

Ludger Grote

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

5,301
citations

94269

37
h-index

88477

70
g-index

122
all docs

122
docs citations

122
times ranked

4088
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Nasal Continuous Positive Airway Pressure Treatment on Blood Pressure in Patients With Obstructive Sleep Apnea. <i>Circulation</i> , 2003, 107, 68-73.	1.6	844
2	Definition, discrimination, diagnosis and treatment of central breathing disturbances during sleep. <i>European Respiratory Journal</i> , 2017, 49, 1600959.	3.1	239
3	Diabetes Mellitus Prevalence and Control in Sleep-Disordered Breathing. <i>Chest</i> , 2014, 146, 982-990.	0.4	192
4	Sleep-related Breathing Disorder Is an Independent Risk Factor for Systemic Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 160, 1875-1882.	2.5	189
5	On the rise and fall of the apnea-hypopnea index: A historical review and critical appraisal. <i>Journal of Sleep Research</i> , 2020, 29, e13066.	1.7	167
6	Challenges and perspectives in obstructive sleep apnoea. <i>European Respiratory Journal</i> , 2018, 52, 1702616.	3.1	166
7	Validation a Portable Monitoring Device for Sleep Apnea Diagnosis in a Population Based Cohort Using Synchronized Home Polysomnography. <i>Sleep</i> , 2006, 29, 367-374.	0.6	144
8	Sleep Apnea Related Risk of Motor Vehicle Accidents is Reduced by Continuous Positive Airway Pressure: Swedish Traffic Accident Registry Data. <i>Sleep</i> , 2015, 38, 341-349.	0.6	135
9	Therapy with nCPAP: incomplete elimination of Sleep Related Breathing Disorder. <i>European Respiratory Journal</i> , 2000, 16, 921-927.	3.1	129
10	The European Sleep Apnoea Database (ESADA): report from 22 European sleep laboratories. <i>European Respiratory Journal</i> , 2011, 38, 635-642.	3.1	123
11	Sleepiness at the wheel across Europe: a survey of 19 countries. <i>Journal of Sleep Research</i> , 2015, 24, 242-253.	1.7	123
12	Nocturnal intermittent hypoxia predicts prevalent hypertension in the European Sleep Apnoea Database cohort study. <i>European Respiratory Journal</i> , 2014, 44, 931-941.	3.1	118
13	Clinical Phenotypes and Comorbidity in European Sleep Apnoea Patients. <i>PLoS ONE</i> , 2016, 11, e0163439.	1.1	118
14	A randomized, double-blind, placebo controlled, multi-center study of intravenous iron sucrose and placebo in the treatment of restless legs syndrome. <i>Movement Disorders</i> , 2009, 24, 1445-1452.	2.2	116
15	Sleep Staging Based on Autonomic Signals: A Multi-Center Validation Study. <i>Journal of Clinical Sleep Medicine</i> , 2011, 07, 301-306.	1.4	114
16	The diagnostic method has a strong influence on classification of obstructive sleep apnea. <i>Journal of Sleep Research</i> , 2015, 24, 730-738.	1.7	95
17	Reduced \dot{V}_E and \dot{V}_E -Adrenergic Vascular Response in Patients with Obstructive Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000, 162, 1480-1487.	2.5	81
18	Sympathetic activity is reduced by nCPAP in hypertensive obstructive sleep apnoea patients. <i>European Respiratory Journal</i> , 2004, 23, 255-262.	3.1	81

