

Roslyn Fitch

List of Publications by Year in descending order

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41
papers

2,221
citations

304743

22
h-index

276875

41
g-index

41
all docs

41
docs citations

41
times ranked

1976
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurobiological Basis of Speech: A Case for the Preeminence of Temporal Processing. <i>Annals of the New York Academy of Sciences</i> , 1993, 682, 27-47.	3.8	716
2	NEUROBIOLOGY OF SPEECH PERCEPTION. <i>Annual Review of Neuroscience</i> , 1997, 20, 331-353.	10.7	214
3	Sex Differences in Mechanisms and Outcome of Neonatal Hypoxia-Ischemia in Rodent Models: Implications for Sex-Specific Neuroprotection in Clinical Neonatal Practice. <i>Neurology Research International</i> , 2012, 2012, 1-9.	1.3	155
4	Sex differences in behavioral outcome following neonatal hypoxia ischemia: Insights from a clinical meta-analysis and a rodent model of induced hypoxic ischemic brain injury. <i>Experimental Neurology</i> , 2014, 254, 54-67.	4.1	133
5	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
6	Use of a modified prepulse inhibition paradigm to assess complex auditory discrimination in rodents. <i>Brain Research Bulletin</i> , 2008, 76, 1-7.	3.0	76
7	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
8	Neocortical disruption and behavioral impairments in rats following in utero RNAi of candidate dyslexia risk gene <i>Kiaa0319</i> . <i>International Journal of Developmental Neuroscience</i> , 2012, 30, 293-302.	1.6	62
9	Neural Mechanisms of Language-Based Learning Impairments: Insights from Human Populations and Animal Models. <i>Behavioral and Cognitive Neuroscience Reviews</i> , 2003, 2, 155-178.	3.9	59
10	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
11	Mutation of <i>Dcdc2</i> in mice leads to impairments in auditory processing and memory ability. <i>Genes, Brain and Behavior</i> , 2014, 13, 802-811.	2.2	47
12	Detection of silent gaps in white noise following cortical deactivation in rats. <i>NeuroReport</i> , 2008, 19, 893-898.	1.2	44
13	Auditory processing deficits in rats with neonatal hypoxic-ischemic injury. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 351-362.	1.6	36
14	Sex Differences in Brain Injury and Repair in Newborn Infants: Clinical Evidence and Biological Mechanisms. <i>Frontiers in Pediatrics</i> , 2019, 7, 211.	1.9	36
15	Sex differences in rapid auditory processing deficits in microgyric rats. <i>Developmental Brain Research</i> , 2004, 148, 53-57.	1.7	32
16	Sex Differences in Behavioral Outcomes Following Temperature Modulation During Induced Neonatal Hypoxic Ischemic Injury in Rats. <i>Brain Sciences</i> , 2015, 5, 220-240.	2.3	32
17	The effects of erythropoietin on auditory processing following neonatal hypoxic-ischemic injury. <i>Brain Research</i> , 2006, 1087, 190-195.	2.2	31
18	Pharmacological studies of effort-related decision making using mouse touchscreen procedures: effects of dopamine antagonism do not resemble reinforcer devaluation by removal of food restriction. <i>Psychopharmacology</i> , 2020, 237, 33-43.	3.1	31

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19	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
20	Therapeutic Effect of Caffeine Treatment Immediately Following Neonatal Hypoxic-Ischemic Injury on Spatial Memory in Male Rats. <i>Brain Sciences</i> , 2013, 3, 177-190.	2.3	28
21	Mutation of the Dyslexia-Associated Gene <i>Dcdc2</i> Enhances Glutamatergic Synaptic Transmission Between Layer 4 Neurons in Mouse Neocortex. <i>Cerebral Cortex</i> , 2016, 26, 3705-3718.	2.9	26
22	Learning delays in a mouse model of Autism Spectrum Disorder. <i>Behavioural Brain Research</i> , 2016, 303, 201-207.	2.2	24
23	Effects of Sex and Mild Intrainsult Hypothermia on Neuropathology and Neural Reorganization following Neonatal Hypoxic Ischemic Brain Injury in Rats. <i>Neural Plasticity</i> , 2016, 2016, 1-11.	2.2	23
24	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
25	Behavioral and neuroanatomical outcomes in a rat model of preterm hypoxic-ischemic brain injury: Effects of caffeine and hypothermia. <i>International Journal of Developmental Neuroscience</i> , 2018, 70, 46-55.	1.6	21
26	Shank3B mutant mice display pitch discrimination enhancements and learning deficits. <i>International Journal of Developmental Neuroscience</i> , 2019, 72, 13-21.	1.6	21
27	Spatial Working Memory Deficits in Male Rats Following Neonatal Hypoxic Ischemic Brain Injury Can Be Attenuated by Task Modifications. <i>Brain Sciences</i> , 2014, 4, 240-272.	2.3	19
28	Deficits in learning and memory in mice with a mutation of the candidate dyslexia susceptibility gene <i>Dyx1c1</i> . <i>Brain and Language</i> , 2017, 172, 30-38.	1.6	18
29	The dopamine depleting agent tetrabenazine alters effort-related decision making as assessed by mouse touchscreen procedures. <i>Psychopharmacology</i> , 2020, 237, 2845-2854.	3.1	12
30	Persistent spatial working memory deficits in rats with bilateral cortical microgyria. <i>Behavioral and Brain Functions</i> , 2008, 4, 45.	3.3	10
31	Age at developmental cortical injury differentially Alters corpus callosum volume in the rat. <i>BMC Neuroscience</i> , 2007, 8, 94.	1.9	9
32	Auditory Processing Enhancements in the TS2-Neo Mouse Model of Timothy Syndrome, a Rare Genetic Disorder Associated with Autism Spectrum Disorders. <i>Advances in Neurodevelopmental Disorders</i> , 2017, 1, 176-189.	1.1	9
33	Multi-level evidence of an allelic hierarchy of <i>USH2A</i> variants in hearing, auditory processing and speech/language outcomes. <i>Communications Biology</i> , 2020, 3, 180.	4.4	6
34	Cell size anomalies in the auditory thalamus of rats with hypoxic-ischemic injury on postnatal day 3 or 7. <i>International Journal of Developmental Neuroscience</i> , 2014, 33, 1-7.	1.6	4
35	Effort-related decision making in humanized COMT mice: Effects of Val158Met polymorphisms and possible implications for negative symptoms in humans. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 196, 172975.	2.9	4
36	Communication-related assessments in an Angelman syndrome mouse model. <i>Brain and Behavior</i> , 2021, 11, e01937.	2.2	4

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37	Peripheral Anomalies in USH2A Cause Central Auditory Anomalies in a Mouse Model of Usher Syndrome and CAPD. <i>Genes</i> , 2021, 12, 151.	2.4	4
38	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
39	Neonatal prazosin exposure reduces ovarian weight and estrogen receptor binding in adult female rats. <i>International Journal of Developmental Neuroscience</i> , 1992, 10, 435-438.	1.6	2
40	Rapid auditory processing and medial geniculate nucleus anomalies in <i>Kiaa0319</i> knockout mice. <i>Genes, Brain and Behavior</i> , 2022, 21, e12808.	2.2	2
41	A case for auditory temporal processing as an evolutionary precursor to speech processing and language function. <i>Behavioral and Brain Sciences</i> , 1995, 18, 189-189.	0.7	1