

Richard S Nowakowski

List of Publications by Year in descending order

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91
papers

9,886
citations

53794

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docs citations

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times ranked

8488
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentiation of Amyloid Plaques Between Alzheimer's Disease and Non-Alzheimer's Disease Individuals Based on Gray-Level Co-occurrence Matrix Texture Analysis. <i>Microscopy and Microanalysis</i> , 2021, 27, 1146-1153.	0.4	7
2	Sex-biased hippocampal pathology in the 5XFAD mouse model of Alzheimer's disease: A multi-omic analysis. <i>Journal of Comparative Neurology</i> , 2019, 527, 462-475.	1.6	67
3	Stability of Wake-Sleep Cycles Requires Robust Degradation of the PERIOD Protein. <i>Current Biology</i> , 2017, 27, 3454-3467.e8.	3.9	44
4	The stability of the transcriptome during the estrous cycle in four regions of the mouse brain. <i>Journal of Comparative Neurology</i> , 2017, 525, 3360-3387.	1.6	28
5	Loss of Brap Results in Premature G1/S Phase Transition and Impeded Neural Progenitor Differentiation. <i>Cell Reports</i> , 2017, 20, 1148-1160.	6.4	29
6	Sex differences in the molecular signature of the developing mouse hippocampus. <i>BMC Genomics</i> , 2017, 18, 237.	2.8	53
7	Transcriptomic analysis of the hippocampus from six inbred strains of mice suggests a basis for sex-specific susceptibility and severity of neurological disorders. <i>Journal of Comparative Neurology</i> , 2016, 524, 2696-2710.	1.6	24
8	An Examination of Dynamic Gene Expression Changes in the Mouse Brain During Pregnancy and the Postpartum Period. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 221-233.	1.8	46
9	Fractionation-dependent improvements in proteome resolution in the mouse hippocampus by IEF LC-MS/MS. <i>Electrophoresis</i> , 2016, 37, 2054-2062.	2.4	3
10	Bioinformatic analysis reveals the expression of unique transcriptomic signatures in Zika virus infected human neural stem cells. <i>Cell and Bioscience</i> , 2016, 6, 42.	4.8	51
11	Differential effects of acellular embryonic matrices on pluripotent stem cell expansion and neural differentiation. <i>Biomaterials</i> , 2015, 73, 231-242.	11.4	69
12	A multi-resource data integration approach: identification of candidate genes regulating cell proliferation during neocortical development. <i>Frontiers in Neuroscience</i> , 2014, 8, 257.	2.8	18
13	An integrated approach to design novel therapeutic interventions for demyelinating disorders. <i>European Journal of Neuroscience</i> , 2012, 35, 1879-1886.	2.6	22
14	Cdk5rap2 exposes the centrosomal root of microcephaly syndromes. <i>Trends in Cell Biology</i> , 2011, 21, 470-480.	7.9	110
15	Identification of a Chr 11 quantitative trait locus that modulates proliferation in the rostral migratory stream of the adult mouse brain. <i>European Journal of Neuroscience</i> , 2010, 32, 523-537.	2.6	9
16	Genetics of the hippocampal transcriptome in mouse: a systematic survey and online neurogenomics resource. <i>Frontiers in Neuroscience</i> , 2009, 3, 55.	2.8	84
17	Unsupervised Selection of Highly Coexpressed and Noncoexpressed Genes Using a Consensus Clustering Approach. <i>OMICS A Journal of Integrative Biology</i> , 2009, 13, 219-237.	2.0	25
18	Distribution of EphA5 receptor protein in the developing and adult mouse nervous system. <i>Journal of Comparative Neurology</i> , 2009, 514, 310-328.	1.6	42

