Gabor Kovacs

List of Publications by Year
in descending order

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64 papers	2,641 citations	236925 25 h-index	189892 50 g-index
65 all docs	65 docs citations	65 times ranked	2596 citing authors

#	Article	IF	Citations
1	An official European Respiratory Society statement: pulmonary haemodynamics during exercise. European Respiratory Journal, 2017, 50, 1700578.	6.7	222
2	Magnetic Resonanceâ€“Derived 3-Dimensional Blood Flow Patterns in the Main Pulmonary Artery as a Marker of Pulmonary Hypertension and a Measure of Elevated Mean Pulmonary Arterial Pressure. Circulation: Cardiovascular Imaging, 2008, 1, 23-30.	2.6	205
3	Reading Pulmonary Vascular Pressure Tracings. How to Handle the Problems of Zero Leveling and Respiratory Swings. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 252-257.	5.6	156
4	Mild Elevation of Pulmonary Arterial Pressure as a Predictor of Mortality. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 509-516.	5.6	145
5	Borderline Pulmonary Arterial Pressure Is Associated with Decreased Exercise Capacity in Scleroderma. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 881-886.	5.6	141
6	Blood Flow Vortices along the Main Pulmonary Artery Measured with MR Imaging for Diagnosis of Pulmonary Hypertension. Radiology, 2015, 275, 71-79.	7.3	129
7	Zero reference level for right heart catheterisation. European Respiratory Journal, 2013, 42, 1586-1594.	6.7	124
8	Pulmonary Vascular Involvement in Chronic Obstructive Pulmonary Disease. Is There a Pulmonary Vascular Phenotype?. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1000-1011.	5.6	111
9	ERS statement on exercise training and rehabilitation in patients with severe chronic pulmonary hypertension. European Respiratory Journal, 2019, 53, 1800332.	6.7	110
10	Assessment of Pulmonary Arterial Pressure During Exercise in Collagen Vascular Disease. Chest, 2010, 138, 270-278.	0.8	83
11	Quantification of Tortuosity and Fractal Dimension of the Lung Vessels in Pulmonary Hypertension Patients. PLoS ONE, 2014, 9, e87515.	2.5	83
12	Cardiopulmonary Hemodynamics in Pulmonary Hypertension and HeartÂFailure. Journal of the American College of Cardiology, 2020, 76, 2671-2681.	2.8	66
13	Pulmonary arterial hypertension therapy may be safe and effective in patients with systemic sclerosis and borderline pulmonary artery pressure. Arthritis and Rheumatism, 2012, 64, 1257-1262.	6.7	65
14	Compartment-specific expression of collagens and their processing enzymes in intrapulmonary arteries of IPAH patients. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1002-L1013.	2.9	65
15	Characterization of Patients With Borderline Pulmonary Arterial Pressure. Chest, 2014, 146, 1486-1493.	0.8	64
16	Cardiopulmonary exercise testing for detecting pulmonary arterial hypertension in systemic sclerosis. Heart, 2017, 103, 774-782.	2.9	59
17	Standardized exercise training is feasible, safe, and effective in pulmonary arterial and chronic thromboembolic pulmonary hypertension: results from a large European multicentre randomized controlled trial. European Heart Journal, 2021, 42, 2284-2295.	2.2	51
18	Pulmonary hypertension in chronic obstructive pulmonary disease. British Journal of Pharmacology, 2021, 178, 132-151.	5.4	51

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19	Right Heart Catheterization for the Diagnosis of Pulmonary Hypertension. Heart Failure Clinics, 2018, 14, 467-477.	2.1	49
20	Elevated pulmonary vascular resistance predicts mortality in COPD patients. European Respiratory Journal, 2021, 58, 2100944.	6.7	47
21	Native myocardial T1 mapping in pulmonary hypertension: correlations with cardiac function and hemodynamics. European Radiology, 2017, 27, 157-166.	4.5	44
22	The Emerging Role of Magnetic Resonance Imaging in the Diagnosis and Management of Pulmonary Hypertension. Respiration, 2008, 76, 458-470.	2.6	40
23	Exercise-induced pulmonary hypertension: at last!. European Respiratory Journal, 2015, 46, 583-586.	6.7	34
24	Pressure Overload Creates Right Ventricular Diastolic Dysfunction in a Mouse Model: Assessment by Echocardiography. Journal of the American Society of Echocardiography, 2015, 28, 828-843.	2.8	33
25	Severe Pulmonary Hypertension in COPD. Chest, 2022, 162, 202-212.	0.8	29
26	Changes in pulmonary exercise haemodynamics in scleroderma: a 4-year prospective study. European Respiratory Journal, 2017, 50, 1601708.	6.7	28
27	Pulmonary hypertension phenotypes in patients with systemic sclerosis. European Respiratory Review, 2021, 30, 210053.	7.1	27
28	Use of ECG and Other Simple Non-Invasive Tools to Assess Pulmonary Hypertension. PLoS ONE, 2016, 11, e0168706.	2.5	27
29	Diagnostic, prognostic and differential-diagnostic relevance of pulmonary haemodynamic parameters during exercise: a systematic review. European Respiratory Journal, 2022, 60, 2103181.	6.7	27
30	Non-invasive determination of pulmonary hypertension with dynamic contrast-enhanced computed tomography: a pilot study. European Radiology, 2014, 24, 668-676.	4.5	25
31	Proposed new definition of exercise pulmonary hypertension decreases false-positive cases. European Respiratory Journal, 2016, 47, 1270-1273.	6.7	25
32	Prognostic value of cardiopulmonary exercise testing in patients with systemic sclerosis. BMC Pulmonary Medicine, 2019, 19, 230.	2.0	24
33	MR 4D flow-based mean pulmonary arterial pressure tracking in pulmonary hypertension. European Radiology, 2021, 31, 1883-1893.	4.5	23
34	Impairment of the NKTâ€“STAT1â€“CXCL9 Axis Contributes to Vessel Fibrosis in Pulmonary Hypertension Caused by Lung Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 981-998.	5.6	21
35	Exercise Pulmonary Resistances Predict Long-Term Survival in Systemic Sclerosis. Chest, 2021, 159, 781-790.	0.8	20
36	CD133⁺ cells in pulmonary arterial hypertension. European Respiratory Journal, 2016, 48, 459-469.	6.7	18

