Karen Waters Mbbs, Fracp

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A collaborative approach to adopting/adapting guidelines - The Australian 24-Hour Movement Guidelines for the early years (Birth to 5 years): an integration of physical activity, sedentary behavior, and sleep. BMC Public Health, 2017, 17, 869.	1.2	261
2	Metabolic correlates with obstructive sleep apnea in obese subjects. Journal of Pediatrics, 2002, 140, 654-659.	0.9	193
3	Obesity increases the risk for persisting obstructive sleep apnea after treatment in children. International Journal of Pediatric Otorhinolaryngology, 2006, 70, 1555-1560.	0.4	144
4	Effects of OSA, inhalational anesthesia, and fentanyl on the airway and ventilation of children. Journal of Applied Physiology, 2002, 92, 1987-1994.	1.2	141
5	Neuronal Apoptosis in Sudden Infant Death Syndrome. Pediatric Research, 1999, 45, 166-172.	1.1	132
6	Sleep-disordered breathing in children with myelomeningocele. Journal of Pediatrics, 1998, 132, 672-681.	0.9	126
7	Face-straight-down and face-near-straight-down positions in healthy, prone-sleeping infants. Journal of Pediatrics, 1996, 128, 616-625.	0.9	113
8	Inflammatory measures in children with obstructive sleep apnoea. Journal of Paediatrics and Child Health, 2006, 42, 277-282.	0.4	103
9	Curtailed respiration by repeated vs. isolated hypoxia in maturing piglets is unrelated to NTS ME or SP levels. Journal of Applied Physiology, 1997, 83, 522-529.	1.2	96
10	The spectrum of sleep-disordered breathing symptoms and respiratory events in infants with cleft lip and/or palate. Archives of Disease in Childhood, 2012, 97, 1058-1063.	1.0	85
11	Changes in orexin (hypocretin) neuronal expression with normal aging in the human hypothalamus. Neurobiology of Aging, 2015, 36, 292-300.	1.5	77
12	Serotoninergic receptor 1A in the sudden infant death syndrome brainstem medulla and associations with clinical risk factors. Acta Neuropathologica, 2009, 117, 257-265.	3.9	76
13	Treatment of sleep-disordered breathing in children with myelomeningocele. Pediatric Pulmonology, 2000, 30, 445-452.	1.0	74
14	Follow-up on Metabolic Markers in Children Treated for Obstructive Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 455-460.	2.5	67
15	Neuronal cell death in the Sudden Infant Death Syndrome brainstem and associations with risk factors. Brain, 2007, 131, 218-228.	3.7	65
16	Cleft lip and/or palate and breathing during sleep. Sleep Medicine Reviews, 2009, 13, 345-354.	3.8	63
17	Structural equation modeling of sleep apnea, inflammation, and metabolic dysfunction in children. Journal of Sleep Research, 2007, 16, 388-395.	1.7	61
18	Treatment of obstructive sleep apnea in achondroplasia: Evaluation of sleep, breathing, and somatosensory-evoked potentials. American Journal of Medical Cenetics Part A 1995, 59, 460-466	2.4	59

Karen Waters Mbbs, Fracp

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19	Respiratory events and obstructive sleep apnea in children with achondroplasia: investigation and treatment outcomes. Sleep and Breathing, 2011, 15, 755-761.	0.9	57
20	Responses to hypoxia during early development. Respiratory Physiology and Neurobiology, 2003, 136, 115-129.	0.7	54
21	Increased neuronal cell death after intermittent hypercapnic hypoxia in the developing piglet brainstem. Brain Research, 2003, 985, 127-134.	1.1	53
22	Depression of ventilatory responses after daily, cyclic hypercapnic hypoxia in piglets. Journal of Applied Physiology, 2001, 90, 1065-1073.	1.2	50
23	Objective adherence to positive airway pressure therapy in an Australian paediatric cohort. Sleep and Breathing, 2016, 20, 1327-1336.	0.9	50
