Yasutsugu Shiono

List of Publications by Year
in descending order

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91 papers	1,678 citations	331538 21 h-index	315616 38 g-index
96 all docs	96 docs citations	96 times ranked	2104 citing authors

#	Article	IF	Citations
1	Effect of Atorvastatin Therapy on FibrousÂCap Thickness in Coronary Atherosclerotic Plaque as Assessed byÂOptical CoherenceÂTomography. Journal of the American College of Cardiology, 2014, 64, 2207-2217.	1.2	219
2	Fractional Flow Reserve/InstantaneousÂWave-Free Ratio Discordance in Angiographically Intermediate CoronaryÂStenoses. JACC: Cardiovascular Interventions, 2017, 10, 2514-2524.	1.1	104
3	InÂvivo optical coherence tomography imaging and histopathology of healed coronary plaques. Atherosclerosis, 2018, 275, 35-42.	0.4	93
4	Vasa Vasorum Restructuring in HumanÂAtherosclerotic Plaque Vulnerability. Journal of the American College of Cardiology, 2015, 65, 2469-2477.	1.2	89
5	Optical Coherence Tomography-Derived Anatomical Criteria for Functionally Significant Coronary Stenosis Assessed by Fractional Flow Reserve. Circulation Journal, 2012, 76, 2218-2225.	0.7	75
6	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.	0.3	70
7	Clinical implications of three-vessel fractional flow reserve measurement in patients with coronary artery disease. European Heart Journal, 2018, 39, 945-951.	1.0	68
8	Optical Coherence Tomography Predictors for Edge Restenosis After Everolimus-Eluting Stent Implantation. Circulation: Cardiovascular Interventions, 2016, 9, .	1.4	67
9	JCS 2018 Guideline on Diagnosis of Chronic Coronary Heart Diseases. Circulation Journal, 2021, 85, 402-572.	0.7	52
10	Prognostic Implication of Functional Incomplete Revascularization and ResidualÂFunctional SYNTAX Score in Patients With Coronary Artery Disease. JACC: Cardiovascular Interventions, 2018, 11, 237-245.	1.1	51
11	Impact of Attenuated Plaque as Detected by Intravascular Ultrasound on the Occurrence of Microvascular Obstruction After Percutaneous Coronary Intervention in Patients With ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Interventions, 2013, 6, 847-853.	1.1	37
12	Optical coherence tomography detection of vulnerable plaques at high risk of developing acute coronary syndrome. European Heart Journal Cardiovascular Imaging, 2021, , .	0.5	36
13	QFR Versus FFR Derived From ComputedÂTomography for FunctionalÂAssessment of CoronaryÂArtery Stenosis. JACC: Cardiovascular Interventions, 2019, 12, 2050-2059.	1.1	35
14	Two-Year Outcomes After Deferral of Revascularization Based on Fractional Flow Reserve. Circulation: Cardiovascular Interventions, 2020, 13, e008355.	1.4	32
15	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.	1.2	31
16	Impact of functional focal versus diffuse coronary artery disease on bypass graft patency. International Journal of Cardiology, 2016, 222, 16-21.	0.8	31
17	Long-Term Outcome After Deferral of Revascularization in Patients With Intermediate Coronary Stenosis and Gray-Zone Fractional Flow Reserve. Circulation Journal, 2014, 79, 91-95.	0.7	29
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.	1.1	27

