

Rachel Wevrick

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3996678/publications.pdf>

Version: 2024-02-01

73
papers

4,182
citations

117453

34
h-index

114278

63
g-index

74
all docs

74
docs citations

74
times ranked

3369
citing authors

#	ARTICLE	IF	CITATIONS
1	A mouse model for Prader-Willi syndrome imprinting-centre mutations. <i>Nature Genetics</i> , 1998, 19, 25-31.	9.4	285
2	Identification of a novel paternally expressed gene in the Prader - Willi syndrome region. <i>Human Molecular Genetics</i> , 1994, 3, 1877-1883.	1.4	243
3	The Necdin Gene is Deleted in Prader-Willi Syndrome and is Imprinted in Human and Mouse. <i>Human Molecular Genetics</i> , 1997, 6, 1873-1878.	1.4	226
4	Long-range organization of tandem arrays of alpha satellite DNA at the centromeres of human chromosomes: high-frequency array-length polymorphism and meiotic stability.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 9394-9398.	3.3	220
5	Human centromeric DNAs. <i>Human Genetics</i> , 1997, 100, 291-304.	1.8	217
6	The imprinted gene <i>Magel2</i> regulates normal circadian output. <i>Nature Genetics</i> , 2007, 39, 1266-1272.	9.4	196
7	Disruption of the mouse <i>necdin</i> gene results in early post-natal lethality. <i>Nature Genetics</i> , 1999, 23, 199-202.	9.4	191
8	Inactivation of the mouse <i>Magel2</i> gene results in growth abnormalities similar to Prader-Willi syndrome. <i>Human Molecular Genetics</i> , 2007, 16, 2713-2719.	1.4	170
9	Regulation of autism-relevant behaviors by cerebellarâ€“prefrontal cortical circuits. <i>Nature Neuroscience</i> , 2020, 23, 1102-1110.	7.1	149
10	Essential role for the Praderâ€“Willi syndrome protein <i>necdin</i> in axonal outgrowth. <i>Human Molecular Genetics</i> , 2005, 14, 627-637.	1.4	141
11	Absence of <i>Ndn</i> , Encoding the Prader-Willi Syndrome-Deleted Gene <i>necdin</i> , Results in Congenital Deficiency of Central Respiratory Drive in Neonatal Mice. <i>Journal of Neuroscience</i> , 2003, 23, 1569-1573.	1.7	121
12	An Imprinted Mouse Transcript Homologous to the Human Imprinted in Prader-Willi Syndrome (IPW) Gene. <i>Human Molecular Genetics</i> , 1997, 6, 325-332.	1.4	105
13	<i>Necdin</i> , a Prader-Willi syndrome candidate gene, regulates gonadotropin-releasing hormone neurons during development. <i>Human Molecular Genetics</i> , 2008, 18, 248-260.	1.4	90
14	Regionally reduced brain volume, altered serotonin neurochemistry, and abnormal behavior in mice null for the circadian rhythm output gene <i>Magel2</i> . <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2009, 150B, 1085-1099.	1.1	90
15	Developmental Abnormalities of Neuronal Structure and Function in Prenatal Mice Lacking the Prader-Willi Syndrome Gene <i>Necdin</i> . <i>American Journal of Pathology</i> , 2005, 167, 175-191.	1.9	86
16	Loss of <i>Magel2</i> , a Candidate Gene for Features of Prader-Willi Syndrome, Impairs Reproductive Function in Mice. <i>PLoS ONE</i> , 2009, 4, e4291.	1.1	83
17	Physical map of the centromeric region of human chromosome 7: relationship between two distinct alpha satellite arrays. <i>Nucleic Acids Research</i> , 1991, 19, 2295-2301.	6.5	82
18	Structure of DNA near long tandem arrays of alpha satellite DNA at the centromere of human chromosome 7. <i>Genomics</i> , 1992, 14, 912-923.	1.3	74

