

Robert Stackman Jr

List of Publications by Year in descending order

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58
papers

5,400
citations

117453

34
h-index

155451

55
g-index

58
all docs

58
docs citations

58
times ranked

5578
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing rodent hippocampal involvement in the novel object recognition task. A review. Behavioural Brain Research, 2015, 285, 105-117.	1.2	427
2	On the delay-dependent involvement of the hippocampus in object recognition memory. Neurobiology of Learning and Memory, 2004, 82, 26-34.	1.0	398
3	Hippocampal spatial representations require vestibular input. Hippocampus, 2002, 12, 291-303.	0.9	329
4	Firing Properties of Rat Lateral Mammillary Single Units: Head Direction, Head Pitch, and Angular Head Velocity. Journal of Neuroscience, 1998, 18, 9020-9037.	1.7	280
5	Firing Properties of Head Direction Cells in the Rat Anterior Thalamic Nucleus: Dependence on Vestibular Input. Journal of Neuroscience, 1997, 17, 4349-4358.	1.7	266
6	The Rodent Hippocampus Is Essential for Nonspatial Object Memory. Current Biology, 2013, 23, 1685-1690.	1.8	260
7	Small Conductance Ca ²⁺ -Activated K ⁺ Channels Modulate Synaptic Plasticity and Memory Encoding. Journal of Neuroscience, 2002, 22, 10163-10171.	1.7	249
8	The role of serotonin 5-HT _{2A} receptors in memory and cognition. Frontiers in Pharmacology, 2015, 6, 225.	1.6	213
9	Prevention of age-related spatial memory deficits in a transgenic mouse model of Alzheimer's disease by chronic Ginkgo biloba treatment. Experimental Neurology, 2003, 184, 510-520.	2.0	202
10	Processing the head direction cell signal: A review and commentary. Brain Research Bulletin, 1996, 40, 477-484.	1.4	193
11	Small-Conductance Ca ²⁺ -Activated K ⁺ Channel Type 2 (SK2) Modulates Hippocampal Learning, Memory, and Synaptic Plasticity. Journal of Neuroscience, 2006, 26, 1844-1853.	1.7	187
12	Chronic dietary α -lipoic acid reduces deficits in hippocampal memory of aged Tg2576 mice. Neurobiology of Aging, 2007, 28, 213-225.	1.5	155
13	Hippocampal Place Cell Instability after Lesions of the Head Direction Cell Network. Journal of Neuroscience, 2003, 23, 9719-9731.	1.7	153
14	Intraseptal administration of muscimol produces dose-dependent memory impairments in the rat. Behavioral and Neural Biology, 1989, 52, 357-369.	2.3	149
15	Passive Transport Disrupts Directional Path Integration by Rat Head Direction Cells. Journal of Neurophysiology, 2003, 90, 2862-2874.	0.9	144
16	Developmental Exposure to Polychlorinated Biphenyls Interferes with Experience-Dependent Dendritic Plasticity and Ryanodine Receptor Expression in Weanling Rats. Environmental Health Perspectives, 2009, 117, 426-435.	2.8	143
17	Stability of Spatial Working Memory across the Estrous Cycle of Long-Evans Rats. Neurobiology of Learning and Memory, 1997, 67, 167-171.	1.0	133
18	Stimulation of serotonin 2A receptors facilitates consolidation and extinction of fear memory in C57BL/6J mice. Neuropharmacology, 2013, 64, 403-413.	2.0	123

