

# Tomohito Ohtani

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

4,835  
citations

136950

32  
h-index

98798

67  
g-index

102  
all docs

102  
docs citations

102  
times ranked

5591  
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal definition and classification of heart failure: a report of the Heart Failure Society of America, Heart Failure Association of the European Society of Cardiology, Japanese Heart Failure Society and Writing Committee of the Universal Definition of Heart Failure. <i>European Journal of Heart Failure</i> , 2021, 23, 352-380.	7.1	630
2	JCS 2017/JHFS 2017 Guideline on Diagnosis and Treatment of Acute and Chronic Heart Failure—Digest Version. <i>Circulation Journal</i> , 2019, 83, 2084-2184.	1.6	446
3	Number of Yellow Plaques Detected in a Coronary Artery Is Associated With Future Risk of Acute Coronary Syndrome. <i>Journal of the American College of Cardiology</i> , 2006, 47, 2194-2200.	2.8	398
4	Assessment of plaque vulnerability by angioscopic classification of plaque color. <i>American Heart Journal</i> , 2004, 148, 333-335.	2.7	396
5	Universal Definition and Classification of Heart Failure. <i>Journal of Cardiac Failure</i> , 2021, 27, 387-413.	1.7	362
6	Sildenafil and B-Type Natriuretic Peptide Acutely Phosphorylate Titin and Improve Diastolic Distensibility In Vivo. <i>Circulation</i> , 2011, 124, 2882-2891.	1.6	162
7	Diastolic stiffness as assessed by diastolic wall strain is associated with adverse remodelling and poor outcomes in heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2012, 33, 1742-1749.	2.2	110
8	AT1 Receptor Blocker Added to ACE Inhibitor Provides Benefits at Advanced Stage of Hypertensive Diastolic Heart Failure. <i>Hypertension</i> , 2004, 43, 686-691.	2.7	109
9	Heart Failure Association of the ESC, Heart Failure Society of America and Japanese Heart Failure Society Position statement on endomyocardial biopsy. <i>European Journal of Heart Failure</i> , 2021, 23, 854-871.	7.1	105
10	Elevated cardiac tissue level of aldosterone and mineralocorticoid receptor in diastolic heart failure: beneficial effects of mineralocorticoid receptor blocker. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R946-R954.	1.8	98
11	Distal Protection Improved Reperfusion and Reduced Left Ventricular Dysfunction in Patients With Acute Myocardial Infarction Who Had Angioscopically Defined Ruptured Plaque. <i>Circulation</i> , 2005, 112, 1001-1007.	1.6	95
12	Tocilizumab for the Treatment of Patients With Refractory Takayasu Arteritis. <i>International Heart Journal</i> , 2013, 54, 405-411.	1.0	78
13	Usefulness of Transient Elastography for Noninvasive and Reliable Estimation of Right-Sided Filling Pressure in Heart Failure. <i>American Journal of Cardiology</i> , 2014, 113, 552-558.	1.6	78
14	Liver Stiffness Reflecting Right-Sided Filling Pressure Can Predict Adverse Outcomes in Patients With Heart Failure. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 955-964.	5.3	77
15	Mineralocorticoid Accelerates Transition to Heart Failure With Preserved Ejection Fraction Via $\alpha$ -Nongenomic Effects. <i>Circulation</i> , 2010, 122, 370-378.	1.6	74
16	Interleukin-16 Promotes Cardiac Fibrosis and Myocardial Stiffening in Heart Failure with Preserved Ejection Fraction. <i>PLoS ONE</i> , 2013, 8, e68893.	2.5	72
17	Endovascular Aortic Repair Increases Vascular Stiffness and Alters Cardiac Structure and Function. <i>Circulation Journal</i> , 2014, 78, 322-328.	1.6	69
18	Coronary endothelial dysfunction in the insulin-resistant state is linked to abnormal pteridine metabolism and vascular oxidative stress. <i>Journal of the American College of Cardiology</i> , 2001, 38, 1821-1828.	2.8	68

