

Jens SpiesshÄjfer

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,173
citations

566801

15
h-index

414034

32
g-index

85
all docs

85
docs citations

85
times ranked

1424
citing authors

#	ARTICLE	IF	CITATIONS
1	Mortality in pulmonary arterial hypertension: prediction by the 2015 European pulmonary hypertension guidelines risk stratification model. <i>European Respiratory Journal</i> , 2017, 50, 1700740.	3.1	489
2	Evaluation of Respiratory Muscle Strength and Diaphragm Ultrasound: Normative Values, Theoretical Considerations, and Practical Recommendations. <i>Respiration</i> , 2020, 99, 369-381.	1.2	47
3	Cheyne-Stokes respiration in heart failure: friend or foe? Hemodynamic effects of hyperventilation in heart failure patients and healthy volunteers. <i>Clinical Research in Cardiology</i> , 2015, 104, 328-333.	1.5	37
4	Impact of SERVE-HF on management of sleep disordered breathing in heart failure: a call for further studies. <i>Clinical Research in Cardiology</i> , 2016, 105, 563-570.	1.5	37
5	Sleep – the yet underappreciated player in cardiovascular diseases: A clinical review from the German Cardiac Society Working Group on Sleep Disordered Breathing. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 189-200.	0.8	29
6	Respiratory muscle weakness in facioscapulohumeral muscular dystrophy. <i>Muscle and Nerve</i> , 2019, 60, 679-686.	1.0	28
7	Sleep-disordered breathing and effects of non-invasive ventilation on objective sleep and nocturnal respiration in patients with myotonic dystrophy type I. <i>Neuromuscular Disorders</i> , 2019, 29, 302-309.	0.3	28
8	The nature of respiratory muscle weakness in patients with late-onset Pompe disease. <i>Neuromuscular Disorders</i> , 2019, 29, 618-627.	0.3	26
9	Heterogenous haemodynamic effects of adaptive servoventilation therapy in sleeping patients with heart failure and Cheyne–Stokes respiration compared to healthy volunteers. <i>Heart and Vessels</i> , 2016, 31, 1117-1130.	0.5	25
10	Sleep duration and quality in heart failure patients. <i>Sleep and Breathing</i> , 2017, 21, 919-927.	0.9	22
11	Sleep-related breathing disorders in facioscapulohumeral dystrophy. <i>Sleep and Breathing</i> , 2019, 23, 899-906.	0.9	21
12	Sleep duration and architecture during ASV for central sleep apnoea in systolic heart failure. <i>Respiratory Physiology and Neurobiology</i> , 2020, 271, 103286.	0.7	19
13	Characteristics of respiratory muscle involvement in myotonic dystrophy type 1. <i>Neuromuscular Disorders</i> , 2020, 30, 17-27.	0.3	19
14	Phrenic nerve involvement and respiratory muscle weakness in patients with Charcot–Marie–Tooth disease 1A. <i>Journal of the Peripheral Nervous System</i> , 2019, 24, 283-293.	1.4	18
15	Performance of conventional and enhanced adaptive servoventilation (ASV) in heart failure patients with central sleep apnea who have adapted to conventional ASV. <i>Sleep and Breathing</i> , 2015, 19, 795-800.	0.9	17
16	Diaphragm dysfunction as a potential determinant of dyspnea on exertion in patients 1 year after COVID-19-related ARDS. <i>Respiratory Research</i> , 2022, 23, .	1.4	17
17	Transdiaphragmatic pressure and contractile properties of the diaphragm following magnetic stimulation. <i>Respiratory Physiology and Neurobiology</i> , 2019, 266, 47-53.	0.7	15
18	Inspiratory muscle dysfunction and restrictive lung function impairment in congenital heart disease: Association with immune inflammatory response and exercise intolerance. <i>International Journal of Cardiology</i> , 2020, 318, 45-51.	0.8	15

