Eckhard Mayer

List of Publications by Year
in descending order

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123 papers	17,015 citations	36303 51 h-index	19749 117 g-index
126 all docs	126 docs citations	126 times ranked	8718 citing authors

#	Article	IF	Citations
1	Effects of BPA on right ventricular mechanical dysfunction in patients with inoperable CTEPH â€“ A cardiac magnetic resonance study. European Journal of Radiology, 2022, 147, 110111.	2.6	11
2	Does Age Matter? Pulmonary Endarterectomy in the Elderly Patient with CTEPH. Thoracic and Cardiovascular Surgeon, 2022, 70, 663-670.	1.0	8
3	Pulmonary endarterectomy: technique and pitfalls. Annals of Cardiothoracic Surgery, 2022, 11, 180-188.	1.7	4
4	Chronic thromboembolic pulmonary hypertension and impairment after pulmonary embolism: the FOCUS study. European Heart Journal, 2022, 43, 3387-3398.	2.2	69
5	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
6	Chronic thromboembolic pulmonary hypertension due to an implantable cardioverter-defibrillator's lead thrombosis. Hellenic Journal of Cardiology, 2021, 62, 488-489.	1.0	0
7	Interventional and pharmacological management of chronic thromboembolic pulmonary hypertension. Respiratory Medicine, 2021, 177, 106293.	2.9	11
8	Role of angiopoietin-2 in venous thrombus resolution and chronic thromboembolic disease. European Respiratory Journal, 2021, 58, 2004196.	6.7	14
9	Quality of Life 3 and 12 Months Following Acute Pulmonary Embolism. Chest, 2021, 159, 2428-2438.	0.8	34
10	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
11	Giant Pulmonary Artery Thrombotic Material, Due to Chronic Thromboembolic Pulmonary Hypertension, Mimics Pulmonary Artery Sarcoma. Medicina (Lithuania), 2021, 57, 992.	2.0	1
12	ERS statement on chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2021, 57, 2002828.	6.7	287
13	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
14	Cardiac biomarkers as indicators of right ventricular dysfunction and recovery in chronic thromboembolic pulmonary hypertension patients after balloon pulmonary angioplasty therapy â€“ a cardiac magnetic resonance imaging cohort study. Pulmonary Circulation, 2021, 11, 1-10.	1.7	0
15	Pulmonary endarterectomy reoperation: frequency, risk factors and outcomes. Annals of Cardiothoracic Surgery, 2021, 11, 0-0.	1.7	0
16	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
17	Risk factors for chronic thromboembolic pulmonary hypertension â€“ Importance of thyroid disease and function. Thrombosis Research, 2020, 185, 20-26.	1.7	9
18	Activated Endothelial TGFÎ²1 Signaling Promotes Venous Thrombus Nonresolution in Mice Via Endothelin-1. Circulation Research, 2020, 126, 162-181.	4.5	37

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19	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
20	Pregnancy-associated plasma protein A â€“ a new indicator of pulmonary vascular remodeling in chronic thromboembolic pulmonary hypertension?. Respiratory Research, 2020, 21, 204.	3.6	5
21	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
22	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
23	Myeloproliferative Diseases as Possible Risk Factor for Development of Chronic Thromboembolic Pulmonary Hypertensionâ€"A Genetic Study. International Journal of Molecular Sciences, 2020, 21, 3339.	4.1	13
24	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
25	Indefinite cytomegalovirus prophylaxis with valganciclovir after lung transplantation. Transplant Infectious Disease, 2019, 21, e13138.	1.7	5
26	The ADAMTS13â€"VWF axis is dysregulated in chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2019, 53, 1801805.	6.7	31
27	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
28	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
29	Decision-making in pulmonary endarterectomy surgery. European Respiratory Journal, 2019, 53, 1802138.	6.7	0
30	Chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2019, 53, 1801915.	6.7	607
31	Incidence and characteristics of chronic thromboembolic pulmonary hypertension in Germany. Clinical Research in Cardiology, 2018, 107, 548-553.	3.3	77
32	Balloon pulmonary angioplasty for inoperable patients with chronic thromboembolic disease. Pulmonary Circulation, 2018, 8, 1-6.	1.7	54
33	N-terminal proâ€"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
34	Epidemiology and management of chronic thromboembolic pulmonary hypertension: experience from two expert centers. Hellenic Journal of Cardiology, 2018, 59, 16-23.	1.0	12
35	Pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension. Journal of Heart and Lung Transplantation, 2018, 37, 250-258.	0.6	32
36	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

