

Peter Alter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

127
papers

2,471
citations

24
h-index

45
g-index

146
ext. papers

2,913
ext. citations

4.7
avg, IF

4.8
L-index

#	Paper	IF	Citations
127	Rapid determination of polyphenols and vitamin C in plant-derived products. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 1370-3	5.7	443
126	Complications of implantable cardioverter defibrillator therapy in 440 consecutive patients. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2005 , 28, 926-32	1.6	196
125	Diabetic cardiomyopathy--fact or fiction?. <i>Herz</i> , 2011 , 36, 102-15	2.6	114
124	Comparison of geometry-based and CT voxel-based finite element modelling and experimental validation. <i>Medical Engineering and Physics</i> , 1998 , 20, 515-22	2.4	111
123	Cardiotoxicity of 5-fluorouracil. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2006 , 4, 1-5	1.9	94
122	Heart rate variability in patients with cardiac hypertrophy--relation to left ventricular mass and etiology. <i>American Heart Journal</i> , 2006 , 151, 829-36	4.9	61
121	MR, CT, and PET imaging in pericardial disease. <i>Heart Failure Reviews</i> , 2013 , 18, 289-306	5	51
120	B-type natriuretic peptide and wall stress in dilated human heart. <i>Molecular and Cellular Biochemistry</i> , 2008 , 314, 179-91	4.2	47
119	Increased end diastolic wall stress precedes left ventricular hypertrophy in dilative heart failure--use of the volume-based wall stress index. <i>International Journal of Cardiology</i> , 2012 , 157, 233-8	3.2	44
118	A new methodological approach to assess cardiac work by pressure-volume and stress-length relations in patients with aortic valve stenosis and dilated cardiomyopathy. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 455, 627-36	4.6	43
117	Occurrence of late gadolinium enhancement is associated with increased left ventricular wall stress and mass in patients with non-ischaemic dilated cardiomyopathy. <i>European Journal of Heart Failure</i> , 2011 , 13, 937-44	12.3	39
116	Relation of B-type natriuretic peptide to left ventricular wall stress as assessed by cardiac magnetic resonance imaging in patients with dilated cardiomyopathy. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007 , 85, 790-9	2.4	38
115	Activated nuclear transcription factor kappaB in patients with myocarditis and dilated cardiomyopathy--relation to inflammation and cardiac function. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 339, 180-7	3.4	36
114	Endomyocardial fibrosis in Churg-Strauss syndrome assessed by cardiac magnetic resonance imaging. <i>International Journal of Cardiology</i> , 2006 , 108, 112-3	3.2	36
113	Arrhythmia risk stratification with regard to prophylactic implantable defibrillator therapy in patients with dilated cardiomyopathy. Results of MACAS, DEFINITE, and SCD-HeFT. <i>Herz</i> , 2004 , 29, 348-52 ⁶		34
112	The revised GOLD 2017 COPD categorization in relation to comorbidities. <i>Respiratory Medicine</i> , 2018 , 134, 79-85	4.6	34
111	Personalized medicine for patients with COPD: where are we?. <i>International Journal of COPD</i> , 2019 , 14, 1465-1484	3	32

