

# Richard Dyck

## List of Publications by Year in descending order

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83  
papers

3,776  
citations

126708

33  
h-index

133063

59  
g-index

91  
all docs

91  
docs citations

91  
times ranked

4674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lack of Vesicular Zinc Does Not Affect the Behavioral Phenotype of Polyinosinic:Polycytidylic Acid-Induced Maternal Immune Activation Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 769322.	1.0	1
2	Effects of enriched housing on the neuronal morphology of mice that lack zinc transporter 3 (ZnT3) and vesicular zinc. <i>Behavioural Brain Research</i> , 2020, 379, 112336.	1.2	5
3	Effects of social defeat stress and fluoxetine treatment on neurogenesis and behavior in mice that lack zinc transporter 3 (ZnT3) and vesicular zinc. <i>Hippocampus</i> , 2020, 30, 623-637.	0.9	12
4	Brain-derived Neurotrophic Factor and TrkB Levels in Mice that Lack Vesicular Zinc: Effects of Age and Sex. <i>Neuroscience</i> , 2020, 425, 90-100.	1.1	3
5	Examination of Zinc in the Circadian System. <i>Neuroscience</i> , 2020, 432, 15-29.	1.1	2
6	Signaling by Synaptic Zinc is Required for Whisker-Mediated, Fine Texture Discrimination. <i>Neuroscience</i> , 2018, 369, 242-247.	1.1	27
7	Behavior of Adult 5-HT1A Receptor Knockout Mice Exposed to Stress During Prenatal Development. <i>Neuroscience</i> , 2018, 371, 16-28.	1.1	8
8	Elimination of vesicular zinc alters the behavioural and neuroanatomical effects of social defeat stress in mice. <i>Neurobiology of Stress</i> , 2018, 9, 199-213.	1.9	14
9	Behavioral characterization of female zinc transporter 3 (ZnT3) knockout mice. <i>Behavioural Brain Research</i> , 2017, 321, 36-49.	1.2	25
10	Behavioural outcomes of adult female offspring following maternal stress and perinatal fluoxetine exposure. <i>Behavioural Brain Research</i> , 2017, 331, 84-91.	1.2	24
11	Zinc transporter 3 (ZnT3) and vesicular zinc in central nervous system function. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 80, 329-350.	2.9	122
12	<i>Neurog2</i> and <i>Ascl1</i> together regulate a postmitotic derepression circuit to govern laminar fate specification in the murine neocortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4934-E4943.	3.3	34
13	Circadian behavior of adult mice exposed to stress and fluoxetine during development. <i>Psychopharmacology</i> , 2017, 234, 793-804.	1.5	17
14	A new role for zinc in the brain. <i>ELife</i> , 2017, 6, .	2.8	11
15	Effects of maternal stress and perinatal fluoxetine exposure on behavioral outcomes of adult male offspring. <i>Neuroscience</i> , 2016, 320, 281-296.	1.1	57
16	Mice lacking the transcription factor SHOX2 display impaired cerebellar development and deficits in motor coordination. <i>Developmental Biology</i> , 2015, 399, 54-67.	0.9	18
17	The effects of chronic fluoxetine treatment following injury of medial frontal cortex in mice. <i>Behavioural Brain Research</i> , 2015, 290, 102-116.	1.2	13
18	Predictors of caregiver depression and family functioning after perinatal stroke. <i>BMC Pediatrics</i> , 2015, 15, 75.	0.7	49

