

Charles R Goodlett

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

4,970
citations

42
h-index

69
g-index

109
ext. papers

5,268
ext. citations

3.6
avg, IF

5.27
L-index

#	Paper	IF	Citations
100	Alcohol teratogenesis: mechanisms of damage and strategies for intervention. <i>Experimental Biology and Medicine</i> , 2005 , 230, 394-406	3.7	291
99	A single day of alcohol exposure during the brain growth spurt induces brain weight restriction and cerebellar Purkinje cell loss. <i>Alcohol</i> , 1990 , 7, 107-14	2.7	183
98	Blood alcohol concentration and severity of microencephaly in neonatal rats depend on the pattern of alcohol administration. <i>Alcohol</i> , 1988 , 5, 209-14	2.7	150
97	Alcohol-induced Purkinje cell loss depends on developmental timing of alcohol exposure and correlates with motor performance. <i>Developmental Brain Research</i> , 1998 , 105, 159-66		149
96	Forebrain ischemia induces selective behavioral impairments associated with hippocampal injury in rats. <i>Stroke</i> , 1991 , 22, 1040-7	6.7	149
95	Cell population depletion associated with fetal alcohol brain damage: mechanisms of BAC-dependent cell loss. <i>Alcoholism: Clinical and Experimental Research</i> , 1990 , 14, 813-8	3.7	139
94	Differential neuronal loss following early postnatal alcohol exposure. <i>Teratology</i> , 1989 , 40, 113-26		138
93	Neonatal binge ethanol exposure using intubation: timing and dose effects on place learning. <i>Neurotoxicology and Teratology</i> , 1997 , 19, 435-46	3.9	135
92	Persistent impairment of hippocampal neurogenesis in young adult rats following early postnatal alcohol exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2007 , 31, 2073-82	3.7	130
91	Developing rat Purkinje cells are more vulnerable to alcohol-induced depletion during differentiation than during neurogenesis. <i>Alcohol</i> , 1994 , 11, 147-56	2.7	120
90	Impaired spatial navigation in adult female but not adult male rats exposed to alcohol during the brain growth spurt. <i>Behavioural Brain Research</i> , 1988 , 27, 247-57	3.4	120
89	Long-term deficits in cerebellar growth and rotarod performance of rats following "binge-like" alcohol exposure during the neonatal brain growth spurt. <i>Neurotoxicology and Teratology</i> , 1991 , 13, 69-74	3.9	104
88	Prenatal alcohol exposure retards the migration and development of serotonin neurons in fetal C57BL mice. <i>Developmental Brain Research</i> , 2001 , 126, 147-55		94
87	Dissociation of spatial navigation and visual guidance performance in Purkinje cell degeneration (pcd) mutant mice. <i>Behavioural Brain Research</i> , 1992 , 47, 129-41	3.4	94
86	Alcohol-Induced Purkinje Cell Loss with a Single Binge Exposure in Neonatal Rats: A Stereological Study of Temporal Windows of Vulnerability. <i>Alcoholism: Clinical and Experimental Research</i> , 1997 , 21, 738-744	3.7	93
85	Transient cortical astrogliosis induced by alcohol exposure during the neonatal brain growth spurt in rats. <i>Developmental Brain Research</i> , 1993 , 72, 85-97		91
84	Prenatal ethanol exposure during the last third of gestation in rat reduces hippocampal NMDA agonist binding site density in 45-day-old offspring. <i>Alcohol</i> , 1992 , 9, 37-41	2.7	91