110	Caffeine inhibits cytokine expression in lymphocytes. <i>Cytokine</i> , 2005 , 30, 177-81	4	32
109	Wall stress determines systolic and diastolic function--Characteristics of heart failure. <i>International Journal of Cardiology</i> , 2016 , 202, 685-93	3.2	30
108	Apoptosis in myocarditis and dilated cardiomyopathy: does enterovirus genome persistence protect from apoptosis? An endomyocardial biopsy study. <i>Cardiovascular Pathology</i> , 2001 , 10, 229-34	3.8	29
107	Airway obstruction and lung hyperinflation in COPD are linked to an impaired left ventricular diastolic filling. <i>Respiratory Medicine</i> , 2018 , 137, 14-22	4.6	27
106	Inverse shift in serum polyunsaturated and monounsaturated fatty acids is associated with adverse dilatation of the heart. <i>Heart</i> , 2010 , 96, 595-8	5.1	26
105	Relationship of hyperlipidemia to comorbidities and lung function in COPD: Results of the COSYCONET cohort. <i>PLoS ONE</i> , 2017 , 12, e0177501	3.7	26
104	Prevalence of comorbidities in COPD patients by disease severity in a German population. <i>Respiratory Medicine</i> , 2017 , 132, 132-138	4.6	24
103	Non-compaction cardiomyopathy in an adult with hereditary spherocytosis. <i>European Journal of Heart Failure</i> , 2007 , 9, 98-9	12.3	23
102	Lethal heart failure caused by aluminium phosphide poisoning. <i>Intensive Care Medicine</i> , 2001 , 27, 327	14.5	23
101	Uric acid, lung function, physical capacity and exacerbation frequency in patients with COPD: a multi-dimensional approach. <i>Respiratory Research</i> , 2018 , 19, 110	7.3	22
100	Magnetic resonance imaging in pericardial diseases. Indications and diagnostic value. <i>Herz</i> , 2006 , 31, 708-14	2.6	22
99	Validity and Usability of Physical Activity Monitoring in Patients with Chronic Obstructive Pulmonary Disease (COPD). <i>PLoS ONE</i> , 2016 , 11, e0157229	3.7	22
98	A new method to assess ventricular wall stress in patients with heart failure and its relation to heart rate variability. <i>International Journal of Cardiology</i> , 2010 , 139, 301-3	3.2	21
97	Dilated cardiomyopathies as a cause of congestive heart failure. <i>Herz</i> , 2002 , 27, 113-34	2.6	21
96	Management of patients with suspected (peri-)myocarditis and inflammatory dilated cardiomyopathy. <i>Herz</i> , 2006 , 31, 881-90	2.6	20
95	Usefulness of cytokines interleukin-6 and interleukin-2R concentrations in diagnosing active infective endocarditis involving native valves. <i>American Journal of Cardiology</i> , 2002 , 89, 1400-4	3	20
94	Benefits of High-Intensity Exercise Training to Patients with Chronic Obstructive Pulmonary Disease: A Controlled Study. <i>Respiration</i> , 2017 , 93, 301-310	3.7	18
93	Doxepin-induced torsade de pointes tachycardia. <i>Annals of Internal Medicine</i> , 2001 , 135, 384-5	8	18

