

Robert Stackman Jr

List of Publications by Year in descending order

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58
papers

5,400
citations

117625

34
h-index

155660

55
g-index

58
all docs

58
docs citations

58
times ranked

5578
citing authors

#	ARTICLE	IF	CITATIONS
1	Mice recognize 3D objects from recalled 2D pictures, support for picture-object equivalence. <i>Scientific Reports</i> , 2022, 12, 4184.	3.3	1
2	Object Recognition Memory: Distinct Yet Complementary Roles of the Mouse CA1 and Perirhinal Cortex. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 527543.	2.9	40
3	Object and place information processing by CA1 hippocampal neurons of C57BL/6J mice. <i>Journal of Neurophysiology</i> , 2020, 123, 1247-1264.	1.8	18
4	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.	3.5	8
5	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.	1.9	8
6	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.	1.5	25
7	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.	3.5	26
8	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.	4.1	23
9	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.	1.9	49
10	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.	4.1	39
11	The role of serotonin 5-HT _{2A} receptors in memory and cognition. <i>Frontiers in Pharmacology</i> , 2015, 6, 225.	3.5	213
12	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.	2.1	43
13	Assessing rodent hippocampal involvement in the novel object recognition task. A review. <i>Behavioural Brain Research</i> , 2015, 285, 105-117.	2.2	427
14	The neurosteroid allopregnanolone impairs object memory and contextual fear memory in male C57BL/6J mice. <i>Hormones and Behavior</i> , 2014, 66, 238-246.	2.1	30
15	The Rodent Hippocampus Is Essential for Nonspatial Object Memory. <i>Current Biology</i> , 2013, 23, 1685-1690.	3.9	260
16	Stimulation of serotonin 2A receptors facilitates consolidation and extinction of fear memory in C57BL/6J mice. <i>Neuropharmacology</i> , 2013, 64, 403-413.	4.1	123
17	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.	3.6	36
18	The SK2-long isoform directs synaptic localization and function of SK2-containing channels. <i>Nature Neuroscience</i> , 2011, 14, 744-749.	14.8	52

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19	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.	0.3	1
20	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.	4.1	50
21	Developmental Exposure to Polychlorinated Biphenyls Interferes with Experience-Dependent Dendritic Plasticity and Ryanodine Receptor Expression in Weanling Rats. <i>Environmental Health Perspectives</i> , 2009, 117, 426-435.	6.0	143
22	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.	1.3	17
23	Chronic dietary α -lipoic acid reduces deficits in hippocampal memory of aged Tg2576 mice. <i>Neurobiology of Aging</i> , 2007, 28, 213-225.	3.1	155
24	Small-Conductance Ca ²⁺ -Activated K ⁺ Channel Type 2 (SK2) Modulates Hippocampal Learning, Memory, and Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2006, 26, 1844-1853.	3.6	187
25	On the delay-dependent involvement of the hippocampus in object recognition memory. <i>Neurobiology of Learning and Memory</i> , 2004, 82, 26-34.	1.9	398
26	Rat Head Direction Cell Responses in Zero-Gravity Parabolic Flight. <i>Journal of Neurophysiology</i> , 2004, 92, 2887-2997.	1.8	75
27	Prevention of age-related spatial memory deficits in a transgenic mouse model of Alzheimer's disease by chronic Ginkgo biloba treatment. <i>Experimental Neurology</i> , 2003, 184, 510-520.	4.1	202
28	Passive Transport Disrupts Directional Path Integration by Rat Head Direction Cells. <i>Journal of Neurophysiology</i> , 2003, 90, 2862-2874.	1.8	144
29	Hippocampal Place Cell Instability after Lesions of the Head Direction Cell Network. <i>Journal of Neuroscience</i> , 2003, 23, 9719-9731.	3.6	153
30	Rats with lesions of the vestibular system require a visual landmark for spatial navigation. <i>Behavioural Brain Research</i> , 2002, 128, 27-40.	2.2	112
31	Small Conductance Ca ²⁺ -Activated K ⁺ Channels Modulate Synaptic Plasticity and Memory Encoding. <i>Journal of Neuroscience</i> , 2002, 22, 10163-10171.	3.6	249
32	Hippocampal spatial representations require vestibular input. <i>Hippocampus</i> , 2002, 12, 291-303.	1.9	329
33	On the behavioral significance of head direction cells: Neural and behavioral dynamics during spatial memory tasks.. <i>Behavioral Neuroscience</i> , 2001, 115, 285-304.	1.2	62
34	Maintenance of Rat Head Direction Cell Firing During Locomotion in the Vertical Plane. <i>Journal of Neurophysiology</i> , 2000, 83, 393-405.	1.8	87
35	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.	1.2	21
36	Firing Properties of Rat Lateral Mammillary Single Units: Head Direction, Head Pitch, and Angular Head Velocity. <i>Journal of Neuroscience</i> , 1998, 18, 9020-9037.	3.6	280