24	Long-term non-invasive ventilation therapies in children: A scoping review. Sleep Medicine Reviews, 2018, 37, 148-158.	3.8	49
25	Pharmacological and non-pharmacological management of sleep disturbance in children: An Australian Paediatric Research Network survey. Sleep Medicine, 2013, 14, 189-194.	0.8	47
26	Distraction osteogenesis and glossopexy for Robin sequence with airway obstruction. ANZ Journal of Surgery, 2011, 81, 320-325.	0.3	45
27	Race/Ethnicity Is Not Associated With Mortality in the PICU. Pediatrics, 2011, 127, e588-e597.	1.0	45
28	Sleep disorders in children. Medical Journal of Australia, 2013, 199, S31-5.	0.8	44
29	Developmental changes in sleep and breathing across infancy and childhood. Paediatric Respiratory Reviews, 2015, 16, 276-284.	1.2	44
30	NMDA Receptors in the Developing Brain and Effects of Noxious Insults. NeuroSignals, 2004, 13, 162-174.	0.5	42
31	Neurochemical abnormalities in the brainstem of the Sudden Infant Death Syndrome (SIDS). Paediatric Respiratory Reviews, 2014, 15, 293-300.	1.2	42
32	Habituation of Arousal Responses after Intermittent Hypercapnic Hypoxia in Piglets. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 1305-1311.	2.5	40
33	Cognition After Early Tonsillectomy for Mild OSA. Pediatrics, 2020, 145, .	1.0	40
34	The Effect of Acute Intermittent Hypercapnic Hypoxia Treatment on IL-6, TNF-α, and CRP Levels in Piglets. Sleep, 2007, 30, 723-727.	0.6	39
35	Immunolocalization of pro- and mature-brain derived neurotrophic factor (BDNF) and receptor TrkB in the human brainstem and hippocampus. Brain Research, 2010, 1354, 1-14.	1.1	36
36	Impact of Sleep and Breathing in Infancy on Outcomes at Three Years of Age for Children with Cleft Lip and/or Palate. Sleep, 2014, 37, 919-925.	0.6	36

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37	Site and mechanics of spontaneous, sleep-associated obstructive apnea in infants. Journal of Applied Physiology, 2000, 89, 2453-2462.	1.2	35
38	NMDA Receptor 1 Expression in the Brainstem of Human Infants and Its Relevance to the Sudden Infant Death Syndrome (SIDS). Journal of Neuropathology and Experimental Neurology, 2003, 62, 1076-1085.	0.9	34
39	Effects of cigarette smoke exposure on nicotinic acetylcholine receptor subunits α7 and β2 in the sudden infant death syndrome (SIDS) brainstem. Toxicology and Applied Pharmacology, 2011, 257, 396-404.	1.3	34
40	Polysomnography for the diagnosis of sleep disordered breathing in children under 2 years of age. Pediatric Pulmonology, 2015, 50, 1346-1353.	1.0	34
41	Respiratory difficulties and breathing disorders in achondroplasia. Paediatric Respiratory Reviews, 2013, 14, 250-255.	1.2	33
42	Effects of Obstructive Sleep Apnea and Obesity on Exercise Function in Children. Sleep, 2014, 37, 1103-1110.	0.6	33
43	Distribution of nicotinic acetylcholine receptor subunits $\hat{1}\pm7$ and $\hat{1}^22$ in the human brainstem and hippocampal formation. Journal of Chemical Neuroanatomy, 2010, 40, 223-231.	1.0	32
44	Decreased orexin (hypocretin) immunoreactivity in the hypothalamus and pontine nuclei in sudden infant death syndrome. Acta Neuropathologica, 2015, 130, 185-198.	3.9	32
45	Changes in serotoninergic receptors 1A and 2A in the piglet brainstem after intermittent hypercapnic hypoxia (IHH) and nicotine. Brain Research, 2007, 1152, 17-26.	1.1	30
46	Validation of the Sonomat Against PSG and Quantitative Measurement of Partial Upper Airway Obstruction in Children With Sleep-Disordered Breathing. Sleep, 2017, 40, .	0.6	30
47	The role of polysomnography in tracheostomy decannulation of the paediatric patient. International Journal of Pediatric Otorhinolaryngology, 2016, 83, 132-136.	0.4	29
