

Michael D Scofield

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,392
citations

331670

21
h-index

223800

46
g-index

58
all docs

58
docs citations

58
times ranked

2828
citing authors

#	ARTICLE	IF	CITATIONS
1	The Nucleus Accumbens: Mechanisms of Addiction across Drug Classes Reflect the Importance of Glutamate Homeostasis. <i>Pharmacological Reviews</i> , 2016, 68, 816-871.	16.0	442
2	Astrocytic Dysfunction and Addiction. <i>Neuroscientist</i> , 2014, 20, 610-622.	3.5	158
3	Gq-DREADD Selectively Initiates Glial Glutamate Release and Inhibits Cue-induced Cocaine Seeking. <i>Biological Psychiatry</i> , 2015, 78, 441-451.	1.3	156
4	Glutamate transporter <sc>GLT</sc> mediates <sc>N</sc>-acetylcysteine inhibition of cocaine reinstatement. <i>Addiction Biology</i> , 2015, 20, 316-323.	2.6	149
5	Synaptic Glutamate Spillover Due to Impaired Glutamate Uptake Mediates Heroin Relapse. <i>Journal of Neuroscience</i> , 2014, 34, 5649-5657.	3.6	141
6	Cocaine Self-Administration and Extinction Leads to Reduced Glial Fibrillary Acidic Protein Expression and Morphometric Features of Astrocytes in the Nucleus Accumbens Core. <i>Biological Psychiatry</i> , 2016, 80, 207-215.	1.3	133
7	Synaptic plasticity mediating cocaine relapse requires matrix metalloproteinases. <i>Nature Neuroscience</i> , 2014, 17, 1655-1657.	14.8	121
8	Accumbens nNOS Interneurons Regulate Cocaine Relapse. <i>Journal of Neuroscience</i> , 2017, 37, 742-756.	3.6	80
9	The nicotinic acetylcholine receptor CHRNA5/A3/B4 gene cluster: Dual role in nicotine addiction and lung cancer. <i>Progress in Neurobiology</i> , 2010, 92, 212-226.	5.7	77
10	Chemogenetic Manipulations of Ventral Tegmental Area Dopamine Neurons Reveal Multifaceted Roles in Cocaine Abuse. <i>Journal of Neuroscience</i> , 2019, 39, 503-518.	3.6	72
11	A Model of δ^9 -Tetrahydrocannabinol Self-administration and Reinstatement That Alters Synaptic Plasticity in Nucleus Accumbens. <i>Biological Psychiatry</i> , 2018, 84, 601-610.	1.3	68
12	The tetrapartite synapse: Extracellular matrix remodeling contributes to corticoaccumbens plasticity underlying drug addiction. <i>Brain Research</i> , 2015, 1628, 29-39.	2.2	64
13	Effects of Methamphetamine Self-Administration and Extinction on Astrocyte Structure and Function in the Nucleus Accumbens Core. <i>Neuroscience</i> , 2019, 406, 528-541.	2.3	60
14	Heroin Cue-Evoked Astrocytic Structural Plasticity at Nucleus Accumbens Synapses Inhibits Heroin Seeking. <i>Biological Psychiatry</i> , 2019, 86, 811-819.	1.3	56
15	From smoking to lung cancer: the CHRNA5/A3/B4 connection. <i>Oncogene</i> , 2010, 29, 4874-4884.	5.9	50
16	The good and bad news about glutamate in drug addiction. <i>Journal of Psychopharmacology</i> , 2016, 30, 1095-1098.	4.0	47
17	Cocaine Dysregulates Opioid Gating of GABA Neurotransmission in the Ventral Pallidum. <i>Journal of Neuroscience</i> , 2014, 34, 1057-1066.	3.6	45
18	Cocaine and sucrose rewards recruit different seeking ensembles in the nucleus accumbens core. <i>Molecular Psychiatry</i> , 2020, 25, 3150-3163.	7.9	44

