

Charles D Nichols

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67
papers

3,550
citations

31
h-index

59
g-index

78
ext. papers

4,304
ext. citations

5.2
avg, IF

5.94
L-index

#	Paper	IF	Citations
67	Pharmahuasca and DMT Rescue ROS Production and Differentially Expressed Genes Observed after Predator and Psychosocial Stress: Relevance to Human PTSD.. <i>ACS Chemical Neuroscience</i> , 2022 ,	5.7	2
66	Herpes Simplex Virus-1 Induced Serotonin-Associated Metabolic Pathways Correlate With Severity of Virus- and Inflammation-Associated Ocular Disease.. <i>Frontiers in Microbiology</i> , 2022 , 13, 859866	5.7	
65	Psychedelics and Anti-inflammatory Activity in Animal Models.. <i>Current Topics in Behavioral Neurosciences</i> , 2022 , 1	3.4	0
64	Lysergic acid diethylamide induces increased signalling entropy in ratsUprefrontal cortex. <i>Journal of Neurochemistry</i> , 2021 ,	6	2
63	Serotonin 5-HT receptor activity mediates adipocyte differentiation through control of adipogenic gene expression. <i>Scientific Reports</i> , 2021 , 11, 19714	4.9	2
62	Structure-Activity Relationship Analysis of Psychedelics in a Rat Model of Asthma Reveals the Anti-Inflammatory Pharmacophore. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 488-502	5.9	9
61	From psychiatry to neurology: Psychedelics as prospective therapeutics for neurodegenerative disorders. <i>Journal of Neurochemistry</i> , 2021 ,	6	5
60	Psychedelics, but Not Ketamine, Produce Persistent Antidepressant-like Effects in a Rodent Experimental System for the Study of Depression. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 864-871	5.7	39
59	Classic psychedelics as therapeutics for psychiatric disorders. <i>Handbook of Behavioral Neuroscience</i> , 2020 , 31, 959-966	0.7	3
58	One Dose of Psilocybin in Late Adolescence Mitigates Deleterious Effects of Developmental Stress on Cognition and Behavioral Despair in Adult Female Rats. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	5
57	Safety, tolerability, pharmacokinetics, and pharmacodynamics of low dose lysergic acid diethylamide (LSD) in healthy older volunteers. <i>Psychopharmacology</i> , 2020 , 237, 841-853	4.7	42
56	Activation of 5-HT Receptors Reduces Inflammation in Vascular Tissue and Cholesterol Levels in High-Fat Diet-Fed Apolipoprotein E Knockout Mice. <i>Scientific Reports</i> , 2019 , 9, 13444	4.9	16
55	Microdosing psychedelics: More questions than answers? An overview and suggestions for future research. <i>Journal of Psychopharmacology</i> , 2019 , 33, 1039-1057	4.6	60
54	5-HT receptor activation alleviates airway inflammation and structural remodeling in a chronic mouse asthma model. <i>Life Sciences</i> , 2019 , 236, 116790	6.8	21
53	Elucidating Anti-Inflammatory Signaling Paradigm at the 5-HT _{2A} Receptor. <i>FASEB Journal</i> , 2019 , 33, 5031-5033	1.3	1
52	Psychedelics Improve the Mental Health of Rats. <i>FASEB Journal</i> , 2019 , 33, 666.1	0.9	1
51	Population Survey Data Informing the Therapeutic Potential of Classic and Novel Phenethylamine, Tryptamine, and Lysergamide Psychedelics. <i>Frontiers in Psychiatry</i> , 2019 , 10, 896	5	14

