

# Fabian Knebel

## List of Publications by Year in descending order

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88  
papers

2,669  
citations

172207

29  
h-index

205818

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.	13.9	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.	0.7	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.	1.2	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.	1.2	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.	1.2	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, The</i> , 2016, 355, i5441.	3.0	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.	0.7	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.	0.7	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.	1.2	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.	0.5	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.	0.5	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.	1.2	52
14	Reduction of morbidity by immunoadsorption therapy in patients with dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2004, 97, 517-520.	0.8	49
15	Cardiac and renal function in a large cohort of amateur marathon runners. <i>Cardiovascular Ultrasound</i> , 2015, 13, 13.	0.5	49
16	Long-term Follow-up of a Fenestrated Amplatzer Atrial Septal Occluder in Pulmonary Arterial Hypertension. <i>Chest</i> , 2008, 133, 283-285.	0.4	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.	0.5	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.	1.4	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. <i>Journal of the American Society of Echocardiography</i> , 2007, 20, 335-341.	1.2	41
20	Improved Left Ventricular Structure and Function After Successful Kidney Transplantation. <i>Kidney and Blood Pressure Research</i> , 2016, 41, 701-709.	0.9	41
21	Acute regional improvement of myocardial function after interventional transfemoral aortic valve replacement in aortic stenosis: A speckle tracking echocardiography study. <i>Cardiovascular Ultrasound</i> , 2012, 10, 15.	0.5	40
22	Galectin-3 predicts short- and long-term outcome in patients undergoing transcatheter aortic valve implantation (TAVI). <i>International Journal of Cardiology</i> , 2014, 177, 912-917.	0.8	37
23	Shear-wave Amplitudes Measured with Cardiac MR Elastography for Diagnosis of Diastolic Dysfunction. <i>Radiology</i> , 2014, 271, 681-687.	3.6	37
24	Bronchogenic Cyst of the Interatrial Septum Presenting as Atrioventricular Block. <i>Annals of Thoracic Surgery</i> , 2009, 87, 1920-1923.	0.7	36
25	Transesophageal echocardiography in patients with cryptogenic cerebral ischemia. <i>Cardiovascular Ultrasound</i> , 2009, 7, 15.	0.5	33
26	Short-Term Effects of Transcatheter Aortic Valve Implantation on Left Atrial Mechanics and Left Ventricular Diastolic Function. <i>Journal of the American Society of Echocardiography</i> , 2013, 26, 64-71.e2.	1.2	33
27	Galectin-3 increase in endurance athletes. <i>European Journal of Preventive Cardiology</i> , 2014, 21, 1192-1199.	0.8	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. <i>European Radiology</i> , 2012, 22, 1641-1650.	2.3	32
29	Echocardiographic follow-up of patients with systemic sclerosis by 2D speckle tracking echocardiography of the left ventricle. <i>Cardiovascular Ultrasound</i> , 2014, 12, 13.	0.5	32
30	Left atrial strain predicts hemodynamic parameters in cardiovascular patients. <i>Echocardiography</i> , 2017, 34, 1170-1178.	0.3	28
31	Doppler haemodynamics and effective orifice areas of Edwards SAPIEN and CoreValve transcatheter aortic valves. <i>European Heart Journal Cardiovascular Imaging</i> , 2012, 13, 690-696.	0.5	26
32	Increased longitudinal contractility and diastolic function at rest in well-trained amateur Marathon runners: a speckle tracking echocardiography study. <i>Cardiovascular Ultrasound</i> , 2014, 12, 11.	0.5	26
33	Phasic left atrial strain analysis to discriminate cardiac amyloidosis in patients with unclear thick heart pathology. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 680-687.	0.5	26
34	Application of Speckle-Tracking Echocardiography in an Experimental Model of Isolated Subendocardial Damage. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 1239-1250.e2.	1.2	25
35	Global work index correlates with established prognostic parameters of heart failure. <i>Echocardiography</i> , 2020, 37, 412-420.	0.3	24
36	Single beat 3D echocardiography for the assessment of right ventricular dimension and function after endurance exercise: Intraindividual comparison with magnetic resonance imaging. <i>Cardiovascular Ultrasound</i> , 2012, 10, 6.	0.5	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.	0.6	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.	0.7	20
39	Myocardial Work Assessment for the Prediction of Prognosis in Advanced Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 691611.	1.1	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.	1.5	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.	0.5	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.	1.2	18
43	Prevalence of arterial stiffness and the risk of myocardial diastolic dysfunction in women. <i>Bioscience Reports</i> , 2016, 36, .	1.1	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.	0.5	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.	0.8	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.	0.8	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.	0.3	17
48	Rapid molecular diagnosis of infective aortic valve endocarditis caused by <i>Coxiella burnetii</i> . <i>Infection</i> , 2016, 44, 813-817.	2.3	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.	0.5	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.	1.8	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.	0.3	13
52	Circumferential 2D-strain imaging for the prediction of long term response to cardiac resynchronization therapy. <i>Cardiovascular Ultrasound</i> , 2008, 6, 28.	0.5	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.	1.5	12
54	Expert opinion paper on cardiac imaging after ischemic stroke. <i>Clinical Research in Cardiology</i> , 2021, 110, 938-958.	1.5	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.	0.8	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.	1.4	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.	1.4	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.	0.5	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.	0.5	10
60	Atypical vessels as an early sign of intracardiac myxoma?. <i>Cardiovascular Ultrasound</i> , 2004, 2, 13.	0.5	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.	1.2	9
62	Renal Allograft Loss Caused by Cardiorenal Syndrome. <i>Transplantation</i> , 2015, 99, 1208-1215.	0.5	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.	3.5	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.	0.5	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.	0.5	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.	0.5	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.	0.3	7
68	Midterm echocardiographic follow-up of cardiac function after living kidney donation. <i>Clinical Nephrology</i> , 2015, 83 (2015), 253-261.	0.4	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.	0.7	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.	1.4	7
71	Perforation of the right ventricle by bone cement: a rare complication of kyphoplasty. <i>European Heart Journal</i> , 2013, 34, 1203-1203.	1.0	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.	0.5	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.	1.4	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.	0.5	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.	2.4	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.	0.5	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.	0.8	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.	0.7	4
79	Glucagonoma-induced acute heart failure. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2014, 2014, 140061.	0.2	4
80	Interventricular septum hematoma during cineventriculography. <i>Cardiovascular Ultrasound</i> , 2008, 6, 4.	0.5	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.	1.2	2
82	Remission of an Intracardiac Melanoma Metastasis after Tremelimumab Therapy. <i>Case Reports in Dermatology</i> , 2015, 6, 34-36.	0.3	2
83	Galectin-3 and prediction of therapeutic response to renal sympathetic denervation. <i>Clinical and Experimental Hypertension</i> , 2016, 38, 399-403.	0.5	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, .	0.3	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.	0.3	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.	0.9	1
87	Progression of electrocardiogram changes in an untreated fabry disease: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab045.	0.3	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.	0.2	0