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37	Reversible inactivation of the medial septum or nucleus basalis impairs working memory in rats: A dissociation of memory and performance.. Behavioral Neuroscience, 1998, 112, 1114-1124.	1.2	8
38	Path Integration in the Rat Head-Direction Circuit. , 1998, , 579-584.		0
39	Vitamin E attenuates the effects of both reversible and irreversible inhibitors of high-affinity choline transport in vivo. Restorative Neurology and Neuroscience, 1997, 11, 83-89.	0.7	0
40	Stability of Spatial Working Memory across the Estrous Cycle of Long-ÉEvans Rats. Neurobiology of Learning and Memory, 1997, 67, 167-171.	1.9	133
41	Firing Properties of Head Direction Cells in the Rat Anterior Thalamic Nucleus: Dependence on Vestibular Input. Journal of Neuroscience, 1997, 17, 4349-4358.	3.6	266
42	Intraseptal Flumazenil Enhances, while Diazepam Binding Inhibitor Impairs, Performance in a Working Memory Task. Neurobiology of Learning and Memory, 1996, 66, 341-352.	1.9	32
43	Processing the head direction cell signal: A review and commentary. Brain Research Bulletin, 1996, 40, 477-484.	3.0	193
44	Medial septal benzodiazepine receptors modulate hippocampal evoked responses and long-term potentiation. Brain Research, 1996, 717, 12-21.	2.2	14
45	Spatial working memory is preserved in rats treated with anabolic-androgenic steroids. Brain Research, 1996, 737, 313-316.	2.2	22
46	Anatomical specificity and time-dependence of chlordiazepoxide-induced spatial memory impairments.. Behavioral Neuroscience, 1995, 109, 436-445.	1.2	24
47	A single intraseptal injection of nerve growth factor facilitates radial maze performance following damage to the medial septum in rats. Brain Research, 1995, 679, 99-109.	2.2	14
48	Behavioral and neurobiological alterations induced by the immunotoxin 192-IgG-saporin: cholinergic and non-cholinergic effects following i.c.v. injection. Brain Research, 1995, 702, 233-245.	2.2	94
49	Distinct Profile of Working Memory Errors Following Acute or Chronic Disruption of the Cholinergic Septohippocampal Pathway. Neurobiology of Learning and Memory, 1995, 64, 226-236.	1.9	105
50	Anatomical specificity and time-dependence of chlordiazepoxide-induced spatial memory impairments.. Behavioral Neuroscience, 1995, 109, 436-445.	1.2	6
51	Vitamin E Prevents the Place Learning Deficit and the Cholinergic Hypofunction Induced by AF64A. Experimental Neurology, 1994, 125, 15-21.	4.1	33
52	Baclofen produces dose-related working memory impairments after intraseptal injection. Behavioral and Neural Biology, 1994, 61, 181-185.	2.2	59
53	AF64A (ethylcholine mustard aziridinium) impairs acquisition and performance of a spatial, but not a cued water maze task: Relation to cholinergic hypofunction. Physiology and Behavior, 1993, 54, 1227-1233.	2.1	19
54	Intraseptal injection of GABA and benzodiazepine receptor ligands alters highaffinity choline transport in the hippocampus. Brain Research Bulletin, 1993, 31, 267-271.	3.0	39

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55	Chlordiazepoxide-induced working memory impairments: Site specificity and reversal by flumazenil (R015-1788). Behavioral and Neural Biology, 1992, 57, 233-243.	2.2	60
56	Modulation of Memory by Benzodiazepine-Acetylcholine Interactions. , 1992, , 312-328.		6
57	Intraseptal administration of muscimol produces dose-dependent memory impairments in the rat. Behavioral and Neural Biology, 1989, 52, 357-369.	2.2	149
58	Hemicholinium-3 prevents the working memory impairments and the cholinergic hypofunction induced by ethylcholine aziridinium ion (AF64A). Brain Research, 1989, 504, 269-275.	2.2	38