## **Eckhard Mayer**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Guidelines on the diagnosis and management of acute pulmonary embolism. European Heart Journal, 2008, 29, 2276-2315.	2.2	2,645
2	2014 ESC Guidelines on the diagnosis and management of acute pulmonary embolism. European Heart Journal, 2014, 35, 3033-3080.	2.2	2,591
3	Riociguat for the Treatment of Chronic Thromboembolic Pulmonary Hypertension. New England Journal of Medicine, 2013, 369, 319-329.	27.0	1,144
4	Chronic Thromboembolic Pulmonary Hypertension (CTEPH). Circulation, 2011, 124, 1973-1981.	1.6	860
5	Chronic Thromboembolic Pulmonary Hypertension. Circulation, 2006, 113, 2011-2020.	1.6	791
6	Chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2019, 53, 1801915.	6.7	607
7	Surgical management and outcome of patients with chronic thromboembolic pulmonary hypertension: Results from an international prospective registry. Journal of Thoracic and Cardiovascular Surgery, 2011, 141, 702-710.	0.8	605
8	Bosentan for Treatment of Inoperable Chronic Thromboembolic Pulmonary Hypertension. Journal of the American College of Cardiology, 2008, 52, 2127-2134.	2.8	506
9	Long-Term Outcome of Patients With Chronic Thromboembolic Pulmonary Hypertension. Circulation, 2016, 133, 859-871.	1.6	506
10	Chronic Thromboembolic Pulmonary Hypertension. Journal of the American College of Cardiology, 2013, 62, D92-D99.	2.8	503
11	ERS statement on chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2021, 57, 2002828.	6.7	287
12	Riociguat for the treatment of chronic thromboembolic pulmonary hypertension: a long-term extension study (CHEST-2). European Respiratory Journal, 2015, 45, 1293-1302.	6.7	247
13	Interventional and Surgical Modalities of Treatment in Pulmonary Hypertension. Journal of the American College of Cardiology, 2009, 54, S67-S77.	2.8	230
14	Pulmonary endarterectomy in the management of chronic thromboembolic pulmonary hypertension. European Respiratory Review, 2017, 26, 160111.	7.1	229
15	Macitentan for the treatment of inoperable chronic thromboembolic pulmonary hypertension (MERIT-1): results from the multicentre, phase 2, randomised, double-blind, placebo-controlled study. Lancet Respiratory Medicine,the, 2017, 5, 785-794.	10.7	201
16	Interventional and surgical modalities of treatment for pulmonary arterial hypertension. Journal of the American College of Cardiology, 2004, 43, S73-S80.	2.8	194
17	Balloon pulmonary angioplasty in chronic thromboembolic pulmonary hypertension. European Respiratory Review, 2017, 26, 160119.	7.1	183
18	Balloon pulmonary angioplasty for inoperable patients with chronic thromboembolic pulmonary hypertension: the initial German experience. European Respiratory Journal, 2017, 49, 1602409.	6.7	178

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19	Pathophysiology of Impaired Right and Left Ventricular Function in Chronic Embolic Pulmonary Hypertension. Chest, 2000, 118, 897-903.	0.8	173
20	Bosentan Therapy for Inoperable Chronic Thromboembolic Pulmonary Hypertension. Chest, 2005, 128, 2363-2367.	0.8	166
21	Chronic Thromboembolic Pulmonary Hypertension: Pre- and Postoperative Assessment with Breath-hold MR Imaging Techniques. Radiology, 2004, 232, 535-543.	7.3	164
22	An epidemiological analysis of the burden of chronic thromboembolic pulmonary hypertension in the USA, Europe and Japan. European Respiratory Review, 2017, 26, 160121.	7.1	156
23	Surgical treatment of chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2013, 41, 735-742.	6.7	154
24	Chronic thromboembolic pulmonary hypertension (CTEPH): Updated Recommendations from the Cologne Consensus Conference 2018. International Journal of Cardiology, 2018, 272, 69-78.	1.7	140
25	Mid-term results of pulmonary thromboendarterectomy for chronic thromboembolic pulmonary hypertension. Annals of Thoracic Surgery, 1996, 61, 1788-1792.	1.3	133
26	Predictors of long-term outcomes in patients treated with riociguat for chronic thromboembolic pulmonary hypertension: data from the CHEST-2 open-label, randomised, long-term extension trial. Lancet Respiratory Medicine,the, 2016, 4, 372-380.	10.7	130