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19	Neocortical neurogenesis: morphogenetic gradients and beyond. <i>Trends in Neurosciences</i> , 2009, 32, 443-450.	8.6	77
20	Radiation, retardation and the developing brain: time is the crucial variable. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 97, 527-531.	1.5	18
21	Histogenetic Processes Leading to the Laminated Neocortex: Migration Is Only a Part of the Story. <i>Developmental Neuroscience</i> , 2008, 30, 82-95.	2.0	39
22	Navigating Neocortical Neurogenesis and Neuronal Specification: A Positional Information System Encoded by Neurogenetic Gradients. <i>Journal of Neuroscience</i> , 2007, 27, 10777-10784.	3.6	29
23	Stable neuron numbers from cradle to grave. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12219-12220.	7.1	56
24	Overexpression of p27Kip1, Probability of Cell Cycle Exit, and Laminal Destination of Neocortical Neurons. <i>Cerebral Cortex</i> , 2005, 15, 1343-1355.	2.9	91
25	Time course and sequence of pathological changes in the cerebellum of microsphere-embolized rats. <i>Experimental Neurology</i> , 2005, 191, 266-275.	4.1	9
26	The Collaborative Cross, a community resource for the genetic analysis of complex traits. <i>Nature Genetics</i> , 2004, 36, 1133-1137.	21.4	1,034
27	Fibroblast Growth Factor 2 Is Required for Maintaining the Neural Stem Cell Pool in the Mouse Brain Subventricular Zone. <i>Developmental Neuroscience</i> , 2004, 26, 181-196.	2.0	172
28	Neural Stem Cells: A Perspective and Synopsis of the Current Status. <i>Developmental Neuroscience</i> , 2004, 26, 81-81.	2.0	0
29	Rapid appearance of pathological changes of neurons and glia cells in the cerebellum of microsphere-embolized rats. <i>Brain Research</i> , 2003, 978, 228-232.	2.2	8
30	The nature and identification of quantitative trait loci: a community's view. <i>Nature Reviews Genetics</i> , 2003, 4, 911-916.	16.3	390
31	Cell Output, Cell Cycle Duration and Neuronal Specification: a Model of Integrated Mechanisms of the Neocortical Proliferative Process. <i>Cerebral Cortex</i> , 2003, 13, 592-598.	2.9	170
32	Population Dynamics During Cell Proliferation and Neuronogenesis in the Developing Murine Neocortex. <i>Results and Problems in Cell Differentiation</i> , 2002, 39, 1-25.	0.7	59
33	Spatiotemporal Features of Early Neuronogenesis Differ in Wild-Type and Albino Mouse Retina. <i>Journal of Neuroscience</i> , 2002, 22, 4249-4263.	3.6	105
34	Dynamics of cell proliferation in the adult dentate gyrus of two inbred strains of mice. <i>Developmental Brain Research</i> , 2002, 134, 77-85.	1.7	178
35	Developmental regulation of the effects of fibroblast growth factor-2 and 1- α -25(OH)D ₃ on neurogenesis: Implications for a hypothesis relating to mitogen-antimitogen opposition. <i>Journal of Neuroscience Research</i> , 2002, 69, 714-722.	2.9	15
36	Size distribution of retrovirally marked lineages matches prediction from population measurements of cell cycle behavior. <i>Journal of Neuroscience Research</i> , 2002, 69, 731-744.	2.9	58