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19	Effects of lighting condition on circadian behavior in 5-HT1A receptor knockout mice. <i>Physiology and Behavior</i> , 2015, 139, 136-144.	1.0	11
20	Increased Aggression, Improved Spatial Memory, and Reduced Anxiety-Like Behaviour in Adult Male Mice Exposed to Fluoxetine Early in Life. <i>Developmental Neuroscience</i> , 2014, 36, 396-408.	1.0	47
21	Parent and family impact of raising a child with perinatal stroke. <i>BMC Pediatrics</i> , 2014, 14, 182.	0.7	48
22	Survival of Adult Generated Hippocampal Neurons Is Altered in Circadian Arrhythmic Mice. <i>PLoS ONE</i> , 2014, 9, e99527.	1.1	32
23	The effects of perinatal fluoxetine treatment on the circadian system of the adult mouse. <i>Psychopharmacology</i> , 2013, 225, 743-751.	1.5	16
24	Long-Term Outcomes of Developmental Exposure to Fluoxetine: A Review of the Animal Literature. <i>Developmental Neuroscience</i> , 2013, 35, 437-449.	1.0	44
25	Novel, whisker-dependent texture discrimination task for mice. <i>Behavioural Brain Research</i> , 2013, 237, 238-242.	1.2	60
26	Bi-Parental Care Contributes to Sexually Dimorphic Neural Cell Genesis in the Adult Mammalian Brain. <i>PLoS ONE</i> , 2013, 8, e62701.	1.1	8
27	Behavioural outcomes of perinatal maternal fluoxetine treatment. <i>Neuroscience</i> , 2012, 226, 356-366.	1.1	58
28	Object/Context Specific Memory Deficits following Medial Frontal Cortex Damage in Mice. <i>PLoS ONE</i> , 2012, 7, e43698.	1.1	32
29	Alterations in protein and gene expression within the barrel cortices of ZnT3 knockout mice: Experience-independent and dependent changes. <i>Neurochemistry International</i> , 2011, 59, 860-870.	1.9	11
30	M-M-101 EARLY CIRCADIAN ABNORMALITIES AND NEUROPEPTIDE DEGENERATION WITHIN THE CIRCADIAN PACEMAKER ARE PREDICTIVE OF FUTURE ALZHEIMER'S DISEASE PATHOLOGY. <i>Sleep Medicine</i> , 2011, 12, S49.	0.8	0
31	Larger cortical motor maps after seizures. <i>European Journal of Neuroscience</i> , 2011, 34, 615-621.	1.2	11
32	Characterization of the 3xTg-AD mouse model of Alzheimer's disease: Part 1. Circadian changes. <i>Brain Research</i> , 2010, 1348, 139-148.	1.1	161
33	Characterization of the 3xTg-AD mouse model of Alzheimer's disease: Part 2. Behavioral and cognitive changes. <i>Brain Research</i> , 2010, 1348, 149-155.	1.1	182
34	Experience-dependent regulation of vesicular zinc in male and female 3xTg-AD mice. <i>Neurobiology of Aging</i> , 2010, 31, 605-613.	1.5	14
35	Dynamic, experience-dependent modulation of synaptic zinc within the excitatory synapses of the mouse barrel cortex. <i>Neuroscience</i> , 2010, 170, 1015-1019.	1.1	17
36	Neonatal Medial Frontal Cortex Lesions Disrupt Circadian Activity Patterns. <i>Developmental Neuroscience</i> , 2009, 31, 412-419.	1.0	3

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37	Zinc and cortical plasticity. <i>Brain Research Reviews</i> , 2009, 59, 347-373.	9.1	162
38	Differential Progression of Magnetization Transfer Imaging Changes Depending on Severity of Cerebral Hypoxic-Ischemic Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1613-1623.	2.4	5
39	Syntaxin 1A is required for normal in utero development. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 372-377.	1.0	14
40	Enhanced Plasticity in Zincergic, Cortical Circuits after Exposure to Enriched Environments. <i>Journal of Neuroscience</i> , 2008, 28, 13995-13999.	1.7	13
41	Proteinase-Activated Receptor-2 Exerts Protective and Pathogenic Cell Type-Specific Effects in Alzheimer's Disease. <i>Journal of Immunology</i> , 2007, 179, 5493-5503.	0.4	53
42	Zincergic innervation of the forebrain distinguishes epilepsy-prone from epilepsy-resistant rat strains. <i>Neuroscience</i> , 2007, 144, 1409-1414.	1.1	11
43	The Role of Zinc in Cerebral Ischemia. <i>Molecular Medicine</i> , 2007, 13, 380-387.	1.9	81
44	Slow progressive degeneration of nigral dopaminergic neurons in postnatal <i>Engrailed</i> mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15242-15247.	3.3	129
45	Retrograde tracing of the subset of afferent connections in mouse barrel cortex provided by zincergic neurons. <i>Journal of Comparative Neurology</i> , 2005, 486, 48-60.	0.9	21
46	Induction of Reproducible Focal Ischemic Lesions in Neonatal Mice by Photothrombosis. <i>Developmental Neuroscience</i> , 2005, 27, 121-126.	1.0	30
47	Disrupted tonotopy of the auditory cortex in mice lacking M1 muscarinic acetylcholine receptor. <i>Hearing Research</i> , 2005, 201, 145-155.	0.9	40
48	Heterogeneity among hippocampal pyramidal neurons revealed by their relation to theta-band oscillation and synchrony. <i>Experimental Neurology</i> , 2005, 195, 458-474.	2.0	29
49	Modulation of synaptic zinc in barrel cortex by whisker stimulation. <i>Neuroscience</i> , 2005, 134, 355-359.	1.1	27
50	Efficacy and Safety Evaluation of Human Reovirus Type 3 in Immunocompetent Animals. <i>Clinical Cancer Research</i> , 2004, 10, 8561-8576.	3.2	78
51	The neuregulin receptor, ErbB4, is not required for normal development and adult maintenance of the substantia nigra pars compacta. <i>Journal of Neurochemistry</i> , 2004, 91, 1302-1311.	2.1	44
52	Sequential phases of cortical specification involve Neurogenin-dependent and -independent pathways. <i>EMBO Journal</i> , 2004, 23, 2892-2902.	3.5	355
53	Reovirus as an experimental therapeutic for brain and leptomeningeal metastases from breast cancer. <i>Gene Therapy</i> , 2004, 11, 1579-1589.	2.3	45
54	Distribution of zincergic neurons in the mouse forebrain. <i>Journal of Comparative Neurology</i> , 2004, 479, 156-167.	0.9	65