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37	Management of patients with SARS-CoV-2 infections and of patients with chronic lung diseases during the COVID-19 pandemic (as of 9 May 2020). Wiener Klinische Wochenschrift, 2020, 132, 365-386.	1.9	17
38	Combination Therapy in Pulmonary Arterial Hypertensionâ€"Targeting the Nitric Oxide and Prostacyclin Pathways. Journal of Cardiovascular Pharmacology and Therapeutics, 2021, 26, 107424842110065.	2.0	16
39	The Right Heart International Network (RIGHT-NET). Heart Failure Clinics, 2018, 14, 443-465.	2.1	15
40	Evaluation of endothelial dysfunction and clinical events in patients with early-stage vasculopathy in limited systemic sclerosis. Clinical and Experimental Rheumatology, 2021, 39, 57-65.	0.8	13
41	Mildly increased pulmonary arterial pressure: a new disease entity or just a marker of poor prognosis?. European Journal of Heart Failure, 2019, 21, 1057-1061.	7.1	11
42	Clinical Impact of the New Definition of Precapillary Pulmonary Hypertension. Chest, 2021, 159, 1995-1997.	0.8	11
43	Debating the new haemodynamic definition of pulmonary hypertension: much ado about nothing?. European Respiratory Journal, 2019, 54, 1901278.	6.7	10
44	The pulmonary haemodynamics during exercise â€“ research network (PEX-NET) ERS Clinical Research Collaboration: investigating the prognostic relevance ofÂexercise haemodynamics. European Respiratory Journal, 2019, 53, 1900458.	6.7	10
45	Borderline pulmonary pressures in scleroderma - a â€˜pre-pulmonary arterial hypertensionâ€™ condition?. Arthritis Research and Therapy, 2015, 17, 123.	3.5	9
46	Preoperative Peak Oxygen Consumption: A Predictor of Survival in Resected Lung Cancer. Cancers, 2020, 12, 836.	3.7	9
47	Pulmonary arterial pressure in patients with myelodysplastic syndromes. Leukemia and Lymphoma, 2016, 57, 2723-2726.	1.3	7
48	Counter-clockwise vortical blood flow in the main pulmonary artery in a patient with patent ductus arteriosus with pulmonary arterial hypertension: a cardiac magnetic resonance imaging case report. BMC Medical Imaging, 2016, 16, 45.	2.7	6
49	Identifying early pulmonary arterial hypertension in patients with systemic sclerosis. European Respiratory Journal, 2018, 51, 1800495.	6.7	6
50	Automated vortical blood flow-based estimation of mean pulmonary arterial pressure from 4D flow MRI. Magnetic Resonance Imaging, 2022, 88, 132-141.	1.8	6
51	The definition of pulmonary hypertension: history, practical implications and current controversies. Breathe, 2021, 17, 210076.	1.3	5
52	Rituximab as a Treatment Option after Autologous Hematopoietic Stem Cell Transplantation in a Patient with Systemic Sclerosis. Journal of Personalized Medicine, 2021, 11, 600.	2.5	4
53	Potential role of exercise echocardiography and right heart catheterization in the detection of early pulmonary vascular disease in patients with systemic sclerosis. Journal of Scleroderma and Related Disorders, 2019, 4, 219-224.	1.7	3
54	Imatinib for right heart failure in COPD. Pulmonary Circulation, 2019, 9, 1-3.	1.7	3

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55	A 57-Year-Old Woman With Obesity, Respiratory Insufficiency, and Slowed Mental State. Chest, 2013, 144, 347-348.	0.8	2
56	Pulmonary capillary recruitment in exercise and pulmonary hypertension. European Respiratory Journal, 2018, 51, 1800260.	6.7	2
57	POINT: Did the World Symposium on Pulmonary Hypertension Get It Right in Redefining Abnormal Pulmonary Arterial Pressure? Yes. Chest, 2022, 161, 311-312.	0.8	2
58	Should patients with pulmonary hypertension fly and climb?. International Journal of Cardiology, 2018, 270, 276-277.	1.7	1
59	Advanced interstitial lung fibrosis with emphysema and pulmonary hypertension with no evidence for interstitial lung disease on high resolution CT. Pulmonary Circulation, 2019, 9, 204589401983221.	1.7	1
60	Management of patients with SARS-CoV-2 infections with focus on patients with chronic lung diseases (as of 10 January 2022). Wiener Klinische Wochenschrift, 2022, 134, 399-419.	1.9	1
61	Advancing into the details of pulmonary haemodynamics during exercise. European Respiratory Journal, 2018, 52, 1801578.	6.7	0
62	Take your drug and climb Machu Picchu!. International Journal of Cardiology, 2019, 288, 135-136.	1.7	0
63	Response. Chest, 2021, 160, e541.	0.8	0
64	Rebuttal From Dr Kovacs. Chest, 2022, 161, 315-316.	0.8	0