

# Bruce Ladenheim

## List of Publications by Year in descending order

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79  
papers

4,708  
citations

87888

38  
h-index

98798

67  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4427  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary folate deficiency and elevated homocysteine levels endanger dopaminergic neurons in models of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2002, 80, 101-110.	3.9	361
2	Methamphetamine induces neuronal apoptosis via cross-talks between endoplasmic reticulum and mitochondria-dependent death cascades. <i>FASEB Journal</i> , 2004, 18, 238-251.	0.5	255
3	Calcineurin/NFAT-induced up-regulation of the Fas ligand/Fas death pathway is involved in methamphetamine-induced neuronal apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 868-873.	7.1	208
4	p53 inhibitors preserve dopamine neurons and motor function in experimental parkinsonism. <i>Annals of Neurology</i> , 2002, 52, 597-606.	5.3	198
5	Sex-Dependent Metabolic, Neuroendocrine, and Cognitive Responses to Dietary Energy Restriction and Excess. <i>Endocrinology</i> , 2007, 148, 4318-4333.	2.8	167
6	Sertraline slows disease progression and increases neurogenesis in N171-82Q mouse model of Huntington's disease. <i>Neurobiology of Disease</i> , 2008, 30, 312-322.	4.4	129
7	Methamphetamine-Induced Neurotoxicity Is Attenuated in Transgenic Mice with a Null Mutation for Interleukin-6. <i>Molecular Pharmacology</i> , 2000, 58, 1247-1256.	2.3	124
8	Methamphetamine-Induced Changes in Antioxidant Enzymes and Lipid Peroxidation in Copper/Zinc-Superoxide Dismutase Transgenic Mice. <i>Annals of the New York Academy of Sciences</i> , 1998, 844, 92-102.	3.8	120
9	Methamphetamine Self-Administration Is Associated with Persistent Biochemical Alterations in Striatal and Cortical Dopaminergic Terminals in the Rat. <i>PLoS ONE</i> , 2010, 5, e8790.	2.5	119
10	Neuroadaptations in the dopaminergic system after active self-administration but not after passive administration of methamphetamine. <i>European Journal of Pharmacology</i> , 1999, 371, 123-135.	3.5	115
11	CREB phosphorylation regulates striatal transcriptional responses in the self-administration model of methamphetamine addiction in the rat. <i>Neurobiology of Disease</i> , 2013, 58, 132-143.	4.4	115
12	Autoradiographic evidence for methamphetamine-induced striatal dopaminergic loss in mouse brain: attenuation in CuZn-superoxide dismutase transgenic mice. <i>Brain Research</i> , 1996, 714, 95-103.	2.2	112
13	Methamphetamine Causes Differential Alterations in Gene Expression and Patterns of Histone Acetylation/Hypoacetylation in the Rat Nucleus Accumbens. <i>PLoS ONE</i> , 2012, 7, e34236.	2.5	111
14	Methamphetamine Downregulates Striatal Glutamate Receptors via Diverse Epigenetic Mechanisms. <i>Biological Psychiatry</i> , 2014, 76, 47-56.	1.3	109
15	Incubation of Methamphetamine and Palatable Food Craving after Punishment-Induced Abstinence. <i>Neuropsychopharmacology</i> , 2014, 39, 2008-2016.	5.4	107
16	Null Mutation of c-fos Causes Exacerbation of Methamphetamine-Induced Neurotoxicity. <i>Journal of Neuroscience</i> , 1999, 19, 10107-10115.	3.6	104
17	Temporal profiling of methamphetamine-induced changes in gene expression in the mouse brain: Evidence from cDNA array. <i>Synapse</i> , 2001, 41, 40-48.	1.2	99
18	CuZn-superoxide dismutase (CuZnSOD) transgenic mice show resistance to the lethal effects of methylenedioxymphetamine (MDA) and of methylenedioxymethamphetamine (MDMA). <i>Brain Research</i> , 1994, 655, 259-262.	2.2	92