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19	Rats with lesions of the vestibular system require a visual landmark for spatial navigation. <i>Behavioural Brain Research</i> , 2002, 128, 27-40.	1.2	112
20	Distinct Profile of Working Memory Errors Following Acute or Chronic Disruption of the Cholinergic Septohippocampal Pathway. <i>Neurobiology of Learning and Memory</i> , 1995, 64, 226-236.	1.0	105
21	Behavioral and neurobiological alterations induced by the immunotoxin 192-IgG-saporin: cholinergic and non-cholinergic effects following i.c.v. injection. <i>Brain Research</i> , 1995, 702, 233-245.	1.1	94
22	Maintenance of Rat Head Direction Cell Firing During Locomotion in the Vertical Plane. <i>Journal of Neurophysiology</i> , 2000, 83, 393-405.	0.9	87
23	Rat Head Direction Cell Responses in Zero-Gravity Parabolic Flight. <i>Journal of Neurophysiology</i> , 2004, 92, 2887-2997.	0.9	75
24	On the behavioral significance of head direction cells: Neural and behavioral dynamics during spatial memory tasks.. <i>Behavioral Neuroscience</i> , 2001, 115, 285-304.	0.6	62
25	Chlordiazepoxide-induced working memory impairments: Site specificity and reversal by flumazenil (R015-1788). <i>Behavioral and Neural Biology</i> , 1992, 57, 233-243.	2.3	60
26	Baclofen produces dose-related working memory impairments after intraseptal injection. <i>Behavioral and Neural Biology</i> , 1994, 61, 181-185.	2.3	59
27	The SK2-long isoform directs synaptic localization and function of SK2-containing channels. <i>Nature Neuroscience</i> , 2011, 14, 744-749.	7.1	52
28	In vivo pharmacological manipulation of small conductance Ca ²⁺ -activated K ⁺ channels influences motor behavior, object memory and fear conditioning. <i>Neuropharmacology</i> , 2010, 58, 650-659.	2.0	50
29	Temporary inactivation reveals that the CA1 region of the mouse dorsal hippocampus plays an equivalent role in the retrieval of long-term object memory and spatial memory. <i>Neurobiology of Learning and Memory</i> , 2016, 133, 118-128.	1.0	49
30	Activation of serotonin 5-HT _{2C} receptor suppresses behavioral sensitization and naloxone-precipitated withdrawal symptoms in heroin-treated mice. <i>Neuroscience Letters</i> , 2015, 607, 23-28.	1.0	43
31	Object Recognition Memory: Distinct Yet Complementary Roles of the Mouse CA1 and Perirhinal Cortex. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 527543.	1.4	40
32	Intraseptal injection of GABA and benzodiazepine receptor ligands alters highaffinity choline transport in the hippocampus. <i>Brain Research Bulletin</i> , 1993, 31, 267-271.	1.4	39
33	Activation of serotonin 5-HT _{2C} receptor suppresses behavioral sensitization and naloxone-precipitated withdrawal symptoms in morphine-dependent mice. <i>Neuropharmacology</i> , 2016, 101, 246-254.	2.0	39
34	Hemicholinium-3 prevents the working memory impairments and the cholinergic hypofunction induced by ethylcholine aziridinium ion (AF64A). <i>Brain Research</i> , 1989, 504, 269-275.	1.1	38
35	Directional Responding of C57BL/6J Mice in the Morris Water Maze Is Influenced by Visual and Vestibular Cues and Is Dependent on the Anterior Thalamic Nuclei. <i>Journal of Neuroscience</i> , 2012, 32, 10211-10225.	1.7	36
36	Vitamin E Prevents the Place Learning Deficit and the Cholinergic Hypofunction Induced by AF64A. <i>Experimental Neurology</i> , 1994, 125, 15-21.	2.0	33

