

# Daniel J Bonthius

## List of Publications by Year in descending order

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57  
papers

3,141  
citations

147801

31  
h-index

155660

55  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alcohol-Induced Neuronal Loss in Developing Rats: Increased Brain Damage with Binge Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 1990, 14, 107-118.	2.4	495
2	Permanent neuronal deficits in rats exposed to alcohol during the brain growth spurt. <i>Teratology</i> , 1991, 44, 147-163.	1.6	216
3	Blood alcohol concentration and severity of microencephaly in neonatal rats depend on the pattern of alcohol administration. <i>Alcohol</i> , 1988, 5, 209-214.	1.7	165
4	Lymphocytic Choriomeningitis Virus: An Underrecognized Cause of Neurologic Disease in the Fetus, Child, and Adult. <i>Seminars in Pediatric Neurology</i> , 2012, 19, 89-95.	2.0	157
5	Cell Population Depletion Associated with Fetal Alcohol Brain Damage: Mechanisms of BAC-Dependent Cell Loss. <i>Alcoholism: Clinical and Experimental Research</i> , 1990, 14, 813-818.	2.4	154
6	Developmental Changes in Alcohol Pharmacokinetics in Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 1987, 11, 281-286.	2.4	150
7	Blood alcohol concentration and microencephaly: A dose-response study in the neonatal rat. <i>Teratology</i> , 1988, 37, 223-231.	1.6	124
8	Measles Virus and Associated Central Nervous System Sequelae. <i>Seminars in Pediatric Neurology</i> , 2012, 19, 107-114.	2.0	118
9	Congenital lymphocytic choriomeningitis virus infection: spectrum of disease. <i>Annals of Neurology</i> , 2007, 62, 347-355.	5.3	100
10	Early postnatal alcohol exposure acutely and permanently reduces the number of granule cells and mitral cells in the rat olfactory bulb: A stereological study. <i>Journal of Comparative Neurology</i> , 1992, 324, 557-566.	1.6	99
11	FGF-2, NGF and IGF-1, but not BDNF, utilize a nitric oxide pathway to signal neurotrophic and neuroprotective effects against alcohol toxicity in cerebellar granule cell cultures. <i>Developmental Brain Research</i> , 2003, 140, 15-28.	1.7	87
12	Pathology of the Insular Cortex in Alzheimer Disease Depends on Cortical Architecture. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 910-922.	1.7	87
13	Use of frozen sections to determine neuronal number in the murine hippocampus and neocortex using the optical disector and optical fractionator. <i>Brain Research Protocols</i> , 2004, 14, 45-57.	1.6	75
14	Reduced Seizure Threshold and Hippocampal Cell Loss in Rats Exposed to Alcohol During the Brain Growth Spurt. <i>Alcoholism: Clinical and Experimental Research</i> , 2001, 25, 70-82.	2.4	70
15	Transient activation of microglia following acute alcohol exposure in developing mouse neocortex is primarily driven by BAX-dependent neurodegeneration. <i>Glia</i> , 2015, 63, 1694-1713.	4.9	69
16	Deficiency of neuronal nitric oxide synthase (nNOS) worsens alcohol-induced microencephaly and neuronal loss in developing mice. <i>Developmental Brain Research</i> , 2002, 138, 45-59.	1.7	64
17	Congenital Viral Infections of the Brain: Lessons Learned from Lymphocytic Choriomeningitis Virus in the Neonatal Rat. <i>PLoS Pathogens</i> , 2007, 3, e149.	4.7	59
18	Induction of cortical spreading depression with potassium chloride upregulates levels of messenger RNA for glial fibrillary acidic protein in cortex and hippocampus: inhibition by MK-801. <i>Brain Research</i> , 1993, 618, 83-94.	2.2	58

