

# Christoph Knosalla

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6284721/publications.pdf>

Version: 2024-02-01

99  
papers

4,658  
citations

117625

34  
h-index

102487

66  
g-index

99  
all docs

99  
docs citations

99  
times ranked

6721  
citing authors

#	ARTICLE	IF	CITATIONS
1	Uric Acid and Survival in Chronic Heart Failure. <i>Circulation</i> , 2003, 107, 1991-1997.	1.6	532
2	The Translational Landscape of the Human Heart. <i>Cell</i> , 2019, 178, 242-260.e29.	28.9	407
3	Strain and Strain Rate Imaging by Echocardiography - Basic Concepts and Clinical Applicability. <i>Current Cardiology Reviews</i> , 2009, 5, 133-148.	1.5	329
4	Human Anti-fungal Th17 Immunity and Pathology Rely on Cross-Reactivity against <i>Candida albicans</i> . <i>Cell</i> , 2019, 176, 1340-1355.e15.	28.9	321
5	Ectonucleotidases of CD39 Family Modulate Vascular Inflammation and Thrombosis in Transplantation. <i>Seminars in Thrombosis and Hemostasis</i> , 2005, 31, 217-233.	2.7	185
6	Prediction of Cardiac Stability After Weaning From Left Ventricular Assist Devices in Patients With Idiopathic Dilated Cardiomyopathy. <i>Circulation</i> , 2008, 118, S94-105.	1.6	170
7	Heart failure reversal by ventricular unloading in patients with chronic cardiomyopathy: criteria for weaning from ventricular assist devices. <i>European Heart Journal</i> , 2011, 32, 1148-1160.	2.2	154
8	Prognostic Impact of Microvasculopathy on Survival After Heart Transplantation. <i>Circulation</i> , 2007, 116, 1274-1282.	1.6	153
9	Suppression of Natural and Elicited Antibodies in Pig-to-Baboon Heart Transplantation Using a Human Anti-Human CD154 mAb-Based Regimen. <i>American Journal of Transplantation</i> , 2004, 4, 363-372.	4.7	129
10	Sex-dependent regulation of fibrosis and inflammation in human left ventricular remodelling under pressure overload. <i>European Journal of Heart Failure</i> , 2014, 16, 1160-1167.	7.1	127
11	Thrombotic microangiopathy and graft arteriopathy in pig hearts following transplantation into baboons. <i>Xenotransplantation</i> , 2004, 11, 416-425.	2.8	125
12	Autologous CD133+ bone marrow cells and bypass grafting for regeneration of ischaemic myocardium: the Cardio133 trial. <i>European Heart Journal</i> , 2014, 35, 1263-1274.	2.2	111
13	Prosthetic graft infection after descending thoracic/ thoracoabdominal aortic aneurysmectomy: Management with in situ arterial allografts. <i>Journal of Vascular Surgery</i> , 2001, 33, 671-678.	1.1	100
14	Transcriptome Characterization of Estrogen-Treated Human Myocardium Identifies Myosin Regulatory Light Chain Interacting Protein as a Sex-Specific Element Influencing Contractile Function. <i>Journal of the American College of Cardiology</i> , 2012, 59, 410-417.	2.8	95
15	Porcine cytomegalovirus and coagulopathy in pig-to-primate xenotransplantation <sup>1</sup> . <i>Transplantation</i> , 2003, 75, 1841-1847.	1.0	88
16	ACUTE VASCULAR REJECTION OF XENOGRAFTS: ROLES OF NATURAL AND ELICITED XENOREACTIVE ANTIBODIES IN ACTIVATION OF VASCULAR ENDOTHELIAL CELLS AND INDUCTION OF PROCOAGULANT ACTIVITY. <i>Transplantation</i> , 2004, 77, 1735-1741.	1.0	84
17	Maladaptive Remodeling Is Associated With Impaired Survival in Women But Not in Men After Aortic Valve Replacement. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 1073-1080.	5.3	80
18	Long-term benefits of immunoadsorption in $\beta_1$ -adrenoceptor autoantibody-positive transplant candidates with dilated cardiomyopathy. <i>European Journal of Heart Failure</i> , 2012, 14, 1374-1388.	7.1	77

