

Beat Andreas Kaufmann

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

7,823
citations

218677

26
h-index

82547

72
g-index

77
all docs

77
docs citations

77
times ranked

10295
citing authors

#	ARTICLE	IF	CITATIONS
1	2017 ESC/EACTS Guidelines for the management of valvular heart disease. <i>European Heart Journal</i> , 2017, 38, 2739-2791.	2.2	5,142
2	Molecular Imaging of Inflammation in Atherosclerosis With Targeted Ultrasound Detection of Vascular Cell Adhesion Molecule-1. <i>Circulation</i> , 2007, 116, 276-284.	1.6	362
3	Molecular imaging with targeted contrast ultrasound. <i>Current Opinion in Biotechnology</i> , 2007, 18, 11-16.	6.6	191
4	Molecular Imaging of the Initial Inflammatory Response in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 54-59.	2.4	165
5	Detection of recent myocardial ischaemia by molecular imaging of P-selectin with targeted contrast echocardiography. <i>European Heart Journal</i> , 2007, 28, 2011-2017.	2.2	135
6	Predictors for efficacy of percutaneous mitral valve repair using the MitraClip system: the results of the MitraSwiss registry. <i>Heart</i> , 2013, 99, 1034-1040.	2.9	126
7	Contrast Echocardiography. <i>Current Problems in Cardiology</i> , 2007, 32, 51-96.	2.4	115
8	Molecular Imaging of Endothelial Vascular Cell Adhesion Molecule-1 Expression and Inflammatory Cell Recruitment During Vasculogenesis and Ischemia-Mediated Arteriogenesis. <i>Circulation</i> , 2008, 117, 2902-2911.	1.6	113
9	Heart failure with mid-range ejection fraction: a distinct clinical entity? Insights from the Trial of Intensified versus standard Medical therapy in Elderly patients with Congestive Heart Failure (<sc>TIMEâ€œCHF</sc>). <i>European Journal of Heart Failure</i> , 2017, 19, 1586-1596.	7.1	108
10	Targeting compensatory MEK/ERK activation increases JAK inhibitor efficacy in myeloproliferative neoplasms. <i>Journal of Clinical Investigation</i> , 2019, 129, 1596-1611.	8.2	84
11	Molecular Imaging of Inflammation and Platelet Adhesion in Advanced Atherosclerosis Effects of Antioxidant Therapy With NADPH Oxidase Inhibition. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 74-82.	2.6	77
12	Ultrasound Imaging for Risk Assessment in Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9749-9769.	4.1	60
13	Detection of Antecedent Myocardial Ischemia With Multiselectin Molecular Imaging. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1690-1697.	2.8	56
14	Cardiovascular and Systemic Microvascular Effects of Anti-Vascular Endothelial Growth Factor Therapy for Cancer. <i>Journal of the American College of Cardiology</i> , 2012, 60, 618-625.	2.8	48
15	Cardiac mTOR complex 2 preserves ventricular function in pressure-overload hypertrophy. <i>Cardiovascular Research</i> , 2016, 109, 103-114.	3.8	47
16	Ultrasound Molecular Imaging of Atherosclerosis With Nanobodies. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2520-2530.	2.4	42
17	Functional assessment of the left atrium by real-time three-dimensional echocardiography using a novel dedicated analysis tool: initial validation studies in comparison with computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2011, 12, 497-505.	1.2	41
18	Velocity ratio predicts outcomes in patients with low gradient severe aortic stenosis and preserved EF. <i>Heart</i> , 2014, 100, 1946-1953.	2.9	41

