Debra Ellyn Weese-Mayer

List of Publications by Year
in descending order

83 papers	5,098 citations	94433 37 h-index	91884 69 g-index
93 all docs	93 docs citations	93 times ranked	3406 citing authors

#	Article	IF	Citations
1	Binodal, wireless epidermal electronic systems with in-sensor analytics for neonatal intensive care. Science, 2019, 363, .	12.6	521
2	An Official ATS Clinical Policy Statement: Congenital Central Hypoventilation Syndrome. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 626-644.	5.6	433
3	Idiopathic congenital central hypoventilation syndrome: Analysis of genes pertinent to early autonomic nervous system embryologic development and identification of mutations in PHOX2b. American Journal of Medical Genetics Part A, 2003, 123A, 267-278.	2.4	335
4	Skin-interfaced biosensors for advanced wireless physiological monitoring in neonatal and pediatric intensive-care units. Nature Medicine, 2020, 26, 418-429.	30.7	272
5	Congenital Central Hypoventilation Syndrome. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 1139-1144.	5.6	238
6	Congenital central hypoventilation syndrome: Diagnosis, management, and long-term outcome in thirty-two children. Journal of Pediatrics, 1992, 120, 381-387.	1.8	195
7	Polysomnography in obese children with a history of sleep-associated breathing disorders. Pediatric Pulmonology, 1993, 16, 124-129.	2.0	182
8	Rapid-Onset Obesity With Hypothalamic Dysfunction, Hypoventilation, and Autonomic Dysregulation Presenting in Childhood. Pediatrics, 2007, 120, e179-e188.	2.1	175
9	PHOX2BMutationâ€“confirmed Congenital Central Hypoventilation Syndrome. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 923-927.	5.6	125
10	Sudden infant death syndrome: Association with a promoter polymorphism of the serotonin transporter gene. American Journal of Medical Genetics Part A, 2003, 117A, 268-274.	2.4	118
11	Congenital central hypoventilation syndrome: PHOX2B genotype determines risk for sudden death. Pediatric Pulmonology, 2008, 43, 77-86.	2.0	105
12	Congenital central hypoventilation syndrome from past to future: Model for translational and transitional autonomic medicine. Pediatric Pulmonology, 2009, 44, 521-535.	2.0	99
13	Association of the serotonin transporter gene with sudden infant death syndrome: A haplotype analysis. American Journal of Medical Genetics Part A, 2003, 122A, 238-245.	2.4	94
14	Endothelinâ€“3 frameshift mutation in congenital central hypoventilation syndrome. Nature Genetics, 1996, 13, 395-396.	21.4	89
15	Diaphragm pacing in infants and children. Journal of Pediatrics, 1992, 120, 1-8.	1.8	83
16	Case/control family study of autonomic nervous system dysfunction in idiopathic congenital central hypoventilation syndrome. American Journal of Medical Genetics Part A, 2001, 100, 237-245.	2.4	83
17	Adult Identified with Congenital Central Hypoventilation Syndromeâ€“Mutation inPHOX2bGene and Late-Onset CHS. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 88-88.	5.6	80
18	Congenital central hypoventilation syndrome: Inheritance and relation to sudden infant death syndrome. American Journal of Medical Genetics Part A, 1993, 47, 360-367.	2.4	78