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19	Neuropeptide Y Protects against Methamphetamine-Induced Neuronal Apoptosis in the Mouse Striatum. <i>Journal of Neuroscience</i> , 2005, 25, 5273-5279.	3.6	86
20	Paroxetine retards disease onset and progression in Huntingtin mutant mice. <i>Annals of Neurology</i> , 2004, 55, 590-594.	5.3	84
21	Methamphetamine-induced serotonin neurotoxicity is mediated by superoxide radicals. <i>Brain Research</i> , 1995, 677, 345-347.	2.2	79
22	Superoxide radicals mediate the biochemical effects of methylenedioxymethamphetamine (MDMA): Evidence from using CuZn-superoxide dismutase transgenic mice. <i>Synapse</i> , 1995, 21, 169-176.	1.2	78
23	Differential Reinforcing Effects of Cocaine and GBR-12909: Biochemical Evidence for Divergent Neuroadaptive Changes in the Mesolimbic Dopaminergic System. <i>Journal of Neuroscience</i> , 1996, 16, 7416-7427.	3.6	78
24	Involvement of Dopamine Receptors in Binge Methamphetamine-Induced Activation of Endoplasmic Reticulum and Mitochondrial Stress Pathways. <i>PLoS ONE</i> , 2011, 6, e28946.	2.5	78
25	Methamphetamine Induces Dopamine D1 Receptor-Dependent Endoplasmic Reticulum Stress-Related Molecular Events in the Rat Striatum. <i>PLoS ONE</i> , 2009, 4, e6092.	2.5	76
26	Characterization of Human Cleaved N-CAM and Association with Schizophrenia. <i>Experimental Neurology</i> , 2001, 172, 29-46.	4.1	75
27	Amphetamine induces apoptosis of medium spiny striatal projection neurons via the mitochondria-dependent pathway. <i>FASEB Journal</i> , 2005, 19, 1-22.	0.5	67
28	Methamphetamine Causes Coordinate Regulation of Src, Cas, Crk, and the Jun N-Terminal Kinase-Jun Pathway. <i>Molecular Pharmacology</i> , 2002, 61, 1124-1131.	2.3	63
29	Methamphetamine Administration Causes Death of Dopaminergic Neurons in the Mouse Olfactory Bulb. <i>Biological Psychiatry</i> , 2007, 61, 1235-1243.	1.3	62
30	Dietary energy intake modifies brainstem autonomic dysfunction caused by mutant $\alpha$ -synuclein. <i>Neurobiology of Aging</i> , 2013, 34, 928-935.	3.1	58
31	Differential toxic effects of methamphetamine (METH) and methylenedioxymethamphetamine (MDMA) in multidrug-resistant ( <i>mdr1a</i> ) knockout mice. <i>Brain Research</i> , 1997, 769, 340-346.	2.2	49
32	Mice with Partial Deficiency of c-Jun Show Attenuation of Methamphetamine-Induced Neuronal Apoptosis. <i>Molecular Pharmacology</i> , 2002, 62, 993-1000.	2.3	49
33	Methamphetamine Preconditioning Alters Midbrain Transcriptional Responses to Methamphetamine-Induced Injury in the Rat Striatum. <i>PLoS ONE</i> , 2009, 4, e7812.	2.5	49
34	Chronic methamphetamine exposure suppresses the striatal expression of members of multiple families of immediate early genes (IEGs) in the rat: normalization by an acute methamphetamine injection. <i>Psychopharmacology</i> , 2011, 215, 353-365.	3.1	47
35	Environmental enrichment during adolescence regulates gene expression in the striatum of mice. <i>Brain Research</i> , 2008, 1222, 31-41.	2.2	46
36	Neuronal Expression of Familial Parkinson's Disease A53T $\alpha$ -Synuclein Causes Early Motor Impairment, Reduced Anxiety and Potential Sleep Disturbances in Mice. <i>Journal of Parkinson's Disease</i> , 2013, 3, 215-229.	2.8	44

