

Rodney A Swain

List of Publications by Year in descending order

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38
papers

3,158
citations

304743

22
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

3510
citing authors

#	ARTICLE	IF	CITATIONS
1	Motor learning rapidly increases synaptogenesis and astrocytic structural plasticity in the rat cerebellum. <i>Neurobiology of Learning and Memory</i> , 2021, 177, 107339.	1.9	9
2	Wheel running for 26 weeks is associated with sustained vascular plasticity in the rat motor cortex. <i>Behavioural Brain Research</i> , 2020, 380, 112447.	2.2	3
3	Aerobic exercise increases sprouting angiogenesis in the male rat motor cortex. <i>Brain Structure and Function</i> , 2020, 225, 2301-2314.	2.3	6
4	Exercise pattern and distance differentially affect hippocampal and cerebellar expression of FLK-1 and FLT-1 receptors in astrocytes and blood vessels. <i>Behavioural Brain Research</i> , 2018, 337, 8-16.	2.2	10
5	Inactivation of the cerebellar fastigial nuclei alters social behavior in the rat.. <i>Behavioral Neuroscience</i> , 2018, 132, 552-560.	1.2	5
6	Astrocytes and radial glia-like cells, but not neurons, display a nonapoptotic increase in caspase-3 expression following exercise. <i>Brain and Behavior</i> , 2018, 8, e01110.	2.2	12
7	Cerebellar dentate nuclei lesions alter prefrontal cortex dendritic spine morphology. <i>Brain Research</i> , 2014, 1544, 15-24.	2.2	2
8	Examining Cerebral Angiogenesis in Response to Physical Exercise. <i>Methods in Molecular Biology</i> , 2014, 1135, 139-154.	0.9	6
9	Behavior modification after inactivation of cerebellar dentate nuclei.. <i>Behavioral Neuroscience</i> , 2012, 126, 551-562.	1.2	16
10	On Aerobic Exercise and Behavioral and Neural Plasticity. <i>Brain Sciences</i> , 2012, 2, 709-744.	2.3	38
11	Cerebellar dentate nuclei lesions reduce motivation in appetitive operant conditioning and open field exploration. <i>Neurobiology of Learning and Memory</i> , 2011, 95, 166-175.	1.9	34
12	The Cerebellum: A Neural System for the Study of Reinforcement Learning. <i>Frontiers in Behavioral Neuroscience</i> , 2011, 5, 8.	2.0	32
13	Rapid cellular genesis and apoptosis: Effects of exercise in the adult rat.. <i>Behavioral Neuroscience</i> , 2011, 125, 1-9.	1.2	23
14	Introgression of Brown Norway Chromosome 13 Improves Visual Spatial Memory in the Dahl S Rat. <i>Behavior Genetics</i> , 2010, 40, 76-84.	2.1	2
15	Angiogenesis but not neurogenesis is critical for normal learning and memory acquisition. <i>Neuroscience</i> , 2010, 171, 214-226.	2.3	82
16	Conjugated Linoleic Acid (CLA) inhibits new vessel growth in the mammalian brain. <i>Brain Research</i> , 2008, 1213, 35-40.	2.2	33
17	Effects of Exercise on Pavlovian Fear Conditioning.. <i>Behavioral Neuroscience</i> , 2004, 118, 1123-1127.	1.2	72
18	Prolonged exercise induces angiogenesis and increases cerebral blood volume in primary motor cortex of the rat. <i>Neuroscience</i> , 2003, 117, 1037-1046.	2.3	534

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19	Pretraining enhances recovery from visuospatial deficit following cerebellar dentate nucleus lesion.. Behavioral Neuroscience, 2003, 117, 785-798.	1.2	21
20	Acetaminophen as a postsurgical analgesic in rats: a practical solution to neophobia. Contemporary Topics in Laboratory Animal Science, 2003, 42, 20-5.	0.2	10
21	Exercise, experience and the aging brain1. Neurobiology of Aging, 2002, 23, 941-955.	3.1	442
22	Dendritic spine and dendritic field characteristics of layer V pyramidal neurons in the visual cortex of fragile-X knockout mice. American Journal of Medical Genetics Part A, 2002, 111, 140-146.	2.4	240
23	Localization of protein Ser/Thr phosphatase 5 in rat brain. Molecular Brain Research, 2001, 90, 101-109.	2.3	36
24	Abnormal dendritic spine characteristics in the temporal and visual cortices of patients with fragile-X syndrome: A quantitative examination. American Journal of Medical Genetics Part A, 2001, 98, 161-167.	2.4	671
25	Abnormal dendritic spine characteristics in the temporal and visual cortices of patients with fragile-X syndrome: A quantitative examination. , 2001, 98, 161.		3
26	Evidence for Altered Fragile-X Mental Retardation Protein Expression in Response to Behavioral Stimulation. Neurobiology of Learning and Memory, 2000, 73, 87-93.	1.9	73
27	Intracerebellar conditioning " Brogden and Gantt revisited. Behavioural Brain Research, 2000, 110, 3-11.	2.2	24
28	Essential Neuronal Pathways for Reflex and Conditioned Response Initiation in an Intracerebellar Stimulation Paradigm and the Impact of Unconditioned Stimulus Preexposure on Learning Rate. Neurobiology of Learning and Memory, 1999, 71, 167-193.	1.9	13
29	Therapeutic effects of complex motor training on motor performance deficits induced by neonatal binge-like alcohol exposure in rats. Brain Research, 1998, 800, 48-61.	2.2	125
30	Selective Synaptic Plasticity within the Cerebellar Cortex Following Complex Motor Skill Learning. Neurobiology of Learning and Memory, 1998, 69, 274-289.	1.9	181
31	Learning-Dependent Dendritic Hypertrophy of Cerebellar Stellate Cells: Plasticity of Local Circuit Neurons. Neurobiology of Learning and Memory, 1997, 67, 29-33.	1.9	67
32	Classical conditioning with electrical stimulation of cerebellum as both conditioned and unconditioned stimulus.. Behavioral Neuroscience, 1996, 110, 914-921.	1.2	31
33	Parallel augmentation of hippocampal long-term potentiation, theta rhythm, and contextual fear conditioning in water-deprived rats.. Behavioral Neuroscience, 1994, 108, 44-56.	1.2	97
34	Parallel augmentation of hippocampal long-term potentiation, theta rhythm, and contextual fear conditioning in water-deprived rats.. Behavioral Neuroscience, 1994, 108, 44-56.	1.2	26
35	Hippocampal plasticity during jaw movement conditioning in the rabbit. Brain Research, 1993, 608, 150-154.	2.2	19
36	In Search of Engrams. Annals of the New York Academy of Sciences, 1993, 702, 27-39.	3.8	17

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37	Cerebellar stimulation as an unconditioned stimulus in classical conditioning.. Behavioral Neuroscience, 1992, 106, 739-750.	1.2	87
38	Water deprivation optimizes hippocampal activity and facilitates nictitating membrane conditioning.. Behavioral Neuroscience, 1989, 103, 71-76.	1.2	53