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19	Noninvasive Assessment of Wall Distensibility With the Evaluation of Diastolic Epicardial Movement. <i>Journal of Cardiac Failure</i> , 2009, 15, 68-77.	1.7	61
20	Heart Failure With Preserved Ejection Fraction What is Known and Unknown. <i>Circulation Journal</i> , 2009, 73, 404-410.	1.6	52
21	ACE inhibitor and angiotensin II type 1 receptor blocker differently regulate ventricular fibrosis in hypertensive diastolic heart failure. <i>Journal of Hypertension</i> , 2005, 23, 393-400.	0.5	49
22	L-Carnitine prevents the development of ventricular fibrosis and heart failure with preserved ejection fraction in hypertensive heart disease. <i>Journal of Hypertension</i> , 2012, 30, 1834-1844.	0.5	49
23	Clinical Outcomes and Bioprosthetic Valve Function After Transcatheter Aortic Valve Implantation Under Dual Antiplatelet Therapy vs. Aspirin Alone. <i>Circulation Journal</i> , 2017, 81, 397-404.	1.6	45
24	Cardiac steroidogenesis and glucocorticoid in the development of cardiac hypertrophy during the progression to heart failure. <i>Journal of Hypertension</i> , 2009, 27, 1074-1083.	0.5	43
25	Beneficial effects of bisoprolol on the survival of hypertensive diastolic heart failure model rats. <i>European Journal of Heart Failure</i> , 2008, 10, 446-453.	7.1	42
26	Ca <sup>2+</sup> entry mode of Na <sup>+</sup> /Ca <sup>2+</sup> exchanger as a new therapeutic target for heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2012, 33, 1408-1416.	2.2	41
27	Non-Ischemic Heart Failure With Reduced Ejection Fraction Is Associated With Altered Intestinal Microbiota. <i>Circulation Journal</i> , 2018, 82, 1640-1650.	1.6	41
28	Impact of Body Size on Inferior Vena Cava Parameters for Estimating Right Atrial Pressure: A Need for Standardization?. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 1420-1427.	2.8	40
29	Abundant epicardial adipose tissue surrounding the left atrium predicts early rather than late recurrence of atrial fibrillation after catheter ablation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2015, 44, 31-37.	1.3	38
30	Therapeutic effects of angiotensin II type 1 receptor blocker at an advanced stage of hypertensive diastolic heart failure. <i>Journal of Hypertension</i> , 2007, 25, 455-461.	0.5	36
31	Ventricular Arterial Function and Coupling in the Adult Fontan Circulation. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	36
32	Prognostic factors for progression of early- and late-stage calcific aortic valve disease in Japanese: The Japanese Aortic Stenosis Study (JASS) Retrospective Analysis. <i>Hypertension Research</i> , 2010, 33, 269-274.	2.7	33
33	The intestinal microbiota and cardiovascular disease. <i>Cardiovascular Research</i> , 2019, 115, 1471-1486.	3.8	33
34	Feasibility of home-based cardiac rehabilitation using an integrated telerehabilitation platform in elderly patients with heart failure: A pilot study. <i>Journal of Cardiology</i> , 2021, 78, 66-71.	1.9	33
35	Anti-Remodeling Effects of Rapamycin in Experimental Heart Failure: Dose Response and Interaction with Angiotensin Receptor Blockade. <i>PLoS ONE</i> , 2013, 8, e81325.	2.5	33
36	Competing risks of heart failure with preserved ejection fraction in diabetic patients. <i>European Journal of Heart Failure</i> , 2011, 13, 664-669.	7.1	32

