

# Fabian Knebel

## List of Publications by Year in descending order

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Version: 2024-02-01

88

papers

2,669

citations

172457

29

h-index

206112

48

g-index

92

all docs

92

docs citations

92

times ranked

3827

citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Coronary Angiography by 320-Row Computed Tomography With Lower Radiation Exposure and Maintained Diagnostic Accuracy. <i>Circulation</i> , 2009, 120, 867-875.	1.6	306
2	Targeting CD38 with Daratumumab in Refractory Systemic Lupus Erythematosus. <i>New England Journal of Medicine</i> , 2020, 383, 1149-1155.	27.0	178
3	Right Ventricular Function Assessed by Two-Dimensional Strain and Tissue Doppler Echocardiography in Patients With Pulmonary Arterial Hypertension and Effect of Vasodilator Therapy. <i>American Journal of Cardiology</i> , 2006, 98, 530-534.	1.6	120
4	Left Atrial Function in Preclinical Diastolic Dysfunction: Two-Dimensional Speckle-Tracking Echocardiography—Derived Results from the BEFRI Trial. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 750-758.	2.8	96
5	Computed Tomography Angiography and Myocardial Computed Tomography Perfusion in Patients With Coronary Stents. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1476-1485.	2.8	90
6	Potential role of humoral immunity in cardiac dysfunction of patients suffering from dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2004, 44, 829-836.	2.8	89
7	Evaluation of computed tomography in patients with atypical angina or chest pain clinically referred for invasive coronary angiography: randomised controlled trial. <i>BMJ</i> , The, 2016, 355, i5441.	6.0	86
8	Impact of Gender on Three-Month Outcome and Left Ventricular Remodeling After Transfemoral Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2012, 110, 884-890.	1.6	77
9	Isovolumetric Elasticity Alteration in the Human Heart Detected by In Vivo Time-Harmonic Elastography. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 2272-2278.	1.5	64
10	Myocardial Function in Older Male Amateur Marathon Runners: Assessment by Tissue Doppler Echocardiography, Speckle Tracking, and Cardiac Biomarkers. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 803-809.	2.8	60
11	Two-dimensional speckle tracking of the left ventricle in patients with systemic sclerosis for an early detection of myocardial involvement. <i>European Heart Journal Cardiovascular Imaging</i> , 2012, 13, 863-870.	1.2	58
12	Early right ventricular systolic dysfunction in patients with systemic sclerosis without pulmonary hypertension: a Doppler Tissue and Speckle Tracking echocardiography study. <i>Cardiovascular Ultrasound</i> , 2010, 8, 3.	1.6	57
13	Effects of immunoadsorption and subsequent immunoglobulin G substitution on cardiopulmonary exercise capacity in patients with dilated cardiomyopathy. <i>American Heart Journal</i> , 2010, 159, 809-816.	2.7	52
14	Reduction of morbidity by immunoadsorption therapy in patients with dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2004, 97, 517-520.	1.7	49
15	Cardiac and renal function in a large cohort of amateur marathon runners. <i>Cardiovascular Ultrasound</i> , 2015, 13, 13.	1.6	49
16	Long-term Follow-up of a Fenestrated Amplatzer Atrial Septal Occluder in Pulmonary Arterial Hypertension. <i>Chest</i> , 2008, 133, 283-285.	0.8	47
17	Recovery of left ventricular and left atrial mechanics in various entities of aortic stenosis 12 months after TAVI. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 389-398.	1.2	47
18	Treatment of Severe Tricuspid Regurgitation in Patients with Advanced Heart Failure with CAval Vein Implantation of the Edwards Sapien XT Valve (TRICAVAL): a randomised controlled trial. <i>EuroIntervention</i> , 2020, 15, 1506-1513.	3.2	42