83	Behavioral deficits induced by bingelike exposure to alcohol in neonatal rats: importance of developmental timing and number of episodes. <i>Developmental Psychobiology</i> , 1996 , 29, 433-52	3	86
82	Therapeutic effects of complex motor training on motor performance deficits induced by neonatal binge-like alcohol exposure in rats . I. Behavioral results. <i>Brain Research</i> , 1998 , 800, 48-61	3.7	85
81	Sex differences in vulnerability to developmental spatial learning deficits induced by limited binge alcohol exposure in neonatal rats. <i>Neurobiology of Learning and Memory</i> , 1995 , 64, 265-75	3.1	85
80	The effects of exercise on adolescent hippocampal neurogenesis in a rat model of binge alcohol exposure during the brain growth spurt. <i>Brain Research</i> , 2009 , 1294, 1-11	3.7	82
79	Binge neonatal alcohol intubations induce dose-dependent loss of Purkinje cells. <i>Neurotoxicology and Teratology</i> , 1998 , 20, 285-92	3.9	82
78	Therapeutic effects of complex motor training on motor performance deficits induced by neonatal binge-like alcohol exposure in rats: II. A quantitative stereological study of synaptic plasticity in female rat cerebellum. <i>Brain Research</i> , 2002 , 937, 83-93	3.7	79
77	Neonatal Ethanol Exposure Impairs Eyeblink Conditioning in Weanling Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 1998 , 22, 270-275	3.7	78
76	Binge-Like Alcohol Exposure of Neonatal Rats Via Intragastric Intubation Induces Both Purkinje Cell Loss and Cortical Astrogliosis. <i>Alcoholism: Clinical and Experimental Research</i> , 1997 , 21, 1010-1017	3.7	76
75	Teratogenic effects of alcohol on brain development. <i>Annals of Medicine</i> , 1990 , 22, 319-25	1.5	76
74	Alcohol reduces the number of pheochromocytoma (PC12) cells in culture. <i>Alcohol</i> , 1992 , 9, 171-80	2.7	74
73	Temporal determinants of neonatal alcohol-induced cerebellar damage and motor performance deficits. <i>Pharmacology Biochemistry and Behavior</i> , 1996 , 55, 531-40	3.9	71
72	Selective and Enduring Deficits in Spatial Learning After Limited Neonatal Binge Alcohol Exposure in Male Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2002 , 26, 83-93	3.7	70
71	Animal models of fetal alcohol spectrum disorders: impact of the social environment. <i>Developmental Disabilities Research Reviews</i> , 2009 , 15, 200-8		69
70	Vitamin E does not protect against neonatal ethanol-induced cerebellar damage or deficits in eyeblink classical conditioning in rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2005 , 29, 117-29	3.7	67
69	Vulnerability of cerebellar granule cells to alcohol-induced cell death diminishes with time in culture. <i>Alcoholism: Clinical and Experimental Research</i> , 1993 , 17, 1014-21	3.7	65
68	Alteration of gene expression by alcohol exposure at early neurulation. <i>BMC Genomics</i> , 2011 , 12, 124	4.5	62
67	Moderate alcohol exposure compromises neural tube midline development in prenatal brain. <i>Developmental Brain Research</i> , 2003 , 144, 43-55		62
66	Alteration in the pattern of nerve terminal protein immunoreactivity in the perforant pathway in Alzheimer's disease and in rats after entorhinal lesions. <i>Neurobiology of Aging</i> , 1992 , 13, 283-91	5.6	58

