Atsushi Tanaka

List of Publications by Year
in descending order

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Version: 2024-02-01

99 papers	3,594 citations	331670 21 h-index	138484 58 g-index
101 all docs	101 docs citations	101 times ranked	3471 citing authors

#	Article	IF	Citations
1	Consensus Standards for Acquisition, Measurement, and Reporting of Intravascular Optical Coherence Tomography Studies. Journal of the American College of Cardiology, 2012, 59, 1058-1072.	2.8	1,530
2	Lipid-rich plaque and myocardial perfusion after successful stenting in patients with non-ST-segment elevation acute coronary syndrome: an optical coherence tomography study. European Heart Journal, 2009, 30, 1348-1355.	2.2	174
3	Difference of Culprit Lesion Morphologies Between ST-Segment Elevation Myocardial Infarction and Nonâ€“ST-Segment Elevation Acute Coronary Syndrome. JACC: Cardiovascular Interventions, 2011, 4, 76-82.	2.9	173
4	Morphology of Exertion-Triggered Plaque Rupture in Patients With Acute Coronary Syndrome. Circulation, 2008, 118, 2368-2373.	1.6	169
5	Relation of Microchannel Structure Identified by Optical Coherence Tomography to Plaque Vulnerability in Patients With Coronary Artery Disease. American Journal of Cardiology, 2010, 105, 1673-1678.	1.6	154
6	Optical coherence tomography in coronary atherosclerosis assessment and intervention. Nature Reviews Cardiology, 2022, 19, 684-703.	13.7	106
7	InÂvivo optical coherence tomography imaging and histopathology of healed coronary plaques. Atherosclerosis, 2018, 275, 35-42.	0.8	93
8	Distribution and Frequency of Thin-Capped Fibroatheromas and Ruptured Plaques in the Entire Culprit Coronary Artery in Patients With Acute Coronary Syndrome as Determined by Optical Coherence Tomography. American Journal of Cardiology, 2008, 102, 975-979.	1.6	90
9	Vasa Vasorum Restructuring in HumanÂAtherosclerotic Plaque Vulnerability. Journal of the American College of Cardiology, 2015, 65, 2469-2477.	2.8	89
10	Non-Invasive Assessment of Plaque Rupture by 64-Slice Multidetector Computed Tomography Comparison With Intravascular Ultrasound. Circulation Journal, 2008, 72, 1276-1281.	1.6	76
11	Comparison of cardiac MRI and 18F-FDG positron emission tomography manifestations and regional response to corticosteroid therapy in newly diagnosed cardiac sarcoidosis with complete heart block. Heart Rhythm, 2015, 12, 2477-2485.	0.7	70
12	Optical Coherence Tomography Predictors for Edge Restenosis After Everolimus-Eluting Stent Implantation. Circulation: Cardiovascular Interventions, 2016, 9, .	3.9	67
13	Relationships Between Periventricular Epicardial Adipose Tissue Accumulation, Coronary Microcirculation, and Left Ventricular Diastolic Dysfunction. Canadian Journal of Cardiology, 2017, 33, 1489-1497.	1.7	42
14	Diagnostic Accuracy of Quantitative Flow Ratio for Assessing Myocardial Ischemia in Prior Myocardial Infarction. Circulation Journal, 2018, 82, 807-814.	1.6	36
15	Optical coherence tomography detection of vulnerable plaques at high risk of developing acute coronary syndrome. European Heart Journal Cardiovascular Imaging, 2021, , .	1.2	36
16	Myocardial Damage Detected by Two-Dimensional Speckle-Tracking Echocardiography in Patients withÂExtracardiac Sarcoidosis: Comparison withÂMagnetic Resonance Imaging. Journal of the American Society of Echocardiography, 2015, 28, 683-691.	2.8	31
17	Impact of functional focal versus diffuse coronary artery disease on bypass graft patency. International Journal of Cardiology, 2016, 222, 16-21.	1.7	31
18	Impact of Plaque Rupture Detected by Optical Coherence Tomography on Transmural Extent of Infarction After Successful Stenting in ST-Segment Elevation Acute Myocardial Infarction. JACC: Cardiovascular Interventions, 2017, 10, 1025-1033.	2.9	27

