

# 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	Developmental dyslexia: Four consecutive patients with cortical anomalies. <i>Annals of Neurology</i> , 1985, 18, 222-233.	5.3	1,259
2	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
3	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	27.8	772
4	The nature and identification of quantitative trait loci: a community's view. <i>Nature Reviews Genetics</i> , 2003, 4, 911-916.	16.3	390
5	Planum temporale asymmetry, reappraisal since Geschwind and Levitsky. <i>Neuropsychologia</i> , 1987, 25, 853-868.	1.6	334
6	Cleavage of Focal Adhesion Kinase by Caspases during Apoptosis. <i>Journal of Biological Chemistry</i> , 1997, 272, 26056-26061.	3.4	301
7	From genes to behavior in developmental dyslexia. <i>Nature Neuroscience</i> , 2006, 9, 1213-1217.	14.8	291
8	Individual variability in cortical organization: Its relationship to brain laterality and implications to function. <i>Neuropsychologia</i> , 1990, 28, 529-546.	1.6	248
9	Brain volume estimation from serial section measurements: a comparison of methodologies. <i>Journal of Neuroscience Methods</i> , 1990, 35, 115-124.	2.5	212
10	Brain and behavioral asymmetries for spatial preference in rats. <i>Brain Research</i> , 1980, 192, 61-67.	2.2	195
11	PG490 (Triptolide) Cooperates with Tumor Necrosis Factor- $\alpha$ to Induce Apoptosis in Tumor Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 13451-13455.	3.4	177
12	Triptolide and Chemotherapy Cooperate in Tumor Cell Apoptosis. <i>Journal of Biological Chemistry</i> , 2001, 276, 2221-2227.	3.4	147
13	Differential tissue shrinkage and compression in the z-axis: implications for optical disector counting in vibratome-, plastic- and cryosections. <i>Journal of Neuroscience Methods</i> , 2003, 124, 45-59.	2.5	127
14	Brain abnormalities in immune defective mice. <i>Brain Research</i> , 1990, 532, 25-33.	2.2	110
15	Genetic architecture supports mosaic brain evolution and independent brain-body size regulation. <i>Nature Communications</i> , 2012, 3, 1079.	12.8	103
16	Developmental disruptions and behavioral impairments in rats following in utero RNAi of <i>Dyx1c1</i> . <i>Brain Research Bulletin</i> , 2007, 71, 508-514.	3.0	94
17	Changes in efferent and afferent connectivity in rats with induced cerebrocortical microgyria. , 2000, 418, 423-440.		89
18	Spatial learning, discrimination learning, paw preference and neocortical ectopias in two autoimmune strains of mice. <i>Brain Research</i> , 1991, 562, 98-104.	2.2	87

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19	Disruption of Neuronal Migration by RNAi of <i>Dyx1c1</i> Results in Neocortical and Hippocampal Malformations. <i>Cerebral Cortex</i> , 2007, 17, 2562-2572.	2.9	86
20	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
21	Neurochemical asymmetries in the albino rat's cortex, striatum, and nucleus accumbens. <i>Life Sciences</i> , 1984, 34, 1143-1148.	4.3	80
22	Effects of the autoimmune uterine/maternal environment upon cortical ectopias, behavior and autoimmunity. <i>Brain Research</i> , 1991, 563, 114-122.	2.2	79
23	Towards Effective and Rewarding Data Sharing. <i>Neuroinformatics</i> , 2003, 1, 289-296.	2.8	78
24	Female-biased expression of long non-coding RNAs in domains that escape X-inactivation in mouse. <i>BMC Genomics</i> , 2010, 11, 614.	2.8	77
25	Complex trait analysis of the mouse striatum: independent QTLs modulate volume and neuron number. <i>BMC Neuroscience</i> , 2001, 2, 5.	1.9	74
26	PG490-88, a Derivative of Triptolide, Blocks Bleomycin-Induced Lung Fibrosis. <i>American Journal of Pathology</i> , 2001, 158, 997-1004.	3.8	71
27	Effects of sex and MK-801 on auditory-processing deficits associated with developmental microgyric lesions in rats. <i>Behavioral Neuroscience</i> , 1997, 111, 404-412.	1.2	68
28	Development of cerebral fiber pathways in cats revealed by diffusion spectrum imaging. <i>NeuroImage</i> , 2010, 49, 1231-1240.	4.2	68
29	Developing Neocortex Organization and Connectivity in Cats Revealed by Direct Correlation of Diffusion Tractography and Histology. <i>Cerebral Cortex</i> , 2011, 21, 200-211.	2.9	68
30	The Effect of Variation in Expression of the Candidate Dyslexia Susceptibility Gene Homolog <i>Kiaa0319</i> on Neuronal Migration and Dendritic Morphology in the Rat. <i>Cerebral Cortex</i> , 2010, 20, 884-897.	2.9	67
31	Neuronal asymmetries in primary visual cortex of dyslexic and nondyslexic brains. <i>Annals of Neurology</i> , 1999, 46, 189-196.	5.3	64
32	Genetic Control of Interconnected Neuronal Populations in the Mouse Primary Visual System. <i>Journal of Neuroscience</i> , 2003, 23, 11178-11188.	3.6	64
33	Neocortical disruption and behavioral impairments in rats following <i>in utero</i> RNAi of candidate dyslexia risk gene <i>Kiaa0319</i> . <i>International Journal of Developmental Neuroscience</i> , 2012, 30, 293-302.	1.6	62
34	Handling in infancy, taste aversion, and brain laterality in rats. <i>Brain Research</i> , 1980, 200, 123-133.	2.2	56
35	Impaired Processing of Complex Auditory Stimuli in Rats with Induced Cerebrocortical Microgyria: An Animal Model of Developmental Language Disabilities. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 828-839.	2.3	56
36	How replicable are mRNA expression QTL?. <i>Mammalian Genome</i> , 2006, 17, 643-656.	2.2	56