65	Neonatal ethanol produces cerebellar deep nuclear cell loss and correlated disruption of eyeblink conditioning in adult rats. <i>Brain Research</i> , 2002 , 956, 302-11	3.7	55
64	Spatial cue utilization in chronically malnourished rats: task-specific learning deficits. <i>Developmental Psychobiology</i> , 1986 , 19, 1-15	3	53
63	Therapeutic motor training ameliorates cerebellar effects of postnatal binge alcohol. <i>Neurotoxicology and Teratology</i> , 2000 , 22, 125-32	3.9	51
62	NMDA prevents alcohol-induced neuronal cell death of cerebellar granule cells in culture. <i>Alcoholism: Clinical and Experimental Research</i> , 1995 , 19, 846-53	3.7	48
61	Eyeblink classical conditioning and interpositus nucleus activity are disrupted in adult rats exposed to ethanol as neonates. <i>Learning and Memory</i> , 2002 , 9, 304-20	2.8	46
60	Regional differences in the timing of dendritic outgrowth of Purkinje cells in the vermal cerebellum demonstrated by MAP2 immunocytochemistry. <i>Developmental Brain Research</i> , 1990 , 53, 131-4		45
59	Evidence for a Long-Lasting Compulsive Alcohol Seeking Phenotype in Rats. <i>Neuropsychopharmacology</i> , 2018 , 43, 728-738	8.7	45
58	Arylsulfatase B modulates neurite outgrowth via astrocyte chondroitin-4-sulfate: dysregulation by ethanol. <i>Glia</i> , 2014 , 62, 259-71	9	42
57	Alcohol exposure alters cell cycle and apoptotic events during early neurulation. <i>Alcohol and Alcoholism</i> , 2008 , 43, 261-73	3.5	42
56	Deviations in brain early serotonergic development as a result of fetal alcohol exposure. <i>Neurotoxicity Research</i> , 2002 , 4, 337-42	4.3	40
55	Impairment in Eyeblink Classical Conditioning in Adult Rats Exposed to Ethanol as Neonates. <i>Alcoholism: Clinical and Experimental Research</i> , 2000 , 24, 438-447	3.7	40
54	Brain growth deficits following a single day of alcohol exposure in the neonatal rat. <i>Alcohol</i> , 1989 , 6, 121-6	2.7	37
53	Neonatal alcohol exposure impairs acquisition of eyeblink conditioned responses during discrimination learning and reversal in weanling rats. <i>Developmental Psychobiology</i> , 2007 , 49, 243-57	3	36
52	Epigallocatechin-3-gallate (EGCG) consumption in the Ts65Dn model of Down syndrome fails to improve behavioral deficits and is detrimental to skeletal phenotypes. <i>Physiology and Behavior</i> , 2017 , 177, 230-241	3.5	34
51	Strain differences in developmental vulnerability to alcohol exposure via embryo culture in mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2011 , 35, 1293-304	3.7	34
50	Alcohol-induced facial dysmorphology in C57BL/6 mouse models of fetal alcohol spectrum disorder. <i>Alcohol</i> , 2010 , 44, 659-71	2.7	32
49	Housing in environmental complexity following wheel running augments survival of newly generated hippocampal neurons in a rat model of binge alcohol exposure during the third trimester equivalent. <i>Alcoholism: Clinical and Experimental Research</i> , 2012 , 36, 1196-204	3.7	31
48	Effects of one- and three-day binge alcohol exposure in neonatal C57BL/6 mice on spatial learning and memory in adolescence and adulthood. <i>Alcohol</i> , 2014 , 48, 99-111	2.7	30

