

Gavin S. Dawe

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.

96
papers

3,026
citations

29
h-index

52
g-index

99
ext. papers

3,384
ext. citations

5.4
avg, IF

4.9
L-index

#	Paper	IF	Citations
96	Test, Rinse, Repeat: A Review of Carryover Effects in Rodent Behavioral Assays.. <i>Neuroscience and Biobehavioral Reviews</i> , 2022 , 135, 104560	9	0
95	Shared signaling pathways in Alzheimer's and metabolic disease may point to new treatment approaches. <i>FEBS Journal</i> , 2021 , 288, 3855-3873	5.7	9
94	The putative role of the relaxin-3/RXFP3 system in clinical depression and anxiety: A systematic literature review. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 131, 429-450	9	0
93	A Flexi-PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. <i>Advanced Materials</i> , 2020 , 32, e2001459	24	25
92	Photodynamic Therapy: A Flexi-PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy (Adv. Mater. 29/2020). <i>Advanced Materials</i> , 2020 , 32, 2070219	24	
91	Ultracompact Multielectrode Array for Neurological Monitoring. <i>Sensors</i> , 2019 , 19,	3.8	4
90	Effects of haloperidol on cognitive function and behavioural flexibility in the IntelliCage social home cage environment. <i>Behavioural Brain Research</i> , 2019 , 371, 111976	3.4	5
89	Intranasal administration of a stapled relaxin-3 mimetic has anxiolytic- and antidepressant-like activity in rats. <i>British Journal of Pharmacology</i> , 2019 , 176, 3899-3923	8.6	9
88	(R)-fluoxetine enhances cognitive flexibility and hippocampal cell proliferation in mice. <i>Journal of Psychopharmacology</i> , 2018 , 32, 441-457	4.6	15
87	OBscure but not OBsolete: Perturbations of the frontal cortex in common between rodent olfactory bulbectomy model and major depression. <i>Journal of Chemical Neuroanatomy</i> , 2018 , 91, 63-100	3.2	9
86	APP upregulation contributes to retinal ganglion cell degeneration via JNK3. <i>Cell Death and Differentiation</i> , 2018 , 25, 663-678	12.7	15
85	Distribution of Alox15 in the Rat Brain and Its Role in Prefrontal Cortical Resolvin D1 Formation and Spatial Working Memory. <i>Molecular Neurobiology</i> , 2018 , 55, 1537-1550	6.2	18
84	Ginsenoside Rg1 modulates medial prefrontal cortical firing and suppresses the hippocampo-medial prefrontal cortical long-term potentiation. <i>Journal of Ginseng Research</i> , 2018 , 42, 298-303	5.8	9
83	Social defeat-induced Cingulate gyrus immediate-early gene expression and anxiolytic-like effect depend upon social rank. <i>Brain Research Bulletin</i> , 2018 , 143, 97-105	3.9	3
82	Activation of beta- and alpha-2-adrenoceptors in the basolateral amygdala has opposing effects on hippocampal-prefrontal long-term potentiation. <i>Neurobiology of Learning and Memory</i> , 2017 , 137, 163-170	3.1	12
81	Relaxin in the brain: a case for targeting the nucleus incertus network and relaxin-3/RXFP3 system in neuropsychiatric disorders. <i>British Journal of Pharmacology</i> , 2017 , 174, 1061-1076	8.6	30
80	Priming locus coeruleus noradrenergic modulation of medial perforant path-dentate gyrus synaptic plasticity. <i>Neurobiology of Learning and Memory</i> , 2017 , 138, 215-225	3.1	3