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19	Sleep apnoea management in Europe during the COVID-19 pandemic: data from the European Sleep Apnoea Database (ESADA). <i>European Respiratory Journal</i> , 2020, 55, 2001323.	3.1	77
20	Sleep in chronic respiratory disease: COPD and hypoventilation disorders. <i>European Respiratory Review</i> , 2019, 28, 190064.	3.0	69
21	Sleep apnoea severity independently predicts glycaemic health in nondiabetic subjects: the ESADA study. <i>European Respiratory Journal</i> , 2014, 44, 130-139.	3.1	65
22	Acetazolamide Reduces Blood Pressure and Sleep-Disordered Breathing in Patients With Hypertension and Obstructive Sleep Apnea: A Randomized Controlled Trial. <i>Journal of Clinical Sleep Medicine</i> , 2018, 14, 309-317.	1.4	63
23	Obstructive sleep apnoea independently predicts lipid levels: Data from the European Sleep Apnea Database. <i>Respirology</i> , 2018, 23, 1180-1189.	1.3	62
24	EAN/ERS/ESO/ESRS statement on the impact of sleep disorders on risk and outcome of stroke. <i>European Respiratory Journal</i> , 2020, 55, 1901104.	3.1	61
25	Medico-legal implications of sleep apnoea syndrome: Driving license regulations in Europe. <i>Sleep Medicine</i> , 2008, 9, 362-375.	0.8	60
26	Chronic kidney disease in European patients with obstructive sleep apnea: the ESADA cohort study. <i>Journal of Sleep Research</i> , 2016, 25, 739-745.	1.7	59
27	Management of obstructive sleep apnea in Europe. <i>Sleep Medicine</i> , 2011, 12, 190-197.	0.8	53
28	Finger plethysmography—a method for monitoring finger blood flow during sleep disordered breathing. <i>Respiratory Physiology and Neurobiology</i> , 2003, 136, 141-152.	0.7	51
29	Nasal high-flow therapy reduces work of breathing compared with oxygen during sleep in COPD and smoking controls: a prospective observational study. <i>Journal of Applied Physiology</i> , 2017, 122, 82-88.	1.2	51
30	Obstructive Apneic Events Induce Alpha-receptor Mediated Digital Vasoconstriction. <i>Sleep</i> , 2004, 27, 485-489.	0.6	50
31	Reductions in dead space ventilation with nasal high flow depend on physiological dead space volume: metabolic hood measurements during sleep in patients with COPD and controls. <i>European Respiratory Journal</i> , 2018, 51, 1702251.	3.1	50
32	EAN/ERS/ESO/ESRS statement on the impact of sleep disorders on risk and outcome of stroke. <i>European Journal of Neurology</i> , 2020, 27, 1117-1136.	1.7	49
33	The Link between Sleep Apnea and Cardiovascular Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 163, 5-6.	2.5	47
34	Driving habits and risk factors for traffic accidents among sleep apnea patients—a European multicentre cohort study. <i>Journal of Sleep Research</i> , 2014, 23, 689-699.	1.7	46
35	Challenges in obstructive sleep apnoea. <i>Lancet Respiratory Medicine</i> , 2018, 6, 170-172.	5.2	45
36	Zonisamide reduces obstructive sleep apnoea: a randomised placebo-controlled study. <i>European Respiratory Journal</i> , 2014, 44, 140-149.	3.1	44

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37	Impaired vigilance and increased accident rate in public transport operators is associated with sleep disorders. <i>Accident Analysis and Prevention</i> , 2013, 51, 208-214.	3.0	42
38	Mild obstructive sleep apnea increases hypertension risk, challenging traditional severity classification. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 889-898.	1.4	37
39	Evaluation of a multicomponent grading system for obstructive sleep apnoea: the Baveno classification. <i>ERJ Open Research</i> , 2021, 7, 00928-2020.	1.1	36
40	Clusters of sleep apnoea phenotypes: A large pan-European study from the European Sleep Apnoea Database (ESADA). <i>Respirology</i> , 2021, 26, 378-387.	1.3	34
41	A Randomized Controlled Clinical Trial Exploring Safety and Tolerability of Sulthiame in Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1461-1469.	2.5	34
42	Carbonic anhydrase, obstructive sleep apnea and hypertension: Effects of intervention. <i>Journal of Sleep Research</i> , 2020, 29, e12956.	1.7	33
43	The Heart Rate Response to Exercise Is Blunted in Patients with Sleep-Related Breathing Disorder. <i>Cardiology</i> , 2004, 102, 93-99.	0.6	31
44	Sleep apnoea and quality of life in growth hormone (GH)-deficient adults before and after 6 months of GH replacement therapy. <i>Clinical Endocrinology</i> , 2006, 65, 98-105.	1.2	31
45	Sleep laboratories reopening and COVID-19: a European perspective. <i>European Respiratory Journal</i> , 2021, 57, 2002722.	3.1	31
46	Fixed But Not Autoadjusting Positive Airway Pressure Attenuates the Time-dependent Decline in Glomerular Filtration Rate in Patients With OSA. <i>Chest</i> , 2018, 154, 326-334.	0.4	30
47	Attention deficits detected in cognitive tests differentiate between sleep apnea patients with or without a motor vehicle accident. <i>Sleep Medicine</i> , 2015, 16, 528-533.	0.8	28
48	Variability in recording and scoring of respiratory events during sleep in Europe: a need for uniform standards. <i>Journal of Sleep Research</i> , 2016, 25, 144-157.	1.7	28
49	Increased Carbonic Anhydrase Activity is Associated with Sleep Apnea Severity and Related Hypoxemia. <i>Sleep</i> , 2015, 38, 1067-1073.	0.6	27
50	Sleep-Disordered Breathing and Cardio- and Cerebrovascular Diseases: 2003 Update of Clinical Significance and Future Perspectives. <i>Schlafbezogene Atmungsstörungen und kardio- und zerebrovaskuläre Erkrankungen: Update 2003 der klinischen Bedeutung und zukünftiger Entwicklungen. Somnologie</i> , 2003, 7, 101-121.	0.9	26
51	Optimizing the Management of Heart Failure With Preserved Ejection Fraction in the Elderly by Targeting Comorbidities (OPTIMIZE-HFPEF). <i>Journal of Cardiac Failure</i> , 2016, 22, 539-544.	0.7	25
52	Detection of cardiovascular risk from a photoplethysmographic signal using a matching pursuit algorithm. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1111-1121.	1.6	25
53	Excessive Daytime Sleepiness in Obstructive Sleep Apnea Patients Treated With Continuous Positive Airway Pressure: Data From the European Sleep Apnea Database. <i>Frontiers in Neurology</i> , 2021, 12, 690008.	1.1	24
54	The Sleep Revolution project: the concept and objectives. <i>Journal of Sleep Research</i> , 2022, 31, .	1.7	24