92	Airflow limitation in COPD is associated with increased left ventricular wall stress in coincident heart failure. <i>Respiratory Medicine</i> , 2015 , 109, 1131-7	4.6	17
91	Mechanisms involved in the differential reduction of omega-3 and omega-6 highly unsaturated fatty acids by structural heart disease resulting in "HUFA deficiency". <i>Canadian Journal of Physiology and Pharmacology</i> , 2012 , 90, 55-73	2.4	17
90	Right ventricular cardiac myxoma. Diagnostic usefulness of cardiac magnetic resonance imaging. <i>Herz</i> , 2005 , 30, 663-7	2.6	17
89	Left ventricular volume and wall stress are linked to lung function impairment in COPD. <i>International Journal of Cardiology</i> , 2018 , 261, 172-178	3.2	16
88	Echocardiographic findings mimicking type A aortic dissection. <i>Herz</i> , 2006 , 31, 153-5	2.6	16
87	Association of hyperhomocysteinemia with left ventricular dilatation and mass in human heart. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010 , 48, 555-60	5.9	15
86	Longitudinal stability of blood eosinophil count strata in the COPD COSYCONET cohort. <i>International Journal of COPD</i> , 2018 , 13, 2999-3002	3	15
85	Prevalence of cardiac comorbidities, and their underdetection and contribution to exertional symptoms in COPD: results from the COSYCONET cohort. <i>International Journal of COPD</i> , 2019 , 14, 2163-2172	3.2	14
84	N-3 polyunsaturated fatty acids and statins in heart failure. <i>Lancet, The</i> , 2009 , 373, 378-9; author reply 380-1	4.0	14
83	Intrapericardial procedures for cardiac regeneration by stem cells: need for minimal invasive access (AttachLifter) to the normal pericardial cavity. <i>Herz</i> , 2010 , 35, 458-65	2.6	14
82	Assessment and relevance of ventricular wall stress in heart failure. <i>European Heart Journal</i> , 2008 , 29, 2316	9.5	12
81	Acute heart failure--basic pathomechanism and new drug targets. <i>Herz</i> , 2006 , 31, 727-35	2.6	12
80	Diagnosis of primary cardiac lymphoma by endomyocardial biopsy. <i>American Journal of Medicine</i> , 2001 , 110, 593-4	2.4	12
79	High-sensitivity troponin I and all-cause mortality in patients with stable COPD: an analysis of the COSYCONET study. <i>European Respiratory Journal</i> , 2020 , 55,	13.6	12
78	Marine omega-3 highly unsaturated fatty acids: From mechanisms to clinical implications in heart failure and arrhythmias. <i>Vascular Pharmacology</i> , 2016 , 82, 11-9	5.9	12
77	COPD as a risk factor of the complications in lower limb arthroplasty: a patient-matched study. <i>International Journal of COPD</i> , 2018 , 13, 2495-2499	3	12
76	Depression of heart rate variability in patients with increased ventricular wall stress. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009 , 32 Suppl 1, S26-31	1.6	11
75	Varicella myocarditis in an adult. <i>British Heart Journal</i> , 2001 , 85, E2		11

74	Whole-body vibration therapy in intensive care patients: A feasibility and safety study. <i>Journal of Rehabilitation Medicine</i> , 2016 , 48, 316-21	3.4	11
73	Update in Chronic Obstructive Pulmonary Disease 2019. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 348-355	10.2	10
72	Increased ventricular wall stress and late gadolinium enhancement in Takotsubo cardiomyopathy. <i>International Journal of Cardiology</i> , 2014 , 172, e184-6	3.2	10
71	Transfer factor for carbon monoxide in patients with COPD and diabetes: results from the German COSYCONET cohort. <i>Respiratory Research</i> , 2017 , 18, 14	7.3	10
70	The missing link between heart failure and sleep disordered breathing: increased left ventricular wall stress. <i>International Journal of Cardiology</i> , 2012 , 157, 294-7	3.2	10
69	Replacement of reduced highly unsaturated fatty acids (HUFA deficiency) in dilative heart failure: dosage of EPA/DHA and variability of adverse peroxides and aldehydes in dietary supplement fish oils. <i>Cardiology</i> , 2013 , 125, 223-31	1.6	10
68	Indications for angiography subsequent to coronary artery bypass grafting. <i>American Heart Journal</i> , 2005 , 149, 1082-90	4.9	10
67	Effect of long-acting β agonists olodaterol and formoterol on heart rate and blood pressure in chronic obstructive pulmonary disease patients. <i>Pulmonary Pharmacology and Therapeutics</i> , 2018 , 52, 1-6	3.5	9
66	CAT score single item analysis in patients with COPD: Results from COSYCONET. <i>Respiratory Medicine</i> , 2019 , 159, 105810	4.6	9
65	Exercise training leads to physiological left ventricular hypertrophy in COPD. <i>International Journal of Cardiology</i> , 2014 , 174, 156-7	3.2	9
64	Development of a saphenous vein coronary artery bypass graft pseudoaneurysm. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2004 , 3, 171-3	1.8	9
63	Hemorrhagic fever with renal syndrome: diagnostic problems with a known disease. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 3414-6	9.7	9
62	Effects of airway obstruction and hyperinflation on electrocardiographic axes in COPD. <i>Respiratory Research</i> , 2019 , 20, 61	7.3	8
61	Effect of COPD severity and comorbidities on the result of the PHQ-9 tool for the diagnosis of depression: results from the COSYCONET cohort study. <i>Respiratory Research</i> , 2019 , 20, 30	7.3	8
60	Relationship of spirometric, body plethysmographic, and diffusing capacity parameters to emphysema scores derived from CT scans. <i>Chronic Respiratory Disease</i> , 2019 , 16, 1479972318775423	3	8
59	Prediction of air trapping or pulmonary hyperinflation by forced spirometry in COPD patients: results from COSYCONET. <i>ERJ Open Research</i> , 2020 , 6,	3.5	8
58	Adherence To Respiratory And Nonrespiratory Medication In Patients With COPD: Results Of The German COSYCONET Cohort. <i>Patient Preference and Adherence</i> , 2019 , 13, 1711-1721	2.4	7
57	Failure of omega-3 fatty acids in atrial fibrillation? No deficiency of highly unsaturated fatty acids in the absence of heart failure. <i>Europace</i> , 2011 , 13, 1357; author reply 1357-8	3.9	7