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19	Feasibility and Clinical Significance of In Vivo Cholesterol Crystal Detection Using Optical Coherence Tomography. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 220-229.	2.4	27
20	Relationship between longitudinal morphology of ruptured plaques and TIMI flow grade in acute coronary syndrome: a three-dimensional intravascular ultrasound imaging study. European Heart Journal, 2007, 29, 38-44.	2.2	24
21	Effect of Early Pitavastatin Therapy on Coronary Fibrous-Cap Thickness Assessed by Optical Coherence Tomography in Patients With Acute Coronary Syndrome. JACC: Cardiovascular Imaging, 2018, 11, 829-838.	5.3	23
22	NIRS-IVUS for Differentiating Coronary Plaque Rupture, Erosion, and Calcified Nodule in Acute Myocardial Infarction. JACC: Cardiovascular Imaging, 2021, 14, 1440-1450.	5.3	23
23	Local Matrix Metalloproteinase 9 Level Determines Early Clinical Presentation of ST-Segmentâ€“Elevation Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2460-2467.	2.4	22
24	Association between hyperglycemia at admission and microvascular obstruction in patients with ST-segment elevation myocardial infarction. Journal of Cardiology, 2015, 65, 272-277.	1.9	21
25	Association of Toll-Like Receptor 4 on Human Monocyte Subsets and Vulnerability Characteristics of Coronary Plaque as Assessed by 64-Slice Multidetector Computed Tomography. Circulation Journal, 2017, 81, 837-845.	1.6	21
26	Difference of ruptured plaque morphology between asymptomatic coronary artery disease and non-ST elevation acute coronary syndrome patients: An optical coherence tomography study. Atherosclerosis, 2014, 235, 532-537.	0.8	20
27	Optical Coherence Tomography Comparison of Percutaneous Coronary Intervention Among Plaque Rupture, Erosion, and Calcified Nodule in Acute Myocardial Infarction. Circulation Journal, 2020, 84, 911-916.	1.6	19
28	Relation of Albuminuria to Coronary Microvascular Function in Patients With Chronic Kidney Disease. American Journal of Cardiology, 2014, 113, 779-785.	1.6	17
29	Pre-Procedural Serum Atrial Natriuretic Peptide Levels Predict Left Atrial Reverse Remodeling After Catheter Ablation in Patients With Atrial Fibrillation. JACC: Clinical Electrophysiology, 2016, 2, 151-158.	3.2	16
30	Ruptured plaque is associated with larger infarct size following successful percutaneous coronary intervention in ST segment elevation acute myocardial infarction. Coronary Artery Disease, 2009, 20, 260-266.	0.7	15
31	Successful Stenting With Optical Frequency Domain Imaging Guidance For Spontaneous Coronary Artery Dissection. JACC: Cardiovascular Interventions, 2015, 8, e83-e85.	2.9	15
32	Coronary artery lumen complexity as a new marker for refractory symptoms in patients with vasospastic angina. Scientific Reports, 2021, 11, 13.	3.3	15
33	Comparison of Optical Flow Ratio and Fractional Flow Ratio in Stent-Treated Arteries Immediately After Percutaneous Coronary Intervention. Circulation Journal, 2020, 84, 2253-2258.	1.6	15
34	Comparison of vascular response between everolimus-eluting stent and bare metal stent implantation in ST-segment elevation myocardial infarction assessed by optical coherence tomography. European Heart Journal Cardiovascular Imaging, 2015, 16, 513-520.	1.2	14
35	Prognosis of spontaneous coronary artery dissection treated by percutaneous coronary intervention with optical coherence tomography. Journal of Cardiology, 2017, 70, 524-529.	1.9	14
36	High-sensitive cardiac troponin T as a novel predictor for recurrence of atrial fibrillation after radiofrequency catheter ablation. Europace, 2017, 19, 1951-1957.	1.7	13