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19	Critical Role for Glial Cells in the Propagation and Spread of Lymphocytic Choriomeningitis Virus in the Developing Rat Brain. <i>Journal of Virology</i> , 2002, 76, 6618-6635.	3.4	49
20	Lymphocytic choriomeningitis virus infection of the developing brain: critical role of host age. <i>Annals of Neurology</i> , 2007, 62, 356-374.	5.3	48
21	Alcohol Exposure During the Brain Growth Spurt Promotes Hippocampal Seizures, Rapid Kindling, and Spreading Depression. <i>Alcoholism: Clinical and Experimental Research</i> , 2001, 25, 734-745.	2.4	45
22	Acute and long-term neuronal deficits in the rat olfactory bulb following alcohol exposure during the brain growth spurt. <i>Neurotoxicology and Teratology</i> , 1991, 13, 611-619.	2.4	44
23	Meningitis and encephalitis in children. <i>Neurologic Clinics</i> , 2002, 20, 1013-1038.	1.8	40
24	Lymphocytic Choriomeningitis Virus: A Prenatal and Postnatal Threat. <i>Advances in Pediatrics</i> , 2009, 56, 75-86.	1.4	40
25	The NO-cGMP-PKG pathway plays an essential role in the acquisition of ethanol resistance by cerebellar granule neurons. <i>Neurotoxicology and Teratology</i> , 2004, 26, 47-57.	2.4	36
26	The protective effect of neuronal nitric oxide synthase (nNOS) against alcohol toxicity depends upon the NO-cGMP-PKG pathway and NF- $\kappa$ B. <i>NeuroToxicology</i> , 2008, 29, 1080-1091.	3.0	36
27	Sydenham's chorea: Not gone and not forgotten. <i>Seminars in Pediatric Neurology</i> , 2003, 10, 11-19.	2.0	35
28	Nitric oxide utilizes NF- $\kappa$ B to signal its neuroprotective effect against alcohol toxicity. <i>Neuropharmacology</i> , 2009, 56, 716-731.	4.1	35
29	A single exposure to alcohol during brain development induces microencephaly and neuronal losses in genetically susceptible mice, but not in wild type mice. <i>NeuroToxicology</i> , 2009, 30, 459-470.	3.0	34
30	Stimulation of the cAMP pathway protects cultured cerebellar granule neurons against alcohol-induced cell death by activating the neuronal nitric oxide synthase (nNOS) gene. <i>Brain Research</i> , 2007, 1143, 34-45.	2.2	32
31	Maturation-Dependent Alcohol Resistance in the Developing Mouse: Cerebellar Neuronal Loss and Gene Expression During Alcohol-Vulnerable and -Resistant Periods. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1439-1450.	2.4	32
32	Severe Herpes Zoster Following Varicella Vaccination in Immunocompetent Young Children. <i>Journal of Child Neurology</i> , 2019, 34, 184-188.	1.4	31
33	Importance of genetics in fetal alcohol effects: Null mutation of the nNOS gene worsens alcohol-induced cerebellar neuronal losses and behavioral deficits. <i>NeuroToxicology</i> , 2015, 46, 60-72.	3.0	29
34	Spreading depression and reverberatory seizures induce the upregulation of mRNA for glial fibrillary acidic protein. <i>Brain Research</i> , 1994, 645, 215-224.	2.2	26
35	Severe alcohol-induced neuronal deficits in the hippocampus and neocortex of neonatal mice genetically deficient for neuronal nitric oxide synthase (nNOS). <i>Journal of Comparative Neurology</i> , 2006, 499, 290-305.	1.6	24
36	Genetic Absence of nNOS Worsens Fetal Alcohol Effects in Mice. II: Microencephaly and Neuronal Losses. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 221-231.	2.4	20

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37	The role of extracellular ionic changes in upregulating the mRNA for glial fibrillary acidic protein following spreading depression. <i>Brain Research</i> , 1995, 674, 314-328.	2.2	19
38	Subacute Sclerosing Panencephalitis, a Measles Complication, in an Internationally Adopted Child. <i>Emerging Infectious Diseases</i> , 2000, 6, 377-381.	4.3	19
39	The Neuronal Nitric Oxide Synthase (nNOS) Gene and Neuroprotection Against Alcohol Toxicity. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 449-461.	3.3	16
40	Alcohol exposure during the brain growth spurt promotes hippocampal seizures, rapid kindling, and spreading depression. <i>Alcoholism: Clinical and Experimental Research</i> , 2001, 25, 734-45.	2.4	16
41	Defensive Perimeter in the Central Nervous System: Predominance of Astrocytes and Astrogliosis during Recovery from Varicella-Zoster Virus Encephalitis. <i>Journal of Virology</i> , 2016, 90, 379-391.	3.4	13
42	Alexander Disease. <i>Journal of Child Neurology</i> , 2016, 31, 869-872.	1.4	11
43	Drug-Drug Interactions Between Cannabidiol and Lithium. <i>Child Neurology Open</i> , 2020, 7, 2329048X2094789.	1.1	10
44	Genetic Absence of nNOS Worsens Fetal Alcohol Effects in Mice. I: Behavioral Deficits. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 212-220.	2.4	7
45	Viral Strain Determines Disease Symptoms, Pathology, and Immune Response in Neonatal Rats with Lymphocytic Choriomeningitis Virus Infection. <i>Viruses</i> , 2019, 11, 552.	3.3	7
46	The Arenaviruses. , 2016, , 149-174.		5
47	Ataxia and the Cerebellum. <i>Seminars in Pediatric Neurology</i> , 2011, 18, 69-71.	2.0	4
48	Fatal Acute Hemorrhagic Leukoencephalitis Following Immunization Against Human Papillomavirus in a 14-Year-Old Boy. <i>Child Neurology Open</i> , 2021, 8, 2329048X2110161.	1.1	4
49	Reduced Seizure Threshold and Hippocampal Cell Loss in Rats Exposed to Alcohol During the Brain Growth Spurt. <i>Alcoholism: Clinical and Experimental Research</i> , 2001, 25, 70-82.	2.4	4
50	T-Cells Underlie Some but Not All of the Cerebellar Pathology in a Neonatal Rat Model of Congenital Lymphocytic Choriomeningitis Virus Infection. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 1031-1047.	1.7	3
51	Regional Patterns of Alcohol-Induced Neuronal Loss Depend on Genetics: Implications for Fetal Alcohol Spectrum Disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 1627-1639.	2.4	3
52	Arenaviruses. , 2008, , 135-150.		3
53	Introduction. <i>Seminars in Pediatric Neurology</i> , 2012, 19, 87-88.	2.0	2
54	Viral Infections of the Nervous System. , 2017, , 895-906.		2

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55	Alcohol Exposure During the Brain Growth Spurt Promotes Hippocampal Seizures, Rapid Kindling, and Spreading Depression. <i>Alcoholism: Clinical and Experimental Research</i> , 2001, 25, 734-745.	2.4	1
56	Purkinje cell-specific deletion of CREB worsens alcohol-induced cerebellar neuronal losses and motor deficits. <i>Alcohol</i> , 2022, , .	1.7	1
57	Stem cells and their potential therapeutic use in subacute sclerosing panencephalitis. <i>Developmental Medicine and Child Neurology</i> , 2015, 57, 796-797.	2.1	0