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55	MAOA knockout mice are more susceptible to seizures but show reduced epileptogenesis. <i>Epilepsy Research</i> , 2004, 59, 25-34.	0.8	14
56	Vibrissae. , 2004, , 81-89.		3
57	Antigenic compartmentation of the cat cerebellar cortex. <i>Brain Research</i> , 2003, 977, 1-15.	1.1	31
58	Altered zincergic innervation of the developing primary somatosensory cortex in monoamine oxidase-A knockout mice. <i>Developmental Brain Research</i> , 2003, 142, 19-29.	2.1	15
59	Developmental distribution of calretinin in mouse barrel cortex. <i>Developmental Brain Research</i> , 2003, 143, 111-114.	2.1	11
60	Intracellular recording and labeling of neurons in midline structures of the rat brain in vivo using sharp electrodes. <i>Journal of Neuroscience Methods</i> , 2003, 127, 85-93.	1.3	12
61	An improved method for visualizing the cell bodies of zincergic neurons. <i>Journal of Neuroscience Methods</i> , 2003, 129, 41-47.	1.3	13
62	Experience-dependent regulation of synaptic zinc is impaired in the cortex of aged mice. <i>Neuroscience</i> , 2003, 119, 795-801.	1.1	27
63	Experience-dependent Regulation of the Zincergic Innervation of Visual Cortex in Adult Monkeys. <i>Cerebral Cortex</i> , 2003, 13, 1094-1109.	1.6	32
64	Cloning and Cortical Expression of Rat Emx2 and Adenovirus-mediated Overexpression to Assess its Regulation of Area-specific Targeting of Thalamocortical Axons. <i>Cerebral Cortex</i> , 2003, 13, 648-660.	1.6	21
65	Enhanced epileptogenesis in S100B knockout mice. <i>Molecular Brain Research</i> , 2002, 106, 22-29.	2.5	49
66	Rapid, Experience-Dependent Changes in Levels of Synaptic Zinc in Primary Somatosensory Cortex of the Adult Mouse. <i>Journal of Neuroscience</i> , 2002, 22, 2617-2625.	1.7	60
67	Relationship Between Membrane Potential Oscillations and Rhythmic Discharges in Identified Hippocampal Theta-Related Cells. <i>Journal of Neurophysiology</i> , 2002, 88, 3046-3066.	0.9	42
68	The Dalila effect: C57BL6 mice barber whiskers by plucking. <i>Behavioural Brain Research</i> , 2000, 108, 39-45.	1.2	116
69	Columnar distribution of serotonin-dependent plasticity within kitten striate cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 1841-1844.	3.3	62
70	Generation and Analysis of GluR5(Q636R) Kainate Receptor Mutant Mice. <i>Journal of Neuroscience</i> , 1999, 19, 8757-8764.	1.7	68
71	Effects of tetrodotoxin treatment in LGN on neuromodulatory receptor expression in developing visual cortex. <i>Developmental Brain Research</i> , 1998, 106, 93-99.	2.1	5
72	The correlation between cortical neuron maturation and neurofilament phosphorylation: a developmental study of phosphorylated 200 kDa neurofilament protein in cat visual cortex. <i>Developmental Brain Research</i> , 1994, 81, 151-161.	2.1	26

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73	Development, critical period plasticity, and adult reorganizations of mammalian somatosensory systems. <i>Current Opinion in Neurobiology</i> , 1994, 4, 535-544.	2.0	161
74	Histochemical localization of synaptic zinc in the developing cat visual cortex. <i>Journal of Comparative Neurology</i> , 1993, 329, 53-67.	0.9	60
75	Immunohistochemical localization of the S-100 $\beta$ protein in postnatal cat visual cortex: spatial and temporal patterns of expression in cortical and subcortical glia. <i>Developmental Brain Research</i> , 1993, 72, 181-192.	2.1	65
76	An interdigitated columnar mosaic of cytochrome oxidase, zinc, and neurotransmitter-related molecules in cat and monkey visual cortex.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 9066-9069.	3.3	58
77	Autoradiographic localization of serotonin receptor subtypes in cat visual cortex: transient regional, laminar, and columnar distributions during postnatal development. <i>Journal of Neuroscience</i> , 1993, 13, 4316-4338.	1.7	81
78	Enrichment of glutamate in zinc-containing terminals of the cat visual cortex. <i>NeuroReport</i> , 1992, 3, 861-864.	0.6	131
79	Sparing of two types of hippocampal rhythmical slow activity (RSA, theta) in adult rats decorticated neonatally. <i>Brain Research Bulletin</i> , 1991, 26, 425-427.	1.4	3
80	Increased cytochrome oxidase activity of mesencephalic neurons in developing rats displaying methylmercury-induced movement and postural disorders. <i>Neuroscience Letters</i> , 1988, 89, 271-276.	1.0	4
81	Place navigation by rats in a swimming pool.. <i>Canadian Journal of Psychology</i> , 1984, 38, 322-347.	0.8	188
82	Comparative potency of tactile, auditory, and visual stimulus repetition in eliciting activated forebrain EEG in the rabbit.. <i>Behavioral Neuroscience</i> , 1984, 98, 333-344.	0.6	13
83	Comparative potency of tactile, auditory, and visual stimulus repetition in eliciting activated forebrain EEG in the rabbit. <i>Behavioral Neuroscience</i> , 1984, 98, 333-44.	0.6	6