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19	Evaluation of Longitudinal and Radial Two-dimensional Strain Imaging Versus Doppler Tissue Echocardiography in Predicting Long-term Response to Cardiac Resynchronization Therapy. Journal of the American Society of Echocardiography, 2007, 20, 335-341.	2.8	41
20	Improved Left Ventricular Structure and Function After Successful Kidney Transplantation. Kidney and Blood Pressure Research, 2016, 41, 701-709.	2.0	41
21	Acute regional improvement of myocardial function after interventional transfemoral aortic valve replacement in aortic stenosis: A speckle tracking echocardiography study. Cardiovascular Ultrasound, 2012, 10, 15.	1.6	40
22	Galectin-3 predicts short- and long-term outcome in patients undergoing transcatheter aortic valve implantation (TAVI). International Journal of Cardiology, 2014, 177, 912-917.	1.7	37
23	Shear-wave Amplitudes Measured with Cardiac MR Elastography for Diagnosis of Diastolic Dysfunction. Radiology, 2014, 271, 681-687.	7.3	37
24	Bronchogenic Cyst of the Interatrial Septum Presenting as Atrioventricular Block. Annals of Thoracic Surgery, 2009, 87, 1920-1923.	1.3	36
25	Transesophageal echocardiography in patients with cryptogenic cerebral ischemia. Cardiovascular Ultrasound, 2009, 7, 15.	1.6	33
26	Short-Term Effects of Transcatheter Aortic Valve Implantation on Left Atrial Mechanics and Left Ventricular Diastolic Function. Journal of the American Society of Echocardiography, 2013, 26, 64-71.e2.	2.8	33
27	Galectin-3 increase in endurance athletes. European Journal of Preventive Cardiology, 2014, 21, 1192-1199.	1.8	33
28	DNA double-strand breaks as potential indicators for the biological effects of ionising radiation exposure from cardiac CT and conventional coronary angiography: a randomised, controlled study. European Radiology, 2012, 22, 1641-1650.	4.5	32
29	Echocardiographic follow-up of patients with systemic sclerosis by 2D speckle tracking echocardiography of the left ventricle. Cardiovascular Ultrasound, 2014, 12, 13.	1.6	32
30	Left atrial strain predicts hemodynamic parameters in cardiovascular patients. Echocardiography, 2017, 34, 1170-1178.	0.9	28
31	Doppler haemodynamics and effective orifice areas of Edwards SAPIEN and CoreValve transcatheter aortic valves. European Heart Journal Cardiovascular Imaging, 2012, 13, 690-696.	1.2	26
32	Increased longitudinal contractility and diastolic function at rest in well-trained amateur Marathon runners: a speckle tracking echocardiography study. Cardiovascular Ultrasound, 2014, 12, 11.	1.6	26
33	Phasic left atrial strain analysis to discriminate cardiac amyloidosis in patients with unclear thick heart pathology. European Heart Journal Cardiovascular Imaging, 2021, 22, 680-687.	1.2	26
34	Application of Speckle-Tracking Echocardiography in an Experimental Model of Isolated Subendocardial Damage. Journal of the American Society of Echocardiography, 2017, 30, 1239-1250.e2.	2.8	25
35	Global work index correlates with established prognostic parameters of heart failure. Echocardiography, 2020, 37, 412-420.	0.9	24
36	Single beat 3D echocardiography for the assessment of right ventricular dimension and function after endurance exercise: Intraindividual comparison with magnetic resonance imaging. Cardiovascular Ultrasound, 2012, 10, 6.	1.6	22

