

# Michael T Mccoy

## List of Publications by Year in descending order

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54  
papers

11,929  
citations

172457

29  
h-index

175258

52  
g-index

55  
all docs

55  
docs citations

55  
times ranked

11818  
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple technique for quantitation of low levels of DNA damage in individual cells. <i>Experimental Cell Research</i> , 1988, 175, 184-191.	2.6	9,283
2	Abundant alkali-sensitive sites in DNA of human and mouse sperm. <i>Experimental Cell Research</i> , 1989, 184, 461-470.	2.6	246
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	Methamphetamine causes differential regulation of pro-death and anti-death Bcl-2 genes in the mouse neocortex. <i>FASEB Journal</i> , 2001, 15, 1745-1752.	0.5	149
5	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
6	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
7	Methamphetamine induces apoptosis in an immortalized rat striatal cell line by activating the mitochondrial cell death pathway. <i>Neuropharmacology</i> , 2002, 42, 837-845.	4.1	113
8	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
9	Methamphetamine Downregulates Striatal Glutamate Receptors via Diverse Epigenetic Mechanisms. <i>Biological Psychiatry</i> , 2014, 76, 47-56.	1.3	109
10	Incubation of Methamphetamine and Palatable Food Craving after Punishment-Induced Abstinence. <i>Neuropsychopharmacology</i> , 2014, 39, 2008-2016.	5.4	107
11	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
12	Dopamine D1 Receptors, Regulation of Gene Expression in the Brain, and Neurodegeneration. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010, 9, 526-538.	1.4	90
13	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
14	Interleukin 2, interleukin 2 receptor, and interferon- $\gamma$ synthesis and mRNA expression in phorbol myristate acetate and calcionophore A23187-stimulated T cells from elderly humans. <i>Clinical Immunology and Immunopathology</i> , 1989, 53, 297-308.	2.0	71
15	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
16	Methamphetamine Preconditioning Alters Midbrain Transcriptional Responses to Methamphetamine-Induced Injury in the Rat Striatum. <i>PLoS ONE</i> , 2009, 4, e7812.	2.5	49
17	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
18	VASE-Containing N-CAM Isoforms Are Increased in the Hippocampus in Bipolar Disorder but Not Schizophrenia. <i>Experimental Neurology</i> , 1998, 154, 1-11.	4.1	44

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19	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
20	Expression of interleukin 2 and the interleukin 2 receptor in aging rats. <i>Cellular Immunology</i> , 1989, 120, 1-9.	3.0	41
21	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
22	Dual mechanism of Fas-induced cell death in neuroglioma cells: a role for reactive oxygen species. <i>Molecular Brain Research</i> , 1999, 72, 158-165.	2.3	38
23	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
24	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
25	Methamphetamine Preconditioning: Differential Protective Effects on Monoaminergic Systems in the Rat Brain. <i>Neurotoxicity Research</i> , 2009, 15, 252-259.	2.7	37
26	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
27	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
28	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
29	Escalated Oxycodone Self-Administration Causes Differential Striatal mRNA Expression of FGFs and IEGs Following Abstinence-Associated Incubation of Oxycodone Craving. <i>Neuroscience</i> , 2019, 415, 173-183.	2.3	32
30	Analysis of Ecstasy (MDMA)-induced transcriptional responses in the rat cortex. <i>FASEB Journal</i> , 2002, 16, 1887-1894.	0.5	31
31	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
32	Overexpression of superoxide dismutase and catalase in immortalized neural cells: toxic effects of hydrogen peroxide. <i>Brain Research</i> , 1997, 770, 163-168.	2.2	29
33	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
34	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
35	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
36	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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37	Species- and Brain Region-Specific Dopamine Transporters: Immunological and Glycosylation Characteristics. <i>Journal of Neurochemistry</i> , 1996, 66, 2146-2152.	3.9	24
38	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
39	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
40	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
41	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
42	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
43	Selective Activation of Striatal NGF-TrkA/p75NTR/MAPK Intracellular Signaling in Rats That Show Suppression of Methamphetamine Intake 30 Days following Drug Abstinence. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 281-290.	2.1	15
44	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
45	Potassium Channels and Their Potential Roles in Substance Use Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1249.	4.1	14
46	Altered Gene Expression in Pulmonary Tissue of Tryptophan Hydroxylase-1 Knockout Mice: Implications for Pulmonary Arterial Hypertension. <i>PLoS ONE</i> , 2011, 6, e17735.	2.5	13
47	Epigenetic Regulatory Dynamics in Models of Methamphetamine-Use Disorder. <i>Genes</i> , 2021, 12, 1614.	2.4	12
48	Cocaine self-administration alters brain NADH dehydrogenase mRNA levels. <i>NeuroReport</i> , 1997, 8, 2437-2441.	1.2	9
49	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
50	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
51	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
52	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
53	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
54	Differential histone modifications induced by chronic methamphetamine exposure in the rat striatum. <i>FASEB Journal</i> , 2011, 25, 896.6.	0.5	0