

# Sari Leena J Himanen

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,188  
citations

304743

22  
h-index

243625

44  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2517  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	An E-Health Solution for Automatic Sleep Classification according to Rechtschaffen and Kales: Validation Study of the Somnolyzer 24 Å— 7 Utilizing the Siesta Database. Neuropsychobiology, 2005, 51, 115-133.	1.9	251
3	Limitations of Rechtschaffen and Kales. Sleep Medicine Reviews, 2000, 4, 149-167.	8.5	148
4	Automatic sleep stage classification using two-channel electro-oculography. Journal of Neuroscience Methods, 2007, 166, 109-115.	2.5	109
5	Development and comparison of four sleep spindle detection methods. Artificial Intelligence in Medicine, 2007, 40, 157-170.	6.5	91
6	Spindle frequencies in sleep EEG show U-shaped within first four NREM sleep episodes. Journal of Sleep Research, 2002, 11, 35-42.	3.2	71
7	Sleep and the menopause – do postmenopausal women experience worse sleep than premenopausal women?. Menopause International, 2008, 14, 97-104.	1.6	65
8	Sleep During Menopausal Transition: A 6-Year Follow-Up. Sleep, 2017, 40, .	1.1	55
9	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
10	A Study on Gender and Age Differences in Sleep Spindles. Neuropsychobiology, 2002, 45, 99-105.	1.9	51
11	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
12	Executive Dysfunction in Patients with Obstructive Sleep Apnea Syndrome. European Neurology, 2009, 62, 237-242.	1.4	44
13	Emfit movement sensor in evaluating nocturnal breathing. Respiratory Physiology and Neurobiology, 2013, 187, 183-189.	1.6	38
14	Spindle frequency remains slow in sleep apnea patients throughout the night. Sleep Medicine, 2003, 4, 361-366.	1.6	36
15	Automatic detection of spiking events in EMFi sheet during sleep. Medical Engineering and Physics, 2006, 28, 267-275.	1.7	34
16	Sleep deprivation and hormone therapy in postmenopausal women. Sleep Medicine, 2006, 7, 436-447.	1.6	32
17	Comparison of the Properties of EEG Spindles in Sleep and Propofol Anesthesia. , 2006, 2006, 6356-9.		30
18	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

#	ARTICLE	IF	CITATIONS
19	The relationship between mood and sleep in different female reproductive states. <i>BMC Psychiatry</i> , 2014, 14, 177.	2.6	26
20	Prolonged partial upper airway obstruction during sleep – an underdiagnosed phenotype of sleep-disordered breathing. <i>European Clinical Respiratory Journal</i> , 2016, 3, 31806.	1.5	26
21	Spindle frequency remains slow in sleep apnea patients throughout the night. <i>Sleep Medicine</i> , 2003, 4, 229-234.	1.6	25
22	Determination of dominant simulated spindle frequency with different methods. <i>Journal of Neuroscience Methods</i> , 2006, 156, 275-283.	2.5	24
23	Visual Dysfunction and Computational Sleep Depth Changes in Obstructive Sleep Apnea Syndrome. <i>Clinical EEG and Neuroscience</i> , 2009, 40, 162-167.	1.7	24
24	Increased respiratory effort during sleep is non-invasively detected with movement sensor. <i>Sleep and Breathing</i> , 2011, 15, 737-746.	1.7	24
25	CPAP Treatment Partly Normalizes Sleep Spindle Features in Obstructive Sleep Apnea. <i>Sleep Disorders</i> , 2017, 2017, 1-10.	1.4	22
26	The use of two-channel electro-oculography in automatic detection of unintentional sleep onset. <i>Journal of Neuroscience Methods</i> , 2007, 163, 137-144.	2.5	21
27	Automatic detection of slow wave sleep using two channel electro-oculography. <i>Journal of Neuroscience Methods</i> , 2007, 160, 171-177.	2.5	19
28	Visual Assessment of Selected High Amplitude Frontopolar Slow Waves of Sleep: Differences between Healthy Subjects and Apnea Patients. <i>Clinical EEG and Neuroscience</i> , 2004, 35, 125-131.	1.7	17
29	Periodic limb movement screening as an additional feature of Emfit sensor in sleep-disordered breathing studies. <i>Journal of Neuroscience Methods</i> , 2009, 178, 157-161.	2.5	16
30	Fuzzy detection of EEG alpha without amplitude thresholding. <i>Artificial Intelligence in Medicine</i> , 2002, 24, 133-147.	6.5	15
31	Sleep depth oscillations: an aspect to consider in automatic sleep analysis. <i>Journal of Medical Systems</i> , 2003, 27, 337-345.	3.6	15
32	Systematic performance evaluation of a continuous-scale sleep depth measure. <i>Medical Engineering and Physics</i> , 2007, 29, 1119-1131.	1.7	14
33	Computer program for automated sleep depth estimation. <i>Computer Methods and Programs in Biomedicine</i> , 2006, 82, 58-66.	4.7	13
34	The adapted American Academy of Sleep Medicine sleep scoring criteria in one month old infants: A means to improve comparability?. <i>Clinical Neurophysiology</i> , 2016, 127, 1410-1418.	1.5	13
35	Variants in calcium voltage-gated channel subunit Alpha1 C-gene (CACNA1C) are associated with sleep latency in infants. <i>PLoS ONE</i> , 2017, 12, e0180652.	2.5	13
36	Automated Frequency Analysis of Synchronous and Diffuse Sleep Spindles. <i>Neuropsychobiology</i> , 2005, 51, 256-264.	1.9	12