48	The effects of nicotine on the alphaâ€7 and betaâ€2 nicotinic acetycholine receptor subunits in the developing piglet brainstem. International Journal of Developmental Neuroscience, 2010, 28, 1-7.	0.7	27
49	Distribution and quantification of NMDA R1 mRNA and protein in the piglet brainstem and effects of intermittent hypercapnic hypoxia (IHH). Brain Research, 2002, 951, 293-300.	1.1	26
50	Respiratory responses to rapid-onset, repetitive vs. continuous hypoxia in piglets. Respiration Physiology, 1996, 105, 135-142.	2.8	25
51	Expression of brain-derived neurotrophic factor and TrkB receptor in the sudden infant death syndrome brainstem. Respiratory Physiology and Neurobiology, 2012, 180, 25-33.	0.7	24
52	Is day stay adenotonsillectomy safe in children with mild to moderate obstructive sleep apnoea? A retrospective review of 100 patients. International Journal of Pediatric Otorhinolaryngology, 2014, 78, 71-74.	0.4	24
53	Brain-derived neurotrophic factor (BDNF) and TrkB in the piglet brainstem after post-natal nicotine and intermittent hypercapnic hypoxia. Brain Research, 2008, 1232, 195-205.	1.1	23
54	Adenotonsillectomy in the context of obstructive sleep apnoea. Paediatric Respiratory Reviews, 2009, 10, 25-31.	1.2	23

KAREN WATERS MBBS, FRACP

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55	Effects of changes in energy homeostasis and exposure of noxious insults on the expression of orexin (hypocretin) and its receptors in the brain. Brain Research, 2013, 1526, 102-122.	1.1	23
56	Exploratory study of sleeping patterns in children admitted to hospital. Journal of Paediatrics and Child Health, 2014, 50, 632-638.	0.4	23
57	The spectrum of obstructive sleep apnea in infants and children with Down Syndrome. International Journal of Pediatric Otorhinolaryngology, 2020, 129, 109763.	0.4	23
58	Influence of sleep state on frequency of swallowing, apnea, and arousal in human infants. Journal of Applied Physiology, 2003, 94, 2456-2464.	1.2	21
59	Ventilatory support at home for children: A joint position paper from the Thoracic Society of Australia and New Zealand/Australasian Sleep Association. Respirology, 2021, 26, 920-937.	1.3	21
60	Overnight Growth Hormone Secretion in Achondroplasia: Deconvolution Analysis, Correlation with Sleep State, and Changes after Treatment of Obstructive Sleep Apnea. Pediatric Research, 1996, 39, 547-553.	1.1	21
61	Role of NMDA receptors in development of respiratory control. Respiratory Physiology and Neurobiology, 2005, 149, 123-130.	0.7	20
62	Cigarette smoke exposure effects on the brainstem expression of nicotinic acetylcholine receptors (nAChRs), and on cardiac, respiratory and sleep physiologies. Respiratory Physiology and Neurobiology, 2019, 259, 1-15.	0.7	19
63	The management of advanced practitioner preparation: a work-based challenge. Journal of Nursing Management, 2009, 17, 584-593.	1.4	18
64	Congenital central hypoventilation syndrome: four families. Sleep and Breathing, 2011, 15, 785-789.	0.9	18
65	Proteomic MALDI-TOF/TOF-IMS examination of peptide expression in the formalin fixed brainstem and changes in sudden infant death syndrome infants. Journal of Proteomics, 2016, 138, 48-60.	1.2	18
66	Snoring and stertor are associated with more sleep disturbance than apneas and hypopneas in pediatric SDB. Sleep and Breathing, 2019, 23, 1245-1254.	0.9	18
67	Serotonin in the sudden infant death syndrome. Drug News and Perspectives, 2010, 23, 537.	1.9	18
68	Orexin receptors in the developing piglet hypothalamus, and effects of nicotine and intermittent hypercapnic hypoxia exposures. Brain Research, 2013, 1508, 73-82.	1.1	17
