

# Ian Maze

## List of Publications by Year in descending order

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53  
papers

8,075  
citations

109264

35  
h-index

175177

52  
g-index

57  
all docs

57  
docs citations

57  
times ranked

9113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Essential Role of the Histone Methyltransferase G9a in Cocaine-Induced Plasticity. <i>Science</i> , 2010, 327, 213-216.	6.0	581
2	Histone Deacetylase 5 Epigenetically Controls Behavioral Adaptations to Chronic Emotional Stimuli. <i>Neuron</i> , 2007, 56, 517-529.	3.8	560
3	Dnmt3a regulates emotional behavior and spine plasticity in the nucleus accumbens. <i>Nature Neuroscience</i> , 2010, 13, 1137-1143.	7.1	553
4	Antidepressant Effect of Optogenetic Stimulation of the Medial Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2010, 30, 16082-16090.	1.7	542
5	Antidepressant Actions of Histone Deacetylase Inhibitors. <i>Journal of Neuroscience</i> , 2009, 29, 11451-11460.	1.7	535
6	Genome-wide Analysis of Chromatin Regulation by Cocaine Reveals a Role for Sirtuins. <i>Neuron</i> , 2009, 62, 335-348.	3.8	371
7	Ventral hippocampal afferents to the nucleus accumbens regulate susceptibility to depression. <i>Nature Communications</i> , 2015, 6, 7062.	5.8	356
8	diffReps: Detecting Differential Chromatin Modification Sites from ChIP-seq Data with Biological Replicates. <i>PLoS ONE</i> , 2013, 8, e65598.	1.1	355
9	Histone serotonylation is a permissive modification that enhances TFIIID binding to H3K4me3. <i>Nature</i> , 2019, 567, 535-539.	13.7	292
10	Every amino acid matters: essential contributions of histone variants to mammalian development and disease. <i>Nature Reviews Genetics</i> , 2014, 15, 259-271.	7.7	285
11	Circuit-wide Transcriptional Profiling Reveals Brain Region-Specific Gene Networks Regulating Depression Susceptibility. <i>Neuron</i> , 2016, 90, 969-983.	3.8	272
12	Critical Role of Histone Turnover in Neuronal Transcription and Plasticity. <i>Neuron</i> , 2015, 87, 77-94.	3.8	257
13	A Role for Repressive Histone Methylation in Cocaine-Induced Vulnerability to Stress. <i>Neuron</i> , 2011, 71, 656-670.	3.8	245
14	Nuclear Factor $\hat{\rho}$ B Signaling Regulates Neuronal Morphology and Cocaine Reward. <i>Journal of Neuroscience</i> , 2009, 29, 3529-3537.	1.7	228
15	$\hat{\rho}$ FosB Mediates Epigenetic Desensitization of the c-fos Gene After Chronic Amphetamine Exposure. <i>Journal of Neuroscience</i> , 2008, 28, 7344-7349.	1.7	222
16	The epigenetic landscape of addiction. <i>Annals of the New York Academy of Sciences</i> , 2011, 1216, 99-113.	1.8	190
17	Cocaine dynamically regulates heterochromatin and repetitive element unsilencing in nucleus accumbens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3035-3040.	3.3	179
18	Rac1 is essential in cocaine-induced structural plasticity of nucleus accumbens neurons. <i>Nature Neuroscience</i> , 2012, 15, 891-896.	7.1	160

