

Mario Gässli

List of Publications by Year in descending order

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120
papers

3,470
citations

136940

32
h-index

155644

55
g-index

122
all docs

122
docs citations

122
times ranked

4958
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic Kidney Disease and Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1823-1838.	2.8	403
2	Enhanced Expression of Lp-PLA ₂ and Lysophosphatidylcholine in Symptomatic Carotid Atherosclerotic Plaques. <i>Stroke</i> , 2008, 39, 1448-1455.	2.0	156
3	Osteocalcin Expression by Circulating Endothelial Progenitor Cells in Patients With Coronary Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1314-1325.	2.8	155
4	Relationship Between Cardiovascular Risk as Predicted by Established Risk Scores Versus Plaque Progression as Measured by Serial Intravascular Ultrasound in Left Main Coronary Arteries. <i>Circulation</i> , 2004, 110, 1579-1585.	1.6	140
5	Functional anatomy and hemodynamic characteristics of vasa vasorum in the walls of porcine coronary arteries. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2003, 272A, 526-537.	2.0	122
6	Dysregulation of the Ubiquitin-Proteasome System in Human Carotid Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2132-2139.	2.4	110
7	Complete Versus Incomplete Revascularization With Coronary Artery Bypass Graft or Percutaneous Intervention in Stable Coronary Artery Disease. <i>Circulation: Cardiovascular Interventions</i> , 2012, 5, 597-604.	3.9	91
8	Rethinking Primary Prevention of Atherosclerosis-Related Diseases. <i>Circulation</i> , 2006, 114, 2517-2527.	1.6	88
9	Inflammatory and injury signals released from the post-stenotic human kidney. <i>European Heart Journal</i> , 2013, 34, 540-548.	2.2	88
10	Contemporary Arterial Access in the Cardiac Catheterization Laboratory. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 2233-2241.	2.9	82
11	Chronic kidney disease and valvular heart disease: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. <i>Kidney International</i> , 2019, 96, 836-849.	5.2	80
12	Segmental Heterogeneity of Vasa Vasorum Neovascularization in Human Coronary Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 32-40.	5.3	76
13	Osteocalcin positive CD133+/CD34-/KDR+ progenitor cells as an independent marker for unstable atherosclerosis. <i>European Heart Journal</i> , 2012, 33, 2963-2969.	2.2	71
14	Novel Transcatheter Mitral Valve Prosthesis for Patients With Severe Mitral Annular Calcification. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1431-1440.	2.8	70
15	Coronary endothelial dysfunction in humans is associated with coronary retention of osteogenic endothelial progenitor cells. <i>European Heart Journal</i> , 2010, 31, 2909-2914.	2.2	69
16	Role of Circulating Osteogenic Progenitor Cells in Calcific Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1945-1953.	2.8	64
17	Remote ischemic preconditioning immediately before percutaneous coronary intervention does not impact myocardial necrosis, inflammatory response, and circulating endothelial progenitor cell counts: A single center randomized sham controlled trial. <i>Catheterization and Cardiovascular Interventions</i> . 2013. 81, 930-936.	1.7	64
18	Increased spatial vasa vasorum density in the proximal LAD in hypercholesterolemia—Implications for vulnerable plaque-development. <i>Atherosclerosis</i> , 2007, 192, 246-252.	0.8	61