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37	Prenatal testosterone causes shift of asymmetry in neonatal tail posture of the rat. <i>Developmental Brain Research</i> , 1983, 9, 99-101.	1.7	55
38	Environmental enrichment, neocortical ectopias, and behavior in the autoimmune NZB mouse. <i>Developmental Brain Research</i> , 1992, 67, 85-93.	1.7	54
39	Laterization of spatial preference in the female rat. <i>Life Sciences</i> , 1983, 33, 189-193.	4.3	52
40	Neonatal postural asymmetry and sex differences in the rat. <i>Developmental Brain Research</i> , 1981, 2, 417-419.	1.7	51
41	Cellular, Morphometric, Ontogenetic and Connectional Substrates of Anatomical Asymmetry. <i>Neuroscience and Biobehavioral Reviews</i> , 1996, 20, 607-615.	6.1	50
42	RAPAMYCIN INHIBITS DEVELOPMENT OF OBLITERATIVE AIRWAY DISEASE IN A MURINE HETEROTOPIC AIRWAY TRANSPLANT MODEL1. <i>Transplantation</i> , 1997, 63, 533-537.	1.0	50
43	Abnormal architecture and connections disclosed by neurofilament staining in the cerebral cortex of autoimmune mice. <i>Brain Research</i> , 1990, 529, 202-207.	2.2	47
44	Informatics Center for Mouse Genomics: The Dissection of Complex Traits of the Nervous System. <i>Neuroinformatics</i> , 2003, 1, 327-342.	2.8	47
45	Induction of molecular layer ectopias by puncture wounds in newborn rats and mice. <i>Developmental Brain Research</i> , 1992, 67, 285-291.	1.7	45
46	Detection of silent gaps in white noise following cortical deactivation in rats. <i>NeuroReport</i> , 2008, 19, 893-898.	1.2	44
47	Behavioral consequences of neonatal injury of the neocortex. <i>Brain Research</i> , 1995, 681, 177-189.	2.2	43
48	Radial glia in the neocortex of adult rats: effects of neonatal brain injury. <i>Developmental Brain Research</i> , 1994, 82, 127-135.	1.7	42
49	A behavior profile of the MRLMp lprlpr mouse and its association with hydrocephalus. <i>Brain, Behavior, and Immunity</i> , 1992, 6, 40-49.	4.1	40
50	Loss of STAT1 expression confers resistance to IFN- $\beta$ -induced apoptosis in ME180 cells. <i>FEBS Letters</i> , 1999, 459, 323-326.	2.8	38
51	Auditory processing deficits in rats with neonatal hypoxic-ischemic injury. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 351-362.	1.6	36
52	Birthdates of neurons in induced microgyria. <i>Brain Research</i> , 1996, 727, 71-78.	2.2	33
53	Neocortical Ectopias in BXSb Mice: Effects upon Reference and Working Memory Systems. <i>Cerebral Cortex</i> , 1996, 6, 696-700.	2.9	33
54	Impaired gap detection in juvenile microgyric rats. <i>Developmental Brain Research</i> , 2004, 152, 93-98.	1.7	33