56	Escape from cardiomyocyte apoptosis by enterovirus persistence due to elevated soluble Fas-receptors. <i>Clinical Research in Cardiology</i> , 2004 , 93, 524-32		7
55	Coronary artery spasm induced by 5-fluorouracil. <i>Clinical Research in Cardiology</i> , 2005 , 94, 33-7		7
54	Time-updated resting heart rate predicts mortality in patients with COPD. <i>Clinical Research in Cardiology</i> , 2020 , 109, 776-786	6.1	7
53	The association of cognitive functioning as measured by the DemTect with functional and clinical characteristics of COPD: results from the COSYCONET cohort. <i>Respiratory Research</i> , 2019 , 20, 257	7.3	7
52	From Heart Failure to Highly Unsaturated Fatty Acid Deficiency and Vice Versa: Bidirectional Heart and Liver Interactions. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 217-25	3.8	6
51	Myocardial fibrosis in left ventricular non-compaction: is late gadolinium enhancement indeed indicative of fibrosis?. <i>European Journal of Heart Failure</i> , 2011 , 13, 577-8	12.3	6
50	Outcomes of elderly recipients of implantable cardioverter defibrillators. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007 , 30 Suppl 1, S134-8	1.6	6
49	Omega-3 highly unsaturated fatty acids and arrhythmia risk: influences of load conditions and a differential endogenous metabolism. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1267-1268 ^{15.1}		5
48	Impact of Education on COPD Severity and All-Cause Mortality in Lifetime Never-Smokers and Longtime Ex-Smokers: Results of the COSYCONET Cohort. <i>International Journal of COPD</i> , 2020 , 15, 2787 ² 2798 ⁵		5
47	Mechanisms increasing n-3 highly unsaturated fatty acids in the heart. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016 , 94, 309-23	2.4	5
46	Late gadolinium enhancement and higher risk of arrhythmias: fibrosis or increased ventricular wall stress?. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1194; author reply 1194-5	15.1	5
45	Occurrence of late gadolinium enhancement in ventricular ballooning or Tako-Tsubo syndrome: increased wall stress should not be overlooked. <i>European Heart Journal</i> , 2009 , 30, 2948-9; author reply 2949	9.5	5
44	Letter by Alter and Rupp regarding article, "OMEGA, a randomized, placebo-controlled trial to test the effect of highly purified omega-3 fatty acids on top of modern guideline-adjusted therapy after myocardial infarction". <i>Circulation</i> , 2011 , 124, e23; author reply e24-5	16.7	5
43	Early occurrence of septic pericarditis after Nissen fundoplication. <i>American Journal of Medicine</i> , 2003 , 115, 507-8	2.4	4
42	Anti-interleukin-5 therapy (mepolizumab) in life-threatening asthma attack: A case-based discussion. <i>Respiratory Medicine Case Reports</i> , 2019 , 28, 100927	1.2	3
41	Influence of body mass on predicted values of static hyperinflation in COPD. <i>International Journal of COPD</i> , 2018 , 13, 2551-2555	3	3
40	Mystery of myocardial midwall late enhancement?. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 1569-70	2.5	3
39	Increased ventricular wall stress and late gadolinium enhancement in Takotsubo cardiomyopathy. <i>International Journal of Cardiology</i> , 2014 , 174, 804-5	3.2	3