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55	Detection of Sleep Disordered Breathing and Its Central/Obstructive Character Using Nasal Cannula and Finger Pulse Oximeter. <i>Journal of Clinical Sleep Medicine</i> , 2012, 08, 527-533.	1.4	23
56	High prevalence of restless legs syndrome among women with multi-site pain: A population-based study in <sc>D</sc>alarna, <sc>S</sc>weden. <i>European Journal of Pain</i> , 2014, 18, 1402-1409.	1.4	23
57	A double-blind, crossover study of Doxazosin and Enalapril on peripheral vascular tone and nocturnal blood pressure in sleep apnea patients. <i>Sleep Medicine</i> , 2010, 11, 325-328.	0.8	22
58	Oximeter-Based Autonomic State Indicator Algorithm for Cardiovascular Risk Assessment. <i>Chest</i> , 2011, 139, 253-259.	0.4	22
59	Clinical presentation of patients with suspected obstructive sleep apnea and self-reported physician-diagnosed asthma in the <sc>ESADA</sc> cohort. <i>Journal of Sleep Research</i> , 2018, 27, e12729.	1.7	22
60	Cancer prevalence is increased in females with sleep apnoea: data from the ESADA study. <i>European Respiratory Journal</i> , 2019, 53, 1900091.	3.1	22
61	Hyperlipidaemia prevalence and cholesterol control in obstructive sleep apnoea: Data from the European sleep apnea database (ESADA). <i>Journal of Internal Medicine</i> , 2019, 286, 676-688.	2.7	21
62	Nocturnal pulse wave attenuation is associated with office blood pressure in a population based cohort. <i>Sleep Medicine</i> , 2009, 10, 836-843.	0.8	20
63	Increased Neck Soft Tissue Mass and Worsening of Obstructive Sleep Apnea after Growth Hormone Treatment in Men with Abdominal Obesity. <i>Journal of Clinical Sleep Medicine</i> , 2010, 06, 256-263.	1.4	19
64	Insomnia symptoms combined with nocturnal hypoxia associate with cardiovascular comorbidity in the European sleep apnea cohort (ESADA). <i>Sleep and Breathing</i> , 2019, 23, 805-814.	0.9	19
65	The use of overnight pulse wave analysis for recognition of cardiovascular risk factors and risk. <i>Journal of Hypertension</i> , 2014, 32, 276-285.	0.3	16
66	Multimorbidity in COPD, does sleep matter?. <i>European Journal of Internal Medicine</i> , 2020, 73, 7-15.	1.0	16
67	Socioeconomic Factors and Adherence to CPAP. <i>Chest</i> , 2021, 160, 1481-1491.	0.4	16
68	Catalogue of knowledge and skills for sleep medicine. <i>Journal of Sleep Research</i> , 2014, 23, 222-238.	1.7	15
69	Drug-Induced Sleep-Disordered Breathing and Ventilatory Impairment. <i>Sleep Medicine Clinics</i> , 2018, 13, 161-168.	1.2	14
70	Validation of the Swedevox registry of continuous positive airway pressure, long-term mechanical ventilator and long-term oxygen therapy. <i>ERJ Open Research</i> , 2021, 7, 00340-2020.	1.1	14
71	The global burden of sleep apnoea. <i>Lancet Respiratory Medicine</i> , 2019, 7, 645-647.	5.2	13
72	Beyond the AHI-pulse wave analysis during sleep for recognition of cardiovascular risk in sleep apnea patients. <i>Journal of Sleep Research</i> , 2021, 30, e13364.	1.7	13