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55	The genetic control of neocortex volume and covariation with neocortical gene expression in mice. <i>BMC Neuroscience</i> , 2009, 10, 44.	1.9	33
56	Sex differences in rapid auditory processing deficits in microgyric rats. <i>Developmental Brain Research</i> , 2004, 148, 53-57.	1.7	32
57	Behavior, ectopias and immunity in BD/DB reciprocal crosses. <i>Brain Research</i> , 1992, 571, 323-329.	2.2	31
58	The organization of radial glial fibers in spontaneous neocortical ectopias of newborn New Zealand black mice. <i>Developmental Brain Research</i> , 1992, 67, 279-283.	1.7	30
59	Knockdown of the Candidate Dyslexia Susceptibility Gene Homolog <i>Dyx1c1</i> in Rodents: Effects on Auditory Processing, Visual Attention, and Cortical and Thalamic Anatomy. <i>Developmental Neuroscience</i> , 2013, 35, 50-68.	2.0	30
60	Stimulation in infancy facilitates interhemispheric communication in the rabbit. <i>Developmental Brain Research</i> , 1981, 1, 165-169.	1.7	29
61	Sex differences in rapid auditory processing deficits in ectopic BXSJ/Mpj mice. <i>NeuroReport</i> , 2002, 13, 2277-2280.	1.2	29
62	Ambient particulate matter induces alveolar epithelial cell cycle arrest: Role of G1 cyclins. <i>FEBS Letters</i> , 2007, 581, 5315-5320.	2.8	29
63	Impaired detection of variable duration embedded tones in ectopic NZB/BINJ mice. <i>NeuroReport</i> , 2001, 12, 2875-2879.	1.2	28
64	Purkinje cell loss accompanies motor impairment in rats developing at altered gravity. <i>NeuroReport</i> , 2005, 16, 2037-2040.	1.2	28
65	Optical disector counting in cryosections and vibratome sections underestimates particle numbers: Effects of tissue quality. <i>Microscopy Research and Technique</i> , 2008, 71, 60-68.	2.2	28
66	Early acoustic discrimination experience ameliorates auditory processing deficits in male rats with cortical developmental disruption. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 321-328.	1.6	28
67	Rapid auditory processing and MGN morphology in microgyric rats reared in varied acoustic environments. <i>Developmental Brain Research</i> , 2002, 138, 187-193.	1.7	27
68	Counting Cells in Sectioned Material: A Suite of Techniques, Tools, and Tips. <i>Current Protocols in Neuroscience</i> , 2003, 24, Unit 1.11.	2.6	27
69	A Comparison of Three Electrophysiological Methods for the Assessment of Disease Status in a Mild Spinal Muscular Atrophy Mouse Model. <i>PLoS ONE</i> , 2014, 9, e111428.	2.5	27
70	The Effect of Developmental Neuropathology on Neocortical Asymmetry in New Zealand Black Mice. <i>International Journal of Neuroscience</i> , 1989, 45, 247-254.	1.6	26
71	Quantitative trait loci modulate ventricular size in the mouse brain. <i>Journal of Comparative Neurology</i> , 2003, 461, 362-369.	1.6	25
72	The effects of <i>Kiaa0319</i> knockdown on cortical and subcortical anatomy in male rats. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 116-122.	1.6	25

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73	Developmental timeframes for induction of microgyria and rapid auditory processing deficits in the rat. <i>Brain Research</i> , 2006, 1109, 22-31.	2.2	24
74	An Informatics Approach to Systems Neurogenetics. <i>Methods in Molecular Biology</i> , 2007, 401, 287-303.	0.9	24
75	PG490-88, a derivative of triptolide, attenuates obliterative airway disease in a mouse heterotopic tracheal allograft model. <i>Journal of Heart and Lung Transplantation</i> , 2002, 21, 1314-1318.	0.6	23
76	Single cause, polymorphic neuronal migration disorders: an animal model. <i>Developmental Medicine and Child Neurology</i> , 2000, 42, 652-662.	2.1	23
77	Neonatal tail posture and its relationship to striatal dopamine asymmetry in the rat. <i>Brain Research</i> , 1984, 297, 305-308.	2.2	22
78	Cerebrocortical Microdysgenesis with Anomalous Callosal Connections: A Case Study in the Rat. <i>International Journal of Neuroscience</i> , 1989, 47, 237-247.	1.6	22
79	Impaired two-tone processing at rapid rates in male rats with induced microgyria. <i>Brain Research</i> , 2000, 871, 94-97.	2.2	22
80	Position of Neocortical Neurons Transfected at Different Gestational Ages with shRNA Targeted against Candidate Dyslexia Susceptibility Genes. <i>PLoS ONE</i> , 2013, 8, e65179.	2.5	22
81	Neocortical VIP neurons are increased in the hemisphere containing focal cerebrocortical microdysgenesis in New Zealand Black mice. <i>Brain Research</i> , 1990, 532, 232-236.	2.2	21
82	Rapid auditory processing and learning deficits in rats with P1 versus P7 neonatal hypoxic-ischemic injury. <i>Behavioural Brain Research</i> , 2006, 172, 114-121.	2.2	21
83	Surface Alignment of an Elastic Body Using a Multiresolution Wavelet Representation. <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 1230-1241.	4.2	20
84	Biological substrates of anatomic asymmetry. <i>Progress in Neurobiology</i> , 1992, 39, 507-515.	5.7	19
85	Independent quantitative trait loci influence ventral and dorsal hippocampal volume in recombinant inbred strains of mice. <i>Genes, Brain and Behavior</i> , 2006, 5, 614-623.	2.2	18
86	Auditory processing deficits in unilaterally and bilaterally injured hypoxic-ischemic rats. <i>NeuroReport</i> , 2005, 16, 1309-1312.	1.2	17
87	Lashley maze learning deficits in NZB mice. <i>Physiology and Behavior</i> , 1992, 52, 1085-1089.	2.1	16
88	Severity of focal microgyria and associated rapid auditory processing deficits. <i>NeuroReport</i> , 2004, 15, 1923-1926.	1.2	16
89	Developmental learning impairments in a rodent model of nodular heterotopia. <i>Journal of Neurodevelopmental Disorders</i> , 2009, 1, 237-250.	3.1	15
90	Systems Genetics of the Lateral Septal Nucleus in Mouse: Heritability, Genetic Control, and Covariation with Behavioral and Morphological Traits. <i>PLoS ONE</i> , 2012, 7, e44236.	2.5	15