#	ARTICLE	IF	CITATIONS
19	Prader-Willi syndrome transcripts are expressed in phenotypically significant regions of the developing mouse brain. <i>Gene Expression Patterns</i> , 2003, 3, 599-609.	0.3	70
20	Necdin, a p53 target gene, regulates the quiescence and response to genotoxic stress of hematopoietic stem/progenitor cells. <i>Blood</i> , 2012, 120, 1601-1612.	0.6	69
21	Cloning and analysis of the murine Fanconi anemia group C cDNA. <i>Human Molecular Genetics</i> , 1993, 2, 655-662.	1.4	68
22	Targeting the endocannabinoid/CB1 receptor system for treating obesity in Prader-Willi syndrome. <i>Molecular Metabolism</i> , 2016, 5, 1187-1199.	3.0	64
23	Magel2 Is Required for Leptin-Mediated Depolarization of POMC Neurons in the Hypothalamic Arcuate Nucleus in Mice. <i>PLoS Genetics</i> , 2013, 9, e1003207.	1.5	60
24	Impaired Hypothalamic Regulation of Endocrine Function and Delayed Counterregulatory Response to Hypoglycemia in Magel2-Null Mice. <i>Endocrinology</i> , 2011, 152, 967-978.	1.4	58
25	Identification of Novel Imprinted Transcripts in the Prader-Willi Syndrome and Angelman Syndrome Deletion Region: Further Evidence for Regional Imprinting Control. <i>American Journal of Human Genetics</i> , 2000, 66, 848-858.	2.6	56
26	Tissue-specific and imprinted epigenetic modifications of the human NDN gene. <i>Nucleic Acids Research</i> , 2004, 32, 3376-3382.	6.5	53
27	The role of genomic imprinting in human developmental disorders: lessons from Prader-Willi syndrome. <i>Clinical Genetics</i> , 2001, 59, 156-164.	1.0	49
28	Establishment and Maintenance of DNA Methylation Patterns in Mouse Ndn : Implications for Maintenance of Imprinting in Target Genes of the Imprinting Center. <i>Molecular and Cellular Biology</i> , 2001, 21, 2384-2392.	1.1	48
29	Diagnostic test for the Prader-Willi syndrome by SNRPN expression in blood. <i>Lancet, The</i> , 1996, 348, 1068-1069.	6.3	46
30	Loss of the Prader-Willi syndrome protein necdin causes defective migration, axonal outgrowth, and survival of embryonic sympathetic neurons. <i>Developmental Dynamics</i> , 2008, 237, 1935-1943.	0.8	42
31	The Prader-Willi syndrome proteins MAGEL2 and necdin regulate leptin receptor cell surface abundance through ubiquitination pathways. <i>Human Molecular Genetics</i> , 2017, 26, 4215-4230.	1.4	41
32	Muscle dysfunction caused by loss of <i>Magel2</i> in a mouse model of Prader-Willi and Schaaf-Yang syndromes. <i>Human Molecular Genetics</i> , 2016, 25, 3798-3809.	1.4	38
33	Recommendations for the investigation of animal models of Prader-Willi syndrome. <i>Mammalian Genome</i> , 2013, 24, 165-178.	1.0	37
34	Progressive postnatal decline in leptin sensitivity of arcuate hypothalamic neurons in the <i>Magel2</i> -null mouse model of Prader-Willi syndrome. <i>Human Molecular Genetics</i> , 2015, 24, 4276-4283.	1.4	37
35	A necdin/MAGE-like gene in the chromosome 15 autism susceptibility region: expression, imprinting, and mapping of the human and mouse orthologues. <i>BMC Genetics</i> , 2001, 2, 22.	2.7	33
36	Claudin-4 forms a paracellular barrier, revealing the interdependence of claudin expression in the loose epithelial cell culture model opossum kidney cells. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C1278-C1291.	2.1	30

#	ARTICLE	IF	CITATIONS
37	Stochastic Loss of Silencing of the Imprinted Ndn/NDN Allele, in a Mouse Model and Humans with Prader-Willi Syndrome, Has Functional Consequences. <i>PLoS Genetics</i> , 2013, 9, e1003752.	1.5	30
38	ROHHAD and Prader-Willi syndrome (PWS): clinical and genetic comparison. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 124.	1.2	27
39	The Prader-Willi syndrome protein necdin interacts with the E1A-like inhibitor of differentiation EID-1 and promotes myoblast differentiation. <i>Differentiation</i> , 2008, 76, 994-1005.	1.0	26
40	Loss of the Prader-Willi obesity syndrome protein necdin promotes adipogenesis. <i>Gene</i> , 2012, 497, 45-51.	1.0	26
41	<i>Magel2</i> null mice are hyperresponsive to setmelanotide, a melanocortin 4 receptor agonist. <i>British Journal of Pharmacology</i> , 2016, 173, 2614-2621.	2.7	26
42	Preclinical Testing in Translational Animal Models of Prader-Willi Syndrome: Overview and Gap Analysis. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 13, 344-358.	1.8	22
43	<i>Magel2</i> , a Prader-Willi syndrome candidate gene, modulates the activities of circadian rhythm proteins in cultured cells. <i>Journal of Circadian Rhythms</i> , 2014, 9, 12.	2.9	20
44	Dopamine pathway imbalance in mice lacking <i>Magel2</i> , a Prader-Willi syndrome candidate gene.. <i>Behavioral Neuroscience</i> , 2016, 130, 448-459.	0.6	20
45	The <i>Smc5/Smc6/MAGE</i> Complex Confers Resistance to Caffeine and Genotoxic Stress in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2013, 8, e59866.	1.1	19
46	Evolution of bubbles in vacuum. <i>Canadian Journal of Physics</i> , 1986, 64, 165-173.	0.4	18
47	Expression of the Fanconi Anemia Gene <i>FAC</i> in Human Cell Lines: Lack of Effect of Oxygen Tension. <i>Blood Cells, Molecules, and Diseases</i> , 1995, 21, 182-191.	0.6	18
48	Sleeve gastrectomy leads to weight loss in the <i>Magel2</i> knockout mouse. <i>Surgery for Obesity and Related Diseases</i> , 2016, 12, 1795-1802.	1.0	16
49	A <i>MAGE/NDN</i> -like gene in zebrafish. <i>Developmental Dynamics</i> , 2003, 228, 475-479.	0.8	15
50	Evaluation of melanoma antigen (<i>MAGE</i>) gene expression in human cancers using The Cancer Genome Atlas. <i>Cancer Genetics</i> , 2015, 208, 25-34.	0.2	15
51	Chronic diazoxide treatment decreases fat mass and improves endurance capacity in an obese mouse model of Prader-Willi syndrome. <i>Molecular Genetics and Metabolism</i> , 2018, 123, 511-517.	0.5	15
52	A <i>MAGEL2</i> -deubiquitinase complex modulates the ubiquitination of circadian rhythm protein <i>CRY1</i> . <i>PLoS ONE</i> , 2020, 15, e0230874.	1.1	14
53	Genome-wide analysis of gene transcription in the hypothalamus. <i>Physiological Genomics</i> , 2005, 22, 191-196.	1.0	13
54	Loss of <i>Necdin</i> impairs myosin activation and delays cell polarization. <i>Genesis</i> , 2010, 48, 540-553.	0.8	12

