

Brian A Mccool

List of Publications by Year in descending order

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73
papers

3,293
citations

117619

34
h-index

155644

55
g-index

79
all docs

79
docs citations

79
times ranked

2807
citing authors

#	ARTICLE	IF	CITATIONS
1	Substitution of a mutant α 2a-adrenergic receptor via "hit and run" gene targeting reveals the role of this subtype in sedative, analgesic, and anesthetic-sparing responses in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 9950-9955.	7.1	319
2	Nonhuman primate parthenogenetic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11911-11916.	7.1	176
3	Chronic Ethanol and Withdrawal Differentially Modulate Pre- and Postsynaptic Function at Glutamatergic Synapses in Rat Basolateral Amygdala. <i>Journal of Neurophysiology</i> , 2007, 98, 3185-3196.	1.8	153
4	Early Social Isolation in Male Long-Evans Rats Alters Both Appetitive and Consummatory Behaviors Expressed During Operant Ethanol Self-Administration. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 273-282.	2.4	129
5	Heterologous expression of metabotropic glutamate receptors in adult rat sympathetic neurons: Subtype-specific coupling to ion channels. <i>Neuron</i> , 1995, 14, 1029-1038.	8.1	125
6	Supersensitive Kappa Opioid Receptors Promotes Ethanol Withdrawal-Related Behaviors and Reduce Dopamine Signaling in the Nucleus Accumbens. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyv127.	2.1	112
7	Chronic Ethanol Ingestion Facilitates N-Methyl-d-aspartate Receptor Function and Expression in Rat Lateral/Basolateral Amygdala Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 1020-1029.	2.5	98
8	Adolescent Rearing Conditions Influence the Relationship Between Initial Anxiety-Like Behavior and Ethanol Drinking in Male Long Evans Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, E394-403.	2.4	98
9	Ethanol modulation of synaptic plasticity. <i>Neuropharmacology</i> , 2011, 61, 1097-1108.	4.1	96
10	Locomotor Sensitization to Ethanol Impairs NMDA Receptor-Dependent Synaptic Plasticity in the Nucleus Accumbens and Increases Ethanol Self-Administration. <i>Journal of Neuroscience</i> , 2013, 33, 4834-4842.	3.6	80
11	Effects of chronic alcohol exposure on dopamine uptake in rat nucleus accumbens and caudate putamen. <i>Psychopharmacology</i> , 2007, 193, 495-501.	3.1	78
12	Dopamine D3-Like Receptors Modulate Anxiety-Like Behavior and Regulate GABAergic Transmission in the Rat Lateral/Basolateral Amygdala. <i>Neuropsychopharmacology</i> , 2011, 36, 1090-1103.	5.4	77
13	Ifenprodil inhibition of the 5-Hydroxytryptamine ₃ receptor. <i>Neuropharmacology</i> , 1995, 34, 621-629.	4.1	76
14	Neurobiological mechanisms contributing to alcohol-stress-anxiety interactions. <i>Alcohol</i> , 2009, 43, 509-519.	1.7	72
15	Chronic intermittent ethanol and withdrawal differentially modulate basolateral amygdala AMPA-type glutamate receptor function and trafficking. <i>Neuropharmacology</i> , 2012, 62, 2430-2439.	4.1	68
16	Social Isolation Rearing Increases Nucleus Accumbens Dopamine and Norepinephrine Responses to Acute Ethanol in Adulthood. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 2770-2779.	2.4	64
17	Chronic ethanol exposure increases voluntary home cage intake in adult male, but not female, Long-Evans rats. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 139, 67-76.	2.9	64
18	Characterization of strychnine-sensitive glycine receptors in acutely isolated adult rat basolateral amygdala neurons. <i>Brain Research</i> , 2000, 859, 341-351.	2.2	63