27	Diagnostic performance of state-of-the-art imaging techniques for morphological assessment of vascular abnormalities in patients with chronic thromboembolic pulmonary hypertension (CTEPH). European Radiology, 2012, 22, 607-616.	4.5	129
28	Pulmonary Endarterectomy. Patient Selection, Technical Challenges, and Outcomes. Annals of the American Thoracic Society, 2016, 13, S240-S247.	3.2	128
29	Spiral CT of Bronchial Arteries in Chronic Thromboembolism. Journal of Computer Assisted Tomography, 1994, 18, 855-861.	0.9	107
30	Chronic thromboembolic pulmonary hypertension — assessment by magnetic resonance imaging. European Radiology, 2007, 17, 11-21.	4.5	103
31	Surgical treatment of pulmonary artery sarcoma. Journal of Thoracic and Cardiovascular Surgery, 2001, 121, 77-82.	0.8	101
32	Exercise Training Improves Exercise Capacity and Quality of Life in Patients with Inoperable or Residual Chronic Thromboembolic Pulmonary Hypertension. PLoS ONE, 2012, 7, e41603.	2.5	99
33	Factors associated with diagnosis and operability of chronic thromboembolic pulmonary hypertension. Thrombosis and Haemostasis, 2013, 110, 83-91.	3.4	96
34	Combined pulmonary endarterectomy and balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension. Journal of Heart and Lung Transplantation, 2016, 35, 591-596.	0.6	96
35	Inhaled iloprost to control residual pulmonary hypertension following pulmonary endarterectomy. European Journal of Cardio-thoracic Surgery, 2005, 28, 882-888.	1.4	95
36	Defective Angiogenesis Delays Thrombus Resolution. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 810-819.	2.4	95

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37	Chronic thromboembolic pulmonary hypertension (CTEPH): Updated Recommendations of the Cologne Consensus Conference 2011. International Journal of Cardiology, 2011, 154, S54-S60.	1.7	93
38	Anxiety and depression disorders in patients with pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. Respiratory Research, 2013, 14, 104.	3.6	83
39	Value of contrast-enhanced MR angiography and helical CT angiography in chronic thromboembolic pulmonary hypertension. European Radiology, 2003, 13, 2365-2371.	4.5	82
40	Determinants of diagnostic delay in chronic thromboembolic pulmonary hypertension: results from the European CTEPH Registry. European Respiratory Journal, 2018, 52, 1801687.	6.7	78
41	Incidence and characteristics of chronic thromboembolic pulmonary hypertension in Germany. Clinical Research in Cardiology, 2018, 107, 548-553.	3.3	77
42	Techniques and Outcomes of Pulmonary Endarterectomy for Chronic Thromboembolic Pulmonary Hypertension. Proceedings of the American Thoracic Society, 2006, 3, 589-593.	3.5	75
43	Chronic thromboembolic pulmonary hypertension and impairment after pulmonary embolism: the FOCUS study. European Heart Journal, 2022, 43, 3387-3398.	2.2	69
44	Inhaled iloprost in patients with chronic thromboembolic pulmonary hypertension: effects before and after pulmonary thromboendarterectomy. Annals of Thoracic Surgery, 2003, 76, 711-718.	1.3	67
45	Current strategies for managing chronic thromboembolic pulmonary hypertension: results of the worldwide prospective CTEPH Registry. ERJ Open Research, 2021, 7, 00850-2020.	2.6	65
46	Functional Evaluation of Emphysema Using Diffusion-Weighted 3Helium-Magnetic Resonance Imaging, High-Resolution Computed Tomography, and Lung Function Tests. Investigative Radiology, 2004, 39, 427-434.	6.2	59
47	Operability assessment in CTEPH: Lessons from the CHEST-1 study. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 669-674.e3.	0.8	57
48	Exercise right heart catheterisation before and after pulmonary endarterectomy in patients with chronic thromboembolic disease. European Respiratory Journal, 2018, 52, 1800458.	6.7	57
49	Hemodynamic Effects of Nonionic Contrast Bolus Injection and Oxygen Inhalation During Pulmonary Angiography in Patients With Chronic Major-Vessel Thromboembolic Pulmonary Hypertension. Circulation, 1996, 94, 2485-2491.	1.6	57
50	3He-MRI in follow-up of lung transplant recipients. European Radiology, 2004, 14, 78-85.	4.5	55
51	Balloon pulmonary angioplasty for inoperable patients with chronic thromboembolic disease. Pulmonary Circulation, 2018, 8, 1-6.	1.7	54
52	From thrombosis to fibrosis in chronic thromboembolic pulmonary hypertension. Thrombosis and Haemostasis, 2017, 117, 769-783.	3.4	53
