Yoshinori Katsumata

List of Publications by Year
in descending order

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116 papers	3,334 citations	201674 27 h-index	161849 54 g-index
117 all docs	117 docs citations	117 times ranked	5642 citing authors

#	Article	IF	Citations
1	Temporal dynamics of cardiac immune cell accumulation following acute myocardial infarction. Journal of Molecular and Cellular Cardiology, 2013, 62, 24-35.	1.9	447
2	Induction of Cardiomyocyte-Like Cells in Infarct Hearts by Gene Transfer of Gata4, Mef2c, and Tbx5. Circulation Research, 2012, 111, 1147-1156.	4.5	246
3	Obesity accelerates T cell senescence in murine visceral adipose tissue. Journal of Clinical Investigation, 2016, 126, 4626-4639.	8.2	207
4	Anatomical characteristics of the left atrial appendage in cardiogenic stroke with low CHADS2 scores. Heart Rhythm, 2013, 10, 921-925.	0.7	153
5	Adventitial CXCL1/G-CSF Expression in Response to Acute Aortic Dissection Triggers Local Neutrophil Recruitment and Activation Leading to Aortic Rupture. Circulation Research, 2015, 116, 612-623.	4.5	150
6	IL (Interleukin)-10â€“STAT3â€“Galectin-3 Axis Is Essential for Osteopontin-Producing Reparative Macrophage Polarization After Myocardial Infarction. Circulation, 2018, 138, 2021-2035.	1.6	138
7	Metabolic Remodeling Induced by Mitochondrial Aldehyde Stress Stimulates Tolerance to Oxidative Stress in the Heart. Circulation Research, 2009, 105, 1118-1127.	4.5	129
8	4-Hydroxy-2-nonenal protects against cardiac ischemiaâ€“reperfusion injury via the Nrf2-dependent pathway. Journal of Molecular and Cellular Cardiology, 2010, 49, 576-586.	1.9	128
9	Deleterious Effect of the ILâ€23/ILâ€17A Axis and Î³ÎT Cells on Left Ventricular Remodeling After Myocardial Infarction. Journal of the American Heart Association, 2012, 1, e004408.	3.7	127
10	Caloric Restriction Primes Mitochondria for Ischemic Stress by Deacetylating Specific Mitochondrial Proteins of the Electron Transport Chain. Circulation Research, 2011, 109, 396-406.	4.5	83
11	Endogenous Prostaglandin D ₂ and Its Metabolites Protect the Heart Against Ischemiaâ€“Reperfusion Injury by Activating Nrf2. Hypertension, 2014, 63, 80-87.	2.7	79
12	Artificial intelligence to predict needs for urgent revascularization from 12-leads electrocardiography in emergency patients. PLoS ONE, 2019, 14, e0210103.	2.5	62
13	The Effects of Hydrogen Gas Inhalation on Adverse Left Ventricular Remodeling After Percutaneous Coronary Intervention for ST-Elevated Myocardial Infarctionã€€â€• First Pilot Study in Humans â€•. Circulation Journal, 2017, 81, 940-947.	1.6	58
14	PGD2-CRTH2 Pathway Promotes Tubulointerstitial Fibrosis. Journal of the American Society of Nephrology: JASN, 2012, 23, 1797-1809.	6.1	47
15	Visualization of in vivo metabolic flows reveals accelerated utilization of glucose and lactate in penumbra of ischemic heart. Scientific Reports, 2016, 6, 32361.	3.3	47
16	Realâ€Time Analysis of the Heart Rate Variability During Incremental Exercise for the Detection of the Ventilatory Threshold. Journal of the American Heart Association, 2018, 7, .	3.7	42
17	Serum Inflammation Markers Predicting Successful Initial Catheter Ablation for Atrial Fibrillation. Heart Lung and Circulation, 2014, 23, 636-643.	0.4	41
18	Efficacy and safety of bepridil for prevention of ICD shocks in patients with Brugada syndrome and idiopathic ventricular fibrillation. International Journal of Cardiology, 2013, 168, 5083-5085.	1.7	38

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19	Imeglimin prevents heart failure with preserved ejection fraction by recovering the impaired unfolded protein response in mice subjected to cardiometabolic stress. Biochemical and Biophysical Research Communications, 2021, 572, 185-190.	2.1	38
20	Activation of pyruvate dehydrogenase by dichloroacetate has the potential to induce epigenetic remodeling in the heart. Journal of Molecular and Cellular Cardiology, 2015, 82, 116-124.	1.9	37
21	MITOL/MARCH5 determines the susceptibility of cardiomyocytes to doxorubicin-induced ferroptosis by regulating GSH homeostasis. Journal of Molecular and Cellular Cardiology, 2021, 161, 116-129.	1.9	36
22	Assessment of Sex Differences in the Initial Symptom Burden, Applied Treatment Strategy, and Quality of Life in Japanese Patients With Atrial Fibrillation. JAMA Network Open, 2019, 2, e191145.	5.9	33
23	Predictive factors of lead failure in patients implanted with cardiac devices. International Journal of Cardiology, 2015, 199, 277-281.	1.7	31
24	A novel device for detecting anaerobic threshold using sweat lactate during exercise. Scientific Reports, 2021, 11, 4929.	3.3	31
25	Promising novel therapy with hydrogen gas for emergency and critical care medicine. Acute Medicine & Surgery, 2018, 5, 113-118.	1.2	30
26	Indispensable role of endothelial nitric oxide synthase in caloric restriction-induced cardioprotection against ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H894-H903.	3.2	29
27	Cardiac Sirt1 mediates the cardioprotective effect of caloric restriction by suppressing local complement system activation after ischemia-reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1003-H1014.	3.2	28
28	Negative legacy of obesity. PLoS ONE, 2017, 12, e0186303.	2.5	27
29	Endothelialâ€“Mesenchymal Transition Drives Expression of CD44 Variant and xCT in Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 367-379.	2.9	27
30	Asymptomatic Cerebral Infarction During Catheter Ablation for Atrial Fibrillation. JACC: Clinical Electrophysiology, 2018, 4, 1598-1609.	3.2	25
31	Poor outcomes in carriers of the RNF213 variant (p.Arg4810Lys) with pulmonary arterial hypertension. Journal of Heart and Lung Transplantation, 2020, 39, 103-112.	0.6	25
32	MerTK Expression and ERK Activation Are Essential for the Functional Maturation of Osteopontinâ€Producing Reparative Macrophages After Myocardial Infarction. Journal of the American Heart Association, 2020, 9, e017071.	3.7	25
33	Pharmacokinetics of a single inhalation of hydrogen gas in pigs. PLoS ONE, 2020, 15, e0234626.	2.5	25
34	Lung Natural Killer Cells Play a Major Counter-Regulatory Role in Pulmonary Vascular Hyperpermeability After Myocardial Infarction. Circulation Research, 2014, 114, 637-649.	4.5	24
35	A Cluster Analysis of the Japanese Multicenter Outpatient Registry of Patients With Atrial Fibrillation. American Journal of Cardiology, 2019, 124, 871-878.	1.6	24
36	Biphasic Time Course of the Changes in Aldosterone Biosynthesis Under High-Salt Conditions in Dahl Salt-Sensitive Rats. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1194-1203.	2.4	23