#	ARTICLE	IF	CITATIONS
19	Reduction of Consumptive Coagulopathy Using Porcine Cytomegalovirus-Free Cardiac Porcine Grafts in Pig-to-Primate Xenotransplantation. <i>Transplantation</i> , 2004, 78, 1449-1453.	1.0	75
20	Randomized trial of ticagrelor vs. aspirin in patients after coronary artery bypass grafting: the TiCAB trial. <i>European Heart Journal</i> , 2019, 40, 2432-2440.	2.2	61
21	Activation of Porcine Cytomegalovirus, but Not Porcine Lymphotropic Herpesvirus, in Pig-to-Baboon Xenotransplantation. <i>Journal of Infectious Diseases</i> , 2004, 189, 1628-1633.	4.0	60
22	COVID-19 among heart transplant recipients in Germany: a multicenter survey. <i>Clinical Research in Cardiology</i> , 2020, 109, 1531-1539.	3.3	60
23	Pre-Explant Stability of Unloading-Promoted Cardiac Improvement Predicts Outcome After Weaning From Ventricular Assist Devices. <i>Circulation</i> , 2012, 126, S9-19.	1.6	58
24	Orthotopic Heart Transplantation in Patients With Marfan Syndrome. <i>Annals of Thoracic Surgery</i> , 2007, 83, 1691-1695.	1.3	53
25	Anti-CD154 monoclonal antibody and thromboembolism revisited. <i>Transplantation</i> , 2002, 74, 416.	1.0	53
26	Impact of different long-term maintenance immunosuppressive therapy strategies on patients' outcome after heart transplantation. <i>Transplant Immunology</i> , 2010, 23, 93-103.	1.2	51
27	Early weaning of piglets fails to exclude porcine lymphotropic herpesvirus. <i>Xenotransplantation</i> , 2005, 12, 59-62.	2.8	49
28	Coronary atherosclerosis of the donor heart – impact on early graft failure†. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 32, 634-638.	1.4	45
29	Assessment of right ventricular adaptability to loading conditions can improve the timing of listing to transplantation in patients with pulmonary arterial hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2015, 34, 319-328.	0.6	45
30	Correlation of Biochemical and Hematological Changes with Graft Failure Following Pig Heart and Kidney Transplantation in Baboons. <i>American Journal of Transplantation</i> , 2003, 3, 1510-1519.	4.7	42
31	Observational Study With Everolimus (Certican) in Combination With Low-dose Cyclosporine in De Novo Heart Transplant Recipients. <i>Journal of Heart and Lung Transplantation</i> , 2007, 26, 700-704.	0.6	40
32	Contribution of ventricular assist devices to the recovery of failing hearts: a review and the Berlin Heart Center Experience. <i>European Journal of Heart Failure</i> , 2014, 16, 248-263.	7.1	40
33	CD40L controls obesity-associated vascular inflammation, oxidative stress, and endothelial dysfunction in high fat diet-treated and db/db mice. <i>Cardiovascular Research</i> , 2018, 114, 312-323.	3.8	37
34	Sex-specific modification of progesterone receptor expression by 17 $\beta$ -oestradiol in human cardiac tissues. <i>Biology of Sex Differences</i> , 2010, 1, 2.	4.1	36
35	Everolimus Prevents Endomyocardial Remodeling After Heart Transplantation. <i>Transplantation</i> , 2011, 92, 1165-1172.	1.0	35
36	Severe Chronic Pulmonary Hypertension Caused by Pulmonary Embolism of Hydatid Cysts. <i>Annals of Thoracic Surgery</i> , 2007, 84, 2108-2110.	1.3	31