69	The dorsal motor nucleus of the vagus (DMNV) in sudden infant death syndrome (SIDS): Pathways leading to apoptosis. Respiratory Physiology and Neurobiology, 2013, 185, 203-210.	0.7	16
70	Postnatal nicotine effects on the expression of nicotinic acetylcholine receptors in the developing piglet hippocampus and brainstem. International Journal of Developmental Neuroscience, 2015, 47, 183-191.	0.7	16
71	Australasian Sleep Association clinical practice guidelines for performing sleep studies in children. Sleep Medicine, 2017, 36, S23-S42.	0.8	16
72	Retrieval of mRNA from paraffin-embedded human infant brain tissue for non-radioactive in situ hybridization using oligonucleotides. Journal of Neuroscience Methods, 2002, 115, 129-136.	1.3	15

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73	Genome-wide linkage of obstructive sleep apnoea and high-density lipoprotein cholesterol in a Filipino family: bivariate linkage analysis of obstructive sleep apnoea. Journal of Sleep Research, 2010, 19, 349-357.	1.7	15
74	Neuronal apoptosis in the brainstem medulla of sudden unexpected death in infancy (SUDI), and the importance of standardized SUDI classification. Forensic Science, Medicine, and Pathology, 2018, 14, 42-56.	0.6	15
75	Head turning and face-down positioning in prone-sleeping premature infants. Journal of Pediatrics, 1999, 134, 558-562.	0.9	14
76	A cross-sectional analysis of daytime versus nocturnal polysomnographic respiratory parameters in cystic fibrosis during early adolescence. Journal of Cystic Fibrosis, 2017, 16, 250-257.	0.3	13
77	Biochemical markers of cardiac dysfunction in children with obstructive sleep apnoea (OSA). Sleep and Breathing, 2019, 23, 95-101.	0.9	13
78	Cumulative effects of repetitive intermittent hypercapnic hypoxia on orexin in the developing piglet hypothalamus. International Journal of Developmental Neuroscience, 2016, 48, 1-8.	0.7	12
79	Effect of stimulus cycle time on acute respiratory responses to intermittent hypercapnic hypoxia in unsedated piglets. Journal of Applied Physiology, 2003, 94, 2465-2474.	1.2	11
80	Evaluation of the role of the rehabilitation assistant. International Journal of Therapy and Rehabilitation, 2004, 11, 311-317.	0.1	11
81	Long-term non-invasive ventilation therapies in children: a scoping review protocol: TableÂ1. BMJ Open, 2015, 5, e008697.	0.8	11
82	Rationale for and design of the "POSTA" study: Evaluation of neurocognitive outcomes after immediate adenotonsillectomy compared to watchful waiting in preschool children. BMC Pediatrics, 2017, 17, 47.	0.7	11
83	The α3 and α4 nicotinic acetylcholine receptor (nAChR) subunits in the brainstem medulla of sudden infant death syndrome (SIDS). Neurobiology of Disease, 2019, 125, 23-30.	2.1	11
84	Effects of post-mortem intervals on regional brain protein profiles in rats using SELDI-TOF-MS analysis. Neurochemistry International, 2010, 57, 655-661.	1.9	10
85	Assessing ventilatory control in infants at high risk of sleep disordered breathing: A study of infants with cleft lip and/or palate. Pediatric Pulmonology, 2013, 48, 265-273.	1.0	10
86	Changes in orexinergic immunoreactivity of the piglet hypothalamus and pons after exposure to chronic postnatal nicotine and intermittent hypercapnic hypoxia. European Journal of Neuroscience, 2016, 43, 1612-1622.	1.2	10
87	Comparison of Clinical Symptoms and Severity of Sleep Disordered Breathing in Children with and without Cleft Lip and/or Palate. Cleft Palate-Craniofacial Journal, 2017, 54, 523-529.	0.5	10
88	Promotion of the Unfolding Protein Response in Orexin/Dynorphin Neurons in Sudden Infant Death Syndrome (SIDS): Elevated pPERK and ATF4 Expression. Molecular Neurobiology, 2017, 54, 7171-7185.	1.9	9
