

Luciano Agati

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100
papers

3,291
citations

29
h-index

55
g-index

105
ext. papers

3,726
ext. citations

4.1
avg, IF

4.41
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 100 | Thrombus aspiration during primary percutaneous coronary intervention improves myocardial reperfusion and reduces infarct size: the EXPIRA (thrombectomy with export catheter in infarct-related artery during primary percutaneous coronary intervention) prospective, randomized trial. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 309-15 | 15.1 | 287 |
| 99 | Contrast echocardiography: evidence-based recommendations by European Association of Echocardiography. <i>European Journal of Echocardiography</i> , 2009 , 10, 194-212 | | 233 |
| 98 | Impact of primary coronary angioplasty delay on myocardial salvage, infarct size, and microvascular damage in patients with ST-segment elevation myocardial infarction: insight from cardiovascular magnetic resonance. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 2145-53 | 15.1 | 222 |
| 97 | The extent of microvascular damage during myocardial contrast echocardiography is superior to other known indexes of post-infarct reperfusion in predicting left ventricular remodeling: results of the multicenter AMICI study. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 552-9 | 15.1 | 167 |
| 96 | Safety of intravenous high-dose dipyridamole echocardiography. The Echo-Persantine International Cooperative Study Group. <i>American Journal of Cardiology</i> , 1992 , 70, 252-8 | 3 | 139 |
| 95 | Stress echocardiography: comparison of exercise, dipyridamole and dobutamine in detecting and predicting the extent of coronary artery disease. <i>Journal of the American College of Cardiology</i> , 1995 , 26, 18-25 | 15.1 | 133 |
| 94 | Clinical practice of contrast echocardiography: recommendation by the European Association of Cardiovascular Imaging (EACVI) 2017. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 1205-1205af | 4.1 | 108 |
| 93 | Relationship between location and size of myocardial infarction and their reciprocal influences on post-infarction left ventricular remodelling. <i>European Heart Journal</i> , 2011 , 32, 1640-8 | 9.5 | 91 |
| 92 | Incidence, determinants, and prognostic value of reverse left ventricular remodelling after primary percutaneous coronary intervention: results of the Acute Myocardial Infarction Contrast Imaging (AMICI) multicenter study. <i>European Heart Journal</i> , 2009 , 30, 566-75 | 9.5 | 89 |
| 91 | Influence of residual perfusion within the infarct zone on the natural history of left ventricular dysfunction after acute myocardial infarction: a myocardial contrast echocardiographic study. <i>Journal of the American College of Cardiology</i> , 1994 , 24, 336-42 | 15.1 | 88 |
| 90 | The microenvironment can shift erythrocytes from a friendly to a harmful behavior: pathogenetic implications for vascular diseases. <i>Cardiovascular Research</i> , 2007 , 75, 21-8 | 9.9 | 83 |
| 89 | Comparison of sulfur hexafluoride microbubble (SonoVue)-enhanced myocardial contrast echocardiography with gated single-photon emission computed tomography for detection of significant coronary artery disease: a large European multicenter study. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1353-51 | 15.1 | 80 |
| 88 | Impact of active smoking on myocardial infarction severity in reperfused ST-segment elevation myocardial infarction patients. The smoker's paradox revisited by CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, Q62 | 6.9 | 78 |
| 87 | Right ventricular ischemic injury in patients with acute ST-segment elevation myocardial infarction: characterization with cardiovascular magnetic resonance. <i>Circulation</i> , 2010 , 122, 1405-12 | 16.7 | 76 |
| 86 | Combined use of dobutamine echocardiography and myocardial contrast echocardiography in predicting regional dysfunction recovery after coronary revascularization in patients with recent myocardial infarction. <i>European Heart Journal</i> , 1997 , 18, 771-9 | 9.5 | 67 |
| 85 | Erythropoietin in heart and vessels: focus on transcription and signalling pathways. <i>Journal of Thrombosis and Thrombolysis</i> , 2008 , 26, 183-7 | 5.1 | 64 |
| 84 | Detection of coronary artery disease with perfusion stress echocardiography using a novel ultrasound imaging agent: two Phase 3 international trials in comparison with radionuclide perfusion imaging. <i>European Journal of Echocardiography</i> , 2009 , 10, 26-35 | | 56 |