#	ARTICLE	IF	CITATIONS
37	Heart transplantation in heart failure: The prognostic importance of body mass index at time of surgery and subsequent weight changes. <i>European Journal of Heart Failure</i> , 2007, 9, 839-844.	7.1	30
38	Survival of Patients With Idiopathic Pulmonary Arterial Hypertension After Listing for Transplantation: Impact of Iloprost and Bosentan Treatment. <i>Journal of Heart and Lung Transplantation</i> , 2007, 26, 898-906.	0.6	27
39	Quilty Indicates Increased Risk for Microvasculopathy and Poor Survival After Heart Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 289-296.	0.6	25
40	Global work index correlates with established prognostic parameters of heart failure. <i>Echocardiography</i> , 2020, 37, 412-420.	0.9	24
41	Immunoabsorption can improve cardiac function in transplant candidates with non-ischemic dilated cardiomyopathy associated with diabetes mellitus. <i>Atherosclerosis Supplements</i> , 2015, 18, 124-133.	1.2	23
42	Non-Doppler Two-dimensional Strain Imagingâ€œClinical Applications. <i>Journal of the American Society of Echocardiography</i> , 2007, 20, 1019.	2.8	21
43	A Decade of Percutaneous Coronary Interventions in Cardiac Transplant Recipients: A Monocentric Study in 160 Patients. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 17-25.	0.6	21
44	Sex-Specific Human Cardiomyocyte Gene Regulation in Left Ventricular Pressure Overload. <i>Mayo Clinic Proceedings</i> , 2020, 95, 688-697.	3.0	21
45	A randomized, parallel group, double-blind study of ticagrelor compared with aspirin for prevention of vascular events in patients undergoing coronary artery bypass graft operation: Rationale and design of the Ticagrelor in CABG (TiCAB) trial. <i>American Heart Journal</i> , 2016, 179, 69-76.	2.7	20
46	Myocardial Work Assessment for the Prediction of Prognosis in Advanced Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 691611.	2.4	20
47	Two-Dimensional Speckle Tracking Strain Analysis for Efficacy Assessment of Myocardial Cell Therapy. <i>Cell Transplantation</i> , 2009, 18, 361-370.	2.5	18
48	Left ventricular wall motion abnormality and myocardial dysfunction in stress cardiomyopathy: New pathophysiological aspects suggested by echocardiography. <i>International Journal of Cardiology</i> , 2009, 135, e40-e43.	1.7	16
49	Altered melusin expression in the hearts of aortic stenosis patients. <i>European Journal of Heart Failure</i> , 2007, 9, 568-573.	7.1	15
50	Beneficial Effect of Female Gender on Long-Term Survival After Heart Transplantation. <i>Transplantation</i> , 2008, 86, 348-356.	1.0	15
51	The role of fibroblast â€œ Cardiomyocyte interaction for atrial dysfunction in HFpEF and hypertensive heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 131, 53-65.	1.9	15
52	Alkaptonuric aortic stenosis. <i>European Heart Journal</i> , 2008, 29, 444-444.	2.2	14
53	Left Ventricular Assist Devices and Drug Therapy in Heart Failure. <i>New England Journal of Medicine</i> , 2007, 356, 869-872.	27.0	12
54	Xenotransplantation and tolerance. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, d1280.	3.0	12