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37	Intraseptal Flumazenil Enhances, while Diazepam Binding Inhibitor Impairs, Performance in a Working Memory Task. <i>Neurobiology of Learning and Memory</i> , 1996, 66, 341-352.	1.0	32
38	The neurosteroid allopregnanolone impairs object memory and contextual fear memory in male C57BL/6J mice. <i>Hormones and Behavior</i> , 2014, 66, 238-246.	1.0	30
39	Blockade of Serotonin 5-HT _{2A} Receptors Suppresses Behavioral Sensitization and Naloxone-Precipitated Withdrawal Symptoms in Morphine-Treated Mice. <i>Frontiers in Pharmacology</i> , 2016, 7, 514.	1.6	26
40	Encoding of Contextual Fear Memory Requires De Novo Proteins in the Prelimbic Cortex. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 158-169.	1.1	25
41	Anatomical specificity and time-dependence of chlordiazepoxide-induced spatial memory impairments.. <i>Behavioral Neuroscience</i> , 1995, 109, 436-445.	0.6	24
42	Examination of the hippocampal contribution to serotonin 5-HT _{2A} receptor-mediated facilitation of object memory in C57BL/6J mice. <i>Neuropharmacology</i> , 2016, 109, 332-340.	2.0	23
43	Spatial working memory is preserved in rats treated with anabolic-androgenic steroids. <i>Brain Research</i> , 1996, 737, 313-316.	1.1	22
44	Reversible inactivation of the medial septum or nucleus basalis impairs working memory in rats: A dissociation of memory and performance.. <i>Behavioral Neuroscience</i> , 1998, 112, 1114-1124.	0.6	21
45	AF64A (ethylcholine mustard aziridinium) impairs acquisition and performance of a spatial, but not a cued water maze task: Relation to cholinergic hypofunction. <i>Physiology and Behavior</i> , 1993, 54, 1227-1233.	1.0	19
46	Object and place information processing by CA1 hippocampal neurons of C57BL/6J mice. <i>Journal of Neurophysiology</i> , 2020, 123, 1247-1264.	0.9	18
47	Contextual memory deficits observed in mice overexpressing small conductance Ca ²⁺ -activated K ⁺ type 2 (K _{Ca} 2.2, SK2) channels are caused by an encoding deficit. <i>Learning and Memory</i> , 2008, 15, 208-213.	0.5	17
48	A single intraseptal injection of nerve growth factor facilitates radial maze performance following damage to the medial septum in rats. <i>Brain Research</i> , 1995, 679, 99-109.	1.1	14
49	Medial septal benzodiazepine receptors modulate hippocampal evoked responses and long-term potentiation. <i>Brain Research</i> , 1996, 717, 12-21.	1.1	14
50	Effect of a hallucinogenic serotonin 5-HT _{2A} receptor agonist on visually guided, hippocampal-dependent spatial cognition in C57BL/6J mice. <i>Hippocampus</i> , 2017, 27, 558-569.	0.9	8
51	Small-Conductance Ca ²⁺ -Activated K ⁺ Channel 2 in the Dorsal Horn of Spinal Cord Participates in Visceral Hypersensitivity in Rats. <i>Frontiers in Pharmacology</i> , 2018, 9, 840.	1.6	8
52	Reversible inactivation of the medial septum or nucleus basalis impairs working memory in rats: a dissociation of memory and performance. <i>Behavioral Neuroscience</i> , 1998, 112, 1114-24.	0.6	8
53	Modulation of Memory by Benzodiazepine-Acetylcholine Interactions. , 1992, , 312-328.		6
54	Anatomical specificity and time-dependence of chlordiazepoxide-induced spatial memory impairments. <i>Behavioral Neuroscience</i> , 1995, 109, 436-45.	0.6	6

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55	Behavioral Correlates of Neuronal Activity Recorded as Single-Units: Promises and Pitfalls as Illustrated by the Rodent Head Direction Cell Signal. <i>Neuromethods</i> , 2011, , 127-167.	0.2	1
56	Mice recognize 3D objects from recalled 2D pictures, support for picture-object equivalence. <i>Scientific Reports</i> , 2022, 12, 4184.	1.6	1
57	Vitamin E attenuates the effects of both reversible and irreversible inhibitors of high-affinity choline transport in vivo. <i>Restorative Neurology and Neuroscience</i> , 1997, 11, 83-89.	0.4	0
58	Path Integration in the Rat Head-Direction Circuit. , 1998, , 579-584.		0