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19	Exploring the Role of Astroglial Glutamate Release and Association With Synapses in Neuronal Function and Behavior. <i>Biological Psychiatry</i> , 2018, 84, 778-786.	1.3	40
20	MEF2C Hypofunction in Neuronal and Neuroimmune Populations Produces MEF2C Haploinsufficiency Syndrome-like Behaviors in Mice. <i>Biological Psychiatry</i> , 2020, 88, 488-499.	1.3	33
21	Failure to Recognize Novelty after Extended Methamphetamine Self-Administration Results from Loss of Long-Term Depression in the Perirhinal Cortex. <i>Neuropsychopharmacology</i> , 2015, 40, 2526-2535.	5.4	27
22	Interactions of neuroimmune signaling and glutamate plasticity in addiction. <i>Journal of Neuroinflammation</i> , 2021, 18, 56.	7.2	27
23	Astrocyte regulation of synaptic signaling in psychiatric disorders. <i>Neuropsychopharmacology</i> , 2023, 48, 21-36.	5.4	27
24	Heroin Seeking and Extinction From Seeking Activate Matrix Metalloproteinases at Synapses on Distinct Subpopulations of Accumbens Cells. <i>Biological Psychiatry</i> , 2021, 89, 947-958.	1.3	26
25	Rapid, transient potentiation of dendritic spines in context-induced relapse to cocaine seeking. <i>Addiction Biology</i> , 2014, 19, 972-974.	2.6	24
26	Effects of aging on glutamate neurotransmission in the substantia nigra of Gdnf heterozygous mice. <i>Neurobiology of Aging</i> , 2015, 36, 1569-1576.	3.1	19
27	Accumbens Mechanisms for Cued Sucrose Seeking. <i>Neuropsychopharmacology</i> , 2017, 42, 2377-2386.	5.4	19
28	Enduring alterations in hippocampal astrocytesynaptic proximity following adolescent alcohol exposure: reversal by gabapentin. <i>Neural Regeneration Research</i> , 2020, 15, 1496.	3.0	18
29	Relapse-Associated Transient Synaptic Potentiation Requires Integrin-Mediated Activation of Focal Adhesion Kinase and Cofilin in D1-Expressing Neurons. <i>Journal of Neuroscience</i> , 2020, 40, 8463-8477.	3.6	16
30	Perirhinal Cortex mGlu5 Receptor Activation Reduces Relapse to Methamphetamine Seeking by Restoring Novelty Salience. <i>Neuropsychopharmacology</i> , 2016, 41, 1477-1485.	5.4	14
31	Chemogenetic activation of the perirhinal cortex reverses methamphetamine-induced memory deficits and reduces relapse. <i>Learning and Memory</i> , 2018, 25, 410-415.	1.3	13
32	Chronic intermittent ethanol and lipopolysaccharide exposure differentially alter Iba1-derived microglia morphology in the prelimbic cortex and nucleus accumbens core of male Long-Evans rats. <i>Journal of Neuroscience Research</i> , 2021, 99, 1922-1939.	2.9	12
33	miRNAome analysis of the mammalian neuronal nicotinic acetylcholine receptor gene family. <i>Rna</i> , 2014, 20, 1890-1899.	3.5	11
34	Accumbens Cholinergic Interneurons Mediate Cue-Induced Nicotine Seeking and Associated Glutamatergic Plasticity. <i>ENeuro</i> , 2021, 8, ENEURO.0276-20.2020.	1.9	11
35	Accumbens nNOS Interneurons Regulate Cocaine Relapse. <i>Journal of Neuroscience</i> , 2017, 37, 742-756.	3.6	11
36	Temporally- and spatially-regulated transcriptional activity of the nicotinic acetylcholine receptor $\alpha 24$ subunit gene promoter. <i>Neuroscience</i> , 2010, 166, 864-877.	2.3	10

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37	Nucleus Accumbens 1, a Pox virus and Zinc finger/Bric-a-brac Tramtrack Broad protein binds to TAR DNA-binding protein 43 and has a potential role in Amyotrophic Lateral Sclerosis. <i>Neuroscience</i> , 2012, 227, 44-54.	2.3	10
38	Chemogenetic inhibition of corticostriatal circuits reduces cued reinstatement of methamphetamine seeking. <i>Addiction Biology</i> , 2022, 27, e13097.	2.6	10
39	Transcription factor assembly on the nicotinic receptor $\alpha 4$ subunit gene promoter. <i>NeuroReport</i> , 2008, 19, 687-690.	1.2	8
40	A transcriptional regulatory element critical for CHRN4 promoter activity in vivo. <i>Neuroscience</i> , 2010, 170, 1056-1064.	2.3	8
41	Amperometric measurements of cocaine cue and novel context-evoked glutamate and nitric oxide release in the nucleus accumbens core. <i>Journal of Neurochemistry</i> , 2020, 153, 599-616.	3.9	8
42	A Subset of Nucleus Accumbens Neurons Receiving Dense and Functional Prelimbic Cortical Input Are Required for Cocaine Seeking. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 844243.	3.7	8
43	Astrocytes in Addictive Disorders. <i>Advances in Neurobiology</i> , 2021, 26, 231-254.	1.8	7
44	Forgiving the sins of the fathers. <i>Nature Neuroscience</i> , 2013, 16, 4-5.	14.8	2
45	Similitude in Methamphetamine-Induced Neuroadaptations Across Susceptibility and Chronic Drug Exposure Paradigms. <i>Biological Psychiatry</i> , 2017, 81, e83-e84.	1.3	1
46	24. Understanding Tetrapartite Synapses to Understand Relapse to Drug Use. <i>Biological Psychiatry</i> , 2017, 81, S10-S11.	1.3	1
47	Quiet on the Set! Astroglia Star in Silent Synaptogenesis and Cocaine Memory Formation. <i>Biological Psychiatry</i> , 2021, 89, 328-330.	1.3	1
48	Molecular Underpinnings of Neuronal Nicotinic Acetylcholine Receptor Expression. , 2014, , 39-60.		1
49	Cocaine Dependence. , 2015, , 385-390.		0