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19	Prevention of vasa vasorum neovascularization attenuates early neointima formation in experimental hypercholesterolemia. <i>Basic Research in Cardiology</i> , 2009, 104, 695-706.	5.9	61
20	Polyphenol-rich cranberry juice has a neutral effect on endothelial function but decreases the fraction of osteocalcin-expressing endothelial progenitor cells. <i>European Journal of Nutrition</i> , 2013, 52, 289-296.	3.9	61
21	Clinical Characteristics and Outcomes of STEMI Patients With Cardiogenic Shock and Cardiac Arrest. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1211-1219.	2.9	56
22	Expression of lipoprotein-associated phospholipase A2 in carotid artery plaques predicts long-term cardiac outcome. <i>European Heart Journal</i> , 2009, 30, 2930-2938.	2.2	50
23	Possible Association Between COVID-19 Vaccine and Myocarditis. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1856-1861.	5.3	49
24	Differential distribution of vasa vasorum in different vascular beds in humans. <i>Atherosclerosis</i> , 2008, 199, 47-54.	0.8	47
25	Meta-analysis of the impact of successful chronic total occlusion percutaneous coronary intervention on left ventricular systolic function and reverse remodeling. <i>Journal of Interventional Cardiology</i> , 2018, 31, 562-571.	1.2	47
26	Effect of the C825T polymorphism of the G protein β_3 subunit on the systolic blood pressure-lowering effect of clonidine in young, healthy male subjects. <i>Clinical Pharmacology and Therapeutics</i> , 2003, 74, 53-60.	4.7	44
27	Incidence, predictors, management and outcomes of coronary perforations. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 48-56.	1.7	41
28	Ischemic Stroke With Cerebral Protection System During Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2149-2155.	2.9	39
29	Role of vasa vasorum in transendothelial solute transport in the coronary vessel wall: a study with cryostatic micro-CT. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H2346-H2351.	3.2	35
30	Patients with an HbA1c in the Prediabetic and Diabetic Range Have Higher Numbers of Circulating Cells with Osteogenic and Endothelial Progenitor Cell Markers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 4761-4768.	3.6	34
31	Spectrum of remodeling behavior observed with serial Long-Term (approximately 12 months) Follow-Up intravascular ultrasound studies in left main coronary arteries. <i>American Journal of Cardiology</i> , 2004, 93, 1107-1113.	1.6	33
32	Laser Doppler imager (LDI) scanner and intradermal injection for in vivo pharmacology in human skin microcirculation: responses to acetylcholine, endothelin-1 and their repeatability. <i>British Journal of Clinical Pharmacology</i> , 2005, 59, 511-519.	2.4	33
33	Effects of Bisphosphonate Treatment on Circulating Osteogenic Endothelial Progenitor Cells in Postmenopausal Women. <i>Mayo Clinic Proceedings</i> , 2013, 88, 46-55.	3.0	31
34	Coronary microvascular endothelial dysfunction is an independent predictor of development of osteoporosis in postmenopausal women. <i>Vascular Health and Risk Management</i> , 2014, 10, 533.	2.3	31
35	Causes and Clinical Outcomes of Patients Who Are Ineligible for Transcatheter Mitral Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 196-204.	2.9	30
36	Relationship between arterial diameter and perfused tissue volume in myocardial microcirculation: a micro-CT-based analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H2386-H2392.	3.2	29

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37	Prospective Evaluation for Hypoattenuated Leaflet Thickening Following Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2019, 123, 658-666.	1.6	29
38	The nitric oxide synthase inhibitor L-NMMA potentiates noradrenaline-induced vasoconstriction: effects of the alpha2-receptor antagonist yohimbine. <i>Journal of Hypertension</i> , 2001, 19, 907-911.	0.5	28
39	Remodeling Index Compared to Actual Vascular Remodeling in Atherosclerotic Left Main Coronary Arteries as Assessed With Long-Term (≈12 Months) Serial Intravascular Ultrasound. <i>Journal of the American College of Cardiology</i> , 2006, 47, 1363-1368.	2.8	28
40	Osteogenic monocytes within the coronary circulation and their association with plaque vulnerability in patients with early atherosclerosis. <i>International Journal of Cardiology</i> , 2015, 181, 57-64.	1.7	28
41	Contemporary Reasons and Clinical Outcomes for Patients With Severe, Symptomatic Aortic Stenosis Not Undergoing Aortic Valve Replacement. <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e007220.	3.9	26
42	Use of routinely captured echocardiographic data in the diagnosis of severe aortic stenosis. <i>Heart</i> , 2019, 105, 112-116.	2.9	26
43	Vasa vasorum growth in the coronary arteries of newborn pigs. <i>Anatomy and Embryology</i> , 2004, 208, 351-7.	1.5	25
44	Volumetric assessment of ulcerated ruptured coronary plaques with three-dimensional intravascular ultrasound in vivo. <i>American Journal of Cardiology</i> , 2003, 91, 992-996.	1.6	24
45	Prospective Evaluation of the Eyeball Test for Assessing Frailty in Patients With Valvular Heart Disease. <i>Journal of the American College of Cardiology</i> , 2016, 68, 2911-2912.	2.8	22
46	Severe Mitral Annular Calcification. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1178-1179.	2.9	21
47	Accelerated Coronary Plaque Progression and Endothelial Dysfunction. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 103-104.	5.3	20
48	Left Ventricular Remodeling After Transcatheter Mitral Valve Replacement With Tendyne. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2038-2048.	2.9	20
49	Hypertension and Hypercholesterolemia Differentially Affect the Function and Structure of Pig Carotid Artery. <i>Hypertension</i> , 2007, 50, 1063-1068.	2.7	19
50	Percutaneous Treatment of Aortic and Mitral Valve Paravalvular Regurgitation. <i>Current Cardiology Reports</i> , 2013, 15, 388.	2.9	19
51	Temporal changes in patient characteristics and outcomes in ST-segment elevation myocardial infarction 2003–2018. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 97, 1109-1117.	1.7	18
52	Vulnerable Plaque: Detection and Management. <i>Medical Clinics of North America</i> , 2007, 91, 573-601.	2.5	17
53	Natural history observations in moderate aortic stenosis. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 108.	1.7	17
54	Relation of Nonperfused Myocardial Volume and Surface Area to Left Ventricular Performance in Coronary Microembolization. <i>Circulation</i> , 2004, 110, 1946-1952.	1.6	15