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19	Sleep-Disordered Breathing and Nocturnal Hypoxemia in Precapillary Pulmonary Hypertension: Prevalence, Pathophysiological Determinants, and Clinical Consequences. <i>Respiration</i> , 2021, 100, 865-876.	1.2	15
20	Improvements of central respiratory events, Cheyne-Stokes respiration and oxygenation in patients hospitalized for acute decompensated heart failure. <i>Sleep Medicine</i> , 2016, 27-28, 15-19.	0.8	14
21	Sacubitril-valsartan treatment is associated with decrease in central apneas in patients with heart failure with reduced ejection fraction. <i>International Journal of Cardiology</i> , 2021, 330, 112-119.	0.8	14
22	Noninvasive Prediction of Twitch Transdiaphragmatic Pressure: Insights from Spirometry, Diaphragm Ultrasound, and Phrenic Nerve Stimulation Studies. <i>Respiration</i> , 2019, 98, 301-311.	1.2	12
23	Reduction of sleep-disordered breathing following effective percutaneous mitral valve repair with the MitraClip system. <i>Sleep and Breathing</i> , 2019, 23, 815-824.	0.9	12
24	Respiratory Muscle and Lung Function in Lung Allograft Recipients: Association with Exercise Intolerance. <i>Respiration</i> , 2020, 99, 398-408.	1.2	12
25	Electrophysiological Properties of the Human Diaphragm Assessed by Magnetic Phrenic Nerve Stimulation: Normal Values and Theoretical Considerations in Healthy Adults. <i>Journal of Clinical Neurophysiology</i> , 2019, 36, 375-384.	0.9	11
26	Validation of blood pressure monitoring using pulse transit time in heart failure patients with Cheyne-Stokes respiration undergoing adaptive servoventilation therapy. <i>Sleep and Breathing</i> , 2014, 18, 411-421.	0.9	10
27	APAP therapy does not improve impaired sleep quality and sympatho-vagal balance: a randomized trial in patients with obstructive sleep apnea and systolic heart failure. <i>Sleep and Breathing</i> , 2020, 24, 211-219.	0.9	10
28	Adaptive servo-ventilation therapy does not favourably alter sympatho-vagal balance in sleeping patients with systolic heart failure and central apnoeas: Preliminary data. <i>International Journal of Cardiology</i> , 2020, 315, 59-66.	0.8	10
29	Respiratory Effects of Adaptive Servoventilation Therapy in Patients with Heart Failure and Cheyne-Stokes Respiration Compared to Healthy Volunteers. <i>Respiration</i> , 2015, 89, 374-382.	1.2	9
30	Acute improvement of pulmonary hemodynamics does not alleviate Cheyne-Stokes respiration in chronic heart failure—a randomized, controlled, double-blind, crossover trial. <i>Sleep and Breathing</i> , 2016, 20, 795-804.	0.9	9
31	Diaphragm Involvement in Heart Failure: Mere Consequence of Hypoperfusion or Mediated by HF-Related Pro-inflammatory Cytokine Storms?. <i>Frontiers in Physiology</i> , 2019, 10, 1335.	1.3	9
32	Heart Failure Results in Inspiratory Muscle Dysfunction Irrespective of Left Ventricular Ejection Fraction. <i>Respiration</i> , 2021, 100, 96-108.	1.2	9
33	Effect of Atrial Fibrillation and Mitral Valve Gradients on Response to Percutaneous Mitral Valve Repair With the MitraClip System. <i>American Journal of Cardiology</i> , 2018, 122, 1371-1378.	0.7	8
34	Diaphragm function does not independently predict exercise intolerance in patients with precapillary pulmonary hypertension after adjustment for right ventricular function. <i>Bioscience Reports</i> , 2019, 39, .	1.1	8
35	Impact of Simulated Hyperventilation and Periodic Breathing on Sympatho-Vagal Balance and Hemodynamics in Patients with and without Heart Failure. <i>Respiration</i> , 2019, 98, 482-494.	1.2	8
36	Respiratory Muscle Function Tests and Diaphragm Ultrasound Predict Nocturnal Hypoventilation in Slowly Progressive Myopathies. <i>Frontiers in Neurology</i> , 2021, 12, 731865.	1.1	8

