

Alexander F Hoffman

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

5,349
citations

101535

36
h-index

133244

59
g-index

68
all docs

68
docs citations

68
times ranked

5833
citing authors

#	ARTICLE	IF	CITATIONS
1	A role for $\alpha 7$ nicotinic receptors in promoting stress resilience in female mice. <i>Neuropsychopharmacology</i> , 2022, , .	5.4	0
2	Reversing anterior insular cortex neuronal hypoexcitability attenuates compulsive behavior in adolescent rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121247119.	7.1	3
3	Muscarinic Acetylcholine M_2 Receptors Regulate Lateral Habenula Neuron Activity and Control Cocaine Seeking Behavior. <i>Journal of Neuroscience</i> , 2022, 42, 5552-5563.	3.6	5
4	Impairment of Synaptic Plasticity by Cannabis, Δ^9 -THC, and Synthetic Cannabinoids. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2021, 11, a039743.	6.2	10
5	Effects of Withdrawal from Cocaine Self-Administration on Rat Orbitofrontal Cortex Parvalbumin Neurons Expressing <i>Cre</i> recombinase: Sex-Dependent Changes in Neuronal Function and Unaltered Serotonin Signaling. <i>ENeuro</i> , 2021, 8, ENEURO.0017-21.2021.	1.9	9
6	Striatal <i>Rgs4</i> regulates feeding and susceptibility to diet-induced obesity. <i>Molecular Psychiatry</i> , 2020, 25, 2058-2069.	7.9	14
7	Positive Allosteric Modulation of the 5-HT $_{1A}$ Receptor by Indole-Based Synthetic Cannabinoids Abused by Humans. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1400-1405.	3.5	19
8	(-)-Phenserine and the prevention of pre-programmed cell death and neuroinflammation in mild traumatic brain injury and Alzheimer's disease challenged mice. <i>Neurobiology of Disease</i> , 2019, 130, 104528.	4.4	33
9	Neuron-Specific Genome Modification in the Adult Rat Brain Using CRISPR-Cas9 Transgenic Rats. <i>Neuron</i> , 2019, 102, 105-119.e8.	8.1	62
10	Novel and Potent Dopamine D_2 Receptor Go-Protein Biased Agonists. <i>ACS Pharmacology and Translational Science</i> , 2019, 2, 52-65.	4.9	43
11	Gs β versus Golf-dependent functional selectivity mediated by the dopamine D1 receptor. <i>Nature Communications</i> , 2018, 9, 486.	12.8	38
12	Optogenetic silencing of a corticotropin-releasing factor pathway from the central amygdala to the bed nucleus of the stria terminalis disrupts sustained fear. <i>Molecular Psychiatry</i> , 2018, 23, 914-922.	7.9	72
13	Cannabinoid disruption of learning mechanisms involved in reward processing. <i>Learning and Memory</i> , 2018, 25, 435-445.	1.3	12
14	Enduring Loss of Serotonergic Control of Orbitofrontal Cortex Function Following Contingent and Noncontingent Cocaine Exposure. <i>Cerebral Cortex</i> , 2017, 27, 5463-5476.	2.9	6
15	Disruption of hippocampal synaptic transmission and long-term potentiation by psychoactive synthetic cannabinoid "Spice" compounds: comparison with Δ^9 -tetrahydrocannabinol. <i>Addiction Biology</i> , 2017, 22, 390-399.	2.6	36
16	Cannabinoids as hippocampal network administrators. <i>Neuropharmacology</i> , 2017, 124, 25-37.	4.1	46
17	Enhanced Dopamine Release by Dopamine Transport Inhibitors Described by a Restricted Diffusion Model and Fast-Scan Cyclic Voltammetry. <i>ACS Chemical Neuroscience</i> , 2016, 7, 700-709.	3.5	37
18	Dopaminergic and glutamatergic microdomains in a subset of rodent mesoaccumbens axons. <i>Nature Neuroscience</i> , 2015, 18, 386-392.	14.8	222

