William C Wetsel

List of Publications by Year
in descending order

58	3,168	201674	168389
papers	citations	27 h-index	53 g-index

64	64	64	5106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulation of sensorimotor gating via Disc1/Huntingtin-mediated Bdnf transport in the cortico-striatal circuit. Molecular Psychiatry, 2022, , .	7.9	1
2	Discovery of a functionally selective ghrelin receptor (GHSR _{1a}) ligand for modulating brain dopamine. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112397119.	7.1	4
3	Characterization and Chemical Optimization of the D2 Dopamine Receptorâ€Selective Antagonist, ML321, Identifies Lead Compounds for the Clinical Treatment of Neuropsychiatric Disorders. FASEB Journal, 2022, 36, .	0.5	0
4	Neuropeptidomic Analysis of a Genetically Defined Cell Type in Mouse Brain and Pituitary. Cell Chemical Biology, 2021, 28, 105-112.e4.	5.2	9
5	Optimization of ML321: a D ₂ dopamine receptorâ€selective antagonist for the treatment of neuropsychiatric disorders. FASEB Journal, 2021, 35, .	0.5	0
6	Psychedelic-inspired drug discovery using an engineered biosensor. Cell, 2021, 184, 2779-2792.e18.	28.9	93
7	LSD-stimulated behaviors in mice require Î²-arrestin 2 but not Î²-arrestin 1. Scientific Reports, 2021, 11, 17690.	3.3	47
8	PCM1 is necessary for focal ciliary integrity and is a candidate for severe schizophrenia. Nature Communications, 2020, 11, 5903.	12.8	13
9	Small ubiquitinâ€like modifier 2 (SUMO2) is critical for memory processes in mice. FASEB Journal, 2020, 34, 14750-14767.	0.5	20
10	Genetic deletion ofRgs12in mice affects serotonin transporter expression and functionin vivoandex vivo. Journal of Psychopharmacology, 2020, 34, 1393-1407.	4.0	2
11	Î²-Arrestin-Biased Allosteric Modulator of NTSR1 Selectively Attenuates Addictive Behaviors. Cell, 2020, 181, 1364-1379.e14.	28.9	74
12	Neurovascular and immune mechanisms that regulate postoperative delirium superimposed on dementia. Alzheimer's and Dementia, 2020, 16, 734-749.	0.8	73
13	Designing Functionally Selective Noncatechol Dopamine D₁ Receptor Agonists with Potent In Vivo Antiparkinsonian Activity. ACS Chemical Neuroscience, 2019, 10, 4160-4182.	3.5	21
14	Postsynaptic Mechanisms Render Syn I/II/III Mice Highly Responsive to Psychostimulants. International Journal of Neuropsychopharmacology, 2019, 22, 453-465.	2.1	6
15	ANK2 autism mutation targeting giant ankyrin-B promotes axon branching and ectopic connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15262-15271.	7.1	78
16	The broad spectrum mixed-lineage kinase 3 inhibitor URMC-099 prevents acute microgliosis and cognitive decline in a mouse model of perioperative neurocognitive disorders. Journal of Neuroinflammation, 2019, 16, 193.	7.2	25
17	Relative abundance of Akkermansia spp. and other bacterial phylotypes correlates with anxiety- and depressive-like behavior following social defeat in mice. Scientific Reports, 2019, 9, 3281.	3.3	85
18	D₂ Dopamine Receptor G Protein-Biased Partial Agonists Based on Cariprazine. Journal of Medicinal Chemistry, 2019, 62, 4755-4771.	6.4	15

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19	Multivariate MR biomarkers better predict cognitive dysfunction in mouse models of Alzheimer's disease. Magnetic Resonance Imaging, 2019, 60, 52-67.	1.8	16
20	Orthopedic Surgery Triggers Attention Deficits in a Delirium-Like Mouse Model. Frontiers in Immunology, 2019, 10, 2675.	4.8	31
21	Kctd13-deficient mice display short-term memory impairment and sex-dependent genetic interactions. Human Molecular Genetics, 2019, 28, 1474-1486.	2.9	32
22	Modulation of neuroinflammation and memory dysfunction using percutaneous vagus nerve stimulation in mice. Brain Stimulation, 2019, 12, 19-29.	1.6	113
23	Parvalbumin Interneurons of the Mouse Nucleus Accumbens are Required For Amphetamine-Induced Locomotor Sensitization and Conditioned Place Preference. Neuropsychopharmacology, 2018, 43, 953-963.	5.4	56
24	Novel E815K knock-in mouse model of alternating hemiplegia of childhood. Neurobiology of Disease, 2018, 119, 100-112.	4.4	29
25	Comparative evaluation of a new magnetic bead-based DNA extraction method from fecal samples for downstream next-generation 16S rRNA gene sequencing. PLoS ONE, 2018, 13, e0202858.	2.5	15
26	GIT1 regulates synaptic structural plasticity underlying learning. PLoS ONE, 2018, 13, e0194350.	2.5	10
27	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. DMM Disease Models and Mechanisms, 2017, 10, 559-579.	2.4	34
28	5-HT2C Agonists Modulate Schizophrenia-Like Behaviors in Mice. Neuropsychopharmacology, 2017, 42, 2163-2177.	5.4	42
29	Distinct neuronal populations in the basolateral and central amygdala are activated with acute pain, conditioned fear, and fear-conditioned analgesia. Neuroscience Letters, 2017, 661, 11-17.	2.1	24
30	Pro<scp>SAAS</scp>â€derived peptides are regulated by cocaine and are required for sensitization to the locomotor effects of cocaine. Journal of Neurochemistry, 2017, 143, 268-281.	3.9	13
31	In Vitro and In Vivo Characterization of the Alkaloid Nuciferine. PLoS ONE, 2016, 11, e0150602.	2.5	28
32	Distinct cortical and striatal actions of a Î²-arrestinâ€“biased dopamine D2 receptor ligand reveal unique antipsychotic-like properties. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8178-E8186.	7.1	117
33	Disrupted iron homeostasis causes dopaminergic neurodegeneration in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3428-3435.	7.1	109
34	Mouse model of rare TOR1A variant found in sporadic focal dystonia impairs domains affected in DYT1 dystonia patients and animal models. Neurobiology of Disease, 2016, 93, 137-145.	4.4	12
35	ML314: A Biased Neurotensin Receptor Ligand for Methamphetamine Abuse. ACS Chemical Biology, 2016, 11, 1880-1890.	3.4	33
36	Neurobehavioral radiation mitigation to standard brain cancer therapy regimens by Mn(III) nâ€butoxyethylpyridylporphyrinâ€based redox modifier. Environmental and Molecular Mutagenesis, 2016, 57, 372-381.	2.2	17