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37	Incidence and risk factors for aspiration pneumonia after cardiovascular surgery in elderly patients. General Thoracic and Cardiovascular Surgery, 2017, 65, 96-101.	0.9	12
38	Lesion characteristics and prognosis of acute coronary syndrome without angiographically significant coronary artery stenosis. European Heart Journal Cardiovascular Imaging, 2019, 21, 202-209.	1.2	12
39	Assessment of decreased left ventricular longitudinal deformation in asymptomatic patients with organic mitral regurgitation and preserved ejection fraction using tissueâ€tracking mitral annular displacement by speckleâ€tracking echocardiography. Echocardiography, 2019, 36, 678-686.	0.9	11
40	Necessity of magnetic resonance imaging examinations after permanent pacemaker implantation. International Journal of Cardiology, 2015, 184, 497-498.	1.7	10
41	Optimal threshold of postintervention minimum stent area to predict inâ€stent restenosis in small coronary arteries: An optical coherence tomography analysis. Catheterization and Cardiovascular Interventions, 2016, 87, E9-E14.	1.7	10
42	Reduction of in-stent thrombus immediately after percutaneous coronary intervention by pretreatment with prasugrel compared with clopidogrel: An optical coherence tomography study. Journal of Cardiology, 2017, 69, 436-441.	1.9	10
43	Imaging assessment and accuracy in coronary artery autopsy: comparison of frequency-domain optical coherence tomography with intravascular ultrasound and histology. International Journal of Cardiovascular Imaging, 2019, 35, 1785-1790.	1.5	10
44	A biodegradable microneedle sheet for intracorporeal topical hemostasis. Scientific Reports, 2020, 10, 18831.	3.3	10
45	Automatic image classification in intravascular optical coherence tomography images. , 2016, , .		9
46	Association of Hemodynamic Severity With Plaque Vulnerability and Complexity of Coronary Artery Stenosis. JACC: Cardiovascular Imaging, 2019, 12, 1103-1105.	5.3	9
47	The inter-study reproducibility of instantaneous wave-free ratio and angiography coregistration. Journal of Cardiology, 2020, 75, 507-512.	1.9	9
48	Increased plaque rupture forms peak incidence of acute myocardial infarction in winter. International Journal of Cardiology, 2020, 320, 18-22.	1.7	9
49	Clinical Utility of Combined Optical Coherence Tomography and Near-Infrared Spectroscopy for Assessing the Mechanism of Very Late Stent Thrombosis. JACC: Cardiovascular Imaging, 2018, 11, 772-775.	5.3	8
50	Global longitudinal strain evaluated by <scp>speckleâ€tracking</scp> echocardiography as a surrogate marker for predicting replacement fibrosis detected by magnetic <scp>resonanceâ€late</scp> gadolinium enhancement in patients with nonischemic cardiomyopathy. Journal of Clinical Ultrasound, 2021, 49, 479-487.	0.8	8
51	Graph based lumen segmentation in optical coherence tomography images. , 2015, , .		7
52	The relationship between timing of prasugrel pretreatment and in-stent thrombus immediately after percutaneous coronary intervention for acute coronary syndrome: an optical coherence tomography study. Heart and Vessels, 2018, 33, 1159-1167.	1.2	7
53	Value of tissueâ€tracking tricuspid annular plane by speckleâ€tracking echocardiography for the assessment of right ventricular systolic dysfunction. Echocardiography, 2019, 36, 110-118.	0.9	7
54	No-reflow phenomenon and in vivo cholesterol crystals combined with lipid core in acute myocardial infarction. IJC Heart and Vasculature, 2022, 38, 100953.	1.1	7