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55	MitraClip patient selection: inclusion and exclusion criteria for optimal outcomes. <i>Annals of Cardiothoracic Surgery</i> , 2018, 7, 771-775.	1.7	14
56	Endothelin-B-receptor-selective antagonist inhibits endothelin-1 induced potentiation on the vasoconstriction to noradrenaline and angiotensin II. <i>Journal of Hypertension</i> , 2004, 22, 1909-1916.	0.5	12
57	Cardiac shunt calculations made easy: A case-based approach. <i>Catheterization and Cardiovascular Interventions</i> , 2010, 76, 137-142.	1.7	12
58	Transcatheter Mitral Valve Replacement with Tendyne. <i>Interventional Cardiology Clinics</i> , 2019, 8, 295-300.	0.4	12
59	Complementary Transcatheter Therapy for Mitral Regurgitation. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1103-1104.	2.8	12
60	<scp>Point-of-care</scp> ultrasound: Closing guideline gaps in screening for valvular heart disease. <i>Clinical Cardiology</i> , 2020, 43, 1368-1375.	1.8	12
61	Impaired myocardial perfusion reserve in experimental hypercholesterolemia is independent of myocardial neovascularization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2449-H2458.	3.2	11
62	Association of Guideline Adherence for Serial Evaluations With Survival and Adverse Clinical Events in Patients With Asymptomatic Severe Aortic Stenosis. <i>JAMA Cardiology</i> , 2017, 2, 1141.	6.1	10
63	Computed Tomographic Angiography-Derived Risk Factors for Vascular Complications in Percutaneous Transfemoral Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2019, 124, 98-104.	1.6	10
64	The Need for Transcatheter Mitral Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1247-1249.	2.8	10
65	Changes in quality of life in patients with low-flow aortic stenosis undergoing transcatheter aortic valve replacement. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, 972-978.	1.7	10
66	Prosthesis-patient mismatch defined by cardiac computed tomography versus echocardiography after transcatheter aortic valve replacement. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 403-411.	1.3	10
67	Assessment of Individual Operator Performance Using a Risk-Adjustment Model for Percutaneous Coronary Interventions. <i>Mayo Clinic Proceedings</i> , 2013, 88, 1250-1258.	3.0	9
68	Prevalence, Trends, and Outcomes of Higher-Risk Percutaneous Coronary Interventions Among Patients Without Acute Coronary Syndromes. <i>Cardiovascular Revascularization Medicine</i> , 2019, 20, 289-292.	0.8	9
69	Transcatheter repair of tricuspid regurgitation with MitraClip. <i>Progress in Cardiovascular Diseases</i> , 2019, 62, 488-492.	3.1	9
70	Imatinib ameliorates fibrosis in uraemic cardiac disease in BALB/c without improving cardiac function. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 1817-1824.	0.7	8
71	Association of baseline and change in global longitudinal strain by computed tomography with post-transcatheter aortic valve replacement outcomes. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 476-484.	1.2	8
72	Renin inhibition with aliskiren lowers circulating endothelial progenitor cells in patients with early atherosclerosis. <i>Journal of Hypertension</i> , 2013, 31, 632-635.	0.5	7