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19	Rapid-Onset Obesity With Hypothalamic Dysfunction, Hypoventilation, and Autonomic Dysregulation: Analysis of Hypothalamic and Autonomic Candidate Genes. Pediatric Research, 2011, 70, 375-378.	2.3	66
20	Magnetic Resonance Imaging and Computerized Tomography in Central Hypoventilation. The American Review of Respiratory Disease, 1988, 137, 393-398.	2.9	64
21	Idiopathic congenital central hypoventilation syndrome: Evaluation of brain-derived neurotrophic factor genomic DNA sequence variation. American Journal of Medical Genetics Part A, 2002, 107, 306-310.	2.4	63
22	Effect of prenatal cocaine on respiration, heart rate, and sudden infant death syndrome. Pediatric Pulmonology, 1991, 11, 328-334.	2.0	60
23	Cardiac rhythm disturbances among children with idiopathic congenital central hypoventilation syndrome. , 2000, 29, 351-358.		58
24	Congenital central hypoventilation syndrome: Neurocognitive functioning in school age children. Pediatric Pulmonology, 2010, 45, 92-98.	2.0	56
25	A wireless, skin-interfaced biosensor for cerebral hemodynamic monitoring in pediatric care. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31674-31684.	7.1	55
26	Variable human phenotype associated with novel deletions of the PHOX2B gene. Pediatric Pulmonology, 2012, 47, 153-161.	2.0	54
27	Neuropsychologic abnormalities in children with congenital central hypoventilation syndrome. Journal of Pediatrics, 1992, 120, 388-393.	1.8	52
28	Congenital central hypoventilation syndrome: Cardiorespiratory responses to moderate exercise, simulating daily activity. Pediatric Pulmonology, 1995, 20, 89-93.	2.0	52
29	Idiopathic congenital central hypoventilation syndrome: the next generation. American Journal of Medical Genetics Part A, 2002, 112, 46-50.	2.4	52
30	Congenital central hypoventilation syndrome (CCHS) and sudden infant death syndrome (SIDS): Kindred disorders of autonomic regulation. Respiratory Physiology and Neurobiology, 2008, 164, 38-48.	1.6	51
31	Congenital central hypoventilation syndrome: a bedside-to-bench success story for advancing early diagnosis and treatment and improved survival and quality of life. Pediatric Research, 2017, 81, 192-201.	2.3	51
32	Genetic segregation analysis of autonomic nervous system dysfunction in families of probands with idiopathic congenital central hypoventilation syndrome. American Journal of Medical Genetics Part A, 2001, 100, 229-236.	2.4	49
33	Monozygotic Twins Discordant for ROHHAD Phenotype. Pediatrics, 2011, 128, e711-e715.	2.1	47
34	Congenital central hypoventilation syndrome: Mutation analysis of the receptor tyrosine kinase RET. , 1996, 63, 603-609.		45
35	Laterâ€onset congenital central hypoventilation syndrome due to a heterozygous 24â€polyalanine repeat expansion mutation in the PHOX2B gene. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 192-195.	1.5	45
36	Rapid-Onset Obesity with Hypothalamic Dysfunction, Hypoventilation, and Autonomic Dysregulation (ROHHAD): exome sequencing of trios, monozygotic twins and tumours. Orphanet Journal of Rare Diseases, 2015, 10, 103.	2.7	45