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| 83 | Enhanced left ventricular endocardial border delineation with an intravenous injection of SonoVue, a new echocardiographic contrast agent: A European multicenter study. <i>Echocardiography</i> , 2000 , 17, 705-11 | 1.5 | 55 |
| 82 | Transesophageal dipyridamole echocardiography for diagnosis of coronary artery disease. <i>Journal of the American College of Cardiology</i> , 1992 , 19, 765-70 | 15.1 | 55 |
| 81 | Quantitative analysis of intraventricular blood flow dynamics by echocardiographic particle image velocimetry in patients with acute myocardial infarction at different stages of left ventricular dysfunction. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 1203-12 | 4.1 | 51 |
| 80 | Long-Term Incremental Prognostic Value of Cardiovascular Magnetic Resonance After ST-Segment Elevation Myocardial Infarction: A Study of the Collaborative Registry on CMR in STEMI. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 813-825 | 8.4 | 47 |
| 79 | Impact of thrombectomy with EXPort Catheter in Infarct-Related Artery during Primary Percutaneous Coronary Intervention (EXPIRA Trial) on cardiac death. <i>American Journal of Cardiology</i> , 2010 , 106, 624-9 | 3 | 45 |
| 78 | In vivo analysis of intraventricular fluid dynamics in healthy hearts. <i>European Journal of Mechanics, B/Fluids</i> , 2012 , 35, 40-46 | 2.4 | 44 |
| 77 | Impact of active smoking on myocardial infarction severity in reperfused ST-segment elevation myocardial infarction patients: the smoker's paradox revisited. <i>European Heart Journal</i> , 2016 , 37, 2756-2764 | 9.5 | 42 |
| 76 | Assessment of severity of coronary narrowings by quantitative exercise echocardiography and comparison with quantitative arteriography. <i>American Journal of Cardiology</i> , 1991 , 67, 1201-7 | 3 | 38 |
| 75 | Altered glucose homeostasis is associated with increased serum apelin levels in type 2 diabetes mellitus. <i>PLoS ONE</i> , 2012 , 7, e51236 | 3.7 | 37 |
| 74 | Serum levels of asymmetric dimethylarginine and apelin as potential markers of vascular endothelial dysfunction in early rheumatoid arthritis. <i>Mediators of Inflammation</i> , 2012 , 2012, 347268 | 4.3 | 33 |
| 73 | Impact of gender differences on myocardial salvage and post-ischaemic left ventricular remodelling after primary coronary angioplasty: new insights from cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2012 , 13, 948-53 | 4.1 | 32 |
| 72 | Tissue-type plasminogen activator therapy versus primary coronary angioplasty: impact on myocardial tissue perfusion and regional function 1 month after uncomplicated myocardial infarction. <i>Journal of the American College of Cardiology</i> , 1998 , 31, 338-43 | 15.1 | 32 |
| 71 | Three-dimensional echocardiographic characterization of patients with left ventricular noncompaction. <i>Journal of the American Society of Echocardiography</i> , 2012 , 25, 203-9 | 5.8 | 28 |
| 70 | Severe oligozoospermia in a young man with chronic myeloid leukemia on long-term treatment with imatinib started before puberty. <i>Fertility and Sterility</i> , 2011 , 95, 1120.e15-7 | 4.8 | 28 |
| 69 | Usefulness of the dipyridamole-Doppler test for diagnosis of coronary artery disease. <i>American Journal of Cardiology</i> , 1990 , 65, 829-34 | 3 | 28 |
| 68 | Microvascular integrity after reperfusion therapy. <i>American Heart Journal</i> , 1999 , 138, S76-8 | 4.9 | 27 |
| 67 | Identification of viable myocardium in patients with chronic coronary artery disease and left ventricular dysfunction: role of magnetic resonance imaging. <i>American Heart Journal</i> , 1994 , 128, 484-9 | 4.9 | 26 |
| 66 | Chronic cerebrospinal venous insufficiency in patients with MBI disease. <i>European Archives of Oto-Rhino-Laryngology</i> , 2015 , 272, 77-82 | 3.5 | 25 |