50	Psychedelics as anti-inflammatory agents. <i>International Review of Psychiatry</i> , 2018 , 30, 363-375	3.6	49
49	The Effects of Hallucinogens on Gene Expression. <i>Current Topics in Behavioral Neurosciences</i> , 2018 , 36, 137-158	3.4	19
48	Neurocytometry: Flow Cytometric Sorting of Specific Neuronal Populations from Human and Rodent Brain. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 356-367	5.7	22
47	Psychedelic Drugs in Biomedicine. <i>Trends in Pharmacological Sciences</i> , 2017 , 38, 992-1005	13.2	75
46	Psychedelics as Medicines: An Emerging New Paradigm. <i>Clinical Pharmacology and Therapeutics</i> , 2017 , 101, 209-219	6.1	126
45	Schizophrenia Modeling Using Lysergic Acid Diethylamide 2016 , 859-865		0
44	Psychedelics Recruit Multiple Cellular Types and Produce Complex Transcriptional Responses Within the Brain. <i>EBioMedicine</i> , 2016 , 11, 262-277	8.8	26
43	Serotonin 5-HT ₂ receptor activation prevents allergic asthma in a mouse model. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 308, L191-8	5.8	43
42	Visualization of the Serotonin System in Drosophila Brain: Immunofluorescence and Confocal Microscopy. <i>Neuromethods</i> , 2015 , 191-203	0.4	
41	Drosophila Models in Therapeutic Drug Discovery Related to Aging. <i>Healthy Ageing and Longevity</i> , 2015 , 213-225	0.5	
40	DREADDs in Drosophila melanogaster. <i>Neuromethods</i> , 2015 , 147-158	0.4	
39	Allergic Asthma and Serotonin 5-HT ₂ Receptor Activation: New Therapeutic Directions. <i>FASEB Journal</i> , 2015 , 29, 775.8	0.9	
38	Hallucinogens Activate a Specific Population of Neurons in the Cortex. <i>FASEB Journal</i> , 2015 , 29, 931.14	0.9	
37	Chronic LSD alters gene expression profiles in the mPFC relevant to schizophrenia. <i>Neuropharmacology</i> , 2014 , 83, 1-8	5.5	36
36	DREADDs in Drosophila: a pharmacogenetic approach for controlling behavior, neuronal signaling, and physiology in the fly. <i>Cell Reports</i> , 2013 , 4, 1049-59	10.6	31
35	5-HT stimulation of heart rate in Drosophila does not act through cAMP as revealed by pharmacogenetics. <i>Journal of Applied Physiology</i> , 2013 , 115, 1656-65	3.7	18
34	RNA-binding ability of FUS regulates neurodegeneration, cytoplasmic mislocalization and incorporation into stress granules associated with FUS carrying ALS-linked mutations. <i>Human Molecular Genetics</i> , 2013 , 22, 1193-205	5.6	149
33	Serotonin 5-HT _{2A} receptor activation blocks TNF- α mediated inflammation in vivo. <i>PLoS ONE</i> , 2013 , 8, e75426	3.7	93

32	A triple arg motif mediates α 2B-adrenergic receptor interaction with Sec24C/D and export. <i>Traffic</i> , 2012 , 13, 857-68	5.7	49
31	Insulin-producing cells in the brain of adult <i>Drosophila</i> are regulated by the serotonin 5-HT1A receptor. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 471-84	10.3	84
30	Methods to assay <i>Drosophila</i> behavior. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	129
29	Serotonin Receptors and Neurotransmission 2012 , 83-86		
28	Serotonin 5-HT2A receptor activation potently inhibits TNF- α mediated inflammation in vivo, and blocks the development of asthma. <i>FASEB Journal</i> , 2012 , 26, 1120.1	0.9	
27	A Novel ER Export Motif Modulates the ER-to-Cell Surface Traffic of α 2B-Adrenergic Receptor. <i>FASEB Journal</i> , 2012 , 26, 837.1	0.9	
26	An animal model of schizophrenia based on chronic LSD administration: old idea, new results. <i>Neuropharmacology</i> , 2011 , 61, 503-12	5.5	41
25	Serotonin receptor activity is necessary for olfactory learning and memory in <i>Drosophila melanogaster</i> . <i>Neuroscience</i> , 2011 , 192, 372-81	3.9	48
24	Human disease models in <i>Drosophila melanogaster</i> and the role of the fly in therapeutic drug discovery. <i>Pharmacological Reviews</i> , 2011 , 63, 411-36	22.5	616
23	The serotonin 5-HT7Dro receptor is expressed in the brain of <i>Drosophila</i> , and is essential for normal courtship and mating. <i>PLoS ONE</i> , 2011 , 6, e20800	3.7	70
22	Serotonin 5-HT(2A) Receptor Function as a Contributing Factor to Both Neuropsychiatric and Cardiovascular Diseases. <i>Cardiovascular Psychiatry and Neurology</i> , 2009 , 2009, 475108		26
21	Engineered G-protein Coupled Receptors are Powerful Tools to Investigate Biological Processes and Behaviors. <i>Frontiers in Molecular Neuroscience</i> , 2009 , 2, 16	6.1	48
20	Anterograde trafficking of G protein-coupled receptors: function of the C-terminal F(X)6LL motif in export from the endoplasmic reticulum. <i>Molecular Pharmacology</i> , 2009 , 75, 751-61	4.3	61
19	Serotonin 5-HT(2) and 5-HT(1A)-like receptors differentially modulate aggressive behaviors in <i>Drosophila melanogaster</i> . <i>Neuroscience</i> , 2009 , 158, 1292-300	3.9	99
18	Serotonin 5-HT1A-like, 5-HT2, and 5-HT7 Receptors Modulate Learning and Memory in <i>Drosophila</i> . <i>FASEB Journal</i> , 2009 , 23, 586.11	0.9	1
17	Serotonin 5-HT2A receptor activity mediates adipocyte differentiation. <i>FASEB Journal</i> , 2009 , 23, 941.5	0.9	1
16	Nuclear translocation of p65 NF-kappaB is sufficient for VCAM-1, but not ICAM-1, expression in TNF-stimulated smooth muscle cells: Differential requirement for PARP-1 expression and interaction. <i>Cellular Signalling</i> , 2008 , 20, 186-94	4.9	80
15	Serotonin 5-hydroxytryptamine(2A) receptor activation suppresses tumor necrosis factor-alpha-induced inflammation with extraordinary potency. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 327, 316-23	4.7	111

