Kidney International*, **1992**, 42, 33-40	9.9	28
104	Differential regulation of phosphoinositide phosphodiesterase activity in brain membranes by guanine nucleotides and calcium. *Journal of Neurochemistry*, **1988**, 50, 1522-8	6	28
103	Phospholipid methyltransferase asymmetry in synaptosomal membranes. *Neurochemical Research*, **1980**, 5, 983-91	4.6	28
102	Abstinence from moderate alcohol self-administration alters progenitor cell proliferation and differentiation in multiple brain regions of male and female P rats. *Alcoholism: Clinical and Experimental Research*, **2009**, 33, 129-38	3.7	27
101	Receptors for phorbol esters are primarily localized in neurons: comparison of neuronal and glial cultures. *Neurochemical Research*, **1988**, 13, 51-6	4.6	27
100	Effects of ethanol in vivo and in vitro on stimulated phosphoinositide hydrolysis in rat cortex and cerebellum. *Alcoholism: Clinical and Experimental Research*, **1988**, 12, 94-8	3.7	27
99	Induction of Cyclooxygenase-2 in Brain During Acute and Chronic Ethanol Treatment and Ethanol Withdrawal. *Alcoholism: Clinical and Experimental Research*, **1999**, 23, 633	3.7	27
98	Adolescent intermittent ethanol reduces serotonin expression in the adult raphe nucleus and upregulates innate immune expression that is prevented by exercise. *Brain, Behavior, and Immunity*, **2017**, 60, 333-345	16.6	26
97	Focal thalamic degeneration from ethanol and thiamine deficiency is associated with neuroimmune gene induction, microglial activation, and lack of monocarboxylic acid transporters. *Alcoholism: Clinical and Experimental Research*, **2014**, 38, 657-71	3.7	26
96	Neuroimmune and epigenetic involvement in adolescent binge ethanol-induced loss of basal forebrain cholinergic neurons: Restoration with voluntary exercise. *Addiction Biology*, **2020**, 25, e12731	4.6	26
95	Cholinergic stimulation of hippocampal pyramidal cells is inhibited by increasing membrane cholesterol. *Brain Research*, **1983**, 261, 155-8	3.7	25
94	Rapid desensitization of cerebral cortical beta-adrenergic receptors induced by desmethylimipramine and phenoxybenzamine. *European Journal of Pharmacology*, **1980**, 62, 349-50	5.3	25
93	Microglial depletion and repopulation in brain slice culture normalizes sensitized proinflammatory signaling. *Journal of Neuroinflammation*, **2020**, 17, 27	10.1	24
92	Persistent Decreases in Adult Subventricular and Hippocampal Neurogenesis Following Adolescent Intermittent Ethanol Exposure. *Frontiers in Behavioral Neuroscience*, **2017**, 11, 151	3.5	22
91	Uncoupling of muscarinic cholinergic phosphoinositide signals in senescent cerebral cortical and hippocampal membranes. *Neurochemistry International*, **1998**, 32, 107-15	4.4	20
90	Use of a multiwell fluorescence scanner with propidium iodide to assess NMDA mediated excitotoxicity in rat cortical neuronal cultures. *Neuroscience Letters*, **1997**, 221, 149-52	3.3	19

89	Age-related loss of cholinergic-muscarinic coupling to PLC: comparison with changes in brain regional PLC subtypes mRNA distribution. *Brain Research*, **1996**, 708, 143-52	3.7	19
88	Effects of nBM lesions on muscarinic-stimulation of phosphoinositide hydrolysis. *Neurobiology of Aging*, **1989**, 10, 191-7	5.6	19
87	Hydrocortisone selectively inhibits IgE-dependent arachidonic acid release from rat peritoneal mast cells. *Prostaglandins*, **1984**, 27, 335-43		19
86	LPS-TLR4 Pathway Mediates Ductular Cell Expansion in Alcoholic Hepatitis. *Scientific Reports*, **2016**, 6, 35610	4.9	19
85	Changes in Neuroimmune and Neuronal Death Markers after Adolescent Alcohol Exposure in Rats are Reversed by Donepezil. *Scientific Reports*, **2019**, 9, 12110	4.9	18
84	Alcohol-related neurodegeneration and recovery: mechanisms from animal models. *Alcohol Research*, **2008**, 31, 377-88		18
83	Neuroimmune and epigenetic mechanisms underlying persistent loss of hippocampal neurogenesis following adolescent intermittent ethanol exposure. *Current Opinion in Pharmacology*, **2020**, 50, 9-16	5.1	18
