Glenn D Rosen

List of Publications by Year
in descending order

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110 papers	9,024 citations	57758 44 h-index	42399 92 g-index
111 all docs	111 docs citations	111 times ranked	9590 citing authors

#	Article	IF	Citations
1	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
2	Morphometric changes in subcortical structures of the central auditory pathway in mice with bilateral nodular heterotopia. Behavioural Brain Research, 2015, 282, 61-69.	2.2	3
3	A Comparison of Three Electrophysiological Methods for the Assessment of Disease Status in a Mild Spinal Muscular Atrophy Mouse Model. PLoS ONE, 2014, 9, e111428.	2.5	27
4	Differential seizure response in two models of cortical heterotopia. Brain Research, 2013, 1494, 84-90.	2.2	11
5	The effects of Kiaa0319 knockdown on cortical and subcortical anatomy in male rats. International Journal of Developmental Neuroscience, 2013, 31, 116-122.	1.6	25
6	Knockdown of the Candidate Dyslexia Susceptibility Gene Homolog Dyx1c1 in Rodents: Effects on Auditory Processing, Visual Attention, and Cortical and Thalamic Anatomy. Developmental Neuroscience, 2013, 35, 50-68.	2.0	30
7	Position of Neocortical Neurons Transfected at Different Gestational Ages with shRNA Targeted against Candidate Dyslexia Susceptibility Genes. PLoS ONE, 2013, 8, e65179.	2.5	22
8	A Behavioral Evaluation of Sex Differences in a Mouse Model of Severe Neuronal Migration Disorder. PLoS ONE, 2013, 8, e73144.	2.5	10
9	Genetic architecture supports mosaic brain evolution and independent brainâ€“body size regulation. Nature Communications, 2012, 3, 1079.	12.8	103
10	Neocortical disruption and behavioral impairments in rats following in utero RNAi of candidate dyslexia risk gene Kiaa0319. International Journal of Developmental Neuroscience, 2012, 30, 293-302.	1.6	62
11	Effects of test experience and neocortical microgyria on spatial and non-spatial learning in rats. Behavioural Brain Research, 2012, 235, 130-135.	2.2	7
12	Genetic, Morphometric, and Behavioral Factors Linked to the Midsagittal Area of the Corpus Callosum. Frontiers in Genetics, 2012, 3, 91.	2.3	13
13	Systems Genetics of the Lateral Septal Nucleus in Mouse: Heritability, Genetic Control, and Covariation with Behavioral and Morphological Traits. PLoS ONE, 2012, 7, e44236.	2.5	15
14	Global exploratory analysis of massive neuroimaging collections using Microsoft Silverlight PivotViewer. , 2011, , .		2
15	Developing Neocortex Organization and Connectivity in Cats Revealed by Direct Correlation of Diffusion Tractography and Histology. Cerebral Cortex, 2011, 21, 200-211.	2.9	68
16	Female-biased expression of long non-coding RNAs in domains that escape X-inactivation in mouse. BMC Genomics, 2010, 11, 614.	2.8	77
17	The Effect of Variation in Expression of the Candidate Dyslexia Susceptibility Gene Homolog Kiaa0319 on Neuronal Migration and Dendritic Morphology in the Rat. Cerebral Cortex, 2010, 20, 884-897.	2.9	67
18	Development of cerebral fiber pathways in cats revealed by diffusion spectrum imaging. NeuroImage, 2010, 49, 1231-1240.	4.2	68