14	Origins and effects of extracellular alpha-synuclein: implications in Parkinson's disease. <i>Journal of Molecular Neuroscience</i> , 2008 , 34, 17-22	3.3	127
13	Serotonin receptors. <i>Chemical Reviews</i> , 2008 , 108, 1614-41	68.1	597
12	The 5-HT _{2Dro} Serotonin Receptor: Expression in the CNS and Function. <i>FASEB Journal</i> , 2008 , 22, 1125.2-0.9		
11	5-HT ₂ receptors in <i>Drosophila</i> are expressed in the brain and modulate aspects of circadian behaviors. <i>Developmental Neurobiology</i> , 2007 , 67, 752-63	3.2	57
10	Identification of neuroprotective compounds of <i>Caenorhabditis elegans</i> dopaminergic neurons against 6-OHDA. <i>Journal of Molecular Neuroscience</i> , 2007 , 31, 127-37	3.3	36
9	<i>Drosophila melanogaster</i> neurobiology, neuropharmacology, and how the fly can inform central nervous system drug discovery 2006 , 112, 677-700		109
8	Alternative splicing removes an Ets interaction domain from Lozenge during <i>Drosophila</i> eye development. <i>Development Genes and Evolution</i> , 2005 , 215, 423-35	1.8	16
7	Serotonin Receptors and Neurotransmission 2004 , 93-VII		
6	Molecular genetic responses to lysergic acid diethylamide include transcriptional activation of MAP kinase phosphatase-1, C/EBP-beta and ILAD-1, a novel gene with homology to arrestins. <i>Journal of Neurochemistry</i> , 2004 , 90, 576-84	6	40
5	Dynamic changes in prefrontal cortex gene expression following lysergic acid diethylamide administration. <i>Molecular Brain Research</i> , 2003 , 111, 182-8		55
4	A single dose of lysergic acid diethylamide influences gene expression patterns within the mammalian brain. <i>Neuropsychopharmacology</i> , 2002 , 26, 634-42	8.7	88
3	Yan regulates Lozenge during <i>Drosophila</i> eye development. <i>Development Genes and Evolution</i> , 2002 , 212, 267-76	1.8	15
2	Hallucinogens and <i>Drosophila</i> : linking serotonin receptor activation to behavior. <i>Neuroscience</i> , 2002 , 115, 979-84	3.9	31
1	Characterization of a hypermutable strain of <i>Drosophila simulans</i> . <i>Cellular and Molecular Life Sciences</i> , 1998 , 54, 1283-90	10.3	6