89	Electrocorticographic activity during repeated vs continuous hypoxia in piglets. Brain Research Bulletin, 1996, 41, 185-192.	1.4	8
90	8. Investigation and treatment of upperâ€airway obstruction: childhood sleep disorders I. Medical Journal of Australia, 2005, 182, 419-423.	0.8	8

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91	Intermittent Hypercapnic Hypoxia Induced Protein Changes in the Piglet Hippocampus Identified by MALDI-TOF-MS. Neurochemical Research, 2009, 34, 2215-2225.	1.6	8
92	Cell death in the human infant central nervous system and in sudden infant death syndrome (SIDS). Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 46-61.	2.2	8
93	TcCO2changes correlate with partial obstruction in children suspected of sleep disordered breathing. Pediatric Pulmonology, 2020, 55, 2773-2781.	1.0	8
94	Risk factors for postoperative pulmonary complications in children with severely compromised pulmonary function secondary to severe scoliosis. Pediatric Pulmonology, 2020, 55, 2782-2790.	1.0	8
95	Immunostaining for NeuN Does Not Show all Mature and Healthy Neurons in the Human and Pig Brain: Focus on the Hippocampus. Applied Immunohistochemistry and Molecular Morphology, 2021, 29, e46-e56.	0.6	8
96	Cardiorespiratory Sleep Studies for Children Can Often Be Performed in the Home. Sleep, 1996, , .	0.6	7
97	Interventions in the paediatric sleep laboratory: The use and titration of respiratory support therapies. Paediatric Respiratory Reviews, 2008, 9, 181-192.	1.2	7
98	How effective is adenoidectomy alone for treatment of obstructive sleep apnoea in a child who presents with adenoid hypertrophy?. Journal of Paediatrics and Child Health, 2011, 47, 568-571.	0.4	7
99	Ambushed by Memories of Trauma: Memory-Processing Interventions in an Adolescent Boy with Nocturnal Dissociative Episodes. Harvard Review of Psychiatry, 2018, 26, 228-236.	0.9	7
100	Sleep disordered breathing (SDB) in neonates and implications for its long-term impact. Paediatric Respiratory Reviews, 2020, 34, 3-8.	1.2	7
101	Microglia in the human infant brain and factors that affect expression. Brain, Behavior, & Immunity - Health, 2020, 7, 100117.	1.3	7
102	Impact of COVID-19 lockdown on children with asthma in Jordan: a parental questionnaire. BMJ Paediatrics Open, 2021, 5, e001136.	0.6	7
103	Developmental and metabolic implications of the hypoxic ventilatory response. Paediatric Respiratory Reviews, 2004, 5, 173-181.	1.2	6
104	Tissue Fixation Effects on Immunohistochemical Staining of Caspase-3 in Brain Tissue. Applied Immunohistochemistry and Molecular Morphology, 2007, 15, 463-470.	0.6	6
105	Home continuous positive airway pressure for cardiopulmonary indications in infants and children. Sleep Medicine, 2018, 48, 86-92.	0.8	6
106	Sleep and Behavior 24 Months After Early Tonsillectomy for Mild OSA: An RCT. Pediatrics, 2021, 148, .	1.0	6
107	Intermittent hypercapnic hypoxia effects on the nicotinic acetylcholine receptors in the developing piglet hippocampus and brainstem. NeuroToxicology, 2017, 60, 23-33.	1.4	5
108	Cognitive parameters in children with mild obstructive sleep disordered breathing. Sleep and Breathing, 2021, 25, 1625-1634.	0.9	5

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109	A Novel Method of Tissue Collection and Storage: Validation Using SELDI-TOF MS Analysis. Clinical Chemistry, 2007, 53, 1387-1389.	1.5	4
110	Effects of acute intermittent hypercapnic hypoxia on insulin sensitivity in piglets using euglycemic clamp. Metabolism: Clinical and Experimental, 2008, 57, 1056-1063.	1.5	4
111	Letters to the Editor. Journal of Paediatrics and Child Health, 2009, 45, 622-623.	0.4	4
