Rodney A Swain

List of Publications by Year
in descending order

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	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
2	Prolonged exercise induces angiogenesis and increases cerebral blood volume in primary motor cortex of the rat. Neuroscience, 2003, 117, 1037-1046.	2.3	534
3	Exercise, experience and the aging brain1. Neurobiology of Aging, 2002, 23, 941-955.	3.1	442
4	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
5	Selective Synaptic Plasticity within the Cerebellar Cortex Following Complex Motor Skill Learning. Neurobiology of Learning and Memory, 1998, 69, 274-289.	1.9	181
6	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
7	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
8	Cerebellar stimulation as an unconditioned stimulus in classical conditioning.. Behavioral Neuroscience, 1992, 106, 739-750.	1.2	87
9	Angiogenesis but not neurogenesis is critical for normal learning and memory acquisition. Neuroscience, 2010, 171, 214-226.	2.3	82
10	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
11	Effects of Exercise on Pavlovian Fear Conditioning.. Behavioral Neuroscience, 2004, 118, 1123-1127.	1.2	72
12	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
13	Water deprivation optimizes hippocampal activity and facilitates nictitating membrane conditioning.. Behavioral Neuroscience, 1989, 103, 71-76.	1.2	53
14	On Aerobic Exercise and Behavioral and Neural Plasticity. Brain Sciences, 2012, 2, 709-744.	2.3	38
15	Localization of protein Ser/Thr phosphatase 5 in rat brain. Molecular Brain Research, 2001, 90, 101-109.	2.3	36
16	Cerebellar dentate nuclei lesions reduce motivation in appetitive operant conditioning and open field exploration. Neurobiology of Learning and Memory, 2011, 95, 166-175.	1.9	34
17	Conjugated Linoleic Acid (CLA) inhibits new vessel growth in the mammalian brain. Brain Research, 2008, 1213, 35-40.	2.2	33
18	The Cerebellum: A Neural System for the Study of Reinforcement Learning. Frontiers in Behavioral Neuroscience, 2011, 5, 8.	2.0	32

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19	Classical conditioning with electrical stimulation of cerebellum as both conditioned and unconditioned stimulus.. Behavioral Neuroscience, 1996, 110, 914-921.	1.2	31
20	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
21	Intracerebellar conditioning â€" Brogden and Gantt revisited. Behavioural Brain Research, 2000, 110, 3-11.	2.2	24
22	Rapid cellular genesis and apoptosis: Effects of exercise in the adult rat.. Behavioral Neuroscience, 2011, 125, 1-9.	1.2	23
23	Pretraining enhances recovery from visuospatial deficit following cerebellar dentate nucleus lesion.. Behavioral Neuroscience, 2003, 117, 785-798.	1.2	21
24	Hippocampal plasticity during jaw movement conditioning in the rabbit. Brain Research, 1993, 608, 150-154.	2.2	19
25	In Search of Engrams. Annals of the New York Academy of Sciences, 1993, 702, 27-39.	3.8	17
26	Behavior modification after inactivation of cerebellar dentate nuclei.. Behavioral Neuroscience, 2012, 126, 551-562.	1.2	16
27	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
28	Astrocytes and radial gliaâ€like cells, but not neurons, display a nonapoptotic increase in caspaseâ€3 expression following exercise. Brain and Behavior, 2018, 8, e01110.	2.2	12
29	Exercise pattern and distance differentially affect hippocampal and cerebellar expression of FLK-1 and FLT-1 receptors in astrocytes and blood vessels. Behavioural Brain Research, 2018, 337, 8-16.	2.2	10
30	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
31	Motor learning rapidly increases synaptogenesis and astrocytic structural plasticity in the rat cerebellum. Neurobiology of Learning and Memory, 2021, 177, 107339.	1.9	9
32	Aerobic exercise increases sprouting angiogenesis in the male rat motor cortex. Brain Structure and Function, 2020, 225, 2301-2314.	2.3	6
33	Examining Cerebral Angiogenesis in Response to Physical Exercise. Methods in Molecular Biology, 2014, 1135, 139-154.	0.9	6
34	Inactivation of the cerebellar fastigial nuclei alters social behavior in the rat.. Behavioral Neuroscience, 2018, 132, 552-560.	1.2	5
35	Wheel running for 26 weeks is associated with sustained vascular plasticity in the rat motor cortex. Behavioural Brain Research, 2020, 380, 112447.	2.2	3
36	Abnormal dendritic spine characteristics in the temporal and visual cortices of patients with fragile-X syndrome: A quantitative examination. , 2001, 98, 161.		3

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37	Introgression of Brown Norway Chromosome 13 Improves Visual Spatial Memory in the Dahl S Rat. Behavior Genetics, 2010, 40, 76-84.	2.1	2
38	Cerebellar dentate nuclei lesions alter prefrontal cortex dendritic spine morphology. Brain Research, 2014, 1544, 15-24.	2.2	2