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19	Rat group I Metabotropic Glutamate Receptors Inhibit Neuronal Ca ²⁺ Channels via Multiple Signal Transduction Pathways in HEK 293 Cells. <i>Journal of Neurophysiology</i> , 1998, 79, 379-391.	1.8	62
20	Glutamate Plasticity in the Drunken Amygdala. <i>International Review of Neurobiology</i> , 2010, 91, 205-233.	2.0	60
21	Chronic ethanol ingestion modulates proanxiety factors expressed in rat central amygdala. <i>Alcohol</i> , 2005, 36, 83-90.	1.7	58
22	Chronic Ethanol and Withdrawal Differentially Modulate Lateral/Basolateral Amygdala Paracapsular and Local GABAergic Synapses. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 337, 162-170.	2.5	58
23	Effects of chronic ethanol consumption on rat GABAA and strychnine-sensitive glycine receptors expressed by lateral/basolateral amygdala neurons. <i>Brain Research</i> , 2003, 963, 165-177.	2.2	56
24	Genetic Sensitivity to Thiamine Deficiency and Development of Alcoholic Organic Brain Disease. <i>Alcoholism: Clinical and Experimental Research</i> , 1993, 17, 31-37.	2.4	53
25	Long-Term Ethanol Self-Administration by Cynomolgus Macaques Alters the Pharmacology and Expression of GABAA Receptors in Basolateral Amygdala. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 1071-1079.	2.5	53
26	Ethanol inhibition of kainate receptor-mediated excitatory neurotransmission in the rat basolateral nucleus of the amygdala. <i>Neuropharmacology</i> , 2008, 55, 661-668.	4.1	50
27	Thalamic glutamatergic afferents into the rat basolateral amygdala exhibit increased presynaptic glutamate function following withdrawal from chronic intermittent ethanol. <i>Neuropharmacology</i> , 2013, 65, 134-142.	4.1	47
28	Chronic Intermittent Ethanol Exposure Modulation of Glutamatergic Neurotransmission in Rat Lateral/Basolateral Amygdala is Duration-, Input-, and Sex-Dependent. <i>Neuroscience</i> , 2018, 371, 277-287.	2.3	44
29	Subunit composition of strychnine-sensitive glycine receptors expressed by adult rat basolateral amygdala neurons. <i>European Journal of Neuroscience</i> , 2001, 14, 1082-1090.	2.6	42
30	Distinct Functional Characteristics of the Lateral/Basolateral Amygdala GABAergic System in C57BL/6J and DBA/2J Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 629-640.	2.5	42
31	Chronic social isolation during adolescence augments catecholamine response to acute ethanol in the basolateral amygdala. <i>Synapse</i> , 2015, 69, 385-395.	1.2	42
32	Chronic ethanol and withdrawal effects on kainate receptor-mediated excitatory neurotransmission in the rat basolateral amygdala. <i>Alcohol</i> , 2009, 43, 25-33.	1.7	41
33	Strychnine and taurine modulation of amygdala-associated anxiety-like behavior is state dependent. <i>Behavioural Brain Research</i> , 2007, 178, 70-81.	2.2	37
34	Chronic intermittent ethanol inhalation increases ethanol self-administration in both C57BL/6J and DBA/2J mice. <i>Alcohol</i> , 2015, 49, 111-120.	1.7	36
35	Molecular genetics of transketolase in the pathogenesis of the Wernicke-Korsakoff syndrome. <i>Metabolic Brain Disease</i> , 1995, 10, 45-55.	2.9	35
36	Ethanol-Induced Regulation of GABAA Subunit mRNAs in Prefrontal Fields of Cynomolgus Monkeys. <i>Alcoholism: Clinical and Experimental Research</i> , 2006, 30, 1978-1985.	2.4	34