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37	An On-Chip RBC Deformability Checker Significantly Improves Velocity-Deformation Correlation. <i>Micromachines</i> , 2016, 7, 176.	2.9	31
38	Geometrical alignment for improving cell evaluation in a microchannel with application on multiple myeloma red blood cells. <i>RSC Advances</i> , 2014, 4, 45050-45058.	3.6	30
39	A novel heart failure mice model of hypertensive heart disease by angiotensin II infusion, nephrectomy, and salt loading. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1658-H1667.	3.2	29
40	Heart Failure Association, Heart Failure Society of America, and Japanese Heart Failure Society Position Statement on Endomyocardial Biopsy. <i>Journal of Cardiac Failure</i> , 2021, 27, 727-743.	1.7	29
41	Association between cardiac troponin T elevation and angiographic morphology of culprit lesion in patients with non- $\sigma$ ST-segment elevation acute coronary syndrome. <i>American Heart Journal</i> , 2005, 150, 227-233.	2.7	27
42	Nationwide Survey of Palliative Care for Patients With Heart Failure in Japan. <i>Circulation Journal</i> , 2018, 82, 1336-1343.	1.6	27
43	Different effects of long- and short-acting loop diuretics on survival rate in Dahl high-salt heart failure model rats. <i>Cardiovascular Research</i> , 2005, 68, 118-127.	3.8	26
44	Transition From Asymptomatic Diastolic Dysfunction to Heart Failure With Preserved Ejection Fraction - Roles of Systolic Function and Ventricular Distensibility -. <i>Circulation Journal</i> , 2011, 75, 596-602.	1.6	25
45	Comprehensive metagenomic approach for detecting causative microorganisms in culture-negative infective endocarditis. <i>International Journal of Cardiology</i> , 2014, 172, e288-e289.	1.7	25
46	Optical coherence tomography and intravascular ultrasound evaluation of cardiac allograft vasculopathy with and without intimal neovascularization. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, jev110.	1.2	24
47	Sex-related differences in left ventricular diastolic function and arterial elastance during admission in patients with heart failure with preserved ejection fraction: The PURSUIT HFpEF study. <i>Clinical Cardiology</i> , 2018, 41, 1529-1536.	1.8	23
48	Left Ventricular Stiffening as Therapeutic Target for Heart Failure With Preserved Ejection Fraction. <i>Circulation Journal</i> , 2013, 77, 886-892.	1.6	22
49	Diabetic Retinopathy is Associated With Impaired Left Ventricular Relaxation. <i>Journal of Cardiac Failure</i> , 2011, 17, 556-560.	1.7	19
50	High Resolution Cell Positioning Based on a Flow Reduction Mechanism for Enhancing Deformability Mapping. <i>Micromachines</i> , 2014, 5, 1188-1201.	2.9	19
51	Impact of atrial fibrillation ablation on cardiac sympathetic nervous system in patients with and without heart failure. <i>International Journal of Cardiology</i> , 2015, 199, 65-70.	1.7	19
52	Long-term outcomes of autologous skeletal myoblast cell-sheet transplantation for end-stage ischemic cardiomyopathy. <i>Molecular Therapy</i> , 2021, 29, 1425-1438.	8.2	19
53	Long-term $\beta$ -blocker therapy improves diastolic function even without the therapeutic effect on systolic function in patients with reduced ejection fraction. <i>Journal of Cardiology</i> , 2010, 56, 176-182.	1.9	18
54	Cardiac AAV9 Gene Delivery Strategies in Adult Canines: Assessment by Long-term Serial SPECT Imaging of Sodium Iodide Symporter Expression. <i>Molecular Therapy</i> , 2015, 23, 1211-1221.	8.2	18