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37	Implications of revised AASM rules on scoring apneic and hypopneic respiratory events in patients with heart failure with nocturnal Cheyne-Stokes respiration. <i>Sleep and Breathing</i> , 2015, 19, 489-494.	0.9	7
38	Successful treatment of prolonged COVID-19 with Bamlanivimab in a patient with severe B-Cell aplasia due to treatment with an anti-CD20 monoclonal antibody: A case report. <i>Respiratory Medicine Case Reports</i> , 2021, 34, 101560.	0.2	7
39	Central Apneas Are More Detrimental in Female Than in Male Patients With Heart Failure. <i>Journal of the American Heart Association</i> , 2022, 11, e024103.	1.6	7
40	Assessment of Central Drive to the Diaphragm by Twitch Interpolation: Normal Values, Theoretical Considerations, and Future Directions. <i>Respiration</i> , 2019, 98, 283-293.	1.2	6
41	Echocardiographic Biventricular Coupling Index to Predict Precapillary Pulmonary Hypertension. <i>Journal of the American Society of Echocardiography</i> , 2022, 35, 715-726.	1.2	6
42	Sympathetic and Vagal Nerve Activity in COPD: Pathophysiology, Presumed Determinants and Underappreciated Therapeutic Potential. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	6
43	Validity of transit time-based blood pressure measurements in patients with and without heart failure or pulmonary arterial hypertension across different breathing maneuvers. <i>Sleep and Breathing</i> , 2020, 24, 221-230.	0.9	5
44	Effects of nasal high flow on nocturnal hypercapnia, sleep, and sympathovagal balance in patients with neuromuscular disorders. <i>Sleep and Breathing</i> , 2021, 25, 1441-1451.	0.9	4
45	Effects of central apneas on sympathovagal balance and hemodynamics at night: impact of underlying systolic heart failure. <i>Sleep and Breathing</i> , 2021, 25, 965-977.	0.9	4
46	Microstructural cerebral lesions are associated with the severity of central sleep apnea with Cheyne-Stokes-respiration in heart failure and are modified by PAP-therapy. <i>Respiratory Physiology and Neurobiology</i> , 2018, 247, 181-187.	0.7	3
47	Impact of Lifestyle on Sleep. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1000-1002.	1.2	3
48	The prognostic significance of serum sodium in a population undergoing cardiac resynchronisation therapy. <i>Indian Heart Journal</i> , 2017, 69, 613-618.	0.2	2
49	Cheyne-Stokes respiration in heart failure: Only provocative pathophysiology will provide new insights!. <i>International Journal of Cardiology</i> , 2019, 289, 99-100.	0.8	2
50	Effects of nasal high flow on sympathovagal balance, sleep, and sleep-related breathing in patients with precapillary pulmonary hypertension. <i>Sleep and Breathing</i> , 2021, 25, 705-717.	0.9	2
51	Devices & Sudden Death: Right Ventricular ICDs should be the gold standard in CRT due to efficacy and cost effectiveness: an analysis from a multi-centre UK registry ³² Cardiac computed tomography is a feasible imaging modality for pre procedural planning in patients undergoing upgrade from pacemakers to CRT ³³ Derivation and external validation of a cardiac resynchronization therapy response score ³⁴ Generation and validation of transformation coefficients to reconstruct 12-lead electrocardiograms in Europe ³⁵ ICD Therapy in VT ³⁶	0.7	1
52	Response to: Respiratory muscle dysfunction in facioscapulohumeral muscular dystrophy. Letter to the editor reference article: sleep-related breathing disorders in facioscapulohumeral dystrophy (https://doi.org/10.1007/s11325-019-01843-1) by Santos DB et al.. <i>Sleep and Breathing</i> , 2020, 24, 675-676.	0.9	1
53	Diaphragm involvement in Facioscapulohumeral dystrophy: insights from phrenic nerve stimulation studies. , 2019, , .		1
54	Inspiratory muscle dysfunction relates to clinical disease severity in patients with type I myotonic dystrophy. , 2019, , .		1