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37	Chronic Social Isolation Stress during Peri-Adolescence Alters Presynaptic Dopamine Terminal Dynamics via Augmentation in Accumbal Dopamine Availability. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2033-2044.	3.5	34
38	Chronic Ethanol Differentially Modulates Glutamate Release from Dorsal and Ventral Prefrontal Cortical Inputs onto Rat Basolateral Amygdala Principal Neurons. <i>ENeuro</i> , 2020, 7, ENEURO.0132-19.2019.	1.9	32
39	Withdrawal from chronic ethanol exposure increases postsynaptic glutamate function of insular cortex projections to the rat basolateral amygdala. <i>Neuropharmacology</i> , 2020, 172, 108129.	4.1	31
40	Effects of early postnatal ethanol intubation on GABAergic synaptic proteins. <i>Developmental Brain Research</i> , 2002, 138, 177-185.	1.7	30
41	Long-Term Ethanol Self-Administration by the Nonhuman Primate, <i>Macaca fascicularis</i> , Decreases the Benzodiazepine Sensitivity of Amygdala GABA _A Receptors. <i>Alcoholism: Clinical and Experimental Research</i> , 2007, 31, 1061-1070.	2.4	28
42	Microstructural analysis of rat ethanol and water drinking patterns using a modified operant self-administration model. <i>Physiology and Behavior</i> , 2015, 149, 119-130.	2.1	24
43	Lateral/basolateral amygdala serotonin type-2 receptors modulate operant self-administration of a sweetened ethanol solution via inhibition of principal neuron activity. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 5.	2.1	22
44	Acute and chronic ethanol exposure differentially regulate CB1 receptor function at glutamatergic synapses in the rat basolateral amygdala. <i>Neuropharmacology</i> , 2016, 108, 474-484.	4.1	22
45	Single-cell RT-PCR detects shifts in mRNA expression profiles of basal forebrain neurons during aging. <i>Molecular Brain Research</i> , 2002, 98, 67-80.	2.3	21
46	Effects of ethanol exposure and withdrawal on dendritic morphology and spine density in the nucleus accumbens core and shell. <i>Brain Research</i> , 2015, 1594, 125-135.	2.2	20
47	A1 adenosine receptors inhibit multiple voltage-gated Ca ²⁺ channel subtypes in acutely isolated rat basolateral amygdala neurons. <i>British Journal of Pharmacology</i> , 2001, 132, 879-888.	5.4	19
48	Cadmium- and Mercury-Induced Intercellular Adhesion Molecule-1 Expression in Immortalized Proximal Tubule Cells: Evidence for a Role of Decreased Transforming Growth Factor- β 1. <i>Toxicology and Applied Pharmacology</i> , 2002, 179, 13-20.	2.8	18
49	The native T-type calcium current in relay neurons of the primate thalamus. <i>Neuroscience</i> , 2006, 141, 453-461.	2.3	17
50	Differential Expression of Munc13-2 Produces Unique Synaptic Phenotypes in the Basolateral Amygdala of C57BL/6J and DBA/2J Mice. <i>Journal of Neuroscience</i> , 2016, 36, 10964-10977.	3.6	17
51	Structural, functional, and behavioral significance of sex and gonadal hormones in the basolateral amygdala: A review of preclinical literature. <i>Alcohol</i> , 2022, 98, 25-41.	1.7	17
52	Using monosodium glutamate to initiate ethanol self-administration in inbred mouse strains. <i>Addiction Biology</i> , 2012, 17, 121-131.	2.6	15
53	RGS2 modulates the activity and internalization of dopamine D2 receptors in neuroblastoma N2A cells. <i>Neuropharmacology</i> , 2016, 110, 297-307.	4.1	14
54	Ethanol Mediated Inhibition of Synaptic Vesicle Recycling at Amygdala Glutamate Synapses Is Dependent upon Munc13-2. <i>Frontiers in Neuroscience</i> , 2017, 11, 424.	2.8	13