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37	Genome-wide profiling identifies a subset of methamphetamine (METH)-induced genes associated with METH-induced increased H4K5Ac binding in the rat striatum. <i>BMC Genomics</i> , 2013, 14, 545.	2.8	43
38	Monoamine Oxidases Regulate Telencephalic Neural Progenitors in Late Embryonic and Early Postnatal Development. <i>Journal of Neuroscience</i> , 2010, 30, 10752-10762.	3.6	41
39	Molecular Adaptations in the Rat Dorsal Striatum and Hippocampus Following Abstinence-Induced Incubation of Drug Seeking After Escalated Oxycodone Self-Administration. <i>Molecular Neurobiology</i> , 2019, 56, 3603-3615.	4.0	39
40	Methamphetamine Induces TET1- and TET3-Dependent DNA Hydroxymethylation of Crh and Avp Genes in the Rat Nucleus Accumbens. <i>Molecular Neurobiology</i> , 2018, 55, 5154-5166.	4.0	38
41	Sex Differences in Escalated Methamphetamine Self-Administration and Altered Gene Expression Associated With Incubation of Methamphetamine Seeking. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 710-723.	2.1	38
42	Methamphetamine Preconditioning: Differential Protective Effects on Monoaminergic Systems in the Rat Brain. <i>Neurotoxicity Research</i> , 2009, 15, 252-259.	2.7	37
43	Differential effects of methamphetamine and SCH23390 on the expression of members of IEG families of transcription factors in the rat striatum. <i>Brain Research</i> , 2010, 1318, 1-10.	2.2	36
44	Distinct gene expression signatures in the striata of wild-type and heterozygous c-fos knockout mice following methamphetamine administration: Evidence from cDNA array analyses. <i>Synapse</i> , 2002, 44, 211-226.	1.2	35
45	Chronic Methamphetamine Administration Causes Differential Regulation of Transcription Factors in the Rat Midbrain. <i>PLoS ONE</i> , 2011, 6, e19179.	2.5	35
46	Enhanced Upregulation of CRH mRNA Expression in the Nucleus Accumbens of Male Rats after a Second Injection of Methamphetamine Given Thirty Days Later. <i>PLoS ONE</i> , 2014, 9, e84665.	2.5	35
47	Analysis of Ecstasy (MDMA)-induced transcriptional responses in the rat cortex. <i>FASEB Journal</i> , 2002, 16, 1887-1894.	0.5	31
48	Compulsive methamphetamine taking under punishment is associated with greater cue-induced drug seeking in rats. <i>Behavioural Brain Research</i> , 2017, 326, 265-271.	2.2	31
49	Differential effects of binge methamphetamine injections on the mRNA expression of histone deacetylases (HDACs) in the rat striatum. <i>NeuroToxicology</i> , 2014, 45, 178-184.	3.0	27
50	Neonatal dopamine depletion induces changes in morphogenesis and gene expression in the developing cortex. <i>Neurotoxicity Research</i> , 2007, 11, 107-130.	2.7	26
51	Compulsive methamphetamine taking in the presence of punishment is associated with increased oxytocin expression in the nucleus accumbens of rats. <i>Scientific Reports</i> , 2017, 7, 8331.	3.3	26
52	AP-1 DNA-binding activation by methamphetamine involves oxidative stress. , 1996, 24, 213-217.		25
53	Methamphetamine-Induced Dopamine-Independent Alterations in Striatal Gene Expression in the 6-Hydroxydopamine Hemiparkinsonian Rats. <i>PLoS ONE</i> , 2010, 5, e15643.	2.5	25
54	Methamphetamine Preconditioning Causes Differential Changes in Striatal Transcriptional Responses to Large Doses of the Drug. <i>Dose-Response</i> , 2011, 9, dose-response.1.	1.6	25