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73	Maneuvers for technical success with transcatheter mitral valve repair. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 617-626.	1.7	7
74	Transcatheter Closure of Complex Ascending Aortic Pseudoaneurysms After Cardiac Surgery. <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e007052.	3.9	7
75	Review â€œ 3D Micro CT Imaging of Renal Micro-Structural Changes. <i>Nephron Clinical Practice</i> , 2006, 103, c66-c70.	2.3	6
76	Current Status of Catheter-Based Treatment of Mitral Valve Regurgitation. <i>Current Cardiology Reports</i> , 2017, 19, 38.	2.9	6
77	Expecting the unexpected: preventing and managing the consequences of coronary perforations. <i>Expert Review of Cardiovascular Therapy</i> , 2018, 16, 805-814.	1.5	6
78	Neo-Left Ventricular Outflow Tract Modification With Alcohol Septal Ablation Before Tendyne Transcatheter Mitral Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2078-2080.	2.9	6
79	Right ventricular dysfunction by computed tomography associates with outcomes in severe aortic stenosis patients undergoing transcatheter aortic valve replacement. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 158-165.	1.3	6
80	Challenges and outcomes of the double kissing crush stenting technique: Insights from the PROGRESSâ€¢BIFURCATION registry. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 1038-1044.	1.7	6
81	Frontiers in Nephrology. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 2836-2842.	6.1	5
82	Relationship between surface area of nonperfused myocardium and extravascular extraction of contrast agent following coronary microembolization. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R430-R437.	1.8	5
83	Failing left ventricle to ascending aorta conduitâ€”Hybrid implantation of a melody valve and NuMed covered stent. <i>Catheterization and Cardiovascular Interventions</i> , 2014, 83, 778-781.	1.7	5
84	Left Main Coronary Artery Protection During Transcatheter Aortic Valve Deployment. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1583.	2.8	5
85	Impact of Transcatheter Mitral Valve Repair on Left Ventricular Remodeling in Secondary Mitral Regurgitation: A Meta-Analysis. <i>Structural Heart</i> , 2018, 2, 541-547.	0.6	5
86	Clinical Outcomes of Mitral Valve Disease With Mitral Annular Calcification. <i>American Journal of Cardiology</i> , 2022, 174, 107-113.	1.6	5
87	Necrotizing Skin Ulceration in Antibiotic-Induced Agranulocytosis. <i>Mayo Clinic Proceedings</i> , 2006, 81, 1527.	3.0	4
88	An Update on Transcatheter Aortic Valve Replacement. <i>Current Problems in Cardiology</i> , 2013, 38, 245-283.	2.4	4
89	Pulmonary Hypertension in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e002253.	3.9	4
90	Impact of sleep deprivation on the outcomes of percutaneous coronary intervention. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 1118-1125.	1.7	4