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91	Enhancement of histological volumes through averaging and their use for the analysis of magnetic resonance images. <i>Magnetic Resonance Imaging</i> , 2009, 27, 401-416.	1.8	13
92	Genetic, Morphometric, and Behavioral Factors Linked to the Midsagittal Area of the Corpus Callosum. <i>Frontiers in Genetics</i> , 2012, 3, 91.	2.3	13
93	Neocortical anomalies in autoimmune mice: A model for the developmental neuropathology seen in the dyslexic brain. <i>Drug Development Research</i> , 1988, 15, 307-314.	2.9	12
94	Differential seizure response in two models of cortical heterotopia. <i>Brain Research</i> , 2013, 1494, 84-90.	2.2	11
95	Persistent spatial working memory deficits in rats with bilateral cortical microgyria. <i>Behavioral and Brain Functions</i> , 2008, 4, 45.	3.3	10
96	A Behavioral Evaluation of Sex Differences in a Mouse Model of Severe Neuronal Migration Disorder. <i>PLoS ONE</i> , 2013, 8, e73144.	2.5	10
97	The midsagittal area of the corpus callosum and total neocortical volume differ in three inbred strains of mice. <i>Experimental Neurology</i> , 1990, 107, 271-276.	4.1	9
98	Brain weight differences associated with induced focal microgyria. <i>BMC Neuroscience</i> , 2003, 4, 12.	1.9	9
99	Age at developmental cortical injury differentially Alters corpus callosum volume in the rat. <i>BMC Neuroscience</i> , 2007, 8, 94.	1.9	9
100	Effects of test experience and neocortical microgyria on spatial and non-spatial learning in rats. <i>Behavioural Brain Research</i> , 2012, 235, 130-135.	2.2	7
101	Neuroanatomical Findings in Developmental Dyslexia. , 1989, , 3-15.		7
102	Models of temporal processing and language development. <i>Clinical Neuroscience Research</i> , 2001, 1, 230-237.	0.8	3
103	Morphometric changes in subcortical structures of the central auditory pathway in mice with bilateral nodular heterotopia. <i>Behavioural Brain Research</i> , 2015, 282, 61-69.	2.2	3
104	Mechanisms of Brain Asymmetry: New Evidence and Hypotheses. , 1987, , 29-36.		3
105	Mechanisms of Brain Asymmetry: New Evidence and Hypotheses. , 1987, , 29-36.		3
106	MRI visualization of focal induced neocortical malformations of the rat. <i>NeuroReport</i> , 1997, 8, 3883-3887.	1.2	2
107	Single cause, polymorphic neuronal migration disorders: an animal model. <i>Developmental Medicine and Child Neurology</i> , 2000, 42, 652-662.	2.1	2
108	Global exploratory analysis of massive neuroimaging collections using Microsoft Silverlight PivotViewer. , 2011, , .		2

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109	Cerebrocortical Asymmetry. <i>Cerebral Cortex</i> , 1991, , 263-277.	0.6	2
110	Chapter 2 Animal models of developmental dyslexia: Lessons from developmental and cognitive neuroscience. <i>Advances in Psychology</i> , 1998, 125, 53-105.	0.1	1