Sari Leena J Himanen

List of Publications by Year
in descending order

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80	2,188	304743	243625
papers	citations	22 h-index	44 g-index

81	81	81	2517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large Intraneural Ganglion Cyst in the Peroneal Nerve. Case Reports in Neurology, 2022, 14, 44-50.	0.7	0
2	Snoring toddlers with and without obstructive sleep apnoea differed with regard to snoring time, adenoid size and mouth breathing. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 977-984.	1.5	2
3	Reduction in median nerve cross-sectional area at the forearm correlates with axon loss in carpal tunnel syndrome. Clinical Neurophysiology Practice, 2021, 6, 209-214.	1.4	5
4	The Effects of Genetic Background for Diurnal Preference on Sleep Development in Early Childhood. Nature and Science of Sleep, 2021, Volume 13, 219-228.	2.7	8
5	Nighttime melatonin secretion and sleep architecture: different associations in perimenopausal and postmenopausal women. Sleep Medicine, 2021, 81, 52-61.	1.6	2
6	The Neurophysiological Severity of Carpal Tunnel Syndrome Cannot Be Predicted by Median Nerve Cross-Sectional Area and Wrist-to-Forearm Ratio. Journal of Clinical Neurophysiology, 2021, 38, 312-316.	1.7	7
7	Sleep architecture is related to the season of PSG recording in 8-month-old infants. Chronobiology International, 2020, 37, 921-934.	2.0	5
8	Slow-wave activity and sigma activities are associated with psychomotor development at 8 months of age. Sleep, 2020, 43, .	1.1	8
9	Sleep architecture is related to birth season in 1-month-old infants. Chronobiology International, 2019, 36, 1217-1226.	2.0	6
10	Effect of Maxillomandibular Advancement Surgery on Pharyngeal Airway Volume and Polysomnography Data in Obstructive Sleep Apnea Patients. Journal of Oral and Maxillofacial Surgery, 2019, 77, 1695-1702.	1.2	9
11	Craniofacial and occlusal development in 2.5-year-old children with obstructive sleep apnoea syndrome. European Journal of Orthodontics, 2019, 41, 316-321.	2.4	8
12	Sleep Spindle Features and Neurobehavioral Performance in Healthy School-Aged Children. Journal of Clinical Neurophysiology, 2019, Publish Ahead of Print, 149-155.	1.7	3
13	Local changes in computational non-rapid eye movement sleep depth in infants. Clinical Neurophysiology, 2018, 129, 448-454.	1.5	1
14	Underâ€reporting of nocturnal seizures using videoâ€based home monitoring: a case study on the evaluation of the effect of vagal nerve stimulation. Epileptic Disorders, 2018, 20, 535-540.	1.3	7
15	Prolonged partial obstruction during sleep is a NREM phenomenon. Respiratory Physiology and Neurobiology, 2018, 255, 43-49.	1.6	3
16	Detection and Assessment of Sleep-Disordered Breathing with Emfit Mattress. IFMBE Proceedings, 2018, , 173-176.	0.3	1
17	Time characteristics of prolonged partial obstruction periods using an Emfit mattress. IFMBE Proceedings, 2018, , 775-778.	0.3	0
18	Sleep During Menopausal Transition: A 6-Year Follow-Up. Sleep, 2017, 40, .	1.1	55