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19	Left atrial dimension and cardiovascular outcomes in patients with and without atrial fibrillation: a systematic review and meta-analysis. <i>Heart</i> , 2019, 105, 1884-1891.	2.9	40
20	Head-to-Head Comparison of Two-Dimensional and Three-Dimensional Echocardiographic Methods for Left Atrial Chamber Quantification with Magnetic Resonance Imaging. <i>Journal of the American Society of Echocardiography</i> , 2013, 26, 428-435.	2.8	39
21	Cardiovascular Management of Cancer Patients With Chemotherapy-Associated Left Ventricular Systolic Dysfunction in Real-World Clinical Practice. <i>Journal of Cardiac Failure</i> , 2013, 19, 629-634.	1.7	39
22	Molecular Imaging Reveals Rapid Reduction of Endothelial Activation in Early Atherosclerosis With Apocynin Independent of Antioxidative Properties. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2187-2192.	2.4	37
23	Noninvasive Ultrasound Molecular Imaging of the Effect of Statins on Endothelial Inflammatory Phenotype in Early Atherosclerosis. <i>PLoS ONE</i> , 2013, 8, e58761.	2.5	35
24	Ultrasound molecular imaging of atherosclerosis. <i>Cardiovascular Research</i> , 2009, 83, 617-625.	3.8	31
25	Prevalence of Acute Mountain Sickness at 3500m Within and Between Families: A Prospective Cohort Study. <i>High Altitude Medicine and Biology</i> , 2014, 15, 28-38.	0.9	31
26	Seeing the Invisible—Ultrasound Molecular Imaging. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 479-497.	1.5	31
27	How reliable are left ventricular ejection fraction cut offs assessed by echocardiography for clinical decision making in patients with heart failure?. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 581-588.	1.5	28
28	FLT3 Activation Improves Post-Myocardial Infarction Remodeling Involving a Cytoprotective Effect on Cardiomyocytes. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1011-1019.	2.8	28
29	Effects of Sinus Rhythm Maintenance on Left Heart Function After Electrical Cardioversion of Atrial Fibrillation: Implications for Tachycardia-Induced Cardiomyopathy. <i>Canadian Journal of Cardiology</i> , 2015, 31, 36-43.	1.7	28
30	High-resolution Myocardial Perfusion Imaging in Mice with High-frequency Echocardiographic Detection of a Depot Contrast Agent. <i>Journal of the American Society of Echocardiography</i> , 2007, 20, 136-143.	2.8	27
31	Von Willebrand Factor Interacts with Surface-Bound C1q and Induces Platelet Rolling. <i>Journal of Immunology</i> , 2016, 197, 3669-3679.	0.8	25
32	Prognostic power of NT-proBNP in left ventricular non-compaction cardiomyopathy. <i>International Journal of Cardiology</i> , 2017, 236, 321-327.	1.7	24
33	Coronary stent infection: a rare but severe complication of percutaneous coronary intervention. <i>Swiss Medical Weekly</i> , 2005, 135, 483-7.	1.6	23
34	Assessment of Ischemia-Induced Microvascular Remodeling Using Contrast-Enhanced Ultrasound Vascular Anatomic Mapping. <i>Journal of the American Society of Echocardiography</i> , 2007, 20, 1100-1108.	2.8	20
35	Non-invasive nuclear myocardial perfusion imaging improves the diagnostic yield of invasive coronary angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 842-847.	1.2	20
36	Diastolic Stress Echocardiography in the Young: A Study in Nonathletic and Endurance-Trained Healthy Subjects. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1053-1059.	2.8	19

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37	Propionibacterium acnes prosthetic valve endocarditis with abscess formation: a case report. BMC Infectious Diseases, 2014, 14, 105.	2.9	19
38	Noninvasive Contrast-Enhanced Ultrasound Molecular Imaging Detects Myocardial Inflammatory Response in Autoimmune Myocarditis. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	19
39	Adjusting parameters of aortic valve stenosis severity by body size. Heart, 2014, 100, 1024-1030.	2.9	18
40	Comparison of Benefit of Successful Percutaneous Coronary Intervention for Chronic Total Occlusion in Patients With Versus Without Reduced ($\geq 40\%$) Left Ventricular Ejection Fraction. American Journal of Cardiology, 2017, 120, 1780-1786.	1.6	18
41	Fluoroscopy-Free Pulmonary Vein Isolation in Patients with Atrial Fibrillation and a Patent Foramen Ovale Using Solely an Electroanatomic Mapping System. PLoS ONE, 2016, 11, e0148059.	2.5	16
42	Effect of Acoustic Power on In Vivo Molecular Imaging with Targeted Microbubbles: Implications for Low-Mechanical Index Real-Time Imaging. Journal of the American Society of Echocardiography, 2010, 23, 79-85.	2.8	15
43	Closure of Apical Access Site After Transapical, Transcatheter Paravalvular Leak Closure. Canadian Journal of Cardiology, 2012, 28, 516.e5-516.e7.	1.7	15
44	Prognostic Significance of Longitudinal Clinical Congestion Pattern in Chronic Heart Failure: Insights From TIME-CHF Trial. American Journal of Medicine, 2019, 132, e679-e692.	1.5	15
45	Assessment of left atrial functional parameters using a novel dedicated analysis tool for real-time three-dimensional echocardiography: validation in comparison to magnetic resonance imaging. International Journal of Cardiovascular Imaging, 2013, 29, 601-608.	1.5	14
46	Interferon- β -Driven iNOS: A Molecular Pathway to Terminal Shock in Arenavirus Hemorrhagic Fever. Cell Host and Microbe, 2017, 22, 354-365.e5.	11.0	14
47	Right ventricle and outcome in left ventricular non-compaction cardiomyopathy. Journal of Cardiology, 2020, 75, 20-26.	1.9	14
48	Scaffold Composition Determines the Angiogenic Outcome of Cell-Based Vascular Endothelial Growth Factor Expression by Modulating Its Microenvironmental Distribution. Advanced Healthcare Materials, 2017, 6, 1700600.	7.6	12
49	Conventional versus β Echocardiography to Predict Arrhythmia Recurrence After Atrial Fibrillation Ablation. Journal of Cardiovascular Electrophysiology, 2017, 28, 651-658.	1.7	11
50	Is the clinical presentation of chronic heart failure different in elderly versus younger patients and those with preserved versus reduced ejection fraction?. European Journal of Internal Medicine, 2018, 57, 61-69.	2.2	11
51	Whole Blood Gene Expression Differentiates between Atrial Fibrillation and Sinus Rhythm after Cardioversion. PLoS ONE, 2016, 11, e0157550.	2.5	11
52	Interaction Between Pulmonary Hypertension and Diastolic Dysfunction in an Elderly Heart Failure Population. Journal of Cardiac Failure, 2014, 20, 98-104.	1.7	10
53	NOX1 mediates metabolic heart disease in mice and is upregulated in monocytes of humans with diastolic dysfunction. Cardiovascular Research, 2022, 118, 2973-2984.	3.8	10
54	Improvement in left ventricular ejection fraction and reverse remodeling in elderly heart failure patients on intense NT-proBNP-guided therapy. International Journal of Cardiology, 2015, 191, 286-293.	1.7	9