53	Quality of life in patients with chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2016, 48, 526-537.	6.7	52
54	Late outcomes after acute pulmonary embolism: rationale and design of FOCUS, a prospective observational multicenter cohort study. Journal of Thrombosis and Thrombolysis, 2016, 42, 600-609.	2.1	50

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55	Native T1 mapping and extracellular volume fraction measurement for assessment of right ventricular insertion point and septal fibrosis in chronic thromboembolic pulmonary hypertension. European Radiology, 2017, 27, 1980-1991.	4.5	47
56	Sequential treatment with riociguat and balloon pulmonary angioplasty for patients with inoperable chronic thromboembolic pulmonary hypertension. Pulmonary Circulation, 2018, 8, 1-7.	1.7	44
5 <b>7</b>	Sexâ€specific differences in chronic thromboembolic pulmonary hypertension. Results from the European CTEPH registry. Journal of Thrombosis and Haemostasis, 2020, 18, 151-161.	3.8	42
58	Noninvasive Assessment of Pulmonary Hemodynamics in Patients With Chronic Thromboembolic Pulmonary Hypertension by High Temporal Resolution Phase-Contrast MRI. Circulation: Cardiovascular Imaging, 2013, 6, 722-729.	2.6	38
59	Assessment of cardiac performance using Tei indices in patients undergoing pulmonary thromboendarterectomy. Annals of Thoracic Surgery, 2002, 73, 762-766.	1.3	37
60	Right ventricular adaptation to pulmonary pressure load in patients with chronic thromboembolic pulmonary hypertension before and after successful pulmonary endarterectomy - a cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 96.	3.3	37
61	Activated Endothelial TGFÎ <sup>2</sup> 1 Signaling Promotes Venous Thrombus Nonresolution in Mice Via Endothelin-1. Circulation Research, 2020, 126, 162-181.	4.5	37
62	N-terminal pro–B-type natriuretic peptide for monitoring after balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension. Journal of Heart and Lung Transplantation, 2018, 37, 639-646.	0.6	36
63	Oxygen-sensitive 3He-MRI in bronchiolitis obliterans after lung transplantation. European Radiology, 2008, 18, 530-537.	4.5	35
64	Inflammation in right ventricular dysfunction due to thromboembolic pulmonary hypertension. International Journal of Cardiology, 2010, 144, 206-211.	1.7	35
65	Haemodynamic effects of riociguat in inoperable/recurrent chronic thromboembolic pulmonary hypertension. Heart, 2017, 103, 599-606.	2.9	34
66	Quality of Life 3 and 12 Months Following Acute Pulmonary Embolism. Chest, 2021, 159, 2428-2438.	0.8	34
67	Short-term venoarterial extracorporeal membrane oxygenation for massive endobronchial hemorrhage after pulmonary endarterectomy. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 643-649.	0.8	33
68	Pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension. Journal of Heart and Lung Transplantation, 2018, 37, 250-258.	0.6	32
69	The ADAMTS13–VWF axis is dysregulated in chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2019, 53, 1801805.	6.7	31
70	Osteopontin expression in primary sarcomas of the pulmonary artery. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2001, 439, 668-674.	2.8	30
71	Quantification of mitral valve stenosis by three-dimensional transesophageal echocardiography. International Journal of Cardiovascular Imaging, 1996, 12, 241-247.	0.6	27
72	Clinical aspects of the apparent diffusion coefficient in3He MRI: Results in healthy volunteers and patients after lung transplantation. Journal of Magnetic Resonance Imaging, 2007, 25, 1152-1158.	3.4	24

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73	Pulmonary Hemodynamic Response to Exercise in Chronic Thromboembolic Pulmonary Hypertension before and after Pulmonary Endarterectomy. Respiration, 2015, 90, 63-73.	2.6	21
74	Galectin-3, GDF-15, and sST2 for the assessment of disease severity and therapy response in patients suffering from inoperable chronic thromboembolic pulmonary hypertension. Biomarkers, 2020, 25, 578-586.	1.9	19
75	Supervised Exercise Training in Patients with Chronic Thromboembolic Pulmonary Hypertension as Early Follow-Up Treatment after Pulmonary Endarterectomy: A Prospective Cohort Study. Respiration, 2020, 99, 577-588.	2.6	18