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19	Genetics of the hippocampal transcriptome in mouse: a systematic survey and online neurogenomics resource. Frontiers in Neuroscience, 2009, 3, 55.	2.8	84
20	The genetic control of neocortex volume and covariation with neocortical gene expression in mice. BMC Neuroscience, 2009, 10, 44.	1.9	33
21	Developmental learning impairments in a rodent model of nodular heterotopia. Journal of Neurodevelopmental Disorders, 2009, 1, 237-250.	3.1	15
22	Enhancement of histological volumes through averaging and their use for the analysis of magnetic resonance images. Magnetic Resonance Imaging, 2009, 27, 401-416.	1.8	13
23	Early acoustic discrimination experience ameliorates auditory processing deficits in male rats with cortical developmental disruption. International Journal of Developmental Neuroscience, 2009, 27, 321-328.	1.6	28
24	Optical disector counting in cryosections and vibratome sections underestimates particle numbers: Effects of tissue quality. Microscopy Research and Technique, 2008, 71, 60-68.	2.2	28
25	Persistent spatial working memory deficits in rats with bilateral cortical microgyria. Behavioral and Brain Functions, 2008, 4, 45.	3.3	10
26	Detection of silent gaps in white noise following cortical deactivation in rats. NeuroReport, 2008, 19, 893-898.	1.2	44
27	Developmental disruptions and behavioral impairments in rats following in utero RNAi of Dyx1c1. Brain Research Bulletin, 2007, 71, 508-514.	3.0	94
28	Ambient particulate matter induces alveolar epithelial cell cycle arrest: Role of G1 cyclins. FEBS Letters, 2007, 581, 5315-5320.	2.8	29
29	Disruption of Neuronal Migration by RNAi of Dyx1c1 Results in Neocortical and Hippocampal Malformations. Cerebral Cortex, 2007, 17, 2562-2572.	2.9	86
30	Age at developmental cortical injury differentially Alters corpus callosum volume in the rat. BMC Neuroscience, 2007, 8, 94.	1.9	9
31	An Informatics Approach to Systems Neurogenetics. Methods in Molecular Biology, 2007, 401, 287-303.	0.9	24
32	Rapid auditory processing and learning deficits in rats with P1 versus P7 neonatal hypoxic-ischemic injury. Behavioural Brain Research, 2006, 172, 114-121.	2.2	21
33	Independent quantitative trait loci influence ventral and dorsal hippocampal volume in recombinant inbred strains of mice. Genes, Brain and Behavior, 2006, 5, 614-623.	2.2	18
34	From genes to behavior in developmental dyslexia. Nature Neuroscience, 2006, 9, 1213-1217.	14.8	291
35	How replicable are mRNA expression QTL?. Mammalian Genome, 2006, 17, 643-656.	2.2	56
36	Developmental timeframes for induction of microgyria and rapid auditory processing deficits in the rat. Brain Research, 2006, 1109, 22-31.	2.2	24

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37	Auditory processing deficits in unilaterally and bilaterally injured hypoxicâ€“ischemic rats. NeuroReport, 2005, 16, 1309-1312.	1.2	17
38	Purkinje cell loss accompanies motor impairment in rats developing at altered gravity. NeuroReport, 2005, 16, 2037-2040.	1.2	28
39	Auditory processing deficits in rats with neonatal hypoxicâ€ischemic injury. International Journal of Developmental Neuroscience, 2005, 23, 351-362.	1.6	36
40	The Collaborative Cross, a community resource for the genetic analysis of complex traits. Nature Genetics, 2004, 36, 1133-1137.	21.4	1,034
41	Surface Alignment of an Elastic Body Using a Multiresolution Wavelet Representation. IEEE Transactions on Biomedical Engineering, 2004, 51, 1230-1241.	4.2	20
42	Sex differences in rapid auditory processing deficits in microgyric rats. Developmental Brain Research, 2004, 148, 53-57.	1.7	32
43	Impaired gap detection in juvenile microgyric rats. Developmental Brain Research, 2004, 152, 93-98.	1.7	33
44	Severity of focal microgyria and associated rapid auditory processing deficits. NeuroReport, 2004, 15, 1923-1926.	1.2	16
45	Towards Effective and Rewarding Data Sharing. Neuroinformatics, 2003, 1, 289-296.	2.8	78
46	Informatics Center for Mouse Genomics: The Dissection of Complex Traits of the Nervous System. Neuroinformatics, 2003, 1, 327-342.	2.8	47
47	Brain weight differences associated with induced focal microgyria. BMC Neuroscience, 2003, 4, 12.	1.9	9
48	Quantitative trait loci modulate ventricular size in the mouse brain. Journal of Comparative Neurology, 2003, 461, 362-369.	1.6	25
49	Differential tissue shrinkage and compression in the z-axis: implications for optical disector counting in vibratome-, plastic- and cryosections. Journal of Neuroscience Methods, 2003, 124, 45-59.	2.5	127
50	The nature and identification of quantitative trait loci: a community's view. Nature Reviews Genetics, 2003, 4, 911-916.	16.3	390
51	Counting Cells in Sectioned Material: A Suite of Techniques, Tools, and Tips. Current Protocols in Neuroscience, 2003, 24, Unit 1.11.	2.6	27
52	Genetic Control of Interconnected Neuronal Populations in the Mouse Primary Visual System. Journal of Neuroscience, 2003, 23, 11178-11188.	3.6	64
53	Sex differences in rapid auditory processing deficits in ectopic BXSB/MpJ mice. NeuroReport, 2002, 13, 2277-2280.	1.2	29
54	PG490-88, a derivative of triptolide, attenuates obliterative airway disease in a mouse heterotopic tracheal allograft model. Journal of Heart and Lung Transplantation, 2002, 21, 1314-1318.	0.6	23