#	ARTICLE	IF	CITATIONS
55	Modulation of Circulating Endothelin-1 and Big Endothelin by Nitric Oxide Inhalation Following Left Ventricular Assist Device Implantation. <i>Circulation</i> , 2003, 108, 278II-284.	1.6	11
56	The effects of bilateral lung transplantation on ventilatory efficiency, oxygen uptake and the right heart: a two-yr follow-up. <i>Clinical Transplantation</i> , 2011, 25, E38-E45.	1.6	11
57	Left Ventricular Cardiac Hemangioma Presenting With Atypical Chest Pain. <i>Circulation</i> , 2008, 117, 2958-2960.	1.6	10
58	Validity of the 6-Minute Walk Test in Patients with End-Stage Lung Diseases Wearing an Oronasal Surgical Mask in Times of the COVID-19 Pandemic. <i>Respiration</i> , 2021, 100, 594-599.	2.6	10
59	Abnormal aortic flow profiles persist after aortic valve replacement in the majority of patients with aortic valve disease: how model-based personalized therapy planning could improve results. A pilot study approach. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 133-141.	1.4	9
60	Fluorescence In Situ Hybridization and Polymerase Chain Reaction to Detect Infections in Patients With Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2021, 67, 536-545.	1.6	9
61	Traumatic dissection of the innominate artery. <i>European Journal of Cardio-thoracic Surgery</i> , 2000, 18, 370-370.	1.4	8
62	Tissue Doppler Imaging: Diagnostic and Prognostic Value. <i>Journal of the American College of Cardiology</i> , 2007, 50, 1614.	2.8	8
63	CT-Based Simulation of Left Ventricular Hemodynamics: A Pilot Study in Mitral Regurgitation and Left Ventricle Aneurysm Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 828556.	2.4	8
64	Safety of bioelectrical impedance analysis in advanced heart failure patients. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020, 43, 1078-1085.	1.2	7
65	Development of tricuspid regurgitation and right ventricular performance after implantation of centrifugal left ventricular assist devices. <i>Annals of Cardiothoracic Surgery</i> , 2021, 10, 364-374.	1.7	7
66	Travelling with heart failure: risk assessment and practical recommendations. <i>Nature Reviews Cardiology</i> , 2022, 19, 302-313.	13.7	7
67	Relative effects of GAL+ and GAlow/- porcine hematopoietic cells on primate platelet aggregation and endothelial cell activation: implications for the induction of mixed hematopoietic chimerism in the pig-to-primate model. <i>Xenotransplantation</i> , 2004, 11, 72-77.	2.8	6
68	On the function of biosynthesized cellulose as barrier against bacterial colonization of VAD drivelines. <i>Scientific Reports</i> , 2021, 11, 18776.	3.3	6
69	A giant neuroendocrine tumor of the thymus gland causing superior vena cava syndrome. <i>General Thoracic and Cardiovascular Surgery</i> , 2012, 60, 863-867.	0.9	4
70	Validity of visual assessment of aortic valve morphology in patients with aortic stenosis using two-dimensional echocardiography. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 813-823.	1.5	4
71	Promyelocytic leukemia protein promotes the phenotypic switch of smooth muscle cells in atherosclerotic plaques of human coronary arteries. <i>Clinical Science</i> , 2021, 135, 887-905.	4.3	4
72	Study design and rationale of the pAtients pResenTing with cOngenital heaRt diseAse Register (ARTORIAâ€). <i>ESC Heart Failure</i> , 2021, 8, 5542-5550.	3.1	4