47	Acute alcohol and cognition: Remembering what it causes us to forget. <i>Alcohol</i> , 2019 , 79, 105-125	2.7	28
46	Low dose EGCG treatment beginning in adolescence does not improve cognitive impairment in a Down syndrome mouse model. <i>Pharmacology Biochemistry and Behavior</i> , 2015 , 138, 70-9	3.9	28
45	Binge-like postnatal alcohol exposure triggers cortical gliogenesis in adolescent rats. <i>Journal of Comparative Neurology</i> , 2009 , 514, 259-71	3.4	28
44	Selective and enduring deficits in spatial learning after limited neonatal binge alcohol exposure in male rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2002 , 26, 83-93	3.7	28
43	Long-term deficits in water maze spatial conditional alternation performance following retrohippocampal lesions in rats. <i>Behavioural Brain Research</i> , 1989 , 32, 63-7	3.4	27
42	New approaches to research on the long-term consequences of prenatal exposure to alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 1990 , 14, 684-9	3.7	27
41	The Novel μ Opioid Receptor Antagonist GSK1521498 Decreases Both Alcohol Seeking and Drinking: Evidence from a New Preclinical Model of Alcohol Seeking. <i>Neuropsychopharmacology</i> , 2015 , 40, 2981-92	8.7	26
40	Early postnatal alcohol exposure that produces high blood alcohol levels impairs development of spatial navigation learning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1987 , 15, 64-74		26
39	Fetal Alcohol Effects: Rat Model of Alcohol Exposure during the Brain Growth Spurt 1992 , 45-75		26
38	Binge-like ethanol exposure during the early postnatal period impairs eyeblink conditioning at short and long CS-US intervals in rats. <i>Developmental Psychobiology</i> , 2007 , 49, 589-605	3	25
37	Peptidergic agonists of activity-dependent neurotrophic factor protect against prenatal alcohol-induced neural tube defects and serotonin neuron loss. <i>Alcoholism: Clinical and Experimental Research</i> , 2008 , 32, 1361-71	3.7	24
36	Constraints on water maze spatial learning in rats: implications for behavioral studies of brain damage and recovery of function. <i>Behavioural Brain Research</i> , 1988 , 28, 275-86	3.4	23
35	Targeting trisomic treatments: optimizing Dyrk1a inhibition to improve Down syndrome deficits. <i>Molecular Genetics & Genomic Medicine</i> , 2017 , 5, 451-465	2.3	22
34	Different patterns of regional Purkinje cell loss in the cerebellar vermis as a function of the timing of prenatal ethanol exposure in an ovine model. <i>Neurotoxicology and Teratology</i> , 2013 , 35, 7-13	3.9	21
33	Therapeutic Motor Training Increases Parallel Fiber Synapse Number Per Purkinje Neuron in Cerebellar Cortex of Rats Given Postnatal Binge Alcohol Exposure: Preliminary Report. <i>Alcoholism: Clinical and Experimental Research</i> , 1997 , 21, 1257-1263	3.7	21
32	Alz-50 immunoreactivity in the neonatal rat: changes in development and co-distribution with MAP-2 immunoreactivity. <i>Neuroscience Letters</i> , 1989 , 98, 264-71	3.3	21
31	Limited sparing a function on spatial delayed alternation after two-stage lesions of prefrontal cortex in the rat. <i>Physiology and Behavior</i> , 1981 , 26, 763-71	3.5	21
30	Effect of prenatal alcohol exposure on bony craniofacial development: a mouse MicroCT study. <i>Alcohol</i> , 2013 , 47, 405-15	2.7	20