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73	Eveningness is associated with sedentary behavior and increased 10-year risk of cardiovascular disease: the SCAPIS pilot cohort. <i>Scientific Reports</i> , 2022, 12, 8203.	1.6	13
74	Management of obstructive sleep apnea in Europe – A 10-year follow-up. <i>Sleep Medicine</i> , 2022, 97, 64-72.	0.8	13
75	Independent associations between arterial bicarbonate, apnea severity and hypertension in obstructive sleep apnea. <i>Respiratory Research</i> , 2017, 18, 130.	1.4	12
76	Course of Disease In patients reported to the Swedish CPAP Oxygen and Ventilator Registry (DISCOVERY) with population-based controls. <i>BMJ Open</i> , 2020, 10, e040396.	0.8	12
77	Change in weight and central obesity by positive airway pressure treatment in obstructive sleep apnea patients: longitudinal data from the <scp>ESADA</scp> cohort. <i>Journal of Sleep Research</i> , 2018, 27, e12705.	1.7	11
78	Overnight pulse wave analysis to assess autonomic changes during sleep in insomnia patients and healthy sleepers. <i>PLoS ONE</i> , 2020, 15, e0232589.	1.1	10
79	Impact of Sleep Apnea on Cardioembolic Risk in Patients With Atrial Fibrillation. <i>Stroke</i> , 2021, 52, 712-715.	1.0	10
80	Sleep medicine catalogue of knowledge and skills – Revision. <i>Journal of Sleep Research</i> , 2021, 30, e13394.	1.7	10
81	Prolonged Effects of the COVID-19 Pandemic on Sleep Medicine Services – Longitudinal Data from the Swedish Sleep Apnea Registry. <i>Sleep Medicine Clinics</i> , 2021, 16, 409-416.	1.2	10
82	Vascular stiffness determined from a nocturnal digital pulse wave signal. <i>Journal of Hypertension</i> , 2016, 34, 2427-2433.	0.3	9
83	Pulse Wave Analysis During Sleep. , 2017, , 1624-1632.e4.		9
84	Insomnia and cardiorespiratory fitness in a middle-aged population: the SCAPIS pilot study. <i>Sleep and Breathing</i> , 2019, 23, 319-326.	0.9	9
85	Long-term positive airway pressure therapy is associated with reduced total cholesterol levels in patients with obstructive sleep apnea: data from the European Sleep Apnea Database (ESADA). <i>Sleep Medicine</i> , 2020, 75, 201-209.	0.8	9
86	REM Sleep Imposes a Vascular Load in COPD Patients Independent of Sleep Apnea. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2017, 14, 565-572.	0.7	8
87	Chronic pulmonary disease is associated with pain spreading and restless legs syndrome in middle-aged women – a population-based study. <i>Sleep and Breathing</i> , 2019, 23, 135-142.	0.9	8
88	Use of the Clinical Global Impression scale in sleep apnea patients – Results from the ESADA database. <i>Sleep Medicine</i> , 2019, 59, 56-65.	0.8	8
89	Unique sleep – stage transitions determined by obstructive sleep apnea severity, age and gender. <i>Journal of Sleep Research</i> , 2020, 29, e12895.	1.7	8
90	Periodic limb movements during sleep and blood pressure changes in sleep apnoea: Data from the European Sleep Apnoea Database. <i>Respirology</i> , 2020, 25, 872-879.	1.3	8