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55	Acceleration Time of Systolic Coronary Flow Velocity to Diagnose Coronary Stenosis in Patients with Microvascular Dysfunction. Journal of the American Society of Echocardiography, 2014, 27, 200-207.	2.8	6
56	Shedding Light on Pathophysiology of Spontaneous Coronary Artery Dissection. JACC: Cardiovascular Imaging, 2019, 12, 2489-2491.	5.3	6
57	Effects of intravenous bolus injection of nicorandil on renal artery flow velocity assessed by color Doppler ultrasound. Journal of Cardiology, 2017, 69, 364-368.	1.9	5
58	High-density lipoprotein cholesterol as a therapeutic target for residual risk in patients with acute coronary syndrome. PLoS ONE, 2018, 13, e0200383.	2.5	5
59	Prevalence, Features, and Prognosis of Aryâ€toâ€Artery Embolic STâ€Segmentâ€“Elevation Myocardial Infarction: An Optical Coherence Tomography Study. Journal of the American Heart Association, 2020, 9, e017661.	3.7	5
60	Impact of left ventricular ejection fraction and preoperative hemoglobin level on perioperative adverse cardiovascular events in noncardiac surgery. Heart and Vessels, 2021, 36, 1317-1326.	1.2	5
61	Noninvasive estimation of impaired left ventricular untwisting velocity by peak early diastolic intra-ventricular pressure gradients using vector flow mapping. Journal of Echocardiography, 2021, 19, 166-172.	0.8	5
62	Incremental Value of Coronary Flow Velocity Reserve, Measured by Transthoracic Echocardiography, Compared with Computed Tomography Angiography Alone, for Detecting Flow-Limiting Coronary Stenoses. Journal of the American Society of Echocardiography, 2014, 27, 1230-1237.	2.8	4
63	Usefulness of rescue ultrasound guidance for transradial cardiac catheterization. Cardiovascular Revascularization Medicine, 2019, 20, 311-315.	0.8	4
64	Impact of instantaneous wave-free ratio on graft failure after coronary artery bypass graft surgery. International Journal of Cardiology, 2021, 324, 23-29.	1.7	4
65	Thrombotic Risk and Cardiovascular Events in Patients With Revascularization Deferral After Fractional Flow ReserveÂAssessment. JACC: Cardiovascular Interventions, 2022, 15, 427-439.	2.9	4
66	Noninvasive assessment of left ventricular endâ€diastolic pressure by deceleration time of early diastolic mitral annular velocity in patients with heart failure. Echocardiography, 2017, 34, 1292-1298.	0.9	3
67	Prognostic Value of Human Peripheral Monocyte Subsets for Future Coronary Events in Patients Without Significant Coronary Artery Stenosis. Circulation Journal, 2019, 83, 2250-2256.	1.6	3
68	Preoperative left atrial minimum volume as a surrogate marker of postoperative symptoms in senile patients with aortic stenosis who underwent surgical aortic valve replacement. Journal of Cardiology, 2019, 74, 366-371.	1.9	3
69	Stabilization of High Risk Coronary Plaque on Optical Coherence Tomography and Near-Infrared Spectroscopy by Intensive Lipid-Lowering Therapy With Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Inhibitor. Circulation Journal, 2019, 83, 1765.	1.6	3
70	Intracoronary pressure increase due to contrast injection for optical coherence tomography imaging. Journal of Cardiology, 2020, 75, 296-301.	1.9	3
71	Cancer-related vulnerable lesions in patients with stable coronary artery disease. International Journal of Cardiology, 2021, 335, 1-6.	1.7	3
72	Left Atrial Appendage Aneurysm Diagnosed by Transthoracic Echocardiography. Circulation Journal, 2022, , .	1.6	3

