

# John-Peder Escobar Kvitting

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,910  
citations

236925

25  
h-index

254184

43  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transit of Blood Flow Through the Human Left Ventricle Mapped by Cardiovascular Magnetic Resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007, 9, 741-747.	3.3	187
2	Flow patterns in the aortic root and the aorta studied with time-resolved, 3-dimensional, phase-contrast magnetic resonance imaging: implications for aortic valve-sparing surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 127, 1602-1607.	0.8	185
3	Quantification of intravoxel velocity standard deviation and turbulence intensity by generalizing phase-contrast MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 850-858.	3.0	128
4	Assessment of fluctuating velocities in disturbed cardiovascular blood flow: In vivo feasibility of generalized phase-contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 655-663.	3.4	128
5	How Accurate Is Visual Assessment of Synchronicity in Myocardial Motion? An In Vitro Study with Computer-Simulated Regional Delay in Myocardial Motion: Clinical Implications for Rest and Stress Echocardiography Studies. <i>Journal of the American Society of Echocardiography</i> , 1999, 12, 698-705.	2.8	113
6	David valve-sparing aortic root replacement: Equivalent mid-term outcome for different valve types with or without connective tissue disorder. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 117-127.e5.	0.8	101
7	Mitral Valve Annuloplasty. <i>Annals of Biomedical Engineering</i> , 2012, 40, 750-761.	2.5	66
8	In vivo dynamic strains of the ovine anterior mitral valve leaflet. <i>Journal of Biomechanics</i> , 2011, 44, 1149-1157.	2.1	64
9	Tirone David valve-sparing aortic root replacement and cusp repair for bicuspid aortic valve disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, S35-S40.e2.	0.8	64
10	Characterization of Mitral Valve Annular Dynamics in the Beating Heart. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1690-1702.	2.5	60
11	Rigid, Complete Annuloplasty Rings Increase Anterior Mitral Leaflet Strains in the Normal Beating Ovine Heart. <i>Circulation</i> , 2011, 124, S81-96.	1.6	48
12	Effects of different annuloplasty rings on anterior mitral leaflet dimensions. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 139, 1114-1122.	0.8	40
13	In vitro assessment of flow patterns and turbulence intensity in prosthetic heart valves using generalized phase-contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1075-1080.	3.4	38
14	Incidence and progression of mild aortic regurgitation after Tirone David reimplantation valve-sparing aortic root replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 169-178.e3.	0.8	37
15	Anatomic M-Mode Echocardiography: A New Approach to Assess Regional Myocardial Function—A Comparative In Vivo and In Vitro Study of Both Fundamental and Second Harmonic Imaging Modes. <i>Journal of the American Society of Echocardiography</i> , 1999, 12, 300-307.	2.8	36
16	Hemodynamic aspects of mitral regurgitation assessed by generalized phase-contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 582-588.	3.4	36
17	Greater asymmetric wall shear stress in Sievers' type 1/LR compared with 0/LAT bicuspid aortic valves after valve-sparing aortic root replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 59-68.	0.8	36
18	Clarence Crafoord: A Giant in Cardiothoracic Surgery, the First to Repair Aortic Coarctation. <i>Annals of Thoracic Surgery</i> , 2009, 87, 342-346.	1.3	35

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19	Inflammation and Mechanical Stress Stimulate Osteogenic Differentiation of Human Aortic Valve Interstitial Cells. <i>Frontiers in Physiology</i> , 2018, 9, 1635.	2.8	34
20	How do annuloplasty rings affect mitral leaflet dynamic motion? <i>European Journal of Cardio-thoracic Surgery</i> , 2010, 38, 340-349.	1.4	33
21	Three-Directional Myocardial Motion Assessed Using 3D Phase Contrast MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004, 6, 627-636.	3.3	31
22	Interstitial cells in calcified aortic valves have reduced differentiation potential and stem cell-like properties. <i>Scientific Reports</i> , 2019, 9, 12934.	3.3	30
23	How Do Annuloplasty Rings Affect Mitral Annular Strains in the Normal Beating Ovine Heart?. <i>Circulation</i> , 2012, 126, S231-8.	1.6	29
24	Anterior Mitral Leaflet Curvature During the Cardiac Cycle in the Normal Ovine Heart. <i>Circulation</i> , 2010, 122, 1683-1689.	1.6	28
25	Evaluation of Marfan patients status post valve-sparing aortic root replacement with 4D flow. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1479-1484.	1.8	27
26	Validation of pressure drop assessment using 4D flow MRI-based turbulence production in various shapes of aortic stenoses. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 893-906.	3.0	27
27	Active contraction of cardiac muscle: In vivo characterization of mechanical activation sequences in the beating heart. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 1167-1176.	3.1	24
28	Five-dimensional MRI incorporating simultaneous resolution of cardiac and respiratory phases for volumetric imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 113-121.	3.4	23
29	Anterior mitral leaflet curvature in the beating ovine heart: a case study using videofluoroscopic markers and subdivision surfaces. <i>Biomechanics and Modeling in Mechanobiology</i> , 2010, 9, 281-293.	2.8	23
30	Effects of different annuloplasty ring types on mitral leaflet tenting area during acute myocardial ischemia. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 141, 345-353.	0.8	21
31	Tirone David procedure for bicuspid aortic valve disease: impact of root geometry and valve type on mid-term outcomes. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 19, 375-381.	1.1	21
32	4D Flow MRI quantification of blood flow patterns, turbulence and pressure drop in normal and stenotic prosthetic heart valves. <i>Magnetic Resonance Imaging</i> , 2019, 55, 118-127.	1.8	16
33	Radiofrequency ablation of a liver metastasis complicated by extensive liver necrosis and sepsis caused by gas gangrene. <i>Surgery</i> , 2006, 139, 123-125.	1.9	14
34	Multiple mitral leaflet contractile systems in the beating heart. <i>Journal of Biomechanics</i> , 2011, 44, 1328-1333.	2.1	14
35	Recurrence of myxoma in the left ventricle with concurrent cerebral fusiform aneurysms after previous atrial myxoma surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 135, 1172-1173.	0.8	13
36	Electromechanical coupling between the atria and mitral valve. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1267-H1273.	3.2	12