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37	Left atrial mechanics predict the success of pulmonary vein isolation in patients with atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2014, 40, 53-62.	1.3	20
38	Disproportionate mitral regurgitation: another myth? A critical appraisal of echocardiographic assessment of functional mitral regurgitation. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 183-196.	1.5	20
39	Myocardial Work Assessment for the Prediction of Prognosis in Advanced Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 691611.	2.4	20
40	Expert consensus document on the assessment of the severity of aortic valve stenosis by echocardiography to provide diagnostic conclusiveness by standardized verifiable documentation. <i>Clinical Research in Cardiology</i> , 2020, 109, 271-288.	3.3	19
41	Tissue Doppler echocardiography and biventricular pacing in heart failure: Patient selection, procedural guidance, follow-up, quantification of success. <i>Cardiovascular Ultrasound</i> , 2004, 2, 17.	1.6	18
42	Diagnostic accuracy of new handheld echocardiography with doppler and harmonic imaging properties. <i>Journal of the American Society of Echocardiography</i> , 2004, 17, 234-238.	2.8	18
43	Prevalence of arterial stiffness and the risk of myocardial diastolic dysfunction in women. <i>Bioscience Reports</i> , 2016, 36, .	2.4	18
44	Influence of the atrio-ventricular delay optimization on the intra left ventricular delay in cardiac resynchronization therapy. <i>Cardiovascular Ultrasound</i> , 2006, 4, 5.	1.6	17
45	Exercise-induced changes of left ventricular diastolic function in postmenopausal amateur marathon runners: assessment by echocardiography and cardiac biomarkers. <i>European Journal of Preventive Cardiology</i> , 2014, 21, 782-790.	1.8	17
46	Percutaneous biventricular Impella support in therapy-refractory cardiogenic shock. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2018, 47, 250-252.	1.6	17
47	Normative reference data, determinants, and clinical implications of right atrial reservoir function in women assessed by 2D speckle-tracking echocardiography. <i>Echocardiography</i> , 2018, 35, 1542-1549.	0.9	17
48	Rapid molecular diagnosis of infective aortic valve endocarditis caused by <i>Coxiella burnetii</i> . <i>Infection</i> , 2016, 44, 813-817.	4.7	15
49	Noninvasive monitoring of cardiac function in a chronic ischemic heart failure model in the rat: Assessment with tissue Doppler and non-Doppler 2D strain echocardiography. <i>Cardiovascular Ultrasound</i> , 2011, 9, 15.	1.6	13
50	Levels of Circulating Intermediate Monocytes Decrease after Aortic Valve Replacement in Patients with Severe Aortic Stenosis. <i>Thrombosis and Haemostasis</i> , 2017, 117, 2346-2355.	3.4	13
51	Right heart function in impaired left ventricular diastolic function: 2D speckle tracking echocardiography-based and Doppler tissue imaging-based analysis of right atrial and ventricular function. <i>Echocardiography</i> , 2018, 35, 47-55.	0.9	13
52	Circumferential 2D-strain imaging for the prediction of long term response to cardiac resynchronization therapy. <i>Cardiovascular Ultrasound</i> , 2008, 6, 28.	1.6	12
53	Echocardiographic assessment of mitral regurgitation: discussion of practical and methodologic aspects of severity quantification to improve diagnostic conclusiveness. <i>Clinical Research in Cardiology</i> , 2021, 110, 1704-1733.	3.3	12
54	Expert opinion paper on cardiac imaging after ischemic stroke. <i>Clinical Research in Cardiology</i> , 2021, 110, 938-958.	3.3	12

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55	Electrocardiographic monitoring during marathon running: a proof of feasibility for a new telemedical approach. <i>European Journal of Preventive Cardiology</i> , 2014, 21, 32-37.	1.8	11
56	Mid-regional pro-adrenomedullin (MR-proADM) and mid-regional pro-atrial natriuretic peptide (MR-proANP) in severe aortic valve stenosis: association with outcome after transcatheter aortic valve implantation (TAVI). <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 275-283.	2.3	11
57	Serum creatinine and cystatin C-based estimates of glomerular filtration rate are misleading in acute heart failure. <i>ESC Heart Failure</i> , 2021, 8, 3070-3081.	3.1	11
58	Percutaneous closure of interatrial communications in adults – prospective embolism prevention study with two- and three-dimensional echocardiography. <i>Cardiovascular Ultrasound</i> , 2004, 2, 5.	1.6	10
59	Myocardial tissue Doppler echocardiography and N-terminal B-type natriuretic peptide (NT-proBNP) in diastolic and systolic heart failure. <i>Cardiovascular Ultrasound</i> , 2008, 6, 45.	1.6	10
60	Atypical vessels as an early sign of intracardiac myxoma?. <i>Cardiovascular Ultrasound</i> , 2004, 2, 13.	1.6	9
61	Inferior Caval Valve Implantation Versus Optimal Medical Therapy for Severe Tricuspid Regurgitation. <i>Journal of the American College of Cardiology</i> , 2019, 74, 473-475.	2.8	9
62	Renal Allograft Loss Caused by Cardiorenal Syndrome. <i>Transplantation</i> , 2015, 99, 1208-1215.	1.0	8
63	Time-Resolved Analysis of Left Ventricular Shear Wave Amplitudes in Cardiac Elastography for the Diagnosis of Diastolic Dysfunction. <i>Investigative Radiology</i> , 2016, 51, 1-6.	6.2	8
64	Associations of 2D speckle tracking echocardiography-based right heart deformation parameters and invasively assessed hemodynamic measurements in patients with pulmonary hypertension. <i>Cardiovascular Ultrasound</i> , 2020, 18, 13.	1.6	8
65	Does contrast echocardiography induce increases in markers of myocardial necrosis, inflammation and oxidative stress suggesting myocardial injury?. <i>Cardiovascular Ultrasound</i> , 2005, 3, 21.	1.6	7
66	Noninvasive monitoring of myocardial function after surgical and cytostatic therapy in a peritoneal metastasis rat model: assessment with tissue Doppler and non-Doppler 2D strain echocardiography. <i>Cardiovascular Ultrasound</i> , 2007, 5, 23.	1.6	7
67	Long-Term Doppler Hemodynamics and Effective Orifice Areas of Edwards SAPIEN and Medtronic CoreValve Prostheses after TAVI. <i>Echocardiography</i> , 2014, 31, 302-310.	0.9	7
68	Midterm echocardiographic follow-up of cardiac function after living kidney donation. <i>Clinical Nephrology</i> , 2015, 83 (2015), 253-261.	0.7	7
69	Diagnosis of Left Ventricular Diastolic Dysfunction Using Cardiac Magnetic Resonance Imaging: Comparison of Volume-Time Curves Derived from Long- and Short-Axis Cine Steady-State Free Precession Datasets. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020, 192, 764-775.	1.3	7
70	Discordance between estimated and measured changes in plasma volume among patients with acute heart failure. <i>ESC Heart Failure</i> , 2022, 9, 66-76.	3.1	7
71	Perforation of the right ventricle by bone cement: a rare complication of kyphoplasty. <i>European Heart Journal</i> , 2013, 34, 1203-1203.	2.2	6
72	Effect of ivabradine-induced heart rate reduction on flow-mediated dilation measured with high-sensitivity ultrasound in patients with stable coronary heart disease. <i>Cardiovascular Ultrasound</i> , 2014, 12, 5.	1.6	6