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19	Norepinephrine Activates Dopamine D ₄ Receptors in the Rat Lateral Habenula. <i>Journal of Neuroscience</i> , 2015, 35, 3460-3469.	3.6	62
20	Orbitofrontal activation restores insight lost after cocaine use. <i>Nature Neuroscience</i> , 2014, 17, 1092-1099.	14.8	57
21	A glutamatergic reward input from the dorsal raphe to ventral tegmental area dopamine neurons. <i>Nature Communications</i> , 2014, 5, 5390.	12.8	158
22	Single rodent mesohabenular axons release glutamate and GABA. <i>Nature Neuroscience</i> , 2014, 17, 1543-1551.	14.8	290
23	Synaptic Targets of Δ^9 -Tetrahydrocannabinol in the Central Nervous System. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013, 3, a012237-a012237.	6.2	49
24	Powerful Cocaine-Like Actions of 3,4-Methylenedioxypropylvalerone (MDPV), a Principal Constituent of Psychoactive "Bath Salts" Products. <i>Neuropsychopharmacology</i> , 2013, 38, 552-562.	5.4	361
25	Cocaine Drives Aversive Conditioning via Delayed Activation of Dopamine-Responsive Habenular and Midbrain Pathways. <i>Journal of Neuroscience</i> , 2013, 33, 7501-7512.	3.6	175
26	Dopamine D ₄ Receptor Excitation of Lateral Habenula Neurons via Multiple Cellular Mechanisms. <i>Journal of Neuroscience</i> , 2013, 33, 16853-16864.	3.6	56
27	PTEN deletion enhances survival, neurite outgrowth and function of dopamine neuron grafts to MitoPark mice. <i>Brain</i> , 2012, 135, 2736-2749.	7.6	39
28	Silent synapses in selectively activated nucleus accumbens neurons following cocaine sensitization. <i>Nature Neuroscience</i> , 2012, 15, 1556-1562.	14.8	85
29	Altered dopamine metabolism and increased vulnerability to MPTP in mice with partial deficiency of mitochondrial complex I in dopamine neurons. <i>Human Molecular Genetics</i> , 2012, 21, 1078-1089.	2.9	69
30	Attenuated response to methamphetamine sensitization and deficits in motor learning and memory after selective deletion of Δ -catenin in dopamine neurons. <i>Learning and Memory</i> , 2012, 19, 341-350.	1.3	15
31	Impaired nigrostriatal function precedes behavioral deficits in a genetic mitochondrial model of Parkinson's disease. <i>FASEB Journal</i> , 2011, 25, 1333-1344.	0.5	112
32	NMDA Receptors on Non-Dopaminergic Neurons in the VTA Support Cocaine Sensitization. <i>PLoS ONE</i> , 2010, 5, e12141.	2.5	39
33	Control of Cannabinoid CB ₁ Receptor Function on Glutamate Axon Terminals by Endogenous Adenosine Acting at A ₁ Receptors. <i>Journal of Neuroscience</i> , 2010, 30, 545-555.	3.6	91
34	Nogo receptor 1 regulates formation of lasting memories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20476-20481.	7.1	76
35	Attenuation of basal and cocaine-enhanced locomotion and nucleus accumbens dopamine in cannabinoid CB ₁ -receptor-knockout mice. <i>Psychopharmacology</i> , 2009, 204, 1-11.	3.1	68
36	Analogues of JHU75528, a PET ligand for imaging of cerebral cannabinoid receptors (CB ₁): Development of ligands with optimized lipophilicity and binding affinity. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 593-608.	5.5	16