76	Length of pressure-controlled reperfusion is critical for reducing ischaemia-reperfusion injury in an isolated rabbit lung model. Journal of Cardiothoracic Surgery, 2007, 2, 54.	1.1	17
77	Use of very old donors for lung transplantation: a dual-centre retrospective analysis. European Journal of Cardio-thoracic Surgery, 2017, 52, 1049-1054.	1.4	17
78	Chronic thromboembolic pulmonary hypertension: do we need a new definition?. European Respiratory Journal, 2014, 44, 1401-1403.	6.7	16
79	Development of renal function during staged balloon pulmonary angioplasty for inoperable chronic thromboembolic pulmonary hypertension. Scandinavian Journal of Clinical and Laboratory Investigation, 2019, 79, 268-275.	1.2	16
80	Hemodilution reduces early reperfusion injury in an ex vivo rabbit lung preservation model. Annals of Thoracic Surgery, 1994, 57, 731-735.	1.3	15
81	Dynamics of high-sensitivity cardiac troponin T during therapy with balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension. PLoS ONE, 2018, 13, e0204683.	2.5	15
82	Role of angiopoietin-2 in venous thrombus resolution and chronic thromboembolic disease. European Respiratory Journal, 2021, 58, 2004196.	6.7	14
83	Use of responder threshold criteria to evaluate the response to treatment in the phase III CHEST-1 study. Journal of Heart and Lung Transplantation, 2015, 34, 348-355.	0.6	13
84	Pulmonary vascular remodeling before and after pulmonary endarterectomy in patients with chronic thromboembolic pulmonary hypertension: a cardiac magnetic resonance study. International Journal of Cardiovascular Imaging, 2015, 31, 613-619.	1.5	13
85	Potential Involvement of Osteopontin in Inflammatory and Fibrotic Processes in Pulmonary Embolism and Chronic Thromboembolic Pulmonary Hypertension. Thrombosis and Haemostasis, 2019, 119, 1332-1346.	3.4	13
86	Myeloproliferative Diseases as Possible Risk Factor for Development of Chronic Thromboembolic Pulmonary Hypertension—A Genetic Study. International Journal of Molecular Sciences, 2020, 21, 3339.	4.1	13
87	Heart rate response during 6-minute walking testing predicts outcome in operable chronic thromboembolic pulmonary hypertension. BMC Pulmonary Medicine, 2016, 16, 96.	2.0	12
88	Pulmonary endarterectomy for the treatment of chronic thromboembolic pulmonary hypertension. Expert Review of Respiratory Medicine, 2016, 10, 673-684.	2.5	12
89	Epidemiology and management of chronic thromboembolic pulmonary hypertension: experience from two expert centers. Hellenic Journal of Cardiology, 2018, 59, 16-23.	1.0	12
90	Expression of apoptosis-related proteins, p53, and DNA fragmentation in sarcomas of the pulmonary artery. Cancer, 2001, 92, 1237-1244.	4.1	11

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91	Saudi guidelines on the diagnosis and treatment of pulmonary hypertension: 2014 updates. Annals of Thoracic Medicine, 2014, 9, 1.	1.8	11
92	Interventional and pharmacological management of chronic thromboembolic pulmonary hypertension. Respiratory Medicine, 2021, 177, 106293.	2.9	11
93	Effects of BPA on right ventricular mechanical dysfunction in patients with inoperable CTEPH – A cardiac magnetic resonance study. European Journal of Radiology, 2022, 147, 110111.	2.6	11
94	Complications of balloon pulmonary angioplasty for inoperable chronic thromboembolic pulmonary hypertension: Impact on the outcome. Journal of Heart and Lung Transplantation, 2022, 41, 1086-1094.	0.6	11
95	Chronic thromboembolic pulmonary hypertension: the evolving treatment landscape. European Respiratory Review, 2015, 24, 173-177.	7.1	9
96	Risk factors for chronic thromboembolic pulmonary hypertension – Importance of thyroid disease and function. Thrombosis Research, 2020, 185, 20-26.	1.7	9
97	Exercise right heart catheterization before and after balloon pulmonary angioplasty in inoperable patients with chronic thromboembolic pulmonary hypertension. Pulmonary Circulation, 2020, 10, 1-9.	1.7	9
98	The Clinical Significance of HbA1c in Operable Chronic Thromboembolic Pulmonary Hypertension. PLoS ONE, 2016, 11, e0152580.	2.5	8
99	Does Age Matter? Pulmonary Endarterectomy in the Elderly Patient with CTEPH. Thoracic and Cardiovascular Surgeon, 2022, 70, 663-670.	1.0	8