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55	A Single Prior Injection of Methamphetamine Enhances Methamphetamine Self-Administration (SA) and Blocks SA-Induced Changes in DNA Methylation and mRNA Expression of Potassium Channels in the Rat Nucleus Accumbens. <i>Molecular Neurobiology</i> , 2020, 57, 1459-1472.	4.0	24
56	Increased expression of proenkephalin and prodynorphin mRNAs in the nucleus accumbens of compulsive methamphetamine taking rats. <i>Scientific Reports</i> , 2016, 6, 37002.	3.3	22
57	Escalated Oxycodone Self-Administration and Punishment: Differential Expression of Opioid Receptors and Immediate Early Genes in the Rat Dorsal Striatum and Prefrontal Cortex. <i>Frontiers in Neuroscience</i> , 2019, 13, 1392.	2.8	22
58	Delta opioid peptide [D-Ala2, D-Leu5]enkephalin causes a near complete blockade of the neuronal damage induced by a single high dose of methamphetamine: Examining the role of p53. <i>Synapse</i> , 2001, 39, 305-312.	1.2	20
59	cDNA array analysis of gene expression profiles in the striata of wild-type and Cu/Zn superoxide dismutase transgenic mice treated with neurotoxic doses of amphetamine. <i>FASEB Journal</i> , 2002, 16, 1379-1388.	0.5	19
60	l-Dopa induced dyskinesias in Parkinsonian mice: Disease severity or l-Dopa history. <i>Brain Research</i> , 2015, 1618, 261-269.	2.2	19
61	An Acute Methamphetamine Injection Downregulates the Expression of Several Histone Deacetylases (HDACs) in the Mouse Nucleus Accumbens: Potential Regulatory Role of HDAC2 Expression. <i>Neurotoxicity Research</i> , 2016, 30, 32-40.	2.7	19
62	Neurochemical and behavioral comparisons of contingent and non-contingent methamphetamine exposure following binge or yoked long-access self-administration paradigms. <i>Psychopharmacology</i> , 2020, 237, 1989-2005.	3.1	19
63	Effects of toxic doses of methamphetamine (METH) on dopamine D1 receptors in the mouse brain. <i>Brain Research</i> , 1998, 786, 240-242.	2.2	18
64	Amphetamine causes dopamine depletion and cell death in the mouse olfactory bulb. <i>European Journal of Pharmacology</i> , 2008, 589, 94-97.	3.5	17
65	Methamphetamine treatment causes delayed decrease in novelty-induced locomotor activity in mice. <i>Neuroscience Research</i> , 2009, 65, 160-165.	1.9	17
66	CAMKII-conditional deletion of histone deacetylase 2 potentiates acute methamphetamine-induced expression of immediate early genes in the mouse nucleus accumbens. <i>Scientific Reports</i> , 2015, 5, 13396.	3.3	16
67	Methamphetamine increases expression of the apoptotic c-myc and l-myc genes in the mouse brain. <i>Molecular Brain Research</i> , 2001, 90, 202-204.	2.3	14
68	( $\Delta$ )-3,4-Methylenedioxymethamphetamine and Metabolite Disposition in Plasma and Striatum of Wild-Type and Multidrug Resistance Protein 1a Knock-Out Mice. <i>Journal of Analytical Toxicology</i> , 2011, 35, 470-480.	2.8	10
69	Transgenic superoxide dismutase mice differ in opioid-induced analgesia. <i>European Journal of Pharmacology</i> , 1995, 283, 227-232.	3.5	9
70	Oxycodone self-administration activates the mitogen-activated protein kinase/ mitogen- and stress-activated protein kinase (MAPK-MSK) signaling pathway in the rat dorsal striatum. <i>Scientific Reports</i> , 2021, 11, 2567.	3.3	8
71	Serial Analysis of Gene Expression in the Rat Striatum Following Methamphetamine Administration. <i>Annals of the New York Academy of Sciences</i> , 2006, 1074, 13-30.	3.8	7
72	Mice Lacking Multidrug Resistance Protein 1a Show Altered Dopaminergic Responses to Methylenedioxymethamphetamine (MDMA) in Striatum. <i>Neurotoxicity Research</i> , 2010, 18, 200-209.	2.7	6

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73	Analysis of methamphetamine-induced changes in the expression of integrin family members in the cortex of wild-type and c-fos knockout mice. <i>Neurotoxicity Research</i> , 2002, 4, 617-623.	2.7	5
74	Dietary restriction mitigates cocaine-induced alterations of olfactory bulb cellular plasticity and gene expression, and behavior. <i>Journal of Neurochemistry</i> , 2010, 114, 323-334.	3.9	5
75	Footshock-Induced Abstinence from Compulsive Methamphetamine Self-administration in Rat Model Is Accompanied by Increased Hippocampal Expression of Cannabinoid Receptors (CB1 and CB2). <i>Molecular Neurobiology</i> , 2022, 59, 1238-1248.	4.0	4
76	Elevated body fat increases amphetamine accumulation in brain: evidence from genetic and diet-induced forms of adiposity. <i>Translational Psychiatry</i> , 2021, 11, 427.	4.8	1
77	Footshock-induced abstinence from compulsive methamphetamine self-administration is associated with increased expression of cannabinoid receptors (CB1 and CB2) in the rat hippocampus. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
78	Neurotoxic doses of methamphetamine cause neurocognitive abnormalities in mice. <i>FASEB Journal</i> , 2007, 21, A1174.	0.5	0
79	Differential histone modifications induced by chronic methamphetamine exposure in the rat striatum. <i>FASEB Journal</i> , 2011, 25, 896.6.	0.5	0