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55	Response to the Letter: Sleep-Disordered Breathing in Precapillary Pulmonary Hypertension: Is the Prevalence So High? Reference Article: Sleep-Disordered Breathing and Nocturnal Hypoxemia in Precapillary Pulmonary Hypertension: Prevalence, Pathophysiological Determinants and Clinical Consequences by Zheng Z et al.. Respiration, 2022, 101, 433-435.	1.2	1
56	Influence of adaptive servoventilation therapy on pCO2 levels in heart failure patients with Cheyne-Stokes respiration and healthy volunteers. European Heart Journal, 2013, 34, P2491-P2491.	1.0	0
57	SLEEP DURATION AND QUALITY IN HEART FAILURE PATIENTS. Journal of the American College of Cardiology, 2017, 69, 944.	1.2	0
58	270Relationship between exercise capacity and LV mechanics in patients with precapillary pulmonary hypertension-a regadenoson hyperemic-stress CMR study. European Heart Journal Cardiovascular Imaging, 2019, 20, .	0.5	0
59	P2625Pathophysiology of diaphragm involvement in systolic heart failure: insights from diaphragm ultrasound and phrenic nerve stimulation studies. European Heart Journal, 2019, 40, .	1.0	0
60	P4520APAP therapy does not improve impaired sleep quality and sympatho-vagal balance: a randomized trial in patients with obstructive sleep apnea and systolic heart failure. European Heart Journal, 2019, 40, .	1.0	0
61	Use of hypocapnia for improved risk stratification in pulmonary arterial hypertension: should we return to respiratory pathophysiology?. International Journal of Cardiology, 2021, 329, 208.	0.8	0
62	Diaphragm Dysfunction as a Determinant of Persisting Dyspnoea in Patients One Year after Invasive Mechanical Ventilation Due to COVID-19 Related ARDS. SSRN Electronic Journal, 0, , .	0.4	0
63	Sex-related differences in daytime Cheyne-Stokes respiration in heart failure. , 2021, , .		0
64	Novel Drug Targets for Central Apneas in Heart Failure: On the Road. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 490-491.	2.5	0
65	Transdiaphragmatic pressure and contractile properties of the human diaphragm following standardized magnetic stimulation. , 2019, , .		0
66	Idiopathic central sleep apnea: friend or foe of autonomic nervous system function in neurology?. , 2019, , .		0
67	Diaphragm ultrasound and measures of respiratory muscle strength in healthy subjects: normal values, theoretical considerations and practical recommendations. , 2019, , .		0
68	Impact of voluntary periodic breathing on hemodynamics and autonomic nervous system function in patients with and without heart failure. , 2019, , .		0
69	Sleep-disordered breathing in facio-scapulo-humeral dystrophy: A case-control study. , 2019, , .		0
70	Pathophysiology of diaphragm involvement in myotonic dystrophy type 1: insights from phrenic nerve stimulation studies and diaphragm ultrasound. , 2019, , .		0
71	Mask based therapy of central sleep apnea to elicit neutral effects on sympathetic nerve activity in systolic heart failure patients at night. , 2019, , .		0
72	Impact of non-invasive ventilation on objective sleep and nocturnal respiration in patients with type I myotonic dystrophy. , 2019, , .		0

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73	Validity of pulse-transit-time based blood pressure measurements in patients with and without heart failure across different breathing maneuvers. , 2019, , .		0
74	Diaphragm involvement in hereditary motor and sensory neuropathy type IA: insights from diaphragm ultrasound and phrenic nerve stimulation studies. , 2019, , .		0
75	Inspiratory and expiratory muscle weakness in facioscapulohumeral muscular dystrophy. , 2019, , .		0
76	Assessment of Central Drive to the Diaphragm by Twitch Interpolation: Normal Values, Theoretical Considerations and Future Directions. , 2019, , .		0
77	297â€¢Echocardiographic biventricular coupling index to predict pre-capillary pulmonary hypertension. European Heart Journal Supplements, 2021, 23, .	0.0	0
78	Efficacy and Safety of ELOM-080 as Add-On Therapy in COVID-19 Patients with Acute Respiratory Insufficiency: Exploratory Data from the Prospective Placebo-Controlled COVARI Trial. Advances in Therapy, 2022, , 1.	1.3	0
79	Response to: Low molecular weight guluronate: A potential therapies for inspiratory muscle dysfunction and restrictive lung function impairment in congenital heart disease by Guiyuan He, Ruiting Zhou, Tingyuan Huang, Fanjun Zeng. International Journal of Cardiology, 2022, 363, 40.	0.8	0