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73	Prevalence of myocardial perfusion scintigraphy derived ischemia in coronary lesions with discordant fractional flow reserve and non-hyperemic pressure ratios. International Journal of Cardiology, 2022, 357, 20-25.	1.7	3
74	Intimal exfoliation following abnormal circular proliferation as a cause for acute coronary syndrome in a patient with polycythemia vera. International Journal of Cardiology, 2015, 199, 239-240.	1.7	2
75	Automated lipid-rich plaque detection with short wavelength infra-red OCT system. European Heart Journal Cardiovascular Imaging, 2018, 19, 1174-1178.	1.2	2
76	Combination of Lesion Stenosis and Myocardial Supply Area Assessed by Coronary Computed Tomography Angiography for Prediction of Myocardial Ischemia. International Heart Journal, 2019, 60, 1238-1244.	1.0	2
77	Prognostic value of tissue-tracking mitral annular displacement by speckle-tracking echocardiography in asymptomatic aortic stenosis patients with preserved left ventricular ejection fraction. Journal of Echocardiography, 2021, 19, 95-102.	0.8	2
78	Interleukin-34 levels are increased in acute myocardial infarction and associated with major adverse cardiovascular events. Coronary Artery Disease, 2022, 33, 61-63.	0.7	2
79	Expression of Cyclophilin A in Coronary Artery Plaque with Intraplaque Hemorrhage Is More Frequent in Deceased Patients Who Had Impaired Kidney Function. International Heart Journal, 2020, 61, 1129-1134.	1.0	2
80	Impact of cavotricuspid isthmus depth on the ablation index for successful first-pass typical atrial flutter ablation. Scientific Reports, 2021, 11, 22413.	3.3	2
81	Telecardiology in Rural Practice: Global Trends. International Journal of Environmental Research and Public Health, 2022, 19, 4335.	2.6	2
82	Automatic volume classification in intravascular optical coherence tomography images. , 2017, , .		1
83	Is stent Overlap Still an Achilles' Heel of Drug-Eluting Stents?. Cardiovascular Revascularization Medicine, 2020, 21, 1113-1114.	0.8	1
84	Assessment of myocardial damage after acute myocardial infarction by diastolic deceleration time of coronary flow velocity using echocardiography and contrastâ€enhanced magnetic resonance imaging. Echocardiography, 2020, 37, 1981-1988.	0.9	1
85	Real-time venography-guided extrathoracic puncture technique for cardiovascular implantable electronic device implantation. Heart and Vessels, 2022, 37, 91-98.	1.2	1
86	Effect of Atherectomy on Lesion Preparation in Heavily Calcified Coronary Artery Disease. Circulation Reports, 2022, 4, .	1.0	1
87	Vascular Response After Everolimus-Eluting Stent in Acute Myocardial Infarction Caused by Calcified Nodule. Circulation Journal, 2022, 86, 1388-1396.	1.6	1
88	Acute coronary syndrome due to plaque erosion likely triggered by insect bites: a case series of Kounis syndrome. European Heart Journal - Case Reports, 2022, 6, .	0.6	1
89	Feasibility of tissue-tracking mitral annular displacement in single four-chamber view as a simple index of left ventricular longitudinal deformation. Journal of Echocardiography, 2022, 20, 224-232.	0.8	1
90	Bioresorbable Scaffoldã€€â€“ Taking the Edge Off? â€“. Circulation Journal, 2016, 80, 1100-1101.	1.6	0

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91	Enhanced Vasa Vasorum Formation at Spasm Siteã€€â€“ Coincident Plexus or External Pathogenic Routes? â€“. Circulation Journal, 2016, 80, 2100-2101.	1.6	0
92	Illuminating the optimal anastomosis site with optical coherence tomography in coronary artery bypass surgery. Journal of Cardiac Surgery, 2018, 33, 646-648.	0.7	0
93	Very late-phase vascular response after everolimus-eluting stent implantation assessed by optical coherence tomography. International Journal of Cardiovascular Imaging, 2020, 36, 1627-1635.	1.5	0
94	Extent of the difference between microcatheter and pressure wire-derived fractional flow reserve and its relation to optical coherence tomography-derived parameters. IJC Heart and Vasculature, 2020, 27, 100500.	1.1	0
95	A case who finally underwent coronary artery bypass graft after stent implantation for three vessels. Journal of the Japanese Coronary Association, 2014, 21, 111-114.	0.0	0
96	Current status and future perspectives of optical coherence tomography in percutaneous coronary intervention. Journal of the Japanese Coronary Association, 2016, 22, 1-8.	0.0	0
97	A Case with Anti PL-7 Antibody Positive Dermatomyositis Complicated with Cardiac Tamponade. The Journal of the Japanese Society of Internal Medicine, 2020, 109, 598-602.	0.0	0
98	Usefulness of Cardiovascular Magnetic Resonance Imaging in a Patient with Cardiac Involvement of Systemic Sclerosis. Internal Medicine, 2022, , .	0.7	0
99	Coronary Vasospasm Complicated by Intercoronary Communication. Circulation Journal, 2022, , .	1.6	0