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55	Rapid auditory processing and MGN morphology in microgyric rats reared in varied acoustic environments. Developmental Brain Research, 2002, 138, 187-193.	1.7	27
56	PG490-88, a Derivative of Triptolide, Blocks Bleomycin-Induced Lung Fibrosis. American Journal of Pathology, 2001, 158, 997-1004.	3.8	71
57	Impaired detection of variable duration embedded tones in ectopic NZB/BINJ mice. NeuroReport, 2001, 12, 2875-2879.	1.2	28
58	Models of temporal processing and language development. Clinical Neuroscience Research, 2001, 1, 230-237.	0.8	3
59	Complex trait analysis of the mouse striatum: independent QTLs modulate volume and neuron number. BMC Neuroscience, 2001, 2, 5.	1.9	74
60	Triptolide and Chemotherapy Cooperate in Tumor Cell Apoptosis. Journal of Biological Chemistry, 2001, 276, 2221-2227.	3.4	147
61	Changes in efferent and afferent connectivity in rats with induced cerebrocortical microgyria. , 2000, 418, 423-440.		89
62	Impaired two-tone processing at rapid rates in male rats with induced microgyria. Brain Research, 2000, 871, 94-97.	2.2	22
63	Impaired Processing of Complex Auditory Stimuli in Rats with Induced Cerebrocortical Microgyria: An Animal Model of Developmental Language Disabilities. Journal of Cognitive Neuroscience, 2000, 12, 828-839.	2.3	56
64	Single cause, polymorphic neuronal migration disorders: an animal model. Developmental Medicine and Child Neurology, 2000, 42, 652-662.	2.1	2
65	Single cause, polymorphic neuronal migration disorders: an animal model. Developmental Medicine and Child Neurology, 2000, 42, 652-662.	2.1	23
66	PG490 (Triptolide) Cooperates with Tumor Necrosis Factor-Î± to Induce Apoptosis in Tumor Cells. Journal of Biological Chemistry, 1999, 274, 13451-13455.	3.4	177
67	Neuronal asymmetries in primary visual cortex of dyslexic and nondyslexic brains. Annals of Neurology, 1999, 46, 189-196.	5.3	64
68	Loss of STAT1 expression confers resistance to IFN-Î³-induced apoptosis in ME180 cells. FEBS Letters, 1999, 459, 323-326.	2.8	38
69	Chapter 2 Animal models of developmental dyslexia: Lessons from developmental and cognitive neuroscience. Advances in Psychology, 1998, 125, 53-105.	0.1	1
70	Cleavage of Focal Adhesion Kinase by Caspases during Apoptosis. Journal of Biological Chemistry, 1997, 272, 26056-26061.	3.4	301
71	MRI visualization of focal induced neocortical malformations of the rat. NeuroReport, 1997, 8, 3883-3887.	1.2	2
72	Effects of sex and MK-801 on auditory-processing deficits associated with developmental microgyric lesions in rats.. Behavioral Neuroscience, 1997, 111, 404-412.	1.2	68