112	Routine vocal cord mobility assessment post cardiac surgery via median sternotomy approach. International Journal of Pediatric Otorhinolaryngology, 2020, 138, 110331.	0.4	4
113	Relationship between sleep respiration, architecture and childhood enuresis: Correlates between polysomnography and questionnaire. Journal of Paediatrics and Child Health, 2021, , .	0.4	4
114	Sudden Unexpected Death in Infancy [SUDI]: What the Clinician, Pathologist, Coroner and Researchers want to know. Paediatric Respiratory Reviews, 2021, , .	1.2	4
115	Inter-rater reliability of rehabilitation nurses and therapists. International Journal of Therapy and Rehabilitation, 2001, 8, 462-467.	0.1	3
116	Cytokines in sudden infant death syndrome. Lancet Neurology, The, 2004, 3, 81.	4.9	3
117	Motivation for change in the health care of children with developmental disabilities: Pilot continuing professional developmentâ€quality improvement project. Journal of Paediatrics and Child Health, 2021, 57, 212-218.	0.4	3
118	Expression of reelin with age in the human hippocampal formation. Hippocampus, 2021, 31, 493-502.	0.9	3
119	Regional oxygenation, perfusion and body and/or head position: Are preterm infants adversely impacted? A Systematic Review. Paediatric Respiratory Reviews, 2021, , .	1.2	3
120	Sleep in children and young adults with cystic fibrosis. Paediatric Respiratory Reviews, 2021, , .	1.2	3
121	Repeated microdialysis from the nucleus tractus solitarii of chronically instrumented, unsedated piglets. International Journal of Neuroscience, 1997, 92, 53-61.	0.8	2
122	Correlations between polysomnographic and lateral airway radiograph measurements in paediatric obstructive sleep apnoea. Journal of Paediatrics and Child Health, 2013, 49, 445-451.	0.4	2
123	SIDS symposium – A perspective for future research. Paediatric Respiratory Reviews, 2014, 15, 285-286.	1.2	2
124	Morphology of the Dentate Gyrus in a Large Cohort of Sudden Infant Deaths—Interrelation Between Features but Not Diagnosis. Journal of Neuropathology and Experimental Neurology, 2022, 81, 61-75.	0.9	2
125	Use of guidelines when planning home care of a girl with severe congenital myopathy. Journal of Paediatrics and Child Health, 2016, 52, 7-10.	0.4	1
126	Positioning as a Conservative Treatment Option in Infants with micrognathia and/or cleft. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101282.	1.1	1

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127	The management of upper airway obstruction in Pierre Robin Sequence. Paediatric Respiratory Reviews, 2023, 45, 11-15.	1.2	1
128	Longitudinal Neuro-Cognitive Follow-Up Of Infants At High Risk Of Sleep Disordered Breathing. , 2011, ,		0
129	Snoring in children. Journal of Paediatrics and Child Health, 2015, 51, 847-851.	0.4	0
130	Brain Orexin Receptors and Nicotine. , 2016, , 133-145.		0
131	The Unfolded Protein Response in the Human Infant Brain and Dysregulation Seen in Sudden Infant Death Syndrome (SIDS). Molecular Neurobiology, 2021, 58, 2242-2255.	1.9	0
132	Survey of the practices of neonatologists in managing neonates believed to be at high risk of sleep disordered breathing. BMJ Paediatrics Open, 2021, 5, e000979.	0.6	0
133	552 Impact of Adenotonsillectomy on Growth Trajectories in Preschool Children with Mild Obstructive Sleep Apnea. Sleep, 2021, 44, A218-A219.	0.6	0
134	Genes involved in paediatric apnoea and death based on knockout animal models: Implications for sudden infant death syndrome (SIDS). Paediatric Respiratory Reviews, 2022, 44, 53-60.	1.2	0
135	Head Turning and Face-Down Positioning in Prone-Sleeping Premature Infants. Pediatric Research, 1999, 45, 39A-39A.	1.1	0
136	Cheyne-stokes respiration in children with heart failure. Paediatric Respiratory Reviews, 2022, , .	1.2	0