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91	Superior hypertension control with betablockade in the European Sleep Apnea Database. <i>Journal of Hypertension</i> , 2021, 39, 292-301.	0.3	8
92	Perceived sleep deficit is a strong predictor of RLS in multisite pain – A population based study in middle aged females. <i>Scandinavian Journal of Pain</i> , 2017, 17, 1-7.	0.5	6
93	A randomized trial to determine the impact of indacaterol/glycopyrronium on nighttime oxygenation and symptoms in patients with moderate-to-severe COPD: the DuoSleep study. <i>International Journal of COPD</i> , 2019, Volume 14, 199-210.	0.9	6
94	Parameters of Overnight Pulse Wave under Treatment in Obstructive Sleep Apnea. <i>Respiration</i> , 2016, 92, 136-143.	1.2	5
95	The Effect of Dietary Nitrate on Nocturnal Sleep-Disordered Breathing and Arterial Oxygen Desaturation at High Altitude. <i>High Altitude Medicine and Biology</i> , 2018, 19, 21-27.	0.5	5
96	Certification of fitness to drive in sleep apnea patients: Are we doing the right thing?. <i>Journal of Sleep Research</i> , 2018, 27, e12719.	1.7	5
97	Health risks related to polyurethane foam degradation in CPAP devices used for sleep apnoea treatment. <i>European Respiratory Journal</i> , 2022, 59, 2200237.	3.1	5
98	Nasal high flow, but not supplemental O ₂ , reduces peripheral vascular sympathetic activity during sleep in COPD patients. <i>International Journal of COPD</i> , 2018, Volume 13, 3635-3643.	0.9	4
99	COVID-19 and Risk of Oxygen-Dependent Chronic Respiratory Failure: A National Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 506-509.	2.5	4
100	Impact of temperature on obstructive sleep apnoea in three different climate zones of Europe: Data from the European Sleep Apnoea Database (ESADA). <i>Journal of Sleep Research</i> , 2021, 30, e13315.	1.7	3
101	Positive airway pressure (PAP) treatment reduces glycosylated hemoglobin (HbA1c) levels in obstructive sleep apnea patients with concomitant weight loss: Longitudinal data from the ESADA. <i>Journal of Sleep Research</i> , 2021, 30, e13331.	1.7	3
102	Effects of sleep apnea and kidney dysfunction on objective sleep quality in nondialyzed patients with chronic kidney disease: an ESADA study. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 1475-1481.	1.4	3
103	10-year anniversary of the European Somnologist examination – A historic overview and critical appraisal. <i>Journal of Sleep Research</i> , 0, , .	1.7	2
104	A Case of Severe Delayed Sleep – Wake Phase Disorder and Simultaneous Restless Legs Syndrome. <i>Sleep and Vigilance</i> , 2019, 3, 157-158.	0.4	1
105	How to organise teaching activities for the scoring of cardiorespiratory polygraphies? Experiences from three Swedish Sleep Society teaching courses. <i>Journal of Sleep Research</i> , 2019, 28, e12774.	1.7	1
106	Reply to Chen et al. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 1051-1051.	2.5	1
107	Is a polysomnographic recording prior to MSLT worth the effort?. <i>Somnologie</i> , 2011, 15, 239-242.	0.9	0
108	S22 – Severity of sleep disordered breathing independently predicts metabolic dysfunction in a large population of severely obese subjects: the esada study. <i>Thorax</i> , 2016, 71, A14.2-A15.	2.7	0

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109	Comment to the Editorial by KS Park and EW Kang "œœ only fixed positive airway pressure a robust tool for kidney protection in patients with obstructive sleep apnea?â€ Journal of Thoracic Disease, 2019, 11, S480-S482.	0.6	0
110	Positive Pressure Therapy in OSA. , 2022, , 123-134.		0
111	Kontinuierliche nichtinvasive Blutdruckmessung. Springer Reference Medizin, 2020, , 1-2.	0.0	0
112	Substanzinduzierte SchlafstÃ¶rungen. , 2020, , 685-696.		0
113	Pulmonalarterielle Druckmessung mit gleichzeitiger Bestimmung des Herzzeitvolumens. Springer Reference Medizin, 2020, , 1-2.	0.0	0
114	SchlafstÃ¶rungen bei chronischen Schmerzerkrankungen. , 2020, , 571-577.		0
115	Kontinuierliche invasive Blutdruckmessung. Springer Reference Medizin, 2020, , 1-2.	0.0	0
116	Diskontinuierliche nichtinvasive Blutdruckmessung. Springer Reference Medizin, 2020, , 1-2.	0.0	0