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| 65 | Update on phase II studies of erythropoietin in acute myocardial infarction. Rationale and design of Exogenous erythroPoietin in Acute Myocardial Infarction: New Outlook aNd Dose Association Study (EPAMINONDAS). <i>Journal of Thrombosis and Thrombolysis</i> , 2009 , 28, 489-95 | 5.1 | 23 |
| 64 | Clinical and prognostic usefulness of supine bicycle exercise echocardiography in the functional evaluation of patients undergoing elective percutaneous transluminal coronary angioplasty. <i>Circulation</i> , 1997 , 95, 1176-84 | 16.7 | 23 |
| 63 | Correlation between coronary artery disease severity, left ventricular mass index and carotid intima media thickness, assessed by radio-frequency. <i>Cardiovascular Ultrasound</i> , 2011 , 9, 32 | 2.4 | 22 |
| 62 | Assessment of no-reflow phenomenon after acute myocardial infarction with harmonic angiography and intravenous pump infusion with Levovist: comparison with intracoronary contrast injection. <i>Journal of the American Society of Echocardiography</i> , 2001 , 14, 773-81 | 5.8 | 22 |
| 61 | Myocardial contrast enhancement after intravenous injection of sonicated albumin microbubbles: a transesophageal echocardiography dipyridamole study. <i>Journal of the American Society of Echocardiography</i> , 1994 , 7, 337-46 | 5.8 | 21 |
| 60 | Determinants of microvascular damage recovery after acute myocardial infarction: results from the acute myocardial infarction contrast imaging (AMICI) multi-centre study. <i>European Journal of Echocardiography</i> , 2011 , 12, 306-12 | | 19 |
| 59 | Role of echocardiography in acute chest pain syndrome. <i>American Journal of Cardiology</i> , 2000 , 86, 41G-43G | | 19 |
| 58 | Influence of reperfusion induced by thrombolytic treatment on natural history of left ventricular regional wall motion abnormality in acute myocardial infarction. <i>American Journal of Cardiology</i> , 1993 , 71, 1015-20 | 3 | 18 |
| 57 | Decrease of asymmetric dimethyl arginine after anti-TNF therapy in patients with rheumatoid arthritis. <i>Drug Development Research</i> , 2014 , 75 Suppl 1, S67-9 | 5.1 | 17 |
| 56 | Microvascular obstruction extent predicts major adverse cardiovascular events in patients with acute myocardial infarction and preserved ejection fraction. <i>European Radiology</i> , 2019 , 29, 2369-2377 | 8 | 17 |
| 55 | Comparison of immediate vs early invasive strategy in patients with first acute non-ST-elevation myocardial infarction. <i>Clinical Cardiology</i> , 2010 , 33, 650-655 | 3.3 | 16 |
| 54 | Dipyridamole myocardial contrast echocardiography in patients with single-vessel coronary artery disease: perfusion, anatomic, and functional correlates. <i>American Heart Journal</i> , 1994 , 128, 28-35 | 4.9 | 16 |
| 53 | Prodromal angina is associated with myocardial salvage in acute ST-segment elevation myocardial infarction. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 1041-8 | 4.1 | 15 |
| 52 | The complex relation between myocardial viability and functional recovery in chronic left ventricular dysfunction. <i>American Journal of Cardiology</i> , 1998 , 81, 33G-35G | 3 | 15 |
| 51 | Mid-term efficacy of beraprost, an oral prostacyclin analog, in the treatment of distal CTEPH: a case control study. <i>Cardiology</i> , 2006 , 106, 168-73 | 1.6 | 15 |
| 50 | Detection of residual tissue viability within the infarct zone in patients with acute myocardial infarction: ultrasonic integrated backscatter analysis versus dobutamine stress echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2000 , 13, 358-67 | 5.8 | 15 |
| 49 | The red blood cell as a gender-associated biomarker in metabolic syndrome: a pilot study. <i>International Journal of Cell Biology</i> , 2011 , 2011, 204157 | 2.6 | 14 |
| 48 | Quantification methods in contrast echocardiography. <i>European Journal of Echocardiography</i> , 2005 , 6 Suppl 2, S14-20 | | 14 |