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37	Opposing effects of traumatic brain injury on excitatory synaptic function in the lateral amygdala in the absence and presence of preinjury stress. Journal of Neuroscience Research, 2016, 94, 579-589.	2.9	10
38	The fornix provides multiple biomarkers to characterize circuit disruption in a mouse model of Alzheimer's disease. NeuroImage, 2016, 142, 498-511.	4.2	30
39	Increased Metabotropic Glutamate Receptor 5 Signaling Underlies Obsessive-Compulsive Disorder-like Behavioral and Striatal Circuit Abnormalities in Mice. Biological Psychiatry, 2016, 80, 522-533.	1.3	63
40	Preclinical toxicity evaluation of a novel immunotoxin, D2C7-(scdsFv)-PE38KDEL, administered via intracerebral convection-enhanced delivery in rats. Investigational New Drugs, 2016, 34, 149-158.	2.6	10
41	Further Advances in Optimizing (2-Phenylcyclopropyl)methylamines as Novel Serotonin 2C Agonists: Effects on Hyperlocomotion, Prepulse Inhibition, and Cognition Models. Journal of Medicinal Chemistry, 2016, 59, 578-591.	6.4	26
42	Elucidation of The Behavioral Program and Neuronal Network Encoded by Dorsal Raphe Serotonergic Neurons. Neuropsychopharmacology, 2016, 41, 1404-1415.	5.4	118
43	Effects of Î²-Arrestin-Biased Dopamine D2 Receptor Ligands on Schizophrenia-Like Behavior in Hypoglutamatergic Mice. Neuropsychopharmacology, 2016, 41, 704-715.	5.4	59
44	Reproduction and Growth in a Murine Model of Early Life-Onset Inflammatory Bowel Disease. PLoS ONE, 2016, 11, e0152764.	2.5	1
45	Autophosphorylation of CaMKK2 generates autonomous activity that is disrupted by a T85S mutation linked to anxiety and bipolar disorder. Scientific Reports, 2015, 5, 14436.	3.3	28
46	Radioprotection of the Brain White Matter by Mn(III) N-Butoxyethylpyridylporphyrinâ€“Based Superoxide Dismutase Mimic MnTnBuOE-2-PyP5+. Molecular Cancer Therapeutics, 2015, 14, 70-79.	4.1	60
47	Serotonin deficiency alters susceptibility to the long-term consequences of adverse early life experience. Psychoneuroendocrinology, 2015, 53, 69-81.	2.7	24
48	Dietary fatty acid content regulates wound repair and the pathogenesis of osteoarthritis following joint injury. Annals of the Rheumatic Diseases, 2015, 74, 2076-2083.	0.9	115
49	Disruption of the expression of the proprotein convertase PC7 reduces BDNF production and affects learning and memory in mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17362-17367.	7.1	74
50	Sensing hot and cold with TRP channels. International Journal of Hyperthermia, 2011, 27, 388-398.	2.5	55
51	Discovery of Î²-Arrestinâ€“Biased Dopamine D ₂ Ligands for Probing Signal Transduction Pathways Essential for Antipsychotic Efficacy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18488-18493.	7.1	312
52	Hyperthermic effects on behavior. International Journal of Hyperthermia, 2011, 27, 353-373.	2.5	17
53	Anxiety-like behaviors in mice lacking GIT2. Neuroscience Letters, 2009, 451, 156-161.	2.1	22
54	Impaired fear response in mice lacking GIT1. Neuroscience Letters, 2009, 458, 79-83.	2.1	37

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55	A Î²-arrestin 2 Signaling Complex Mediates Lithium Action on Behavior. Cell, 2008, 132, 125-136.	28.9	326
56	Assessments of Cognitive Deficits in Mutant Mice. Frontiers in Neuroscience, 2006, , 223-282.	0.0	20
57	Pro-GnRH processing. Progress in Brain Research, 2002, 141, 221-241.	1.4	16
58	Mice lacking the norepinephrine transporter are supersensitive to psychostimulants. Nature Neuroscience, 2000, 3, 465-471.	14.8	435