38	Pronounced epsilon waves in arrhythmogenic right ventricular dysplasia. <i>Journal of Cardiovascular Electrophysiology</i> , 2004 , 15, 248	2.7	3
37	Bidirectional ventricular tachycardia due to digitalis intoxication. <i>Clinical Research in Cardiology</i> , 2005 , 94, 79-80		3
36	COPD maintenance medication is linked to left atrial size: Results from the COSYCONET cohort. <i>Respiratory Medicine</i> , 2021 , 185, 106461	4.6	3
35	Myocardial homing of mesenchymal stem cells following intrapericardial application and amplification by inflammation - an experimental pilot study. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017 , 95, 1064-1066	2.4	2
34	Prognostic value of late gadolinium enhancement in cardiomyopathy: causative risk factor or surrogate marker?. <i>International Journal of Cardiology</i> , 2015 , 180, 111-3	3.2	2
33	Late gadolinium enhancement in sarcoidosis: ventricular wall stress should not be overlooked. <i>Chest</i> , 2015 , 147, e118	5.3	2
32	Treatment of sleep-disordered breathing in heart failure: reduction of high ventricular wall stress should be a diagnostic and therapeutic target. <i>European Journal of Heart Failure</i> , 2012 , 14, 1189	12.3	2
31	From sleep-disordered breathing to increased left ventricular wall stress in heart failure. <i>Chest</i> , 2012 , 142, 813	5.3	2
30	Long-term survival with acquired ventricular septal defect after myocardial infarction. <i>Annals of Thoracic Surgery</i> , 2004 , 78, 2178-80	2.7	2
29	361 Depression of cardiac working capacity in dilated cardiomyopathy. <i>European Journal of Heart Failure, Supplement</i> , 2007 , 6, 83-83		2
28	Relationship between clinical and radiological signs of bronchiectasis in COPD patients: Results from COSYCONET. <i>Respiratory Medicine</i> , 2020 , 172, 106117	4.6	2
27	Assessing Symptom Burden. <i>Clinics in Chest Medicine</i> , 2020 , 41, 367-373	5.3	2
26	No Influence on Cardiac Arrhythmia or Heart Rate from Long-Term Treatment with Tiotropium/Olodaterol versus Monocomponents by Holter ECG Analysis in Patients with Moderate-to-Very-Severe COPD. <i>International Journal of COPD</i> , 2020 , 15, 1945-1953	3	2
25	Absence of Adverse Effects of Tiotropium/Olodaterol Compared with the Monocomponents on Long-Term Heart Rate and Blood Pressure in Patients with Moderate-to-Very-Severe COPD. <i>International Journal of COPD</i> , 2020 , 15, 1935-1944	3	2
24	A Post Hoc Holter ECG Analysis of Olodaterol and Formoterol in Moderate-to-Very-Severe COPD. <i>International Journal of COPD</i> , 2020 , 15, 1955-1965	3	2
23	Treatment of COPD Groups GOLD A and B with Inhaled Corticosteroids in the COSYCONET Cohort - Determinants and Consequences. <i>International Journal of COPD</i> , 2021 , 16, 987-998	3	2
22	COPD und kardiovaskuläre Komorbiditäten. <i>Pneumo News</i> , 2018 , 10, 27-31	0	1
21	Feasibility and safety of whole-body vibration therapy in intensive care patients. <i>Critical Care</i> , 2017 , 21, 91	10.8	1