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37	Congenital Central Hypoventilation Syndrome. Chest, 2016, 149, 809-815.	0.8	44
38	Autonomic Nervous System Dysfunction in Pediatric Sepsis. Frontiers in Pediatrics, 2018, 6, 280.	1.9	43
39	Pupillometry in congenital central hypoventilation syndrome (CCHS): quantitative evidence of autonomic nervous system dysregulation. Pediatric Research, 2012, 71, 280-285.	2.3	41
40	Stillbirth evaluation: a stepwise assessment of placental pathology and autopsy. American Journal of Obstetrics and Gynecology, 2016, 214, 115.e1-115.e6.	1.3	40
41	Residual chemosensitivity to ventilatory challenges in genotyped congenital central hypoventilation syndrome. Journal of Applied Physiology, 2014, 116, 439-450.	2.5	39
42	Carbon dioxide chemoreception and hypoventilation syndromes with autonomic dysregulation. Journal of Applied Physiology, 2010, 108, 979-988.	2.5	35
43	Pre-Vent: the prematurity-related ventilatory control study. Pediatric Research, 2019, 85, 769-776.	2.3	33
44	Wireless, Skinâ€Interfaced Devices for Pediatric Critical Care: Application to Continuous, Noninvasive Blood Pressure Monitoring. Advanced Healthcare Materials, 2021, 10, e2100383.	7.6	33
45	Rapid-onset obesity with hypothalamic dysfunction, hypoventilation, and autonomic dysregulation (ROHHAD): Response to ventilatory challenges. Pediatric Pulmonology, 2015, 50, 1336-1345.	2.0	30
46	Vagal and sympathetic heart rate and blood pressure control in adult onset PHOX2B mutationâ€“confirmed congenital central hypoventilation syndrome. Clinical Autonomic Research, 2007, 17, 177-185.	2.5	28
47	ROHHAD and Prader-Willi syndrome (PWS): clinical and genetic comparison. Orphanet Journal of Rare Diseases, 2018, 13, 124.	2.7	27
48	Congenital Central Hypoventilation Syndrome. Clinics in Chest Medicine, 2014, 35, 535-545.	2.1	26
49	Congenital Central Hypoventilation Syndrome and Sudden Infant Death Syndrome: Disorders of Autonomic Regulation. Seminars in Pediatric Neurology, 2013, 20, 44-55.	2.0	25
50	Comparison of PHOX2B Testing Methods in the Diagnosis of Congenital Central Hypoventilation Syndrome and Mosaic Carriers. Diagnostic Molecular Pathology, 2010, 19, 224-231.	2.1	23
51	Germline mosaicism of PHOX2B mutation accounts for familial recurrence of congenital central hypoventilation syndrome (CCHS). American Journal of Medical Genetics, Part A, 2012, 158A, 2297-2301.	1.2	23
52	Pupillometry measures of autonomic nervous system regulation with advancing age in a healthy pediatric cohort. Clinical Autonomic Research, 2020, 30, 43-51.	2.5	22
53	Mutations inMYO1Hcause a recessive form of central hypoventilation with autonomic dysfunction. Journal of Medical Genetics, 2017, 54, 754-761.	3.2	21
54	The Pathophysiology of Rett Syndrome With a Focus on Breathing Dysfunctions. Physiology, 2020, 35, 375-390.	3.1	20

