

# William C Wetsel

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

3,168  
citations

201674

27  
h-index

168389

53  
g-index

64  
all docs

64  
docs citations

64  
times ranked

5106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mice lacking the norepinephrine transporter are supersensitive to psychostimulants. <i>Nature Neuroscience</i> , 2000, 3, 465-471.	14.8	435
2	A $\hat{\nu}$ -arrestin 2 Signaling Complex Mediates Lithium Action on Behavior. <i>Cell</i> , 2008, 132, 125-136.	28.9	326
3	Discovery of $\hat{\nu}$ -Arrestin-Biased Dopamine D <sub>2</sub> Ligands for Probing Signal Transduction Pathways Essential for Antipsychotic Efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18488-18493.	7.1	312
4	Elucidation of The Behavioral Program and Neuronal Network Encoded by Dorsal Raphe Serotonergic Neurons. <i>Neuropsychopharmacology</i> , 2016, 41, 1404-1415.	5.4	118
5	Distinct cortical and striatal actions of a $\hat{\nu}$ -arrestin-biased dopamine D2 receptor ligand reveal unique antipsychotic-like properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8178-E8186.	7.1	117
6	Dietary fatty acid content regulates wound repair and the pathogenesis of osteoarthritis following joint injury. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 2076-2083.	0.9	115
7	Modulation of neuroinflammation and memory dysfunction using percutaneous vagus nerve stimulation in mice. <i>Brain Stimulation</i> , 2019, 12, 19-29.	1.6	113
8	Disrupted iron homeostasis causes dopaminergic neurodegeneration in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3428-3435.	7.1	109
9	Psychedelic-inspired drug discovery using an engineered biosensor. <i>Cell</i> , 2021, 184, 2779-2792.e18.	28.9	93
10	Relative abundance of <i>Akkermansia</i> spp. and other bacterial phylotypes correlates with anxiety- and depressive-like behavior following social defeat in mice. <i>Scientific Reports</i> , 2019, 9, 3281.	3.3	85
11	<i>ANK2</i> autism mutation targeting giant ankyrin-B promotes axon branching and ectopic connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15262-15271.	7.1	78
12	Disruption of the expression of the proprotein convertase PC7 reduces BDNF production and affects learning and memory in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17362-17367.	7.1	74
13	$\hat{\nu}$ -Arrestin-Biased Allosteric Modulator of NTSR1 Selectively Attenuates Addictive Behaviors. <i>Cell</i> , 2020, 181, 1364-1379.e14.	28.9	74
14	Neurovascular and immune mechanisms that regulate postoperative delirium superimposed on dementia. <i>Alzheimer's and Dementia</i> , 2020, 16, 734-749.	0.8	73
15	Increased Metabotropic Glutamate Receptor 5 Signaling Underlies Obsessive-Compulsive Disorder-like Behavioral and Striatal Circuit Abnormalities in Mice. <i>Biological Psychiatry</i> , 2016, 80, 522-533.	1.3	63
16	Radioprotection of the Brain White Matter by Mn(III) <i>N</i> -Butoxyethylpyridylporphyrin-Based Superoxide Dismutase Mimic MnTnBuOE-2-PyP5+. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 70-79.	4.1	60
17	Effects of $\hat{\nu}$ -Arrestin-Biased Dopamine D2 Receptor Ligands on Schizophrenia-Like Behavior in Hypoglutamatergic Mice. <i>Neuropsychopharmacology</i> , 2016, 41, 704-715.	5.4	59
18	Parvalbumin Interneurons of the Mouse Nucleus Accumbens are Required For Amphetamine-Induced Locomotor Sensitization and Conditioned Place Preference. <i>Neuropsychopharmacology</i> , 2018, 43, 953-963.	5.4	56

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19	Sensing hot and cold with TRP channels. <i>International Journal of Hyperthermia</i> , 2011, 27, 388-398.	2.5	55
20	LSD-stimulated behaviors in mice require $\hat{1}^2$ -arrestin 2 but not $\hat{1}^2$ -arrestin 1. <i>Scientific Reports</i> , 2021, 11, 17690.	3.3	47
21	5-HT <sub>2C</sub> Agonists Modulate Schizophrenia-Like Behaviors in Mice. <i>Neuropsychopharmacology</i> , 2017, 42, 2163-2177.	5.4	42
22	Impaired fear response in mice lacking GIT1. <i>Neuroscience Letters</i> , 2009, 458, 79-83.	2.1	37
23	Loss of Ranbp2 in motor neurons causes the disruption of nucleocytoplasmic and chemokine signaling and proteostasis of hnRNPH3 and Mmp28, and the development of amyotrophic lateral sclerosis (ALS)-like syndromes. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 559-579.	2.4	34
24	ML314: A Biased Neurotensin Receptor Ligand for Methamphetamine Abuse. <i>ACS Chemical Biology</i> , 2016, 11, 1880-1890.	3.4	33
25	Kctd13-deficient mice display short-term memory impairment and sex-dependent genetic interactions. <i>Human Molecular Genetics</i> , 2019, 28, 1474-1486.	2.9	32
26	Orthopedic Surgery Triggers Attention Deficits in a Delirium-Like Mouse Model. <i>Frontiers in Immunology</i> , 2019, 10, 2675.	4.8	31
27	The fornix provides multiple biomarkers to characterize circuit disruption in a mouse model of Alzheimer's disease. <i>NeuroImage</i> , 2016, 142, 498-511.	4.2	30
28	Novel E815K knock-in mouse model of alternating hemiplegia of childhood. <i>Neurobiology of Disease</i> , 2018, 119, 100-112.	4.4	29
29	Autophosphorylation of CaMKK2 generates autonomous activity that is disrupted by a T85S mutation linked to anxiety and bipolar disorder. <i>Scientific Reports</i> , 2015, 5, 14436.	3.3	28
30	In Vitro and In Vivo Characterization of the Alkaloid Nuciferine. <i>PLoS ONE</i> , 2016, 11, e0150602.	2.5	28
31	Further Advances in Optimizing (2-Phenylcyclopropyl)methylamines as Novel Serotonin 2C Agonists: Effects on Hyperlocomotion, Prepulse Inhibition, and Cognition Models. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 578-591.	6.4	26
32	The broad spectrum mixed-lineage kinase 3 inhibitor URMC-099 prevents acute microgliosis and cognitive decline in a mouse model of perioperative neurocognitive disorders. <i>Journal of Neuroinflammation</i> , 2019, 16, 193.	7.2	25
33	Serotonin deficiency alters susceptibility to the long-term consequences of adverse early life experience. <i>Psychoneuroendocrinology</i> , 2015, 53, 69-81.	2.7	24
34	Distinct neuronal populations in the basolateral and central amygdala are activated with acute pain, conditioned fear, and fear-conditioned analgesia. <i>Neuroscience Letters</i> , 2017, 661, 11-17.	2.1	24
35	Anxiety-like behaviors in mice lacking GIT2. <i>Neuroscience Letters</i> , 2009, 451, 156-161.	2.1	22
36	Designing Functionally Selective Noncatechol Dopamine D <sub>1</sub> Receptor Agonists with Potent In Vivo Antiparkinsonian Activity. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4160-4182.	3.5	21