100	The prognostic relevance of oxygen uptake in inoperable chronic thromboembolic pulmonary hypertension. Clinical Respiratory Journal, 2017, 11, 682-690.	1.6	7
101	Mid-regional pro-atrial natriuretic peptide and copeptin as indicators of disease severity and therapy response in CTEPH. ERJ Open Research, 2020, 6, 00356-2020.	2.6	6
102	Riociguat for the Treatment of Chronic Thromboembolic Pulmonary Hypertension (CTEPH): 1-Year Results from the CHEST-2 Long-term Extension Study. Chest, 2013, 144, 1023A.	0.8	5
103	Saudi Guidelines on the Diagnosis and Treatment of Pulmonary Hypertension: Chronic thromboembolic pulmonary hypertension. Annals of Thoracic Medicine, 2014, 9, 62.	1.8	5
104	Case report: Subjective loss of performance after pulmonary embolism in an athlete– beyond normal values. BMC Pulmonary Medicine, 2016, 16, 21.	2.0	5
105	Indefinite cytomegalovirus prophylaxis with valganciclovir after lung transplantation. Transplant Infectious Disease, 2019, 21, e13138.	1.7	5
106	Pregnancy-associated plasma protein A – a new indicator of pulmonary vascular remodeling in chronic thromboembolic pulmonary hypertension?. Respiratory Research, 2020, 21, 204.	3.6	5
107	Hemodynamic Effects of Monomeric Nonionic Contrast Media in Pulmonary Angiography in Chronic Thromboembolic Pulmonary Hypertension. American Journal of Roentgenology, 2006, 187, 128-134.	2.2	4
108	Pulmonary endarterectomy: technique and pitfalls. Annals of Cardiothoracic Surgery, 2022, 11, 180-188.	1.7	4

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109	International survey on the perioperative management of pulmonary endarterectomy: the perfusion perspective. Perfusion (United Kingdom), 2018, 33, 53-61.	1.0	3
110	Noninvasive prediction of pulmonary hemodynamics in chronic thromboembolic pulmonary hypertension by electrocardiogram-gated computed tomography. European Journal of Radiology Open, 2021, 8, 100384.	1.6	3
111	The effective systematic heparin pre-treatment on thrombus formation on pulmonary artery catheter tips during pulmonary endarterectomy for chronic thromboembolic pulmonary hypertension: a randomized, double-blind study. Journal of Thrombosis and Thrombolysis, 2017, 44, 335-340.	2.1	2
112	Pulmonary endarterectomy and the cost of patient refusal. European Respiratory Journal, 2018, 52, 1801581.	6.7	2
113	Anomalous Origins of the Left Main Coronary Artery From the Noncoronary Sinus and of the Right Coronary Artery From the Left Sinus of Valsalva. Circulation, 1997, 96, 2731-2732.	1.6	2
114	Three-Dimensional Contrast-Enhanced Magnetic Resonance Angiography in a Patient With Chronic Thromboembolic Pulmonary Hypertension Before and After Thromboendarterectomy. Circulation, 1999, 99, 1101-1101.	1.6	1
115	The time difference between clinical improvement and exercise tolerance increase following pulmonary thromboendarterectomy. International Journal of Cardiology, 2016, 222, 267-269.	1.7	1
116	Giant Pulmonary Artery Thrombotic Material, Due to Chronic Thromboembolic Pulmonary Hypertension, Mimics Pulmonary Artery Sarcoma. Medicina (Lithuania), 2021, 57, 992.	2.0	1
117	Chronic thromboembolic pulmonary hypertension (CTEPH): specific disease characteristics and similarities to idiopathic pulmonary arterial hypertension. Clinical Research in Cardiology Supplements, 2010, 5, 12-15.	2.0	0
118	Chronic Thromboembolic Pulmonary Hypertension after Pulmonary Embolism, Thrombolysis, Catheter Fragmentation, and Embolectomy. The Thoracic and Cardiovascular Surgeon Reports, 2014, 03, 055-057.	0.3	0
119	Decision-making in pulmonary endarterectomy surgery. European Respiratory Journal, 2019, 53, 1802138.	6.7	Ο
120	Chronic thromboembolic pulmonary hypertension due to an implantable cardioverter-defibrillator's lead thrombosis. Hellenic Journal of Cardiology, 2021, 62, 488-489.	1.0	0
121	Cardiac biomarkers as indicators of right ventricular dysfunction and recovery in chronic thromboembolic pulmonary hypertension patients after balloon pulmonary angioplasty therapy – a cardiac magnetic resonance imaging cohort study. Pulmonary Circulation, 2021, 11, 1-10.	1.7	0
122	Pulmonary endarterectomy. , 2011, , 405-412.		0
123	Pulmonary endarterectomy reoperation: frequency, risk factors and outcomes. Annals of Cardiothoracic Surgery, 2021, 11, 0-0.	1.7	0