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55	Noninvasive Assessment of Diastolic Function in Subjects With Preserved Left Ventricular Ejection Fraction: Usefulness of Color Kinetic Imaging. <i>Journal of Cardiac Failure</i> , 2008, 14, 569-576.	1.7	17
56	Difference of Clinical Characteristics between Hypertensive Patients with and without Diastolic Heart Failure: The Roles of Diastolic Dysfunction and Renal Insufficiency. <i>Hypertension Research</i> , 2008, 31, 1865-1872.	2.7	17
57	Assessment of Quality of Life During Long-Term Treatment of Tolvaptan in Refractory Heart Failure. <i>International Heart Journal</i> , 2014, 55, 264-267.	1.0	16
58	Loss-of-function mutations in the co-chaperone protein BAG5 cause dilated cardiomyopathy requiring heart transplantation. <i>Science Translational Medicine</i> , 2022, 14, eabf3274.	12.4	16
59	Cytokine storm after cessation of tocilizumab in a patient with refractory Takayasu arteritis. <i>International Journal of Cardiology</i> , 2015, 187, 319-321.	1.7	13
60	Alpha-Klotho is a novel predictor of treatment responsiveness in patients with heart failure. <i>Scientific Reports</i> , 2021, 11, 2058.	3.3	11
61	Design of a nationwide survey on palliative care for end-stage heart failure in Japan. <i>Journal of Cardiology</i> , 2018, 71, 202-211.	1.9	10
62	Ratio of pulmonary artery diameter to ascending aortic diameter and severity of heart failure. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 1341-1350.	0.6	10
63	TRPM5 Negatively Regulates Calcium-Dependent Responses in Lipopolysaccharide-Stimulated B Lymphocytes. <i>Cell Reports</i> , 2020, 31, 107755.	6.4	10
64	A Development of Nucleic Chromatin Measurements as a New Prognostic Marker for Severe Chronic Heart Failure. <i>PLoS ONE</i> , 2016, 11, e0148209.	2.5	10
65	Initial report of bridge to recovery in a patient with DuraHeart LVAD. <i>Journal of Artificial Organs</i> , 2013, 16, 386-388.	0.9	9
66	JCS/JSCVS/JATS/JSVS 2021 Guideline on Implantable Left Ventricular Assist Device for Patients With Advanced Heart Failure. <i>Circulation Journal</i> , 2022, 86, 1024-1058.	1.6	9
67	Switching from carvedilol to bisoprolol ameliorates adverse effects in heart failure patients with dizziness or hypotension. <i>Journal of Cardiology</i> , 2013, 61, 417-422.	1.9	8
68	Interferon Therapy Exacerbated Pulmonary Hypertension in a Patient with Hepatitis C Virus Infection: Pathogenic Interplay among Multiple Risk Factors. <i>Internal Medicine</i> , 2017, 56, 1061-1065.	0.7	8
69	Color of culprit lesion at 6 months after plain old balloon angioplasty versus stenting in patients with acute myocardial infarction. <i>American Heart Journal</i> , 2004, 148, 842-846.	2.7	7
70	Self-terminated long-lasting ventricular fibrillation: What is the mechanism?. <i>Journal of Cardiology Cases</i> , 2014, 10, 136-139.	0.5	7
71	Clinical Significance of Pulmonary Arterial Capacitance Calculated by Echocardiography in Patients With Advanced Heart Failure. <i>Circulation Journal</i> , 2017, 81, 1871-1878.	1.6	7
72	Glucocorticoids Induce Cardiac Fibrosis via Mineralocorticoid Receptor in Oxidative Stress: Contribution of Elongation Factor Eleven-Nineteen Lysine-Rich Leukemia (ELL). <i>Yonago Acta Medica</i> , 2014, 57, 109-116.	0.7	7