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37	International survey on the perioperative management of pulmonary endarterectomy: the perfusion perspective. Perfusion (United Kingdom), 2018, 33, 53-61.	1.0	3
38	Determinants of diagnostic delay in chronic thromboembolic pulmonary hypertension: results from the European CTEPH Registry. European Respiratory Journal, 2018, 52, 1801687.	6.7	78
39	Pulmonary endarterectomy and the cost of patient refusal. European Respiratory Journal, 2018, 52, 1801581.	6.7	2
40	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
41	Exercise right heart catheterisation before and after pulmonary endarterectomy in patients with chronic thromboembolic disease. European Respiratory Journal, 2018, 52, 1800458.	6.7	57
42	Chronic thromboembolic pulmonary hypertension (CTEPH): Updated Recommendations from the Cologne Consensus Conference 2018. International Journal of Cardiology, 2018, 272, 69-78.	1.7	140
43	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
44	The prognostic relevance of oxygen uptake in inoperable chronic thromboembolic pulmonary hypertension. Clinical Respiratory Journal, 2017, 11, 682-690.	1.6	7
45	Haemodynamic effects of riociguat in inoperable/recurrent chronic thromboembolic pulmonary hypertension. Heart, 2017, 103, 599-606.	2.9	34
46	Balloon pulmonary angioplasty for inoperable patients with chronic thromboembolic pulmonary hypertension: the initial German experience. European Respiratory Journal, 2017, 49, 1602409.	6.7	178
47	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
48	Balloon pulmonary angioplasty in chronic thromboembolic pulmonary hypertension. European Respiratory Review, 2017, 26, 160119.	7.1	183
49	Pulmonary endarterectomy in the management of chronic thromboembolic pulmonary hypertension. European Respiratory Review, 2017, 26, 160111.	7.1	229
50	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
51	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
52	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
53	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
54	From thrombosis to fibrosis in chronic thromboembolic pulmonary hypertension. Thrombosis and Haemostasis, 2017, 117, 769-783.	3.4	53

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55	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
56	Quality of life in patients with chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2016, 48, 526-537.	6.7	52
57	Pulmonary endarterectomy for the treatment of chronic thromboembolic pulmonary hypertension. Expert Review of Respiratory Medicine, 2016, 10, 673-684.	2.5	12
58	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
59	Operability assessment in CTEPH: Lessons from the CHEST-1 study. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 669-674.e3.	0.8	57
60	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
61	The time difference between clinical improvement and exercise tolerance increase following pulmonary thromboendarterectomy. International Journal of Cardiology, 2016, 222, 267-269.	1.7	1
62	Pulmonary Endarterectomy. Patient Selection, Technical Challenges, and Outcomes. Annals of the American Thoracic Society, 2016, 13, S240-S247.	3.2	128
63	Case report: Subjective loss of performance after pulmonary embolism in an athleteâ€“ beyond normal values. BMC Pulmonary Medicine, 2016, 16, 21.	2.0	5
64	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
65	Long-Term Outcome of Patients With Chronic Thromboembolic Pulmonary Hypertension. Circulation, 2016, 133, 859-871.	1.6	506
66	The Clinical Significance of HbA1c in Operable Chronic Thromboembolic Pulmonary Hypertension. PLoS ONE, 2016, 11, e0152580.	2.5	8
67	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
68	Pulmonary Hemodynamic Response to Exercise in Chronic Thromboembolic Pulmonary Hypertension before and after Pulmonary Endarterectomy. Respiration, 2015, 90, 63-73.	2.6	21
69	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
70	Chronic thromboembolic pulmonary hypertension: the evolving treatment landscape. European Respiratory Review, 2015, 24, 173-177.	7.1	9
71	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
72	Defective Angiogenesis Delays Thrombus Resolution. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 810-819.	2.4	95

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73	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
74	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
75	Chronic thromboembolic pulmonary hypertension: do we need a new definition?. European Respiratory Journal, 2014, 44, 1401-1403.	6.7	16
76	Saudi guidelines on the diagnosis and treatment of pulmonary hypertension: 2014 updates. Annals of Thoracic Medicine, 2014, 9, 1.	1.8	11
77	Saudi Guidelines on the Diagnosis and Treatment of Pulmonary Hypertension: Chronic thromboembolic pulmonary hypertension. Annals of Thoracic Medicine, 2014, 9, 62.	1.8	5
78	2014 ESC Guidelines on the diagnosis and management of acute pulmonary embolism. European Heart Journal, 2014, 35, 3033-3080.	2.2	2,591
79	Riociguat for the Treatment of Chronic Thromboembolic Pulmonary Hypertension. New England Journal of Medicine, 2013, 369, 319-329.	27.0	1,144
80	Chronic Thromboembolic Pulmonary Hypertension. Journal of the American College of Cardiology, 2013, 62, D92-D99.	2.8	503
81	Surgical treatment of chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2013, 41, 735-742.	6.7	154
82	Anxiety and depression disorders in patients with pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. Respiratory Research, 2013, 14, 104.	3.6	83
83	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
84	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
85	Factors associated with diagnosis and operability of chronic thromboembolic pulmonary hypertension. Thrombosis and Haemostasis, 2013, 110, 83-91.	3.4	96
86	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
87	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
88	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
89	Chronic thromboembolic pulmonary hypertension (CTEPH): Updated Recommendations of the Cologne Consensus Conference 2011. International Journal of Cardiology, 2011, 154, S54-S60.	1.7	93
90	Chronic Thromboembolic Pulmonary Hypertension (CTEPH). Circulation, 2011, 124, 1973-1981.	1.6	860