29	Environmental enrichment and restriction: effects on reactivity, exploration and maze learning in mice with septal lesions. <i>Physiology and Behavior</i> , 1982 , 29, 885-93	3.5	20
28	Alcohol-Preferring Rats Show Goal Oriented Behaviour to Food Incentives but Are Neither Sign-Trackers Nor Impulsive. <i>PLoS ONE</i> , 2015 , 10, e0131016	3.7	16
27	Influence of environmental rearing history and postsurgical environmental change on the septal rage syndrome in mice. <i>Physiology and Behavior</i> , 1982 , 28, 1077-81	3.5	15
26	Evaluation of the therapeutic potential of Epigallocatechin-3-gallate (EGCG) via oral gavage in young adult Down syndrome mice. <i>Scientific Reports</i> , 2020 , 10, 10426	4.9	12
25	Rehabilitation training using complex motor learning rescues deficits in eyeblink classical conditioning in female rats induced by binge-like neonatal alcohol exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2013 , 37, 1561-70	3.7	12
24	Fetal Alcohol Effects: Mechanisms and Treatment. <i>Alcoholism: Clinical and Experimental Research</i> , 2001 , 25, 110S-116S	3.7	12
23	Altered development of responsiveness to clonidine in severely malnourished rats. <i>Pharmacology Biochemistry and Behavior</i> , 1985 , 23, 567-72	3.9	12
22	Eyeblink classical conditioning in the preweanling lamb. <i>Behavioral Neuroscience</i> , 2008 , 122, 722-9	2.1	10
21	Maternal choline supplementation in a sheep model of first trimester binge alcohol fails to protect against brain volume reductions in peripubertal lambs. <i>Alcohol</i> , 2016 , 55, 1-8	2.7	8
20	Fetal Alcohol Effects: Potential Treatments From Basic Science. <i>Alcoholism: Clinical and Experimental Research</i> , 2005 , 29, 1074-1079	3.7	7
19	Maternal choline supplementation mitigates alcohol-induced fetal cranio-facial abnormalities detected using an ultrasonographic examination in a sheep model. <i>Alcohol</i> , 2019 , 81, 31-38	2.7	6
18	Usage of and attitudes about green tea extract and Epigallocatechin-3-gallate (EGCG) as a therapy in individuals with Down syndrome. <i>Complementary Therapies in Medicine</i> , 2019 , 45, 234-241	3.5	6
17	Time course and reversibility of ethanol's suppressive effects on axon sprouting in the dentate gyrus of the adult rat. <i>Alcoholism: Clinical and Experimental Research</i> , 1988 , 12, 433-9	3.7	6
16	Sprouting responsiveness in the dentate gyrus is reduced by ethanol administered following but not preceding an entorhinal lesion. <i>Experimental Neurology</i> , 1987 , 97, 441-53	5.7	5
15	The presence of home-cage stimuli attenuates spontaneous-alternation deficits in rats with septal lesions. <i>Physiological Psychology</i> , 1983 , 11, 119-124		5
14	Computed tomography assessment of peripubertal craniofacial morphology in a sheep model of binge alcohol drinking in the first trimester. <i>Alcohol</i> , 2015 , 49, 675-89	2.7	4
13	T-maze learning in weanling lambs. <i>Developmental Psychobiology</i> , 2012 , 54, 785-97	3	4
12	Effects of pre- and early postnatal protein malnutrition on carcass composition and lipoprotein lipase activity in male rats. <i>Physiology and Behavior</i> , 1987 , 39, 721-6	3.5	3

11	Differential effects of clonidine, B-HT 933 and B-HT 920 in immature rat pups. <i>Pharmacology Biochemistry and Behavior</i> , 1987 , 27, 283-90	3.9	3
10	Alcohol-Induced Purkinje Cell Loss with a Single Binge Exposure in Neonatal Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 1997 , 21, 738	3.7	3
9	Video-based data acquisition system for use in eye blink classical conditioning procedures in sheep. <i>Behavior Research Methods</i> , 2017 , 49, 1838-1851	6.1	2
8	Attenuation of reversal deficits of mice with septal lesions by shifts in the motivational context.. <i>Behavioral Neuroscience</i> , 1983 , 97, 937-944	2.1	2
7	Influence of allelic differences in Down syndrome. <i>Progress in Brain Research</i> , 2020 , 251, 29-54	2.9	2
6	Behavioral Phenotyping for Down Syndrome in Mice. <i>Current Protocols in Mouse Biology</i> , 2020 , 10, e79	1.1	2
5	Meta-Analyses of Externalizing Disorders: Genetics or Prenatal Alcohol Exposure?. <i>Alcoholism: Clinical and Experimental Research</i> , 2018 , 42, 162-172	3.7	1
4	Can Green Tea Polyphenols Improve Phenotypes Associated With Down Syndrome? 2018 , 439-454		1
3	Understanding ethanol's acute effects on medial prefrontal cortex neural activity using state-space approaches. <i>Neuropharmacology</i> , 2021 , 198, 108780	5.5	1
2	Sexually dimorphic DYRK1A overexpression on postnatal day 15 in the Ts65Dn mouse model of Down syndrome: Effects of pharmacological targeting on behavioral phenotypes.. <i>Pharmacology Biochemistry and Behavior</i> , 2022 , 173404	3.9	0
1	Alcohol-Induced Damage to the Developing Brain: Functional Approaches Using Classical Eyeblink Conditioning 2002 , 135-153		