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73	RAPAMYCIN INHIBITS DEVELOPMENT OF OBLITERATIVE AIRWAY DISEASE IN A MURINE HETEROTOPIC AIRWAY TRANSPLANT MODEL1. Transplantation, 1997, 63, 533-537.	1.0	50
74	Birthdates of neurons in induced microgyria. Brain Research, 1996, 727, 71-78.	2.2	33
75	Cellular, Morphometric, Ontogenetic and Connectional Substrates of Anatomical Asymmetry. Neuroscience and Biobehavioral Reviews, 1996, 20, 607-615.	6.1	50
76	Neocortical Ectopias in BXSB Mice: Effects upon Reference and Working Memory Systems. Cerebral Cortex, 1996, 6, 696-700.	2.9	33
77	Behavioral consequences of neonatal injury of the neocortex. Brain Research, 1995, 681, 177-189.	2.2	43
78	Radial glia in the neocortex of adult rats: effects of neonatal brain injury. Developmental Brain Research, 1994, 82, 127-135.	1.7	42
79	Biological substrates of anatomic asymmetry. Progress in Neurobiology, 1992, 39, 507-515.	5.7	19
80	A behavior profile of the MRLMp lprlpr mouse and its association with hydrocephalus. Brain, Behavior, and Immunity, 1992, 6, 40-49.	4.1	40
81	Environmental enrichment, neocortical ectopias, and behavior in the autoimmune NZB mouse. Developmental Brain Research, 1992, 67, 85-93.	1.7	54
82	The organization of radial glial fibers in spontaneous neocortical ectopias of newborn New Zealand black mice. Developmental Brain Research, 1992, 67, 279-283.	1.7	30
83	Induction of molecular layer ectopias by puncture wounds in newborn rats and mice. Developmental Brain Research, 1992, 67, 285-291.	1.7	45
84	Lashley maze learning deficits in NZB mice. Physiology and Behavior, 1992, 52, 1085-1089.	2.1	16
85	Behavior, ectopias and immunity in BD/DB reciprocal crosses. Brain Research, 1992, 571, 323-329.	2.2	31
86	Spatial learning, discrimination learning, paw preference and neocortical ectopias in two autoimmune strains of mice. Brain Research, 1991, 562, 98-104.	2.2	87
87	Effects of the autoimmune uterine/maternal environment upon cortical ectopias, behavior and autoimmunity. Brain Research, 1991, 563, 114-122.	2.2	79
88	Cerebrocortical Asymmetry. Cerebral Cortex, 1991, , 263-277.	0.6	2
89	Individual variability in cortical organization: Its relationship to brain laterality and implications to function. Neuropsychologia, 1990, 28, 529-546.	1.6	248
90	Brain volume estimation from serial section measurements: a comparison of methodologies. Journal of Neuroscience Methods, 1990, 35, 115-124.	2.5	212

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91	The midsagittal area of the corpus callosum and total neocortical volume differ in three inbred strains of mice. Experimental Neurology, 1990, 107, 271-276.	4.1	9
92	Abnormal architecture and connections disclosed by neurofilament staining in the cerebral cortex of autoimmune mice. Brain Research, 1990, 529, 202-207.	2.2	47
93	Brain abnormalities in immune defective mice. Brain Research, 1990, 532, 25-33.	2.2	110
94	Neocortical VIP neurons are increased in the hemisphere containing focal cerebrocortical microdysgenesis in New Zealand Black mice. Brain Research, 1990, 532, 232-236.	2.2	21
95	The Effect of Developmental Neuropathology on Neocortical Asymmetry in New Zealand Black Mice. International Journal of Neuroscience, 1989, 45, 247-254.	1.6	26
96	Cerebrocortical Microdysgenesis with Anomalous Callosal Connections: A Case Study in the Rat. International Journal of Neuroscience, 1989, 47, 237-247.	1.6	22
97	Neuroanatomical Findings in Developmental Dyslexia. , 1989, , 3-15.		7
98	Neocortical anomalies in autoimmune mice: A model for the developmental neuropathology seen in the dyslexic brain. Drug Development Research, 1988, 15, 307-314.	2.9	12
99	Planum temporale asymmetry, reappraisal since Geschwind and Levitsky. Neuropsychologia, 1987, 25, 853-868.	1.6	334
100	Mechanisms of Brain Asymmetry: New Evidence and Hypotheses. , 1987, , 29-36.		3
101	Mechanisms of Brain Asymmetry: New Evidence and Hypotheses. , 1987, , 29-36.		3
102	Developmental dyslexia: Four consecutive patients with cortical anomalies. Annals of Neurology, 1985, 18, 222-233.	5.3	1,259
103	Neurochemical asymmetries in the albino rat's cortex, striatum, and nucleus accumbens. Life Sciences, 1984, 34, 1143-1148.	4.3	80
104	Neonatal tail posture and its relationship to striatal dopamine asymmetry in the rat. Brain Research, 1984, 297, 305-308.	2.2	22
105	Laterization of spatial preference in the female rat. Life Sciences, 1983, 33, 189-193.	4.3	52
106	Prenatal testosterone causes shift of asymmetry in neonatal tail posture of the rat. Developmental Brain Research, 1983, 9, 99-101.	1.7	55
107	Neonatal postural asymmetry and sex differences in the rat. Developmental Brain Research, 1981, 2, 417-419.	1.7	51
108	Stimulation in infancy facilitates interhemispheric communication in the rabbit. Developmental Brain Research, 1981, 1, 165-169.	1.7	29

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109	Brain and behavioral asymmetries for spatial preference in rats. Brain Research, 1980, 192, 61-67.	2.2	195
110	Handling in infancy, taste aversion, and brain laterality in rats. Brain Research, 1980, 200, 123-133.	2.2	56