#	ARTICLE	IF	CITATIONS
55	Pulsed-Field and Two-Dimensional Gel Electrophoresis of Long Arrays of Tandemly Repeated DNA: Analysis of Human Centromeric Alpha Satellite. , 1992, 12, 299-318.		10
56	Clinical and genetic analysis of children with a dual diagnosis of Tourette syndrome and autism spectrum disorder. Journal of Psychiatric Research, 2019, 111, 145-153.	1.5	10
57	Mapping of the murine and rat Facc genes and assessment of flexed-tail as a candidate mouse homolog of Fanconi anemia group C. Mammalian Genome, 1993, 4, 440-444.	1.0	9
58	Leptin signaling defects in a mouse model of Prader-Willi syndrome. Rare Diseases (Austin, Tex), 2013, 1, e24421.	1.8	8
59	Neurodevelopmental Abnormalities in the Brainstem of Prenatal Mice Lacking the Prader-Willi Syndrome Gene Necdin. Advances in Experimental Medicine and Biology, 2008, 605, 139-143.	0.8	7
60	Genetic analysis of very obese children with autism spectrum disorder. Molecular Genetics and Genomics, 2018, 293, 725-736.	1.0	7
61	Mammalian DNA-repair genes. Current Opinion in Genetics and Development, 1993, 3, 470-474.	1.5	6
62	Energy homeostasis in Prader-Willi Syndrome: How clinical research informs studies of animal models of genetic obesity. American Journal of Medical Genetics, Part A, 2012, 158A, 966-968.	0.7	6
63	Evaluation of Prader-Willi Syndrome Gene <i>MAGEL2</i> in Severe Childhood-Onset Obesity. Obesity, 2005, 13, 1841-1842.	4.0	5
64	The N-terminal domain of the Schaaf-Yang syndrome protein MAGEL2 likely has a role in RNA metabolism. Journal of Biological Chemistry, 2021, 297, 100959.	1.6	5
65	Chromatin modification of the human imprintedNDN (necdin) gene detected by in vivo footprinting. Journal of Cellular Biochemistry, 2005, 94, 1046-1057.	1.2	4
66	The necdin interactome: evaluating the effects of amino acid substitutions and cell stress using proximity-dependent biotinylation (BioID) and mass spectrometry. Human Genetics, 2020, 139, 1513-1529.	1.8	4
67	Disentangling ingestive behavior-related phenotypes in Prader-Willi syndrome: Integrating information from nonclinical studies and clinical trials to better understand the pathophysiology of hyperphagia and obesity. Physiology and Behavior, 2020, 219, 112864.	1.0	4
68	'Glow in the Dark' crayons as inexpensive autoradiography markers. Technical Tips Online, 1997, 2, 87-88.	0.2	1
69	Co-morbidity of complex genetic disorders and hypersomnias of central origin: lessons from the underlying neurobiology of wake and sleep. Clinical Genetics, 2012, 82, 379-387.	1.0	1
70	Necdin Regulates Hematopoietic Stem Cell Quiescence and Sensitivity to Genotoxic Stress.. Blood, 2009, 114, 379-379.	0.6	1
71	Prader-Willi Syndrome. , 2009, , 223-250.		0
72	Respiratory control abnormalities in necdinnull mice: implications for the pathogenesis of Prader-Willi syndrome. , 2008, , 259-269.		0

#	ARTICLE	IF	CITATIONS
73	inv dup(15) and inv dup(22)., 2006, , 315-325.		0