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19	Impact of myocardial supply area on the transstenotic hemodynamics as determined by fractional flow reserve. Catheterization and Cardiovascular Interventions, 2014, 84, 406-413.	0.7	24
20	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.	2.3	23
21	NIRS-IVUS for Differentiating Coronary Plaque Rupture, Erosion, and Calcified Nodule in Acute Myocardial Infarction. JACC: Cardiovascular Imaging, 2021, 14, 1440-1450.	2.3	23
22	Local Matrix Metalloproteinase 9 Level Determines Early Clinical Presentation of ST-Segmentâ€“Elevation Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2460-2467.	1.1	22
23	Association between hyperglycemia at admission and microvascular obstruction in patients with ST-segment elevation myocardial infarction. Journal of Cardiology, 2015, 65, 272-277.	0.8	21
24	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.	0.4	20
25	Algorithmic Versus Expert Human Interpretation of Instantaneous Wave-Free Ratio Coronary Pressure-Wire Pull Back Data. JACC: Cardiovascular Interventions, 2019, 12, 1315-1324.	1.1	19
26	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.	0.7	19
27	Clinical use of physiological lesion assessment using pressure guidewires: an expert consensus document of the Japanese association of cardiovascular intervention and therapeuticsâ€”update 2022. Cardiovascular Intervention and Therapeutics, 2022, 37, 425-439.	1.2	19
28	Relation of Albuminuria to Coronary Microvascular Function in Patients With Chronic Kidney Disease. American Journal of Cardiology, 2014, 113, 779-785.	0.7	17
29	Retrospective Comparison of Long-Term Clinical Outcomes Between Percutaneous Coronary Intervention and Medical Therapy in Stable Coronary Artery Disease With Gray Zone Fractional Flow Reserveâ€€â€• COMFORTABLE Retrospective Study â€•. Circulation Journal, 2018, 82, 3044-3051.	0.7	17
30	Five-Year Outcomes After Fractional Flow Reserveâ€“Based Deferral of Revascularization in Chronic Coronary Syndrome: Final Results From the J-CONFIRM Registry. Circulation: Cardiovascular Interventions, 2022, 15, CIRCINTERVENTIONS121011387.	1.4	17
31	Association between P-selectin glycoprotein ligand-1 and pathogenesis in acute coronary syndrome assessed by optical coherence tomography. Atherosclerosis, 2014, 233, 697-703.	0.4	16
32	Successful Stenting With Optical Frequency Domain Imaging Guidance For Spontaneous Coronary Artery Dissection. JACC: Cardiovascular Interventions, 2015, 8, e83-e85.	1.1	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.	0.7	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.	0.5	14
35	Clinical Outcomes of Deferred Lesions With Angiographically Insignificant Stenosis But Low Fractional Flow Reserve. Journal of the American Heart Association, 2017, 6, .	1.6	14
36	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.	0.3	11

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37	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.	0.7	10
38	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.	0.8	10
39	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.	0.7	10
40	Clinical Relevance of Functionally Insignificant Moderate Coronary Artery Stenosis Assessed by 3â€Vessel Fractional Flow Reserve Measurement. Journal of the American Heart Association, 2018, 7, .	1.6	9
41	Clinical Impact of Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve on Japanese Population in the ADVANCE Registry. Circulation Journal, 2019, 83, 1293-1301.	0.7	9
42	The inter-study reproducibility of instantaneous wave-free ratio and angiography coregistration. Journal of Cardiology, 2020, 75, 507-512.	0.8	9
43	Increased plaque rupture forms peak incidence of acute myocardial infarction in winter. International Journal of Cardiology, 2020, 320, 18-22.	0.8	9
44	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.	2.3	8
45	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.	0.4	8
46	Impact of Optical Coherence Tomography Imaging on Decision-Making During Percutaneous Coronary Intervention in Patients Presented With Acute Coronary Syndromes. Circulation Journal, 2021, 85, 1781-1788.	0.7	8
47	Optimal hemostasis duration for percutaneous coronary intervention via the snuffbox approach: A prospective, multi-center, observational study (HEMOBOX). International Journal of Cardiology, 2021, 338, 79-82.	0.8	8
48	Value of tissueâ€tracking tricuspid annular plane by speckleâ€tracking echocardiography for the assessment of right ventricular systolic dysfunction. Echocardiography, 2019, 36, 110-118.	0.3	7
49	No-reflow phenomenon and in vivo cholesterol crystals combined with lipid core in acute myocardial infarction. IJC Heart and Vasculature, 2022, 38, 100953.	0.6	7
50	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.	1.2	6
51	Inter-observer differences in interpretation of coronary pressure-wire pullback data by non-expert interventional cardiologists. Cardiovascular Intervention and Therapeutics, 2021, 36, 289-297.	1.2	5
52	Per-Vessel Level Analysis of Fractional Flow Reserve and Instantaneous Wave-Free Ratio Discordanceã€€â€• Insights From the AJIP Registry â€•. Circulation Journal, 2020, 84, 1034-1038.	0.7	5
53	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.	0.5	5
54	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.	0.4	5