#	ARTICLE	IF	CITATIONS
73	Adjusting preoperative risk models of post heart transplant survival to a European cohort in the age of a new cardiac allocation score in Europe. <i>Heart Surgery Forum</i> , 2018, 21, E527-E533.	0.5	4
74	Prognostic impact of secondary prevention after coronary artery bypass graftingâ€”insights from the TiCAB trial. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	4
75	Thrombus formation at the inflow cannula of continuousâ€flow left ventricular assist devicesâ€”A systematic analysis. <i>Artificial Organs</i> , 2022, 46, 1573-1584.	1.9	4
76	Non-specific removal of antibodies in patients with idiopathic dilated cardiomyopathy: implications for xenotransplantation. <i>Journal of Heart and Lung Transplantation</i> , 2004, 23, 623-626.	0.6	3
77	Increase in N-terminal fragment of the prohormone brain-type natriuretic peptide as a measure for predicting outcome after urgent heart transplantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2010, 37, 864-869.	1.4	3
78	Multislice computed tomography-guided surgical repair of acquired posterior left ventricular aneurysms: demonstration of mitral valve and left ventricular reverse remodelling. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 23, 383-390.	1.1	3
79	Impaired Relaxation and Reduced Lusitropic Reserve in Atrial Myocardium in the Obese Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 739907.	2.4	3
80	Giant true inferoposterior left ventricular aneurysm presenting with heart failure: insights from multimodality imaging. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 46, 333-333.	1.4	2
81	Giant pseudoaneurysm on left ventricular posterolateral wall with an orifice between papillary muscles. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 19, 869-871.	1.1	2
82	Feasibility of two-dimensional speckle-tracking echocardiography of aortic valve in patients with calcific aortic valve disease. <i>Journal of Biomechanics</i> , 2021, 122, 110474.	2.1	2
83	Surgical Restoration of Antero-Apical Left Ventricular Aneurysms: Cardiac Computed Tomography for Therapy Planning. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 763073.	2.4	2
84	Clinical, Molecular, and Genomic Changes After Left Ventricular Assist Device Implantation. <i>Journal of the American College of Cardiology</i> , 2011, 57, 2459-2460.	2.8	1
85	Speckle-Tracking Echocardiography for Assessment of Myocardial Viability and Dysfunction in Coronary Artery Disease. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 911-912.	2.8	1
86	Longitudinal strain under dobutamine stress echocardiography in patient with light chain cardiac amyloidosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 486-486.	1.2	1
87	Impact of Muscle Mass as a Prognostic Factor for Failed Waiting Time Prior to Heart Transplantation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 731293.	2.4	1
88	Minimally invasive left ventricular reconstruction of a postinfarction, anterior left ventricular scar (BioVentric Revivent TC procedure). , 2020, 2020, .		1
89	Predictive Value of Two-Dimensional Speckle-Tracking Echocardiography in Patients Undergoing Surgical Ventricular Restoration. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 824467.	2.4	1
90	Rupture of abdominal aortic aneurysm into duodenum. <i>European Journal of Cardio-thoracic Surgery</i> , 2003, 24, 1035.	1.4	0

#	ARTICLE	IF	CITATIONS
91	Invited commentary. Annals of Thoracic Surgery, 2007, 84, 24.	1.3	0
92	Invited Commentary. Annals of Thoracic Surgery, 2013, 95, 1020.	1.3	0
93	Pulmonary venous hypertension vs. pulmonary arterial hypertension: Usefulness of echocardiography in the case of misleading heart catheterization data. International Journal of Cardiology, 2014, 177, e102-e104.	1.7	0
94	Letter by Dandel et al Regarding Article, "Systolic and Diastolic Mechanics in Stress Cardiomyopathy". Circulation, 2015, 131, e369.	1.6	0
95	Case Report: Early Transplant Rejection of a Methanol-Intoxicated Donor Heart in a Young Female Patient. A Diagnostic Approach With CMR, Cardiac Biopsy, and Genetic Risk Assessment. Frontiers in Immunology, 2020, 11, 575635.	4.8	0
96	Coronary collateralization of a tumor located in the aorto-pulmonary window. Annals of Thoracic Surgery, 2021, 112, e477.	1.3	0
97	Surgical ventricular reconstruction eligible for late assist device implantation. Annals of Thoracic Surgery, 2021, , .	1.3	0
98	Abstract 11414: Temporary Right Ventricular Mechanical Support in Addition to a Left Ventricular Assist Device: When is It Required and When is Its Removal Feasible?. Circulation, 2014, 130, .	1.6	0
99	Diagnostic and Prognostic Value of a TDI-Derived Systolic Wall Motion Analysis as a Screening Modality for Allograft Rejection after Heart Transplantation. Life, 2021, 11, 1206.	2.4	0