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37	Changes in serum cystatin C, creatinine, and C-reactive protein after cardiopulmonary bypass in patients with normal preoperative kidney function. <i>Nephrology</i> , 2016, 21, 519-525.	1.6	12
38	Improved estimation and visualization of two-dimensional myocardial strain rate using MR velocity mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 604-611.	3.4	9
39	Comparison of serum cystatin C and creatinine changes after cardiopulmonary bypass in patients with normal preoperative kidney function. <i>International Urology and Nephrology</i> , 2013, 45, 1597-1603.	1.4	9
40	SNF472, a novel anti-crystallization agent, inhibits induced calcification in an in vitro model of human aortic valve calcification. <i>Vascular Pharmacology</i> , 2019, 122-123, 106583.	2.1	8
41	Do annuloplasty rings designed to treat ischemic/functional mitral regurgitation alter left-ventricular dimensions in the acutely ischemic ovine heart?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 1058-1068.	0.8	8
42	Models and Techniques to Study Aortic Valve Calcification in Vitro, ex Vivo and in Vivo. An Overview. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	6
43	Protamine stimulates platelet aggregation <i>in vitro</i> with activation of the fibrinogen receptor and alpha-granule release, but impairs secondary activation via ADP and thrombin receptors. <i>Platelets</i> , 2021, 32, 90-96.	2.3	5
44	Vagal nerve stimulation reduces anterior mitral valve leaflet stiffness in the beating ovine heart. <i>Journal of Biomechanics</i> , 2012, 45, 2007-2013.	2.1	4
45	<i>k</i> <sup>2</sup> BLAST: Exploiting spatiotemporal structure in simultaneously cardiac and respiratory time-resolved volumetric imaging. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 922-930.	3.0	3
46	A phytobezoar in the acute abdomen. <i>American Journal of Surgery</i> , 2009, 197, e21-e22.	1.8	3
47	Selective and marked decrease of complement receptor C5aR2 in human thoracic aortic aneurysms: a dysregulation with potential inflammatory effects. <i>Open Heart</i> , 2019, 6, e001098.	2.3	3
48	Validation of a Holographic Display for Quantification of Mitral Annular Dynamics by Three-Dimensional Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 303-316.e4.	2.8	3
49	Total aortic arch replacement using the thoraflex hybrid prosthesis: early- and medium-term results from a Scandinavian center. <i>Scandinavian Cardiovascular Journal</i> , 2021, 55, 308-314.	1.2	3
50	Analysis of human myocardial dynamics using virtual markers based on magnetic resonance imaging. <i>Clinical Physiology and Functional Imaging</i> , 2010, 30, 23-29.	1.2	2
51	Surgical management of outflow tract obstruction after transapical mitral valve implantation. <i>Journal of Cardiac Surgery</i> , 2018, 33, 545-547.	0.7	2
52	Resection of a plasma cell granuloma combining a conventional posterolateral left-sided thoracotomy with a minimally invasive valve approach. <i>General Thoracic and Cardiovascular Surgery</i> , 2019, 67, 894-896.	0.9	2
53	Inhibition of Constitutive Nitric Oxide Synthase Does Not Influence Ventilation-Perfusion Matching in Normal Prone Adult Sheep With Mechanical Ventilation. <i>Anesthesia and Analgesia</i> , 2016, 123, 1492-1499.	2.2	1
54	Karl Viktor Hall: From In Situ Vein Bypass to the Tilting Disc Heart Valve Prosthesis. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1756-1761.	1.3	1

#	ARTICLE	IF	CITATIONS
55	Lung autotransplantation and extra-anatomic bypass to treat an aortobronchial fistula after previous surgery for aortic coarctation. <i>Journal of Cardiac Surgery</i> , 2021, 36, 2924-2927.	0.7	1
56	Early results after aortic annuloplasty with a complete external Dacron band. <i>General Thoracic and Cardiovascular Surgery</i> , 2022, 70, 329-336.	0.9	1
57	Quantification of platelet function - a comparative study of venous and arterial blood using a novel flow cytometry protocol. <i>Platelets</i> , 2022, , 1-9.	2.3	1
58	Thrombus formation in the noncoronary sinus of Valsalva following primary graft dysfunction. <i>Journal of Cardiac Surgery</i> , 2022, , .	0.7	1
59	Improving Temporal Fidelity in k-t BLAST MRI Reconstruction. , 2007, 10, 385-392.		0
60	Bjarne K. H. Semb: The contriver of the first implantation of a total artificial heart in Europe. <i>Artificial Organs</i> , 2022, , .	1.9	0