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37	Automatic sleep stage classification using two facial electrodes. , 2008, 2008, 1643-6.		12
38	Automatic quantification of light sleep shows differences between apnea patients and healthy subjects. International Journal of Psychophysiology, 2004, 51, 223-230.	1.0	11
39	Anteroposterior Difference in EEG Sleep Depth Measure is Reduced in Apnea Patients. Journal of Medical Systems, 2005, 29, 527-538.	3.6	11
40	Compressed tracheal sound analysis in screening of sleep-disordered breathing. Clinical Neurophysiology, 2008, 119, 2037-2043.	1.5	11
41	Screening Sleep Disordered Breathing in Stroke Unit. Sleep Disorders, 2014, 2014, 1-7.	1.4	11
42	Spectral analysis of snoring events from an Emfit mattress. Physiological Measurement, 2016, 37, 2130-2143.	2.1	11
43	nCPAP Treatment of Obstructive Sleep Apnea Increases Slow Wave Sleep in Prefrontal EEG. Clinical EEG and Neuroscience, 2007, 38, 148-154.	1.7	9
44	Autonomic Arousal Response Habituation to Social Stimuli Among Children with Asd. Journal of Autism and Developmental Disorders, 2016, 46, 3688-3699.	2.7	9
45	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
46	EEG, evoked potentials and pulsed Doppler in asphyxiated term infants. Clinical Neurophysiology, 2014, 125, 1757-1763.	1.5	8
47	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
48	Slow-wave activity and sigma activities are associated with psychomotor development at 8 months of age. Sleep, 2020, 43, .	1.1	8
49	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
50	Occurrence of Periodic Sleep Spindles within and across Non-REM Sleep Episodes. Neuropsychobiology, 2003, 48, 209-216.	1.9	7
51	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
52	Heart rate variability evaluation of Emfit sleep mattress breathing categories in NREM sleep. Clinical Neurophysiology, 2015, 126, 967-974.	1.5	7
53	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
54	Under-reporting of nocturnal seizures using video-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