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55	Combined Use of Multiple Intravascular Imaging Techniques in Acute Coronary Syndrome. Frontiers in Cardiovascular Medicine, 2021, 8, 824128.	1.1	5
56	Comparison of clinical outcomes following percutaneous coronary intervention versus optimal medical therapy based on gray-zone fractional flow reserve in stable angina patients with intermediate coronary artery stenosis (COMFORTABLE prospective study): Study protocol for a multicenter randomized controlled trial. Trials, 2019, 20, 84.	0.7	4
57	Impact of instantaneous wave-free ratio on graft failure after coronary artery bypass graft surgery. International Journal of Cardiology, 2021, 324, 23-29.	0.8	4
58	Usefulness of optical coherence tomography with angiographic coregistration in the guidance of coronary stent implantation. Heart and Vessels, 2021, , 1.	0.5	4
59	Association of guideline-directed medical therapy adherence with outcomes after fractional flow reserve-based deferral of revascularization. European Heart Journal - Cardiovascular Pharmacotherapy, 2022, 8, 600-608.	1.4	4
60	Thrombotic Risk and Cardiovascular Events in Patients With Revascularization Deferral After Fractional Flow ReserveÂAssessment. JACC: Cardiovascular Interventions, 2022, 15, 427-439.	1.1	4
61	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.	0.3	3
62	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.	0.8	3
63	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.	0.7	3
64	Intracoronary pressure increase due to contrast injection for optical coherence tomography imaging. Journal of Cardiology, 2020, 75, 296-301.	0.8	3
65	Cancer-related vulnerable lesions in patients with stable coronary artery disease. International Journal of Cardiology, 2021, 335, 1-6.	0.8	3
66	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.	0.8	3
67	Automated lipid-rich plaque detection with short wavelength infra-red OCT system. European Heart Journal Cardiovascular Imaging, 2018, 19, 1174-1178.	0.5	2
68	Current Clinical Applications of Intravascular Optical Coherence Tomography in Coronary Artery Disease. Annals of Nuclear Cardiology, 2018, 4, 127-131.	0.0	2
69	Prognostic Relevance of Discordant Results Between Fractional Flow Reserve and Resting Indices. Circulation Journal, 2019, 83, 2203-2204.	0.7	2
70	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.	0.4	2
71	Interleukin-34 levels are increased in acute myocardial infarction and associated with major adverse cardiovascular events. Coronary Artery Disease, 2022, 33, 61-63.	0.3	2
72	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.	0.5	2

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73	Impact of cavotricuspid isthmus depth on the ablation index for successful first-pass typical atrial flutter ablation. Scientific Reports, 2021, 11, 22413.	1.6	2
74	Telecardiology in Rural Practice: Global Trends. International Journal of Environmental Research and Public Health, 2022, 19, 4335.	1.2	2
75	Early abnormality detected by speckle-tracking echocardiography in a patient with suspected cardiac sarcoidosis. Journal of Echocardiography, 2013, 11, 69-71.	0.4	1
76	Multiple mobile structures attached to the left ventricular wall in infective endocarditis. European Heart Journal, 2015, 36, 213-213.	1.0	1
77	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.	0.3	1
78	Real-time venography-guided extrathoracic puncture technique for cardiovascular implantable electronic device implantation. Heart and Vessels, 2022, 37, 91-98.	0.5	1
79	Nonculprit Lesion PCI in STEMI. JACC: Cardiovascular Interventions, 2022, 15, 667-669.	1.1	1
80	Long-Term Outcomes in Elderly Patients After Deferral of Coronary Revascularization Guided by Fractional Flow Reserve. Circulation Journal, 2022, , .	0.7	1
81	Effect of Atherectomy on Lesion Preparation in Heavily Calcified Coronary Artery Disease. Circulation Reports, 2022, 4, .	0.4	1
82	Vascular Response After Everolimus-Eluting Stent in Acute Myocardial Infarction Caused by Calcified Nodule. Circulation Journal, 2022, 86, 1388-1396.	0.7	1
83	European Society of Cardiology (ESC) Annual Congress Report From Munich 2018. Circulation Journal, 2018, 83, 18-24.	0.7	0
84	Authorâ€™s reply: careful statistical consideration to the inter-study reproducibility of iFR angio-coregistration. Journal of Cardiology, 2020, 76, 531-532.	0.8	0
85	Very late-phase vascular response after everolimus-eluting stent implantation assessed by optical coherence tomography. International Journal of Cardiovascular Imaging, 2020, 36, 1627-1635.	0.7	0
86	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.	0.6	0
87	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
88	Role of Optical Coherence Tomography in Optimizing Percutaneous Coronary Intervention. Journal of Coronary Artery Disease, 2019, 25, 52-59.	0.1	0
89	Diastolic Pressure Ratio and Resting Full Cycle Ratio Are Similar, But Not Exactly the Same. Circulation Journal, 2020, 84, 1059-1061.	0.7	0
90	1. Comprehensive Assessment of Ischemic Heart Disease. The Journal of the Japanese Society of Internal Medicine, 2021, 110, 196-203.	0.0	0

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91	Coronary Vasospasm Complicated by Intercoronary Communication. Circulation Journal, 2022, , .	0.7	0