79	Hydrocarbon stapled B chain analogues of relaxin-3 retain biological activity. <i>Peptides</i> , 2016 , 84, 44-57	3.8	13
78	Electrical microstimulation of the nucleus incertus induces forward locomotion and rotation in rats. <i>Physiology and Behavior</i> , 2016 , 160, 50-8	3.5	12
77	Efficient derivation of dopaminergic neurons from SOX1? floor plate cells under defined culture conditions. <i>Journal of Biomedical Science</i> , 2016 , 23, 34	13.3	6
76	Stress activates the nucleus incertus and modulates plasticity in the hippocampo-medial prefrontal cortical pathway. <i>Brain Research Bulletin</i> , 2016 , 120, 83-9	3.9	15
75	Altered relaxin family receptors RXFP1 and RXFP3 in the neocortex of depressed Alzheimer's disease patients. <i>Psychopharmacology</i> , 2016 , 233, 591-8	4.7	6
74	Amyloid precursor protein modulates Nav1.6 sodium channel currents through a G α -coupled JNK pathway. <i>Scientific Reports</i> , 2016 , 6, 39320	4.9	9
73	Nucleus incertus contributes to an anxiogenic effect of buspirone in rats: Involvement of 5-HT1A receptors. <i>Neuropharmacology</i> , 2016 , 110, 1-14	5.5	18
72	Ketamine and suicidal ideation in depression: Jumping the gun?. <i>Pharmacological Research</i> , 2015 , 99, 23-35	10.2	30
71	Mechanisms of Action and Persistent Neuroplasticity by Drugs of Abuse. <i>Pharmacological Reviews</i> , 2015 , 67, 872-1004	22.5	93
70	Amyloid precursor protein enhances Nav1.6 sodium channel cell surface expression. <i>Journal of Biological Chemistry</i> , 2015 , 290, 12048-57	5.4	20
69	Evidence of D2 receptor expression in the nucleus incertus of the rat. <i>Physiology and Behavior</i> , 2015 , 151, 525-34	3.5	12
68	Expression and localisation of brain-type organic cation transporter (BOCT/24p3R/LCN2R) in the normal rat hippocampus and after kainate-induced excitotoxicity. <i>Neurochemistry International</i> , 2015 , 87, 43-59	4.4	17
67	APP intracellular domain acts as a transcriptional regulator of miR-663 suppressing neuronal differentiation. <i>Cell Death and Disease</i> , 2015 , 6, e1651	9.8	26
66	Wireless sensor microsystems for emerging biomedical applications (Invited) 2015 ,		1
65	Metabolic profiling of CHO-APP695 cells revealed mitochondrial dysfunction prior to amyloid- β pathology and potential therapeutic effects of both PPAR α and PPAR γ agonists for Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 44, 215-31	4.3	23
64	NogoR1 and PirB signaling stimulates neural stem cell survival and proliferation. <i>Stem Cells</i> , 2014 , 32, 1636-48	5.8	12
63	Role of constitutive calcium-independent phospholipase A2 beta in hippocampo-prefrontal cortical long term potentiation and spatial working memory. <i>Neurochemistry International</i> , 2014 , 78, 96-104	4.4	8
62	A role for sorting nexin 27 in AMPA receptor trafficking. <i>Nature Communications</i> , 2014 , 5, 3176	17.4	77

61	Amyloid precursor protein at node of Ranvier modulates nodal formation. <i>Cell Adhesion and Migration</i> , 2014 , 8, 396-403	3.2	22
60	Altered exploration and sensorimotor gating of the chakragati mouse model of schizophrenia. <i>Behavioral Neuroscience</i> , 2014 , 128, 460-7	2.1	6
59	A digitally assisted, signal folding neural recording amplifier. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014 , 8, 528-42	5.1	27
58	Selective lesioning of nucleus incertus with corticotropin releasing factor-saporin conjugate. <i>Brain Research</i> , 2014 , 1543, 179-90	3.7	17
57	Nicotine and clozapine cross-prime the locus coeruleus noradrenergic system to induce long-lasting potentiation in the rat hippocampus. <i>Hippocampus</i> , 2013 , 23, 616-24	3.5	8
56	A 0.45 V 100-channel neural-recording IC with sub- μ W/channel consumption in 0.18 μ m CMOS. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2013 , 7, 735-46	5.1	77
55	Slow excitotoxicity in Alzheimer's disease. <i>Journal of Alzheimers Disease</i> , 2013 , 35, 643-68	4.3	69
54	Specific inhibition of p25/Cdk5 activity by the Cdk5 inhibitory peptide reduces neurodegeneration in vivo. <i>Journal of Neuroscience</i> , 2013 , 33, 334-43	6.6	63
53	Acute antipsychotic treatments induce distinct c-Fos expression patterns in appetite-related neuronal structures of the rat brain. <i>Brain Research</i> , 2013 , 1508, 34-43	3.7	17
52	A 100-Channel 1-mW Implantable Neural Recording IC. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 2584-2596	3.9	82
51	A 0.45V 100-channel neural-recording IC with sub- μ W/channel consumption in 0.18 μ m CMOS 2013 ,		3
50	Corticotropin-releasing factor infusion into nucleus incertus suppresses medial prefrontal cortical activity and hippocampo-medial prefrontal cortical long-term potentiation. <i>European Journal of Neuroscience</i> , 2013 , 38, 2516-25	3.5	24
49	Therapeutic effect of hydrogen sulfide-releasing L-Dopa derivative ACS84 on 6-OHDA-induced Parkinson's disease rat model. <i>PLoS ONE</i> , 2013 , 8, e60200	3.7	43
48	800 nW 43 nV/[radical]Hz neural recording amplifier with enhanced noise efficiency factor. <i>Electronics Letters</i> , 2012 , 48, 479	1.1	38
47	Wip1 phosphatase positively modulates dendritic spine morphology and memory processes through the p38MAPK signaling pathway. <i>Cell Adhesion and Migration</i> , 2012 , 6, 333-43	3.2	14
46	100-Channel wireless neural recording system with 54-Mb/s data link and 40%-efficiency power link 2012 ,		12
45	Expression and localization of the iron-siderophore binding protein lipocalin 2 in the normal rat brain and after kainate-induced excitotoxicity. <i>Neurochemistry International</i> , 2011 , 59, 591-9	4.4	42
44	Progesterone impairs human ether-a-go-go-related gene (HERG) trafficking by disruption of intracellular cholesterol homeostasis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 22186-94	5.4	30