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37	Stem Cells The Promises and Pitfalls. <i>Neuropsychopharmacology</i> , 2001, 25, 799-804.	5.4	26
38	Targeted mutagenesis of <i>Lis1</i> disrupts cortical development and LIS1 homodimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 6429-6434.	7.1	139
39	Neocortical malformation as consequence of nonadaptive regulation of neuronogenetic sequence. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2000, 6, 22-33.	3.6	17
40	Independent Controls for Neocortical Neuron Production and Histogenetic Cell Death. <i>Developmental Neuroscience</i> , 2000, 22, 125-138.	2.0	91
41	Role of Founder Cell Deficit and Delayed Neuronogenesis in Microencephaly of the Trisomy 16 Mouse. <i>Journal of Neuroscience</i> , 2000, 20, 4156-4164.	3.6	82
42	Exploiting the Dynamics of S-Phase Tracers in Developing Brain: Interkinetic Nuclear Migration for Cells Entering versus Leaving the S-Phase. <i>Developmental Neuroscience</i> , 2000, 22, 44-55.	2.0	136
43	New Neurons: Extraordinary Evidence or Extraordinary Conclusion?. <i>Science</i> , 2000, 288, 771a-771.	12.6	99
44	Reply. <i>Trends in Neurosciences</i> , 2000, 23, 408-409.	8.6	4
45	Cell birth, cell death, cell diversity and DNA breaks: how do they all fit together?. <i>Trends in Neurosciences</i> , 2000, 23, 100-105.	8.6	97
46	Sequence of Neuron Origin and Neocortical Lamina Fate: Relation to Cell Cycle of Origin in the Developing Murine Cerebral Wall. <i>Journal of Neuroscience</i> , 1999, 19, 10357-10371.	3.6	294
47	Review : Cell Cycle as Operational Unit of Neocortical Neuronogenesis. <i>Neuroscientist</i> , 1999, 5, 155-163.	3.5	6
48	The G1 restriction point as critical regulator of neocortical neuronogenesis. <i>Neurochemical Research</i> , 1999, 24, 497-506.	3.3	36
49	CNS development: An overview. <i>Development and Psychopathology</i> , 1999, 11, 395-417.	2.3	71
50	Cerebellar microfolia and other abnormalities of neuronal growth, migration, and lamination in the <i>Pit1</i> homozygote mutant mouse. , 1998, 400, 363-374.		5
51	Postembryonic neuronogenesis in the procerbrum of the terrestrial snail, <i>Helix lucorum</i> L. , 1998, 35, 271-276.		40
52	The Mathematics of Neocortical Neuronogenesis. <i>Developmental Neuroscience</i> , 1997, 19, 17-22.	2.0	57
53	A gradient in the duration of the G1 phase in the murine neocortical proliferative epithelium. <i>Cerebral Cortex</i> , 1997, 7, 678-689.	2.9	104
54	Local Homogeneity of Cell Cycle Length in Developing Mouse Cortex. <i>Journal of Neuroscience</i> , 1997, 17, 2079-2087.	3.6	76

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55	Synchrony of Clonal Cell Proliferation and Contiguity of Clonally Related Cells: Production of Mosaicism in the Ventricular Zone of Developing Mouse Neocortex. <i>Journal of Neuroscience</i> , 1997, 17, 2088-2100.	3.6	57
56	Regulation of Normal Proliferation in the Developing Cerebrum Potential Actions of Trophic Factors. <i>Experimental Neurology</i> , 1996, 137, 357-366.	4.1	10
57	Interkinetic and Migratory Behavior of a Cohort of Neocortical Neurons Arising in the Early Embryonic Murine Cerebral Wall. <i>Journal of Neuroscience</i> , 1996, 16, 5762-5776.	3.6	104
58	The Leaving or Q Fraction of the Murine Cerebral Proliferative Epithelium: A General Model of Neocortical Neuronogenesis. <i>Journal of Neuroscience</i> , 1996, 16, 6183-6196.	3.6	311
59	The abnormal distribution of mossy fiber bundles and morphological abnormalities in hippocampal formation of dreherJ (drJdrJ) mouse. <i>Developmental Brain Research</i> , 1996, 92, 31-38.	1.7	13
60	Morphological abnormalities in the hippocampus of the weaver mutant mouse. <i>Brain Research</i> , 1995, 696, 262-267.	2.2	45
61	Early ontogeny of the secondary proliferative population of the embryonic murine cerebral wall. <i>Journal of Neuroscience</i> , 1995, 15, 6058-6068.	3.6	197
62	An Immortalized Mouse Neuroepithelial Cell Line with Neuronal and Glial Phenotypes. <i>Developmental Neuroscience</i> , 1995, 17, 311-323.	2.0	13
63	The cell cycle of the pseudostratified ventricular epithelium of the embryonic murine cerebral wall. <i>Journal of Neuroscience</i> , 1995, 15, 6046-6057.	3.6	631
64	Numbers, time and neocortical neuronogenesis: a general developmental and evolutionary model. <i>Trends in Neurosciences</i> , 1995, 18, 379-383.	8.6	537
65	Morphology and distribution of astrocytes in the molecular layer of the dentate gyrus in NZB/BLNj, dreher, and C57BL/6J mice. <i>Glia</i> , 1994, 10, 1-9.	4.9	9
66	Disruption of neuronal migration in the neocortex of the dreher mutant mouse. <i>Developmental Brain Research</i> , 1994, 77, 37-43.	1.7	22
67	Mode of cell proliferation in the developing mouse neocortex.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 375-379.	7.1	147
68	Abnormal distribution of acetylcholinesterase activity in the hippocampal formation of the dreher mutant mouse. <i>Brain Research</i> , 1993, 622, 203-210.	2.2	6
69	Cell cycle parameters and patterns of nuclear movement in the neocortical proliferative zone of the fetal mouse. <i>Journal of Neuroscience</i> , 1993, 13, 820-833.	3.6	307
70	Cytoarchitectonic abnormalities in hippocampal formation and cerebellum of dreher mutant mouse. <i>Developmental Brain Research</i> , 1992, 67, 105-112.	1.7	31
71	Competitive interactions during dendritic growth: a simple stochastic growth algorithm. <i>Brain Research</i> , 1992, 576, 152-156.	2.2	36
72	BUdR as an S-phase marker for quantitative studies of cytokinetic behaviour in the murine cerebral ventricular zone. <i>Journal of Neurocytology</i> , 1992, 21, 185-197.	1.5	238