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55	The Neurophysiological Severity of Carpal Tunnel Syndrome Cannot Be Predicted by Median Nerve Cross-Sectional Area and Wrist-to-Forearm Ratio. <i>Journal of Clinical Neurophysiology</i> , 2021, 38, 312-316.	1.7	7
56	Sleep architecture is related to birth season in 1-month-old infants. <i>Chronobiology International</i> , 2019, 36, 1217-1226.	2.0	6
57	Sleep architecture is related to the season of PSG recording in 8-month-old infants. <i>Chronobiology International</i> , 2020, 37, 921-934.	2.0	5
58	Reduction in median nerve cross-sectional area at the forearm correlates with axon loss in carpal tunnel syndrome. <i>Clinical Neurophysiology Practice</i> , 2021, 6, 209-214.	1.4	5
59	Identification of Deep Sleep and Awake with Computational EEG Measures. <i>Journal of Medical Systems</i> , 2011, 35, 1413-1420.	3.6	4
60	The temporal relationship between growth hormone and slow wave sleep is weaker after menopause. <i>Sleep Medicine</i> , 2012, 13, 96-101.	1.6	4
61	Automatic sleep detection using activity and facial electrodes. , 2008, 2008, 1639-42.		3
62	Prolonged partial obstruction during sleep is a NREM phenomenon. <i>Respiratory Physiology and Neurobiology</i> , 2018, 255, 43-49.	1.6	3
63	Sleep Spindle Features and Neurobehavioral Performance in Healthy School-Aged Children. <i>Journal of Clinical Neurophysiology</i> , 2019, Publish Ahead of Print, 149-155.	1.7	3
64	Apnea patients show a frontopolar inter-hemispheric spindle frequency difference. <i>Neuroscience Letters</i> , 2006, 403, 186-189.	2.1	2
65	Reducing the Effects of Electrocardiographic Artifacts on Electro-oculography in Automatic Sleep Analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 590-3.	0.5	2
66	Snoring seconds detection with EMFi sensor strips. , 2010, , .		2
67	Evaluation of the different sleep-disordered breathing patterns of the compressed tracheal sound. <i>Clinical Neurophysiology</i> , 2015, 126, 1557-1563.	1.5	2
68	Snoring toddlers with and without obstructive sleep apnoea differed with regard to snoring time, adenoid size and mouth breathing. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 977-984.	1.5	2
69	Nighttime melatonin secretion and sleep architecture: different associations in perimenopausal and postmenopausal women. <i>Sleep Medicine</i> , 2021, 81, 52-61.	1.6	2
70	Comparison of the Properties of EEG Spindles in Sleep and Propofol Anesthesia. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .	0.5	2
71	Sleep stage classification with low complexity and low bit rate. , 2009, 2009, 2506-9.		1
72	Assessment of respiratory effort during sleep with noninvasive techniques. <i>Sleep Medicine Reviews</i> , 2015, 24, 103-104.	8.5	1

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73	Assessment of support vector machines and convolutional neural networks to detect snoring using Emfit mattress. , 2017, 2017, 2883-2886.		1
74	Local changes in computational non-rapid eye movement sleep depth in infants. Clinical Neurophysiology, 2018, 129, 448-454.	1.5	1
75	Detection and Assessment of Sleep-Disordered Breathing with Emfit Mattress. IFMBE Proceedings, 2018, , 173-176.	0.3	1
76	Erratum to "Spindle frequency remains slow in sleep apnea patients throughout the night" [Sleep Med 4 (2003) 229-234]. Sleep Medicine, 2003, 4, 359.	1.6	0
77	Response to "Sleep Spindles: An Overview" Sleep Medicine Reviews, 2004, 8, 149.	8.5	0
78	Local Differences in Computational Sleep Depth Parameters in Healthy School-aged Children. Clinical EEG and Neuroscience, 2017, 48, 393-402.	1.7	0
79	Time characteristics of prolonged partial obstruction periods using an Emfit mattress. IFMBE Proceedings, 2018, , 775-778.	0.3	0
80	Large Intra-neural Ganglion Cyst in the Peroneal Nerve. Case Reports in Neurology, 2022, 14, 44-50.	0.7	0