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55	Absence of mutations in HCRT , HCRTR1 and HCRTR2 in patients with ROHHAD. Respiratory Physiology and Neurobiology, 2016, 221, 59-63.	1.6	19
56	Stillbirth: Correlations between Brain Injury and Placental Pathology. Pediatric and Developmental Pathology, 2016, 19, 237-243.	1.0	18
57	Determining peripheral skin temperature: subjective versus objective measurements. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, e126-e131.	1.5	17
58	Diurnal variation in autonomic regulation among patients with genotyped Rett syndrome. Journal of Medical Genetics, 2020, 57, 786-793.	3.2	17
59	Congenital central hypoventilation syndrome (CCHS): Circadian temperature variation. Pediatric Pulmonology, 2016, 51, 300-307.	2.0	16
60	Congenital central hypoventilation syndrome: Broader cognitive deficits revealed by parent controls. Pediatric Pulmonology, 2018, 53, 492-497.	2.0	16
61	Development of a Heart Rate Variability Risk Score to Predict Organ Dysfunction and Death in Critically Ill Children. Pediatric Critical Care Medicine, 2021, 22, e437-e447.	0.5	16
62	Paired-like homeobox gene (PHOX2B) nonpolyalanine repeat expansion mutations (NPARMs): genotypeâ€“phenotype correlation in congenital central hypoventilation syndrome (CCHS). Genetics in Medicine, 2021, 23, 1656-1663.	2.4	16
63	Airway Obstruction during Sleep due to Diaphragm Pacing Precludes Decannulation in Young Children with CCHS. Respiration, 2019, 98, 263-267.	2.6	15
64	Kangaroo father care: A pilot feasibility study of physiologic, biologic, and psychosocial measures to capture the effects of fatherâ€“infant and motherâ€“infant skinâ€toâ€skin contact in the Neonatal Intensive Care Unit. Developmental Psychobiology, 2021, 63, 1521-1533.	1.6	15
65	Treatment of neuroblastoma in congenital central hypoventilation syndrome with a PHOX2B polyalanine repeat expansion mutation: New twist on a neurocristopathy syndrome. Pediatric Blood and Cancer, 2015, 62, 2007-2010.	1.5	12
66	Comparison of transthoracic impedance/heart rate monitoring and pulse oximetry for patients using diaphragm pacemakers. Pediatric Pulmonology, 1990, 8, 29-32.	2.0	10
67	Congenital central hypoventilation syndrome: Severe disease caused by coâ€occurrence of two PHOX2B variants inherited separately from asymptomatic family members. American Journal of Medical Genetics, Part A, 2019, 179, 503-506.	1.2	10
68	Perioperative anesthetic management of children with congenital central hypoventilation syndrome and rapidâ€onset obesity with hypothalamic dysfunction, hypoventilation, and autonomic dysregulation undergoing thoracoscopic phrenic nerveâ€diaphragm pacemaker implantation. Paediatric Anaesthesia, 2018, 28, 963-973.	1.1	8
69	Neurocognitive monitoring in congenital central hypoventilation syndrome with the NIH ToolboxÂ®. Pediatric Pulmonology, 2022, 57, 2040-2047.	2.0	8
70	Breathing Control Disorders in Infants and Children. Hospital Practice (1995), 1990, 25, 82-103.	1.0	7
71	Uterine Position Determines the Extent of Dopamine Reduction after Chronic Prenatal Cocaine Exposure. Annals of the New York Academy of Sciences, 1998, 844, 314-323.	3.8	6
72	Chronic nausea and orthostatic intolerance: Diagnostic utility of orthostatic challenge duration, Nausea Profile Questionnaire, and neurohumoral measures. Neurogastroenterology and Motility, 2018, 30, e13433.	3.0	6

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73	Cerebral Autoregulation during Orthostatic Challenge in Congenital Central Hypoventilation Syndrome. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 340-349.	5.6	6
74	Machine learning mortality classification in clinical documentation with increased accuracy in visualâ€based analyses. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 1346-1353.	1.5	5
75	Sudden infant death syndrome: the genetic segue?. Acta Paediatrica, International Journal of Paediatrics, 2008, 97, 846-847.	1.5	4
76	Evolution of physiologic and autonomic phenotype in rapid-onset obesity with hypothalamic dysfunction, hypoventilation, and autonomic dysregulation over a decade from age at diagnosis. Journal of Clinical Sleep Medicine, 2022, 18, 937-944.	2.6	4
77	Commentary: Rapid-onset Obesity with Hypothalamic Dysfunction, Hypoventilation, and Autonomic Dysregulation (ROHHAD): Remember Your ABCs (Airway, Breathing, Circulation). Journal of the Canadian Academy of Child and Adolescent Psychiatry, 2013, 22, 238-9.	0.6	4
78	Hypoventilation Syndromes of Infancy, Childhood, and Adulthood. Sleep Medicine Clinics, 2014, 9, 425-439.	2.6	2
79	Autonomic Nervous System Dysfunction Is Associated With Re-hospitalization in Pediatric Septic Shock Survivors. Frontiers in Pediatrics, 2021, 9, 745844.	1.9	2
80	Drug Screen Technique Determines Prevalence of Cocaine Use Among Pregnant Women. Journal of Maternal-Fetal and Neonatal Medicine, 1992, 1, 148-152.	1.5	0
81	The privilege and responsibility of caring for patients with rare genetic disorders. Clinical Autonomic Research, 2021, 31, 55-56.	2.5	0
82	Cerebral cortical-autonomic connectivity in newborns: a first step to determine the autonomic signatures with advancing age?. Clinical Autonomic Research, 2021, 31, 359-360.	2.5	0
83	Environmental Temperature Extremes: Feasibility Study of Effect on Pediatric Health. , 0, , .		0