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| 47 | Contrast-Enhanced Ultrasound Imaging in Detection of Changes in Cerebral Perfusion. <i>Ultrasound in Medicine and Biology</i> , 2016 , 42, 2708-2716 | 3.5 | 14 |
| 46 | Significant increase of flow kinetic energy in "nonresponders" patients to cardiac resynchronization therapy. <i>Echocardiography</i> , 2017 , 34, 709-715 | 1.5 | 12 |
| 45 | 3D echocardiographic delineation of mitral-aortic intervalular fibrosa pseudoaneurysm caused by bicuspid aortic valve endocarditis. <i>Echocardiography</i> , 2011 , 28, E1-4 | 1.5 | 12 |
| 44 | Clinical application of quantitative analysis in real-time MCE. <i>European Journal of Echocardiography</i> , 2004 , 5 Suppl 2, S17-23 | | 12 |
| 43 | Early or deferred cardiovascular magnetic resonance after ST-segment-elevation myocardial infarction for effective risk stratification. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 632-639 | 4.1 | 12 |
| 42 | Comprehensive Assessment of Mitral Valve Geometry and Cardiac Remodeling With 3-Dimensional Echocardiography After Percutaneous Mitral Valve Repair. <i>American Journal of Cardiology</i> , 2018 , 122, 1195-1203 | 3 | 11 |
| 41 | P-Selectin as a new gender associated biomarker in patients with metabolic syndrome. <i>International Journal of Cardiology</i> , 2010 , 145, 570-1 | 3.2 | 11 |
| 40 | Does coronary angioplasty after timely thrombolysis improve microvascular perfusion and left ventricular function after acute myocardial infarction?. <i>American Heart Journal</i> , 2007 , 154, 151-7 | 4.9 | 11 |
| 39 | 2D/3D echocardiographic determinants of left ventricular reverse remodelling after MitraClip implantation. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 558-564 | 4.1 | 11 |
| 38 | Ultra low-dose of gadobenate dimeglumine for late gadolinium enhancement (LGE) imaging in acute myocardial infarction: a feasibility study. <i>European Journal of Radiology</i> , 2014 , 83, 2151-2158 | 4.7 | 9 |
| 37 | A multicenter randomized study to evaluate intracoronary abciximab with the ClearWay catheter to improve outcomes with Lysis (IC ClearLy): trial study design and rationale. <i>Journal of Cardiovascular Medicine</i> , 2010 , 11, 529-35 | 1.9 | 9 |
| 36 | Harmonic Imaging with Levovist for Transthoracic Echocardiographic Reconstruction of Left Ventricle in Patients with Post-Ischemic Left Ventricular Dysfunction and Suboptimal Acoustic Windows. <i>Journal of the American Society of Echocardiography</i> , 2000 , 13, 139-145 | 5.8 | 9 |
| 35 | Echocardiography and Correction of Mitral Regurgitation: An Unbreakable Link. <i>Cardiology</i> , 2020 , 145, 110-120 | 1.6 | 9 |
| 34 | Pathophysiology of dynamic left ventricular outflow tract obstruction in a critically ill patient. <i>Echocardiography</i> , 2010 , 27, E122-4 | 1.5 | 8 |
| 33 | Direct oral anticoagulants use in elderly patients with non valvular atrial fibrillation: state of evidence. <i>Minerva Cardiology and Angiology</i> , 2018 , 66, 301-313 | 2.4 | 8 |
| 32 | Pulmonary transit of echocontrast agents during mechanical ventilation: a clinical transthoracic echocardiographic study. <i>Echocardiography</i> , 2005 , 22, 395-401 | 1.5 | 7 |
| 31 | Left ventricular filling pattern in hypertensive patients after reversal of myocardial hypertrophy. <i>International Journal of Cardiology</i> , 1987 , 17, 177-85 | 3.2 | 7 |
| 30 | Impact of Heart Rate on Myocardial Salvage in Timely Reperfused Patients with ST-Segment Elevation Myocardial Infarction: New Insights from Cardiovascular Magnetic Resonance. <i>PLoS ONE</i> , 2015 , 10, e0145495 | 3.7 | 6 |