#	ARTICLE	IF	CITATIONS
19	Dopaminylation of histone H3 in ventral tegmental area regulates cocaine seeking. <i>Science</i> , 2020, 368, 197-201.	6.0	152
20	Chronic cocaine-regulated epigenomic changes in mouse nucleus accumbens. <i>Genome Biology</i> , 2014, 15, R65.	13.9	151
21	Class I HDAC inhibition blocks cocaine-induced plasticity by targeted changes in histone methylation. <i>Nature Neuroscience</i> , 2013, 16, 434-440.	7.1	145
22	Histone Regulation in the CNS: Basic Principles of Epigenetic Plasticity. <i>Neuropsychopharmacology</i> , 2013, 38, 3-22.	2.8	118
23	Role of Nuclear Factor $\kappa$ B in Ovarian Hormone-Mediated Stress Hypersensitivity in Female Mice. <i>Biological Psychiatry</i> , 2009, 65, 874-880.	0.7	115
24	Morphine Epigenomically Regulates Behavior through Alterations in Histone H3 Lysine 9 Dimethylation in the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 2012, 32, 17454-17464.	1.7	115
25	Behavioral epigenetics. <i>Annals of the New York Academy of Sciences</i> , 2011, 1226, 14-33.	1.8	109
26	Analytical tools and current challenges in the modern era of neuroepigenomics. <i>Nature Neuroscience</i> , 2014, 17, 1476-1490.	7.1	100
27	ACF chromatin-remodeling complex mediates stress-induced depressive-like behavior. <i>Nature Medicine</i> , 2015, 21, 1146-1153.	15.2	83
28	Serum Response Factor Promotes Resilience to Chronic Social Stress through the Induction of $\kappa$ FosB. <i>Journal of Neuroscience</i> , 2010, 30, 14585-14592.	1.7	81
29	C9a influences neuronal subtype specification in striatum. <i>Nature Neuroscience</i> , 2014, 17, 533-539.	7.1	78
30	Stress resilience is promoted by a Zfp189-driven transcriptional network in prefrontal cortex. <i>Nature Neuroscience</i> , 2019, 22, 1413-1423.	7.1	78
31	Nothing Is Yet Set in (Hi)stone: Novel Post-Translational Modifications Regulating Chromatin Function. <i>Trends in Biochemical Sciences</i> , 2020, 45, 829-844.	3.7	63
32	Cell-type-specific role for nucleus accumbens neuroligin-2 in depression and stress susceptibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1111-1116.	3.3	61
33	Histone arginine methylation in cocaine action in the nucleus accumbens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9623-9628.	3.3	52
34	ATRX tolerates activity-dependent histone H3 methyl/phos switching to maintain repetitive element silencing in neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6820-6827.	3.3	49
35	Aberrant H3.3 dynamics in NAc promote vulnerability to depressive-like behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12562-12567.	3.3	44
36	Circuit-specific hippocampal $\kappa$ FosB underlies resilience to stress-induced social avoidance. <i>Nature Communications</i> , 2020, 11, 4484.	5.8	39

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37	Knockdown of the histone di-methyltransferase G9a in nucleus accumbens shell decreases cocaine self-administration, stress-induced reinstatement, and anxiety. <i>Neuropsychopharmacology</i> , 2019, 44, 1370-1376.	2.8	29
38	Histone H3Q5 seronylation stabilizes H3K4 methylation and potentiates its readout. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	27
39	Histone turnover and chromatin accessibility: Critical mediators of neurological development, plasticity, and disease. <i>BioEssays</i> , 2016, 38, 410-419.	1.2	25
40	Epigenetic Regulation of Hippocampal <i>Fosb</i> Expression Controls Behavioral Responses to Cocaine. <i>Journal of Neuroscience</i> , 2019, 39, 8305-8314.	1.7	24
41	̳FosB Induction in Prefrontal Cortex by Antipsychotic Drugs is Associated with Negative Behavioral Outcomes. <i>Neuropsychopharmacology</i> , 2014, 39, 538-544.	2.8	23
42	Epigenetics of Drug Addiction. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2021, 11, a040253.	2.9	21
43	Chromatin regulation in complex brain disorders. <i>Current Opinion in Behavioral Sciences</i> , 2019, 25, 57-65.	2.0	20
44	Transcriptional Mechanisms Underlying Addiction-Related Structural Plasticity. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2010, 10, 219-230.	3.4	19
45	An emerging perspective on histone code mediated regulation of neural plasticity and disease. <i>Current Opinion in Neurobiology</i> , 2019, 59, 157-163.	2.0	18
46	Histone H3 dopaminylation in ventral tegmental area underlies heroin-induced transcriptional and behavioral plasticity in male rats. <i>Neuropsychopharmacology</i> , 2022, 47, 1776-1783.	2.8	17
47	Chromatin profiling in human neurons reveals aberrant roles for histone acetylation and BET family proteins in schizophrenia. <i>Nature Communications</i> , 2022, 13, 2195.	5.8	13
48	Extracellular histones, a new class of inhibitory molecules of CNS axonal regeneration. <i>Brain Communications</i> , 2021, 3, fcab271.	1.5	8
49	Histone Crotonylation Makes Its Mark in Depression Research. <i>Biological Psychiatry</i> , 2019, 85, 616-618.	0.7	7
50	Translational Molecular Approaches in Substance Abuse Research. <i>Handbook of Experimental Pharmacology</i> , 2019, 258, 31-60.	0.9	5
51	Epigenetic Mechanisms of Drug Addiction. <i>Research and Perspectives in Neurosciences</i> , 2012, , 145-160.	0.4	1
52	Epigenetic Mechanisms of Drug Addiction Vulnerability. , 2014, , 441-462.		0
53	T9. EPIGENETIC PROFILING IN SCHIZOPHRENIA DERIVED HUMAN INDUCED PLURIPOTENT STEM CELLS (HIPSCS) AND NEURONS. <i>Schizophrenia Bulletin</i> , 2020, 46, S234-S234.	2.3	0