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37	Small ubiquitin-like modifier 2 (SUMO2) is critical for memory processes in mice. <i>FASEB Journal</i> , 2020, 34, 14750-14767.	0.5	20
38	Assessments of Cognitive Deficits in Mutant Mice. <i>Frontiers in Neuroscience</i> , 2006, , 223-282.	0.0	20
39	Hyperthermic effects on behavior. <i>International Journal of Hyperthermia</i> , 2011, 27, 353-373.	2.5	17
40	Neurobehavioral radiation mitigation to standard brain cancer therapy regimens by Mn(III) <i>n</i> -butoxyethylpyridylporphyrin-based redox modifier. <i>Environmental and Molecular Mutagenesis</i> , 2016, 57, 372-381.	2.2	17
41	Pro-GnRH processing. <i>Progress in Brain Research</i> , 2002, 141, 221-241.	1.4	16
42	Multivariate MR biomarkers better predict cognitive dysfunction in mouse models of Alzheimer's disease. <i>Magnetic Resonance Imaging</i> , 2019, 60, 52-67.	1.8	16
43	Comparative evaluation of a new magnetic bead-based DNA extraction method from fecal samples for downstream next-generation 16S rRNA gene sequencing. <i>PLoS ONE</i> , 2018, 13, e0202858.	2.5	15
44	D <sub>2</sub> Dopamine Receptor G Protein-Biased Partial Agonists Based on Cariprazine. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4755-4771.	6.4	15
45	ProSAAS-derived peptides are regulated by cocaine and are required for sensitization to the locomotor effects of cocaine. <i>Journal of Neurochemistry</i> , 2017, 143, 268-281.	3.9	13
46	PCM1 is necessary for focal ciliary integrity and is a candidate for severe schizophrenia. <i>Nature Communications</i> , 2020, 11, 5903.	12.8	13
47	Mouse model of rare TOR1A variant found in sporadic focal dystonia impairs domains affected in DYT1 dystonia patients and animal models. <i>Neurobiology of Disease</i> , 2016, 93, 137-145.	4.4	12
48	Opposing effects of traumatic brain injury on excitatory synaptic function in the lateral amygdala in the absence and presence of preinjury stress. <i>Journal of Neuroscience Research</i> , 2016, 94, 579-589.	2.9	10
49	Preclinical toxicity evaluation of a novel immunotoxin, D2C7-(scdsFv)-PE38KDEL, administered via intracerebral convection-enhanced delivery in rats. <i>Investigational New Drugs</i> , 2016, 34, 149-158.	2.6	10
50	GIT1 regulates synaptic structural plasticity underlying learning. <i>PLoS ONE</i> , 2018, 13, e0194350.	2.5	10
51	Neuropeptidomic Analysis of a Genetically Defined Cell Type in Mouse Brain and Pituitary. <i>Cell Chemical Biology</i> , 2021, 28, 105-112.e4.	5.2	9
52	Postsynaptic Mechanisms Render Syn I/II/III Mice Highly Responsive to Psychostimulants. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 453-465.	2.1	6
53	Discovery of a functionally selective ghrelin receptor (GHSR <sub>1a</sub> ) ligand for modulating brain dopamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112397119.	7.1	4
54	Genetic deletion of <i>Rgs12</i> in mice affects serotonin transporter expression and function <i>in vivo</i> and <i>ex vivo</i> . <i>Journal of Psychopharmacology</i> , 2020, 34, 1393-1407.	4.0	2

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55	Reproduction and Growth in a Murine Model of Early Life-Onset Inflammatory Bowel Disease. PLoS ONE, 2016, 11, e0152764.	2.5	1
56	Regulation of sensorimotor gating via Disc1/Huntingtin-mediated Bdnf transport in the cortico-striatal circuit. Molecular Psychiatry, 2022, , .	7.9	1
57	Optimization of ML321: a D <sub>2</sub> dopamine receptor-selective antagonist for the treatment of neuropsychiatric disorders. FASEB Journal, 2021, 35, .	0.5	0
58	Characterization and Chemical Optimization of the D2 Dopamine Receptor-selective Antagonist, ML321, Identifies Lead Compounds for the Clinical Treatment of Neuropsychiatric Disorders. FASEB Journal, 2022, 36, .	0.5	0