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| 29 | Painless versus painful myocardial ischemia: different left ventricular dysfunction detected by echocardiography. <i>International Journal of Cardiology</i> , 1989 , 22, 321-7 | 3.2 | 6 |
| 28 | Mediterranean diet adherence and synergy with acute myocardial infarction and its determinants: A multicenter case-control study in Italy. <i>PLoS ONE</i> , 2018 , 13, e0193360 | 3.7 | 6 |
| 27 | Changes in Intraventricular Flow Patterns after MitraClip Implant in Patients with Functional Severe Mitral Regurgitation. <i>Journal of the American Society of Echocardiography</i> , 2019 , 32, 1250-1253.e1 | 5.8 | 5 |
| 26 | Role of the central endogenous opiate system in patients with syndrome X. <i>American Heart Journal</i> , 1998 , 136, 1003-9 | 4.9 | 5 |
| 25 | Noninvasive assessment of myocardial perfusion: preliminary results in patients with acute myocardial infarction. <i>American Journal of Cardiology</i> , 2000 , 86, 28G-29G | 3 | 4 |
| 24 | Endogenous opioid system modulation in anginal pain: demonstration of its central activity. <i>American Heart Journal</i> , 1992 , 124, 589-95 | 4.9 | 4 |
| 23 | Myocardial Salvage Imaging: Where Are We and Where Are We Heading? A Cardiac Magnetic Resonance Perspective. <i>Current Cardiovascular Imaging Reports</i> , 2018 , 11, 1 | 0.7 | 3 |
| 22 | Utility of cardiac magnetic resonance (CMR) in the evaluation of right ventricular (RV) involvement in patients with myocardial infarction (MI). <i>Radiologia Medica</i> , 2014 , 119, 309-17 | 6.5 | 3 |
| 21 | Impact of intraventricular haemodynamic forces misalignment on left ventricular remodelling after myocardial infarction.. <i>ESC Heart Failure</i> , 2021 , | 3.7 | 3 |
| 20 | 2D/3D Echocardiographic features of patients with reverse remodeling after cardiac resynchronization therapy. <i>Echocardiography</i> , 2019 , 36, 1475-1481 | 1.5 | 2 |
| 19 | Assessment of myocardial viability in patients with postischemic left ventricular dysfunction: role of myocardial contrast echocardiography. <i>Echocardiography</i> , 2003 , 20 Suppl 1, S19-29 | 1.5 | 2 |
| 18 | The evolving role of echocardiography in the assessment of patent foramen ovale in patients with left-side thromboembolism. <i>Echocardiography</i> , 2021 , 38, 657-675 | 1.5 | 2 |
| 17 | Mid-term repair durability after MitraClip implantation in patients with functional mitral regurgitation. <i>Journal of Cardiovascular Medicine</i> , 2019 , 20, 701-708 | 1.9 | 2 |
| 16 | Clinical characteristics and outcomes of Yemeni patients with acute heart failure aged 50years or younger: Data from Gulf Acute Heart Failure Registry (Gulf CARE). <i>International Journal of Cardiology</i> , 2017 , 229, 91-95 | 3.2 | 1 |
| 15 | Reperfusion therapy for ST elevation acute myocardial infarction in Yemen: Description of the current situation: Data from Gulf Registry of Acute Coronary Events (the Gulf RACE-I). <i>International Journal of Cardiology</i> , 2015 , 187, 128-9 | 3.2 | 1 |
| 14 | An exploratory cross-sectional study of subclinical vascular damage in patients with polymyalgia rheumatica. <i>Scientific Reports</i> , 2020 , 10, 11407 | 4.9 | 1 |
| 13 | In the Eye of the Storm: Echocardiographic Particle Image Velocimetry Analysis in a Patient with Takotsubo Syndrome. <i>Echocardiography</i> , 2020 , 37, 1312-1314 | 1.5 | 1 |
| 12 | Acute heart failure in Yemen. <i>Journal of Cardiovascular Medicine</i> , 2019 , 20, 156-158 | 1.9 | 1 |

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| 11 | Blood flow patterns estimation in the left ventricle with low-rate 2D and 3D dynamic contrast-enhanced ultrasound. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 198, 105810 | 6.9 | 1 |
| 10 | Tailored reperfusion strategies in acute myocardial infarction: role of intravenous myocardial contrast echocardiography. <i>Echocardiography</i> , 2002 , 19, 627-34 | 1.5 | 1 |
| 9 | Protective Value of Aspirin Loading Dose on Left Ventricular Remodeling After ST-Elevation Myocardial Infarction.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 786509 | 5.4 | 0 |
| 8 | Chemotherapy as a possible trigger for the myocardial lipomatosis development. <i>Arterial Hypertension (Russian Federation)</i> , 2022 , 27, 706-712 | 0.7 | 0 |
| 7 | Contrast Echocardiography in the ICU and OR 2019 , 269-273 | | |
| 6 | Contrast Echocardiography in the ICU and OR 2013 , 245-248 | | |
| 5 | Value of two-dimensional longitudinal strains analysis to assess the impact of thrombus aspiration during primary percutaneous coronary intervention on left ventricular function: a speckle tracking imaging substudy of the EXPIRA trial. <i>Echocardiography</i> , 2014 , 31, 842-7 | 1.5 | |
| 4 | Clinical Application of Quantitative Analysis in Myocardial Contrast Echocardiography 2004 , 91-103 | | |
| 3 | Peak white blood cell count, infarct size and myocardial salvage in patients with reperfused ST-elevation myocardial infarction: a cardiac magnetic resonance study. <i>Journal of Cardiovascular Medicine</i> , 2021 , 22, 228-230 | 1.9 | |
| 2 | Characteristics and Risk Factors of Yemeni Patients Presenting with Myocardial Infarction with Nonobstructive Coronary Arteries (MINOCA).. <i>Heart Views</i> , 2021 , 22, 235-239 | 0.7 | |
| 1 | Complex connections: A young man presenting with shortness of breath, hypoxemia, right lumbar pain and left limb swelling.. <i>Echocardiography</i> , 2022 , | 1.5 | |