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19	Assessment of support vector machines and convolutional neural networks to detect snoring using Emfit mattress. , 2017, 2017, 2883-2886.		1
20	Local Differences in Computational Sleep Depth Parameters in Healthy School-aged Children. Clinical EEG and Neuroscience, 2017, 48, 393-402.	1.7	0
21	CPAP Treatment Partly Normalizes Sleep Spindle Features in Obstructive Sleep Apnea. Sleep Disorders, 2017, 2017, 1-10.	1.4	22
22	Variants in calcium voltage-gated channel subunit Alpha1 C-gene (CACNA1C) are associated with sleep latency in infants. PLoS ONE, 2017, 12, e0180652.	2.5	13
23	Sleep apnea reduces the amount of computational deep sleep in the right frontopolar area in school-aged children. Clinical Neurophysiology, 2016, 127, 2167-2174.	1.5	7
24	Autonomic Arousal Response Habituation to Social Stimuli Among Children with Asd. Journal of Autism and Developmental Disorders, 2016, 46, 3688-3699.	2.7	9
25	Spectral analysis of snoring events from an Emfit mattress. Physiological Measurement, 2016, 37, 2130-2143.	2.1	11
26	Prolonged partial upper airway obstruction during sleep â€“ an underdiagnosed phenotype of sleep-disordered breathing. European Clinical Respiratory Journal, 2016, 3, 31806.	1.5	26
27	The adapted American Academy of Sleep Medicine sleep scoring criteria in one month old infants: A means to improve comparability?. Clinical Neurophysiology, 2016, 127, 1410-1418.	1.5	13
28	Assessment of respiratory effort during sleep with noninvasive techniques. Sleep Medicine Reviews, 2015, 24, 103-104.	8.5	1
29	Evaluation of the different sleep-disordered breathing patterns of the compressed tracheal sound. Clinical Neurophysiology, 2015, 126, 1557-1563.	1.5	2
30	Heart rate variability evaluation of Emfit sleep mattress breathing categories in NREM sleep. Clinical Neurophysiology, 2015, 126, 967-974.	1.5	7
31	Screening Sleep Disordered Breathing in Stroke Unit. Sleep Disorders, 2014, 2014, 1-7.	1.4	11
32	EEG, evoked potentials and pulsed Doppler in asphyxiated term infants. Clinical Neurophysiology, 2014, 125, 1757-1763.	1.5	8
33	The relationship between mood and sleep in different female reproductive states. BMC Psychiatry, 2014, 14, 177.	2.6	26
34	Emfit movement sensor in evaluating nocturnal breathing. Respiratory Physiology and Neurobiology, 2013, 187, 183-189.	1.6	38
35	No Serological Evidence of Influenza A H1N1pdm09 Virus Infection as a Contributing Factor in Childhood Narcolepsy after Pandemrix Vaccination Campaign in Finland. PLoS ONE, 2013, 8, e68402.	2.5	45
36	Autonomic Arousal to Direct Gaze Correlates with Social Impairments Among Children with ASD. Journal of Autism and Developmental Disorders, 2012, 42, 1917-1927.	2.7	54

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37	The temporal relationship between growth hormone and slow wave sleep is weaker after menopause. Sleep Medicine, 2012, 13, 96-101.	1.6	4
38	AS03 Adjuvanted AH1N1 Vaccine Associated with an Abrupt Increase in the Incidence of Childhood Narcolepsy in Finland. PLoS ONE, 2012, 7, e33536.	2.5	443
39	Identification of Deep Sleep and Awake with Computational EEG Measures. Journal of Medical Systems, 2011, 35, 1413-1420.	3.6	4
40	Increased respiratory effort during sleep is non-invasively detected with movement sensor. Sleep and Breathing, 2011, 15, 737-746.	1.7	24
41	Executive Dysfunction and Learning Effect after Continuous Positive Airway Pressure Treatment in Patients with Obstructive Sleep Apnea Syndrome. European Neurology, 2010, 63, 215-220.	1.4	29
42	Snoring seconds detection with EMFi sensor strips. , 2010, , .		2
43	Executive Dysfunction in Patients with Obstructive Sleep Apnea Syndrome. European Neurology, 2009, 62, 237-242.	1.4	44
44	Visual Dysfunction and Computational Sleep Depth Changes in Obstructive Sleep Apnea Syndrome. Clinical EEG and Neuroscience, 2009, 40, 162-167.	1.7	24
45	Periodic limb movement screening as an additional feature of Emfit sensor in sleep-disordered breathing studies. Journal of Neuroscience Methods, 2009, 178, 157-161.	2.5	16
46	Sleep stage classification with low complexity and low bit rate. , 2009, 2009, 2506-9.		1
47	Compressed tracheal sound analysis in screening of sleep-disordered breathing. Clinical Neurophysiology, 2008, 119, 2037-2043.	1.5	11
48	Automatic sleep detection using activity and facial electrodes. , 2008, 2008, 1639-42.		3
49	Sleep and the menopause â€“ do postmenopausal women experience worse sleep than premenopausal women?. Menopause International, 2008, 14, 97-104.	1.6	65
50	Automatic sleep stage classification using two facial electrodes. , 2008, 2008, 1643-6.		12
51	Reducing the Effects of Electrocardiographic Artifacts on Electro-oculography in Automatic Sleep Analysis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 590-3.	0.5	2
52	nCPAP Treatment of Obstructive Sleep Apnea Increases Slow Wave Sleep in Prefrontal EEG. Clinical EEG and Neuroscience, 2007, 38, 148-154.	1.7	9
53	Automatic detection of slow wave sleep using two channel electro-oculography. Journal of Neuroscience Methods, 2007, 160, 171-177.	2.5	19
54	Development and comparison of four sleep spindle detection methods. Artificial Intelligence in Medicine, 2007, 40, 157-170.	6.5	91