43	Neuroprotective effects of hydrogen sulfide on Parkinson's disease rat models. <i>Aging Cell</i> , 2010 , 9, 135-46	4.6	268
42	Pregnancy-associated progenitor cells differentiate and mature into neurons in the maternal brain. <i>Stem Cells and Development</i> , 2010 , 19, 1819-30	4.4	58
41	Locus coeruleus stimulation and noradrenergic modulation of hippocampo-prefrontal cortex long-term potentiation. <i>International Journal of Neuropsychopharmacology</i> , 2010 , 13, 1219-31	5.8	29
40	Antipsychotic drugs dose-dependently suppress the spontaneous hyperactivity of the chakragati mouse. <i>Neuroscience</i> , 2010 , 171, 162-72	3.9	10
39	P.3.d.010 Antipsychotic drugs induce dopamine type 2 receptor mediated suppression of neuronal firing in the rat nucleus incertus. <i>European Neuropsychopharmacology</i> , 2010 , 20, S502-S503	1.2	
38	Effect of voluntary running on adult hippocampal neurogenesis in cholinergic lesioned mice. <i>BMC Neuroscience</i> , 2009 , 10, 57	3.2	24
37	Cell surface sialylation and fucosylation are regulated by the cell recognition molecule L1 via PLCgamma and cooperate to modulate embryonic stem cell survival and proliferation. <i>FEBS Letters</i> , 2009 , 583, 703-10	3.8	13
36	Microgel iron oxide nanoparticles for tracking human fetal mesenchymal stem cells through magnetic resonance imaging. <i>Stem Cells</i> , 2009 , 27, 1921-31	5.8	64
35	Role of phospholipase A(2) in prepulse inhibition of the auditory startle reflex in rats. <i>Neuroscience Letters</i> , 2009 , 453, 6-8	3.3	6
34	Effective Cryopreservation of Neural Stem or Progenitor Cells without Serum or Proteins by Vitrification. <i>Cell Transplantation</i> , 2009 , 18, 135-144	4	24
33	Pathophysiology and animal models of schizophrenia. <i>Annals of the Academy of Medicine, Singapore</i> , 2009 , 38, 425-6	2.8	10
32	A TAG1-APP signalling pathway through Fe65 negatively modulates neurogenesis. <i>Nature Cell Biology</i> , 2008 , 10, 283-94	23.4	155
31	The chakragati mouse shows deficits in prepulse inhibition of acoustic startle and latent inhibition. <i>Neuroscience Research</i> , 2008 , 60, 281-8	2.9	9
30	Hydrogen sulphide in the hypothalamus causes an ATP-sensitive K+ channel-dependent decrease in blood pressure in freely moving rats. <i>Neuroscience</i> , 2008 , 152, 169-77	3.9	81
29	A TAG on to the neurogenic functions of APP. <i>Cell Adhesion and Migration</i> , 2008 , 2, 2-8	3.2	13
28	Cell surface sialylation and fucosylation are regulated by L1 via phospholipase Cgamma and cooperate to modulate neurite outgrowth, cell survival and migration. <i>PLoS ONE</i> , 2008 , 3, e3841	3.7	18
27	Morphological and functional characterization of predifferentiation of myelinating glia-like cells from human bone marrow stromal cells through activation of F3/Notch signaling in mouse retina. <i>Stem Cells</i> , 2008 , 26, 580-90	5.8	48
26	The chakragati mouse: a mouse model for rapid in vivo screening of antipsychotic drug candidates. <i>Biotechnology Journal</i> , 2007 , 2, 1344-52	5.6	13