82	HMGB1/IL-1 complexes in plasma microvesicles modulate immune responses to burn injury. *PLoS ONE*, **2018**, 13, e0195335	3.7	17
81	Automatic Skull-stripping of Rat MRI/DTI Scans and Atlas Building. *Proceedings of SPIE*, **2011**, 7962, 79622 1-7962257		17
80	Proton nuclear magnetic resonance spectroscopic determination of ethanol-induced formation of ethyl glucuronide in liver. *Analytical Biochemistry*, **2006**, 358, 185-91	3.1	17
79	Decreased carbachol-stimulated inositol 1,3,4,5-tetrakisphosphate formation in senescent rat cerebral cortical slices. *Neurobiology of Aging*, **1992**, 13, 521-6	5.6	17
78	Inferior collicular seizure generalization produces site-selective cortical induction of cyclooxygenase 2 (COX-2). *Brain Research*, **1997**, 767, 370-4	3.7	16
77	Ethanol Pretreatment Enhances NMDA Excitotoxicity in Biogenic Amine Neurons: Protection by Brain Derived Neurotrophic Factor. *Alcoholism: Clinical and Experimental Research*, **1999**, 23, 1834-1842	3.7	16
76	TLR7-let-7 Signaling Contributes to Ethanol-Induced Hepatic Inflammatory Response in Mice and in Alcoholic Hepatitis. *Alcoholism: Clinical and Experimental Research*, **2018**, 42, 2107-2122	3.7	14
75	Protein kinase C agonists increase the expression of angiotensin II receptors in neuronal cultures. *Journal of Neurochemistry*, **1987**, 48, 1954-61	6	14
74	Lipids are major components of human immunodeficiency virus (HIV): Modification of HIV lipid composition, membrane organization, and protein conformation by AL-721 . *Drug Development Research*, **1988**, 14, 31-44	5.1	14
73	Increase in serotonin2 receptor density in rat cerebral cortex slices by stimulation of beta-adrenergic receptors. *Biochemical Pharmacology*, **1985**, 34, 1585-8	6	14
72	The Toll-Like Receptor 3 Agonist Poly(I:C) Induces Rapid and Lasting Changes in Gene Expression Related to Glutamatergic Function and Increases Ethanol Self-Administration in Rats. *Alcoholism: Clinical and Experimental Research*, **2019**, 43, 48-60	3.7	14

71	Adolescent Alcohol Exposure Produces Protracted Cognitive-Behavioral Impairments in Adult Male and Female Rats. *Brain Sciences*, **2020**, 10,	3.4	13
70	Rapid changes in phospholipid metabolism during secretion and receptor activation. *International Review of Neurobiology*, **1982**, 23, 141-63	4.4	13
69	Glutamate/NMDA excitotoxicity and HMGB1/TLR4 neuroimmune toxicity converge as components of neurodegeneration. *AIMS Molecular Science*, **2015**, 2, 77-100	0.9	13
68	Extracellular microvesicles promote microglia-mediated pro-inflammatory responses to ethanol. *Journal of Neuroscience Research*, **2021**, 99, 1940-1956	4.4	13
67	Effects of Chronic Ethanol Exposure on Oxidation and NMDA-Stimulated Neuronal Death in Primary Cortical Neuronal Cultures. *Alcoholism: Clinical and Experimental Research*, **1998**, 22, 2080-2085	3.7	12
66	Interaction of nutrition and binge ethanol treatment on brain damage and withdrawal. *Journal of Biomedical Science*, **2001**, 8, 134-42	13.3	12
65	Phorbol ester-induced upregulation of angiotensin II receptors in neuronal cultures is potentiated by a calcium ionophore. *Journal of Neurochemistry*, **1988**, 51, 153-62	6	12
64	Interaction of calcium with receptor-stimulated phosphoinositide hydrolysis in brain and liver. *Annals of the New York Academy of Sciences*, **1988**, 522, 88-95	6.5	12
63	Hippocampal TNF-death receptors, caspase cell death cascades, and IL-8 in alcohol use disorder. *Molecular Psychiatry*, **2021**, 26, 2254-2262	15.1	11
62	Automatic cortical thickness analysis on rodent brain. *Proceedings of SPIE*, **2011**, 7962, 7962481-7962481	1.7	11
61	Insulin stimulates phosphatidylinositol 3-kinase activity in rat neuronal primary cultures. *Journal of Neurochemistry*, **1993**, 61, 360-3	6	11
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