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73	Cardiogenic shock caused by a left midventricular obstruction during refeeding in a patient with anorexia nervosa. <i>Nutrition</i> , 2017, 35, 148-150.	2.4	6
74	Possible associations between palliative care conferences and positive outcomes when performing palliative care for patients with end-stage heart failure: a nationwide cross-sectional questionnaire survey. <i>Heart and Vessels</i> , 2019, 34, 452-461.	1.2	5
75	Relationship of Central Venous Pressure to Body Fluid Volume Status and Its Prognostic Implication in Patients With Acute Decompensated Heart Failure. <i>Journal of Cardiac Failure</i> , 2020, 26, 15-23.	1.7	5
76	Successful treatment of drug-induced esophageal ulcer in a patient with chronic heart failure. <i>Medicine (United States)</i> , 2018, 97, e13380.	1.0	3
77	Variability in estimated glomerular filtration rate and patients' outcomes in a real-world heart failure population. <i>ESC Heart Failure</i> , 2021, , .	3.1	3
78	Coronary angiography revealing ruptured plaque and thrombus causing acute anterior myocardial infarction with a subsequent acute inferior myocardial infarction "a case report. <i>International Journal of Angiology</i> , 2005, 14, 34-36.	0.6	2
79	Usefulness of Overlapping of the E and A Waves of the Transmitral Flow as a Predictor of Responders to Cardiac Resynchronization Therapy. <i>American Journal of Cardiology</i> , 2013, 111, 1613-1618.	1.6	2
80	How to Measure Cellular Shear Modulus Inside a Chip: Detailed Correspondence to the Fluid-Structure Coupling Analysis. , 2019, , .		2
81	Mechanism of Good Back-up Support With a Deep-Seated Guiding Catheter During Percutaneous Coronary Intervention. <i>Circulation Journal</i> , 2019, 83, 1763.	1.6	2
82	Rapidly Progressive Heart Failure in a Female Carrier of Becker Muscular Dystrophy with No Skeletal Muscle Symptoms. <i>Internal Medicine</i> , 2019, 58, 2545-2549.	0.7	2
83	Coronary Atherosclerosis and Acute Coronary Syndrome: New Insights from Angioscopic Viewpoints. <i>Vascular Disease Prevention</i> , 2004, 1, 53-57.	0.2	2
84	On-chip RBC deformability checker embedded with vision analyzer. , 2017, , .		2
85	Heart Failure With Preserved Ejection Fraction: Is it Due to Contractile Dysfunction?: Reply. <i>Circulation Journal</i> , 2009, 73, 1170.	1.6	1
86	The usefulness of nifekalant for activation mapping of premature beat-triggered atrial fibrillation: Suppression of atrial fibrillation initiation without inhibiting premature beat. <i>Journal of Arrhythmia</i> , 2014, 30, 513-514.	1.2	1
87	Transtubular Potassium Concentration Gradient as a Surrogate Measure of Arterial Underfilling in Acute Decompensated Heart Failure. <i>Circulation Journal</i> , 2016, 80, 1965-1970.	1.6	1
88	European Society of Cardiology (ESC) Annual Congress Report From Rome 2016. <i>Circulation Journal</i> , 2016, 80, 2282-2286.	1.6	1
89	Abdominal admittance helps to predict the amount of fluid accumulation in patients with acute heart failure syndromes. <i>Journal of Cardiology</i> , 2016, 67, 352-357.	1.9	1
90	Successful treatment of severe combined post- and pre-capillary pulmonary hypertension in a patient with idiopathic restrictive cardiomyopathy. <i>Pulmonary Circulation</i> , 2018, 8, 1-5.	1.7	1

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91	On-Chip Dynamic Mechanical Measurement. , 2019, , .		1
92	InÂVivo Intracoronary Imaging Assessment of Cardiac Allograft Vasculopathy With Histopathologic Confirmation. JACC: Cardiovascular Interventions, 2020, 13, 2305-2307.	2.9	1
93	Diagnostic performance of coronary angiography utilizing intraprocedural 320-row computed tomography with minimal contrast medium. Heart and Vessels, 2020, 35, 1341-1348.	1.2	1
94	Comparison of Intravascular Ultrasound and Optical Coherence Tomography Images of Calcified Lesions During Rotational Atherectomy. JACC: Cardiovascular Interventions, 2021, 14, 474-475.	2.9	1
95	Focal severe decrease in myocardial technetium-99 m sestamibi uptake indicates ventricular irreversibility in patients with dilated cardiomyopathy. Annals of Nuclear Medicine, 2021, 35, 881-888.	2.2	1
96	Pathophysiological evaluations of initial plaque development after heart transplantation via serial multimodality imaging and cytokine assessments. Journal of Heart and Lung Transplantation, 2022, , .	0.6	1
97	Early Detection of Worsening Heart Failure in Patients at Home Using a New Telemonitoring System of Respiratory Stability. Circulation Journal, 2022, 86, 1081-1091.	1.6	1
98	Statin Therapy in Patients With Heart Failure and Preserved Left Ventricular Function: Reply. Circulation Journal, 2009, 73, 1360.	1.6	0
99	&lt;i>Capnocytophaga ochracea&/i>-related Bacterium Bacteremia in a Hypertrophic Cardiomyopathy Patient without Neutropenia. Internal Medicine, 2016, 55, 2731-2735.	0.7	0
100	Differences in routes of guiding catheters for left coronary artery according to access sites assessed by the combined angiography-computed tomography system. Cardiovascular Intervention and Therapeutics, 2021, 36, 298-306.	2.3	0
101	Dynamic Nature of Nodular Calcification in Cardiac Allograft Vasculopathy. JACC: Cardiovascular Interventions, 2021, 14, 1378-1380.	2.9	0
102	Polycythemia Vera Associated with Pulmonary Hypertension and Diffuse Large B-Cell Lymphoma: A Case Report. American Journal of Case Reports, 2021, 22, e932956.	0.8	0