25	Propranolol blocks chronic risperidone treatment-induced enhancement of spatial working memory performance of rats in a delayed matching-to-place water maze task. <i>Psychopharmacology</i> , 2007 , 191, 297-310	4.7	11
24	Theta driving both inhibits and potentiates the effects of nicotine on dentate gyrus responses. <i>Neuroscience and Behavioral Physiology</i> , 2007 , 37, 403-9	0.3	6
23	Cell Migration from Baby to Mother. <i>Cell Adhesion and Migration</i> , 2007 , 1, 19-27	3.2	47
22	Physiological roles of neurite outgrowth inhibitors in myelinated axons of the central nervous system--implications for the therapeutic neutralization of neurite outgrowth inhibitors. <i>Current Pharmaceutical Design</i> , 2007 , 13, 2529-37	3.3	9
21	Chronic high-dose haloperidol has qualitatively similar effects to risperidone and clozapine on immediate-early gene and tyrosine hydroxylase expression in the rat locus coeruleus but not medial prefrontal cortex. <i>Neuroscience Research</i> , 2007 , 57, 17-28	2.9	29
20	Cell migration from baby to mother. <i>Cell Adhesion and Migration</i> , 2007 , 1, 19-27	3.2	27
19	Alterations in spatial learning and memory after forced exercise. <i>Brain Research</i> , 2006 , 1113, 186-93	3.7	113
18	Hydrogen sulphide regulates calcium homeostasis in microglial cells. <i>Glia</i> , 2006 , 54, 116-24	9	128
17	Ensheathing the Node of Ranvier?. <i>Neuron Glia Biology</i> , 2006 , 2, 149-150		1
16	Effects of short-term and chronic olanzapine treatment on immediate early gene protein and tyrosine hydroxylase immunoreactivity in the rat locus coeruleus and medial prefrontal cortex. <i>Neuroscience</i> , 2006 , 143, 573-85	3.9	20
15	Fetal microchimerism in the maternal mouse brain: a novel population of fetal progenitor or stem cells able to cross the blood-brain barrier?. <i>Stem Cells</i> , 2005 , 23, 1443-52	5.8	121
14	NB-3/Notch1 pathway via Deltex1 promotes neural progenitor cell differentiation into oligodendrocytes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 25858-65	5.4	105
13	Endogenous dopamine modulates corticopallidal influences via GABA. <i>Neuroscience and Behavioral Physiology</i> , 2003 , 33, 839-44	0.3	4
12	Inhibitors of the tyrosine kinase signaling cascade attenuated thrombin-induced guinea pig airway smooth muscle cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 72-8	3.4	22
11	Central noradrenergic blockade prevents autotomy in rat: implication for pharmacological prevention of postdenervation pain syndrome. <i>Brain Research Bulletin</i> , 2002 , 57, 581-6	3.9	17
10	Changes in sensitivity of cholinceptors and adrenoceptors during transhemispheric cortical reorganisation in rat SmI. <i>Brain Research</i> , 2001 , 888, 267-274	3.7	8
9	Olanzapine activates the rat locus coeruleus: in vivo electrophysiology and c-Fos immunoreactivity. <i>Biological Psychiatry</i> , 2001 , 50, 510-20	7.9	62
8	Changes in neurite outgrowth but not in cell division induced by low EMF exposure: influence of field strength and culture conditions on responses in rat PC12 pheochromocytoma cells. <i>Bioelectrochemistry</i> , 2000 , 52, 23-8	5.6	35

7	Aboulia: neurobehavioural dysfunction of dopaminergic system?. <i>Medical Hypotheses</i> , 2000 , 54, 523-30	3.8	13
6	Lesions of the nucleus basalis magnocellularis do not alter the proportions of pirenzepine- and gallamine-sensitive responses of somatosensory cortical neurones to acetylcholine in the rat. <i>Brain Research</i> , 1998 , 782, 324-8	3.7	1
5	Nicotine induces long-lasting potentiation in the dentate gyrus of nicotine-primed rats. <i>Neuroscience Research</i> , 1997 , 29, 81-5	2.9	46
4	Cholinergic facilitation and inhibition of long-term potentiation of CA1 in the urethane-anaesthetized rats. <i>Brain Research</i> , 1997 , 754, 95-102	3.7	22
3	Changes in paired-pulse facilitation correlate with induction of long-term potentiation in area CA1 of rat hippocampal slices. <i>Neuroscience</i> , 1997 , 76, 829-43	3.9	56
2	Extracellular recordings in the colchicine-lesioned rat dentate gyrus following transplants of fetal dentate gyrus and CA1 hippocampal subfield tissue. <i>Brain Research</i> , 1993 , 625, 63-74	3.7	104
1	Cell Migration from Baby to Mother		17