20	Letter by Alter regarding article, "Myocardial fibrosis as a key determinant of left ventricular remodeling in idiopathic dilated cardiomyopathy: a contrast-enhanced cardiovascular magnetic study". <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, e77	3.9	1
19	Accuracy of cardiac magnetic resonance imaging modalities to diagnose myocarditis. <i>European Journal of Heart Failure</i> , 2011 , 13, 1041	12.3	1
18	Pericardial effusion and non-constrictive diastolic dysfunction in acromegaly. <i>European Journal of Radiology Extra</i> , 2006 , 58, 81-84		1
17	Image of the month. Cardiac arrest due to severe hyperkalemia. <i>Herz</i> , 2004 , 29, 353	2.6	1
16	Cardiac arrest following carotid sinus massage. <i>Journal of Cardiovascular Electrophysiology</i> , 2001 , 12, 1331	2.7	1
15	Angiography, CT and MR imaging of a high vena cava inferior interruption in a patient with Hirschsprung disease. <i>Vasa - European Journal of Vascular Medicine</i> , 2001 , 30, 299-302	1.9	1
14	Reduced decline of lung diffusing capacity in COPD patients with diabetes and metformin treatment.. <i>Scientific Reports</i> , 2022 , 12, 1435	4.9	1
13	Lower Prevalence of Osteoporosis in Patients with COPD Taking Anti-Inflammatory Compounds for the Treatment of Diabetes: Results from COSYCONET. <i>International Journal of COPD</i> , 2021 , 16, 3189-3199	3.9	1
12	Randomized clinical trial shows no substantial modulation of empathy-related neural activation by intranasal oxytocin in autism. <i>Scientific Reports</i> , 2021 , 11, 15056	4.9	1
11	Gender-specific differences in COPD symptoms and their impact for the diagnosis of cardiac comorbidities. <i>Clinical Research in Cardiology</i> , 2021 , 1	6.1	1
10	RE: Relation of Late Gadolinium Enhancement to Increased Ventricular Wall Stress in Dilated Cardiomyopathy. <i>Korean Journal of Radiology</i> , 2016 , 17, 171-2	6.9	1
9	Prediction of lung emphysema in COPD by spirometry and clinical symptoms: results from COSYCONET. <i>Respiratory Research</i> , 2021 , 22, 242	7.3	1
8	Interruption of the inferior vena cava in a patient with Hirschsprung disease. <i>Annals of Internal Medicine</i> , 2000 , 132, 1007-8	8	0
7	Prognostic Value of Oxygenated Hemoglobin Assessed during Acute Exacerbations of Chronic Pulmonary Disease. <i>Respiration</i> , 2021 , 100, 387-394	3.7	0
6	Deterioration and Mortality Risk of COPD Patients Not Fitting into Standard GOLD Categories: Results of the COSYCONET Cohort. <i>Respiration</i> , 2021 , 100, 308-317	3.7	0
5	A simple risk score for mortality including the PCR Ct value upon admission in patients hospitalized due to COVID-19.. <i>Infection</i> , 2022 , 1	5.8	0
4	Interaktion Lungenberblung und Herzfunktion. <i>Pneumo News</i> , 2020 , 12, 28-32	0	
3	Reply to letter from Josef Finsterer and Claudia Stollberger. <i>European Journal of Heart Failure</i> , 2007 , 9, 101-101	12.3	

2 Lipomatous hypertrophy of the interatrial septum. Diagnosis by cardiac magnetic resonance imaging. *Clinical Research in Cardiology*, **2005**, 94, 429-30

1 Concomitance of cardiovascular and pulmonary disorders: mutual bystanders or causal interactions?. *Kardiologia Polska*, **2018**, 76, 1027-1028

0.9