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55	A molecular intravascular ultrasound contrast agent allows detection of activated platelets on the surface of symptomatic human plaques. <i>Atherosclerosis</i> , 2017, 267, 68-77.	0.8	9
56	Prevalence and Management of Atrial Thrombi in Patients With Atrial Fibrillation Before Pulmonary Vein Isolation. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 1406-1414.	3.2	9
57	Biomarkers associated with rhythm status after cardioversion in patients with atrial fibrillation. <i>Scientific Reports</i> , 2022, 12, 1680.	3.3	9
58	Altered Left Ventricular Geometry and Torsional Mechanics in High Altitude-Induced Pulmonary Hypertension: A Three-Dimensional Echocardiographic Study. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 314-322.	2.8	8
59	Factors Affecting the Endothelial Retention of Targeted Microbubbles: Influence of Microbubble Shell Design and Cell Surface Projection of the Endothelial Target Molecule. <i>Journal of the American Society of Echocardiography</i> , 2012, 25, 460-466.	2.8	7
60	Effect of COVID-19 on acute treatment of ST-segment elevation and Non-ST-segment elevation acute coronary syndrome in northwestern Switzerland. <i>IJC Heart and Vasculature</i> , 2021, 32, 100686.	1.1	7
61	Differential clubbing and cyanosis: a pathognomonic finding in cardiology. <i>European Heart Journal</i> , 2014, 35, 1410-1410.	2.2	6
62	Transapical Transcatheter Aortic Valve Implantation Using the JenaValve: A One-Year Follow-up. <i>Thoracic and Cardiovascular Surgeon</i> , 2015, 63, 493-500.	1.0	6
63	Non-invasive contrast enhanced ultrasound molecular imaging of inflammation in autoimmune myocarditis for prediction of left ventricular fibrosis and remodeling. <i>PLoS ONE</i> , 2019, 14, e0224377.	2.5	6
64	Isolated double-orifice mitral valve: a case report. <i>BMC Cardiovascular Disorders</i> , 2015, 15, 172.	1.7	5
65	Determinants of Left Atrial Volume in Patients with Atrial Fibrillation. <i>PLoS ONE</i> , 2016, 11, e0164145.	2.5	5
66	Intensification of pharmacological decongestion but not the actual daily loop diuretic dose predicts worse chronic heart failure outcome: insights from TIME-CHF. <i>Clinical Research in Cardiology</i> , 2021, 110, 1221-1233.	3.3	5
67	Ultrasound Molecular Imaging of Cardiovascular Disease. <i>Current Cardiovascular Imaging Reports</i> , 2010, 3, 18-25.	0.6	3
68	Change in Atrial Fibrillation Burden over Time in Patients with Nonpermanent Atrial Fibrillation. <i>Cardiology Research and Practice</i> , 2020, 2020, 1-7.	1.1	3
69	P2Y12 Inhibition in Murine Myocarditis Results in Reduced Platelet Infiltration and Preserved Ejection Fraction. <i>Cells</i> , 2021, 10, 3414.	4.1	3
70	Endocarditis due to a stealthy bug. <i>International Journal of Cardiology</i> , 2012, 160, e54-e55.	1.7	1
71	Use of a Protective Shield Successfully Prevents Exposure to Aerosols and Droplets during Transesophageal Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 908-909.	2.8	1
72	Designed Ankyrin Repeat Proteins as Novel Binders for Ultrasound Molecular Imaging. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2664-2675.	1.5	1

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73	Authorsâ€™ Reply. Journal of the American Society of Echocardiography, 2015, 28, 377.	2.8	0
74	Cardiovascular imaging following perioperative myocardial infarction/injury. Scientific Reports, 2022, 12, 4447.	3.3	0