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91	Coronary revascularization and use of hemodynamic support in acute coronary syndromes. Hellenic Journal of Cardiology, 2019, 60, 165-170.	1.0	4
92	Clinical and Economic Outcomes of the Minimalist Approach for Transcatheter Aortic Valve Replacement. Structural Heart, 2019, 3, 138-143.	0.6	4
93	Identification of Subclinical Myocardial Dysfunction and Association with Survival after Transcatheter Mitral Valve Repair. Journal of the American Society of Echocardiography, 2020, 33, 1474-1480.	2.8	4
94	Transcatheter aortic valve replacement in patients with severe comorbidities: A retrospective cohort study. Catheterization and Cardiovascular Interventions, 2021, 97, E253-E262.	1.7	4
95	Finding the Culprit. JACC: Cardiovascular Interventions, 2019, 12, 2106-2109.	2.9	3
96	Outcomes after pacemaker implantation in patients with new-onset left bundle-branch block after transcatheter aortic valve replacement. American Heart Journal, 2019, 218, 128-132.	2.7	3
97	Transcatheter closure of an aorto-“right ventricular fistula after TAVR. Cardiovascular Intervention and Therapeutics, 2019, 34, 290-292.	2.3	3
98	Impact of the Commercial Introduction of Transcatheter Mitral Valve Repair on Mitral Surgical Practice. Journal of the American Heart Association, 2020, 9, e014874.	3.7	3
99	Adoptability and accuracy of <scp>point-of-care</scp> ultrasound in screening for valvular heart disease in the primary care setting. Journal of Clinical Ultrasound, 2022, 50, 265-270.	0.8	3
100	Transcatheter Mitral Valve Repair of Recurrent Mitral Regurgitation Following Mitral Surgery. JACC: Cardiovascular Interventions, 2019, 12, 1395-1397.	2.9	2
101	Challenges of Left Atrial Appendage Occlusion Using a Watchman After Transcatheter Mitral Valve Implantation With a Tendyne. JACC: Cardiovascular Interventions, 2020, 13, 1720-1722.	2.9	2
102	Invasive versus non-invasive assessment of valvuloarterial impedance in severe aortic stenosis. Open Heart, 2020, 7, e001240.	2.3	2
103	Don't neglect the octogenariansâ€”DES for everyone!?. Nature Reviews Cardiology, 2012, 9, 189-190.	13.7	1
104	Quantifying the Costs of Transcatheter Aortic Valve Replacement Hesitancy. Journal of the American Heart Association, 2018, 7, e010610.	3.7	1
105	Waiting to Exhale. Circulation: Cardiovascular Interventions, 2018, 11, e006749.	3.9	1
106	Cardiac Amyloidosis is Underdiagnosed in Patients Undergoing Transcatheter Aortic Valve Replacement. Structural Heart, 2020, 4, 512-514.	0.6	1
107	Anticoagulation in Patients with Aortic Stenosis and Atrial Fibrillation. Structural Heart, 2020, 4, 360-368.	0.6	1
108	Relation of Guideline Adherence to Outcomes in Patients With Asymptomatic Severe Primary Mitral Regurgitation. American Journal of Cardiology, 2021, 155, 113-120.	1.6	1

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109	Percutaneous Treatment of Mitral Regurgitation: Present and Future. Journal of the Minneapolis Heart Institute Foundation, 2017, 1, 113-123.	0.0	1
110	â€œCommissural dropâ€•wiring technique facilitates catheter crossing of severely stenotic aortic valve. Chinese Medical Journal, 2021, 134, 245-246.	2.3	1
111	Transcatheter closure of periprosthetic leaks. Progress in Cardiovascular Diseases, 2022, 72, 96-101.	3.1	1
112	Cardiac shunt calculations made easy-A case based approach. Catheterization and Cardiovascular Interventions, 2011, 77, 461-461.	1.7	0
113	Where Are the Boundaries for Transcatheter Valve Therapy?. JACC: Cardiovascular Interventions, 2016, 9, 1372-1373.	2.9	0
114	Transcatheter Aortic Valve Replacementâ€•Versus Surgical Aorticâ€•Valve Replacement. JACC: Cardiovascular Interventions, 2018, 11, 2217-2219.	2.9	0
115	Simultaneous deployment of multiple device occluders and the anchor wire technique for a treatment of paravalvular defect of a surgical mitral ring. Cardiovascular Intervention and Therapeutics, 2019, 34, 191-193.	2.3	0
116	MY APPROACH to patients with asymptomatic aortic stenosis (with normal left ventricular ejection) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.9	0
117	Valvular Heart Diseases Surveillance: A Commanding Necessity. Mayo Clinic Proceedings, 2020, 95, 2585-2588.	3.0	0
118	Periprocedural Antithrombotic Therapy: A Practical Guide for Clinical Practice. Journal of the Minneapolis Heart Institute Foundation, 2017, 1, 24-29.	0.0	0
119	Transcatheter mitral valve replacement. , 2020, , 463-481.		0
120	Computed Tomography Planning for Transcatheter Mitral Valve Replacement. Structural Heart, 2022, 6, 100012.	0.6	0