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73	Abnormalities of foliation and neuronal position in the cerebellum of NZB/BINJ mouse. <i>Developmental Brain Research</i> , 1991, 64, 189-195.	1.7	7
74	Left out axons make men right: A hypothesis for the origin of handedness and functional asymmetry. <i>Neuropsychologia</i> , 1991, 29, 327-333.	1.6	212
75	Glial cell differentiation in neuron-free and neuron-rich regions. <i>Anatomy and Embryology</i> , 1991, 184, 549-558.	1.5	22
76	Glial cell differentiation in neuron-free and neuron-rich regions. <i>Anatomy and Embryology</i> , 1991, 184, 559-569.	1.5	25
77	Effect of Prenatal Exposure to Ethanol on the Cell Cycle Kinetics and Growth Fraction in the Proliferative Zones of Fetal Rat Cerebral Cortex. <i>Alcoholism: Clinical and Experimental Research</i> , 1991, 15, 229-232.	2.4	167
78	Neuronal Migration and Differentiation during Normal and Genetically Perturbed Development of the Hippocampal Formation. , 1991, , 29-60.		3
79	Heterozygote Effects in Dreher Mice. <i>Journal of Neurogenetics</i> , 1990, 6, 173-181.	1.4	10
80	Bromodeoxyuridine immunohistochemical determination of the lengths of the cell cycle and the DNA-synthetic phase for an anatomically defined population. <i>Journal of Neurocytology</i> , 1989, 18, 311-318.	1.5	687
81	Use of bromodeoxyuridine-immunohistochemistry to examine the proliferation, migration and time of origin of cells in the central nervous system. <i>Brain Research</i> , 1988, 457, 44-52.	2.2	570
82	Genetic factors and the measurement of exploratory activity. <i>Behavioral and Neural Biology</i> , 1987, 48, 90-103.	2.2	48
83	Dendritic arbors and dendritic excrescences of abnormally positioned neurons in area CA3c of mice carrying the mutation "Hippocampal lamination defect". <i>Journal of Comparative Neurology</i> , 1985, 239, 267-275.	1.6	31
84	Neuronal Migration in the Hippocampal Lamination Defect (Hld) Mutant Mouse. , 1985, , 133-154.		2
85	The Mode of Inheritance of a Defect in Lamination in the Hippocampus of BALB/c Mice. <i>Journal of Neurogenetics</i> , 1984, 1, 249-258.	1.4	46
86	The time of origin of neurons in the hippocampal region of the rhesus monkey. <i>Journal of Comparative Neurology</i> , 1981, 196, 99-128.	1.6	289
87	The site of origin and route and rate of migration of neurons to the hippocampal region of the rhesus monkey. <i>Journal of Comparative Neurology</i> , 1981, 196, 129-154.	1.6	213
88	The mode of migration of neurons to the hippocampus: a Golgi and electron microscopic analysis in foetal rhesus monkey. <i>Journal of Neurocytology</i> , 1979, 8, 697-718.	1.5	164
89	The correlation of the time of origin of neurons with their axonal projection: the combined use of [3H]thymidine autoradiography and horseradish peroxidase histochemistry. <i>Brain Research</i> , 1975, 99, 343-348.	2.2	19
90	CLEARANCE RATE OF EXOGENOUS 3H-THYMIDINE FROM THE PLASMA OF PREGNANT RHESUS MONKEYS. <i>Cell Proliferation</i> , 1974, 7, 189-194.	5.3	18

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91	Holoprosencephaly and microcephaly vera: perturbations of proliferation. , 0, , 37-54.		0