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55	Persistent enhancement of ethanol drinking following a monosodium glutamate-substitution procedure in C57BL/6J and DBA/2J mice. <i>Alcohol</i> , 2014, 48, 55-61.	1.7	11
56	Strain-Dependent Effects of Acute Alcohol on Synaptic Vesicle Recycling and Post-Tetanic Potentiation in Medial Glutamate Inputs to the Mouse Basolateral Amygdala. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 735-746.	2.4	9
57	Effects of Ethanol Exposure and Withdrawal on Neuronal Morphology in the Agranular Insular and Prelimbic Cortices: Relationship with Withdrawal-Related Structural Plasticity in the Nucleus Accumbens. <i>Brain Sciences</i> , 2019, 9, 180.	2.3	9
58	Chronic Alcohol Dysregulates Glutamatergic Function in the Basolateral Amygdala in a Projection-and Sex-Specific Manner. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 857550.	3.7	9
59	Extrinsic factors regulate partial agonist efficacy of strychnine-sensitive glycine receptors. <i>BMC Pharmacology</i> , 2004, 4, 16.	0.4	8
60	Chronic Ethanol Exposure Potentiates Cholinergic Neurotransmission in the Basolateral Amygdala. <i>Neuroscience</i> , 2021, 455, 165-176.	2.3	8
61	Ethanol modulation of cortico-basolateral amygdala circuits: Neurophysiology and behavior. <i>Neuropharmacology</i> , 2021, 197, 108750.	4.1	8
62	Acute ethanol exposure reduces serotonin receptor 1A internalization by increasing ubiquitination and degradation of β -arrestin2. <i>Journal of Biological Chemistry</i> , 2019, 294, 14068-14080.	3.4	7
63	Chronic intermittent ethanol exposure selectively alters the expression of $G\alpha$ subunit isoforms and RGS subtypes in rat prefrontal cortex. <i>Brain Research</i> , 2017, 1672, 106-112.	2.2	6
64	Molecules and Membrane Activity: Single-Cell RT-PCR and Patch-Clamp Recording from Central Neurons. , 2006, , 142-174.		5
65	Relative contributions of G protein, channel, and receptor to voltage-dependent inhibition of neuronal N-type and P/Q-type calcium channels in HEK 293 cell lines. <i>Neuroscience Letters</i> , 1997, 239, 89-92.	2.1	4
66	SNARE Complex-Associated Proteins in the Lateral Amygdala of <i>Macaca mulatta</i> Following Long-Term Ethanol Drinking. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 1661-1673.	2.4	4
67	Effects of Chronic Alcohol Ingestion on Rat Lateral/Basolateral Amygdala Ligand-Gated Chloride Channels. <i>Annals of the New York Academy of Sciences</i> , 2003, 985, 479-480.	3.8	3
68	Adolescent Vulnerability to Alcohol Use Disorder: Neurophysiological Mechanisms from Preclinical Studies. <i>Handbook of Experimental Pharmacology</i> , 2019, 258, 421-442.	1.8	3
69	Acute Ethanol Exposure Enhances Ubiquitination and Degradation of β -arrestin. <i>FASEB Journal</i> , 2018, 32, 685.5.	0.5	0
70	RGS2 Regulates Cocaine Self-Administration through Midbrain Dopamine D2 Autoreceptors. <i>FASEB Journal</i> , 2019, 33, 805.14.	0.5	0
71	Chronic and Intermittent Ethanol Treatment Differentially Regulates Membrane Compartmentalization of $G\alpha$ protein Subunits in Rat Brain. <i>FASEB Journal</i> , 2019, 33, 809.2.	0.5	0
72	Ethanol Dose-Dependently Changes 5HT 1 A Receptor Trafficking in Neuroblastoma 2A Cells. <i>FASEB Journal</i> , 2019, 33, 499.9.	0.5	0

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73	RGS2 Modulates Cocaine Self-administration by Controlling Dopamine D2 Autoreceptor Activity. FASEB Journal, 2020, 34, 1-1.	0.5	0