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91	Pulmonary endarterectomy. , 2011, , 405-412.		0
92	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
93	Inflammation in right ventricular dysfunction due to thromboembolic pulmonary hypertension. International Journal of Cardiology, 2010, 144, 206-211.	1.7	35
94	Interventional and Surgical Modalities of Treatment in Pulmonary Hypertension. Journal of the American College of Cardiology, 2009, 54, S67-S77.	2.8	230
95	Guidelines on the diagnosis and management of acute pulmonary embolism. European Heart Journal, 2008, 29, 2276-2315.	2.2	2,645
96	Oxygen-sensitive 3He-MRI in bronchiolitis obliterans after lung transplantation. European Radiology, 2008, 18, 530-537.	4.5	35
97	Bosentan for Treatment of Inoperable Chronic Thromboembolic Pulmonary Hypertension. Journal of the American College of Cardiology, 2008, 52, 2127-2134.	2.8	506
98	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
99	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
100	Chronic thromboembolic pulmonary hypertension â€" assessment by magnetic resonance imaging. European Radiology, 2007, 17, 11-21.	4.5	103
101	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
102	Techniques and Outcomes of Pulmonary Endarterectomy for Chronic Thromboembolic Pulmonary Hypertension. Proceedings of the American Thoracic Society, 2006, 3, 589-593.	3.5	75
103	Chronic Thromboembolic Pulmonary Hypertension. Circulation, 2006, 113, 2011-2020.	1.6	791
104	Bosentan Therapy for Inoperable Chronic Thromboembolic Pulmonary Hypertension. Chest, 2005, 128, 2363-2367.	0.8	166
105	Inhaled iloprost to control residual pulmonary hypertension following pulmonary endarterectomy. European Journal of Cardio-thoracic Surgery, 2005, 28, 882-888.	1.4	95
106	Chronic Thromboembolic Pulmonary Hypertension: Pre- and Postoperative Assessment with Breath-hold MR Imaging Techniques. Radiology, 2004, 232, 535-543.	7.3	164
107	3He-MRI in follow-up of lung transplant recipients. European Radiology, 2004, 14, 78-85.	4.5	55
108	Interventional and surgical modalities of treatment for pulmonary arterial hypertension. Journal of the American College of Cardiology, 2004, 43, S73-S80.	2.8	194

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109	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
110	Value of contrast-enhanced MR angiography and helical CT angiography in chronic thromboembolic pulmonary hypertension. European Radiology, 2003, 13, 2365-2371.	4.5	82
111	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
112	Assessment of cardiac performance using Tei indices in patients undergoing pulmonary thromboendarterectomy. Annals of Thoracic Surgery, 2002, 73, 762-766.	1.3	37
113	Expression of apoptosis-related proteins, p53, and DNA fragmentation in sarcomas of the pulmonary artery. Cancer, 2001, 92, 1237-1244.	4.1	11
114	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
115	Surgical treatment of pulmonary artery sarcoma. Journal of Thoracic and Cardiovascular Surgery, 2001, 121, 77-82.	0.8	101
116	Pathophysiology of Impaired Right and Left Ventricular Function in Chronic Embolic Pulmonary Hypertension. Chest, 2000, 118, 897-903.	0.8	173
117	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
118	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
119	Mid-term results of pulmonary thromboendarterectomy for chronic thromboembolic pulmonary hypertension. Annals of Thoracic Surgery, 1996, 61, 1788-1792.	1.3	133
120	Quantification of mitral valve stenosis by three-dimensional transesophageal echocardiography. International Journal of Cardiovascular Imaging, 1996, 12, 241-247.	0.6	27
121	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
122	Hemodilution reduces early reperfusion injury in an ex vivo rabbit lung preservation model. Annals of Thoracic Surgery, 1994, 57, 731-735.	1.3	15
123	Spiral CT of Bronchial Arteries in Chronic Thromboembolism. Journal of Computer Assisted Tomography, 1994, 18, 855-861.	0.9	107