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37	MPTP-induced deficits in striatal synaptic plasticity are prevented by glial cell line-derived neurotrophic factor expressed <i>in vivo</i> via an adeno-associated viral vector. <i>FASEB Journal</i> , 2008, 22, 261-275.	0.5	51
38	Opposing actions of chronic Δ^9 -tetrahydrocannabinol and cannabinoid antagonists on hippocampal long-term potentiation. <i>Learning and Memory</i> , 2007, 14, 63-74.	1.3	126
39	Visualizing Cannabinoid Effects Using Brain Slice Imaging and Electrophysiological Approaches. , 2006, 123, 105-112.		1
40	Species and strain differences in the expression of a novel glutamate-modulating cannabinoid receptor in the rodent hippocampus. <i>European Journal of Neuroscience</i> , 2005, 22, 2387-2391.	2.6	50
41	Marijuana and cannabinoid regulation of brain reward circuits. <i>British Journal of Pharmacology</i> , 2004, 143, 227-234.	5.4	227
42	Functional localization of cannabinoid receptors and endogenous cannabinoid production in distinct neuron populations of the hippocampus. <i>European Journal of Neuroscience</i> , 2003, 18, 524-534.	2.6	76
43	Synthesis, Structure-Activity Relationship, and Evaluation of SR141716 Analogues: Development of Central Cannabinoid Receptor Ligands with Lower Lipophilicity. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 642-645.	6.4	125
44	Functional Tolerance and Blockade of Long-Term Depression at Synapses in the Nucleus Accumbens after Chronic Cannabinoid Exposure. <i>Journal of Neuroscience</i> , 2003, 23, 4815-4820.	3.6	183
45	Contribution of the Hyperpolarization-Activated Current (I_h) to Membrane Potential and GABA Release in Hippocampal Interneurons. <i>Journal of Neurophysiology</i> , 2001, 86, 261-268.	1.8	148
46	Direct Actions of Cannabinoids on Synaptic Transmission in the Nucleus Accumbens: A Comparison With Opioids. <i>Journal of Neurophysiology</i> , 2001, 85, 72-83.	1.8	182
47	Effects of recording media composition on the responses of Nafion-coated carbon fiber microelectrodes measured using high-speed chronoamperometry. <i>Journal of Neuroscience Methods</i> , 2001, 109, 13-21.	2.5	83
48	Mechanisms of Cannabinoid Inhibition of GABA _A Synaptic Transmission in the Hippocampus. <i>Journal of Neuroscience</i> , 2000, 20, 2470-2479.	3.6	384
49	EFFECTS OF ETHANOL ON EXTRACELLULAR AMINO ACID LEVELS IN HIGH-AND LOW-ALCOHOL SENSITIVE RATS: A MICRODIALYSIS STUDY. <i>Alcohol and Alcoholism</i> , 2000, 35, 548-553.	1.6	68
50	Voltage-dependency of the dopamine transporter in the rat substantia nigra. <i>Neuroscience Letters</i> , 1999, 260, 105-108.	2.1	34
51	Functional Effects of GDNF in Normal and Parkinsonian Rats and Monkeys. , 1999, , 419-435.		3
52	Nicotine-evoked nitric oxide release in the rat hippocampal slice. <i>Neuroscience Letters</i> , 1998, 255, 127-130.	2.1	35
53	In Vivo Electrochemical Studies of Dopamine Clearance in the Rat Substantia Nigra: Effects of Locally Applied Uptake Inhibitors and Unilateral 6-Hydroxydopamine Lesions. <i>Journal of Neurochemistry</i> , 1998, 70, 179-189.	3.9	49
54	Functional Effects of GDNF on Dopamine Neurons in Animal Models of Parkinson's Disease. <i>Advances in Behavioral Biology</i> , 1998, , 607-614.	0.2	1

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55	Voltage-Dependency of the Dopamine Transporter in Rat Brain. <i>Advances in Pharmacology</i> , 1997, 42, 195-198.	2.0	11
56	In Vivo Microdialysis Studies of Somatodendritic Dopamine Release in the Rat Substantia Nigra: Effects of Unilateral 6-OHDA Lesions and GDNF. <i>Experimental Neurology</i> , 1997, 147, 130-141.	4.1	46
57	Glial cell line-derived neurotrophic factor supports survival of injured midbrain dopaminergic neurons. <i>Journal of Comparative Neurology</i> , 1995, 355, 479-489.	1.6	284
58	Glial cell line-derived neurotrophic factor augments midbrain dopaminergic circuits in vivo. <i>Brain Research Bulletin</i> , 1995, 36, 425-432.	3.0	224
59	Glial cell line-derived neurotrophic factor reverses toxin-induced injury to midbrain dopaminergic neurons in vivo. <i>Neuroscience Letters</i> , 1994, 182, 107-111.	2.1	431
60	Chronic Treatment with Levodopa and/or Selegiline Does Not Affect Behavioral Recovery Induced by Fetal Ventral Mesencephalic Grafts in Unilaterally 6-Hydroxydopamine-Lesioned Rats. <i>Experimental Neurology</i> , 1994, 130, 261-268.	4.1	13
61	Allogeneic grafts of fetal dopamine neurons: Behavioral indices of immunological interactions. <i>Neuroscience Letters</i> , 1994, 171, 32-36.	2.1	24