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73	An optimized imaging protocol for [99mTc]Tc-DPD scintigraphy and SPECT/CT quantification in cardiac transthyretin (ATTR) amyloidosis. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2483-2496.	2.1	6
74	Coexistence of calcified- and lipid-containing plaque components and their association with incidental rupture points in acute coronary syndrome-causing culprit lesions: results from the prospective OPTICO-ACS study. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1598-1605.	1.2	6
75	Using subdomain-specific item sets affected PROMIS physical function scores differently in cardiology and rheumatology patients. <i>Journal of Clinical Epidemiology</i> , 2020, 127, 151-160.	5.0	5
76	Implementation of seven echocardiographic parameters of myocardial asynchrony to improve the long-term response rate of cardiac resynchronization therapy (CRT). <i>Cardiovascular Ultrasound</i> , 2008, 6, 58.	1.6	4
77	Hemodynamic improvement of acutely decompensated heart failure patients is associated with decreasing levels of NT-proBNP. <i>International Journal of Cardiology</i> , 2009, 134, 260-263.	1.7	4
78	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
79	Glucagonoma-induced acute heart failure. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2014, 2014, 140061.	0.5	4
80	Interventricular septum hematoma during cineventriculography. <i>Cardiovascular Ultrasound</i> , 2008, 6, 4.	1.6	3
81	Right Ventricular Metastasis Caused by a Renal Cell Carcinoma (Grawitz Tumor): Case Report. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 1073.e11-1073.e15.	2.8	2
82	Remission of an Intracardiac Melanoma Metastasis after Tremelimumab Therapy. <i>Case Reports in Dermatology</i> , 2015, 6, 34-36.	0.8	2
83	Galectin-3 and prediction of therapeutic response to renal sympathetic denervation. <i>Clinical and Experimental Hypertension</i> , 2016, 38, 399-403.	1.3	2
84	Rapid progression of aortic and mitral stenosis in a patient with AA amyloidosis: a case report. <i>European Heart Journal - Case Reports</i> , 2019, 3, .	0.6	2
85	Cardiac Effects of Experimental Intravenous Bone Marrow Cell Transplantation after Myocardial Infarction. <i>Annals of Thoracic and Cardiovascular Surgery</i> , 2012, 18, 452-457.	0.8	1
86	Progressive Hereditary Transthyretin-Related Amyloidosis (ATTRv) Aggravated by ATTR Wild-Type and Complement Activation. <i>Journal of Neuropathology and Experimental Neurology</i> , 2022, 81, 299-303.	1.7	1
87	Progression of electrocardiogram changes in an untreated fabry disease: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab045.	0.6	0
88	Atypical presentation of a locally advanced hepatocellular carcinoma: Extensive workup of an incidental finding on computed tomography performed for planning of transcatheter aortic valve implantation. <i>Radiology Case Reports</i> , 2021, 16, 2112-2118.	0.6	0