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55	The use of two-channel electro-oculography in automatic detection of unintentional sleep onset. Journal of Neuroscience Methods, 2007, 163, 137-144.	2.5	21
56	Automatic sleep stage classification using two-channel electro-oculography. Journal of Neuroscience Methods, 2007, 166, 109-115.	2.5	109
57	Systematic performance evaluation of a continuous-scale sleep depth measure. Medical Engineering and Physics, 2007, 29, 1119-1131.	1.7	14
58	Apnea patients show a frontopolar inter-hemispheric spindle frequency difference. Neuroscience Letters, 2006, 403, 186-189.	2.1	2
59	Sleep deprivation and hormone therapy in postmenopausal women. Sleep Medicine, 2006, 7, 436-447.	1.6	32
60	Determination of dominant simulated spindle frequency with different methods. Journal of Neuroscience Methods, 2006, 156, 275-283.	2.5	24
61	Automatic detection of spiking events in EMFi sheet during sleep. Medical Engineering and Physics, 2006, 28, 267-275.	1.7	34
62	Topographic differences in mean computational sleep depth between healthy controls and obstructive sleep apnoea patients. Journal of Neuroscience Methods, 2006, 157, 178-184.	2.5	7
63	Computer program for automated sleep depth estimation. Computer Methods and Programs in Biomedicine, 2006, 82, 58-66.	4.7	13
64	Comparison of the Properties of EEG Spindles in Sleep and Propofol Anesthesia. , 2006, 2006, 6356-9.		30
65	Comparison of the Properties of EEG Spindles in Sleep and Propofol Anesthesia. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	2
66	Anteroposterior Difference in EEG Sleep Depth Measure is Reduced in Apnea Patients. Journal of Medical Systems, 2005, 29, 527-538.	3.6	11
67	An E-Health Solution for Automatic Sleep Classification according to Rechtschaffen and Kales: Validation Study of the Somnolyzer 24 Â— 7 Utilizing the Siesta Database. Neuropsychobiology, 2005, 51, 115-133.	1.9	251
68	Automated Frequency Analysis of Synchronous and Diffuse Sleep Spindles. Neuropsychobiology, 2005, 51, 256-264.	1.9	12
69	Response to â€œSleep Spindles: An Overviewâ€• Sleep Medicine Reviews, 2004, 8, 149.	8.5	0
70	Automatic quantification of light sleep shows differences between apnea patients and healthy subjects. International Journal of Psychophysiology, 2004, 51, 223-230.	1.0	11
71	Visual Assessment of Selected High Amplitude Frontopolar Slow Waves of Sleep: Differences between Healthy Subjects and Apnea Patients. Clinical EEG and Neuroscience, 2004, 35, 125-131.	1.7	17
72	Sleep depth oscillations: an aspect to consider in automatic sleep analysis. Journal of Medical Systems, 2003, 27, 337-345.	3.6	15

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73	Spindle frequency remains slow in sleep apnea patientsthroughout the night. Sleep Medicine, 2003, 4, 229-234.	1.6	25
74	Erratum to â€œSpindle frequency remains slow in sleep apnea patientsthroughout the nightâ€•[Sleep Med 4 (2003) 229â€“234]. Sleep Medicine, 2003, 4, 359.	1.6	0
75	Spindle frequency remains slow in sleep apnea patientsthroughout the night. Sleep Medicine, 2003, 4, 361-366.	1.6	36
76	Occurrence of Periodic Sleep Spindles within and across Non-REM Sleep Episodes. Neuropsychobiology, 2003, 48, 209-216.	1.9	7
77	A Study on Gender and Age Differences in Sleep Spindles. Neuropsychobiology, 2002, 45, 99-105.	1.9	51
78	Fuzzy detection of EEG alpha without amplitude thresholding. Artificial Intelligence in Medicine, 2002, 24, 133-147.	6.5	15
79	Spindle frequencies in sleep EEG show Uâ€shape within first four NREM sleep episodes. Journal of Sleep Research, 2002, 11, 35-42.	3.2	71
80	Limitations of Rechtschaffen and Kales. Sleep Medicine Reviews, 2000, 4, 149-167.	8.5	148