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37	Decrease in membrane phospholipids unsaturation correlates with myocardial diastolic dysfunction. PLoS ONE, 2018, 13, e0208396.	2.5	22
38	Hydrogen Gas Inhalation Attenuates Endothelial Glycocalyx Damage and Stabilizes Hemodynamics in a Rat Hemorrhagic Shock Model. Shock, 2020, 54, 377-385.	2.1	20
39	Pulmonary Artery Denervation by Determining Targeted Ablation Sites for Treatment of Pulmonary Arterial Hypertension. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	19
40	Feasibility of the deep learning method for estimating the ventilatory threshold with electrocardiography data. Npj Digital Medicine, 2020, 3, 141.	10.9	19
41	Operator-blinded contact force monitoring during pulmonary vein isolation using conventional and steerable sheaths. International Journal of Cardiology, 2014, 177, 970-976.	1.7	18
42	Clinical characteristics of atrial fibrillation detected by implanted devices and its association with ICD therapy. International Journal of Cardiology, 2014, 172, e529-e530.	1.7	18
43	Optimal conditions for cardiac catheter ablation using photodynamic therapy. Europace, 2015, 17, 1309-1315.	1.7	18
44	Palmitate induces cardiomyocyte death via inositol requiring enzyme-1 (IRE1)-mediated signaling independent of X-box binding protein 1 (XBP1). Biochemical and Biophysical Research Communications, 2020, 526, 122-127.	2.1	18
45	H2 Inhibits the Formation of Neutrophil Extracellular Traps. JACC Basic To Translational Science, 2022, 7, 146-161.	4.1	18
46	Prevalence and clinical characteristics of obstructive- and central-dominant sleep apnea in candidates of catheter ablation for atrial fibrillation in Japan. International Journal of Cardiology, 2018, 260, 99-102.	1.7	16
47	Electrical superior vena cava isolation using photodynamic therapy in a canine model. Europace, 2016, 18, 294-300.	1.7	15
48	Sexâ€Dependent Phenotypic Variability of an SCN5A Mutation: Brugada Syndrome and Sick Sinus Syndrome. Journal of the American Heart Association, 2018, 7, e009387.	3.7	15
49	Genomic Comparison With Supercentenarians Identifies RNF213 as a Risk Gene for Pulmonary Arterial Hypertension. Circulation Genomic and Precision Medicine, 2018, 11, e002317.	3.6	14
50	Daily inhalation of hydrogen gas has a blood pressure-lowering effect in a rat model of hypertension. Scientific Reports, 2020, 10, 20173.	3.3	14
51	Treatment strategies and subsequent changes in the patient-reported quality-of-life among elderly patients with atrial fibrillation. American Heart Journal, 2020, 222, 83-92.	2.7	14
52	Diagnostic Accuracy of Commercially Available Automated External Defibrillators. Journal of the American Heart Association, 2015, 4, .	3.7	13
53	Importance of the vein of Marshall involvement in mitral isthmus ablation. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 617-624.	1.2	13
54	Pharmacokinetics of hydrogen after ingesting a hydrogen-rich solution: A study in pigs. Heliyon, 2021, 7, e08359.	3.2	13

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55	Omega-3 fatty acid epoxides produced by PAF-AH2 in mast cells regulate pulmonary vascular remodeling. Nature Communications, 2022, 13, .	12.8	13
56	Improvement in the electrocardiograms associated with right ventricular hypertrophy after balloon pulmonary angioplasty in chronic thromboembolic pulmonary hypertension. IJC Heart and Vasculature, 2018, 19, 75-82.	1.1	12
57	Sirt1 counteracts decrease in membrane phospholipid unsaturation and diastolic dysfunction during saturated fatty acid overload. Journal of Molecular and Cellular Cardiology, 2019, 133, 1-11.	1.9	12
58	Discrepancy in recognition of symptom burden among patients with atrial fibrillation. American Heart Journal, 2020, 226, 240-249.	2.7	12
59	Assessment of atrial fibrillation ablation outcomes with clinic ECG, monthly 24-h Holter ECG, and twice-daily telemonitoring ECG. Heart and Vessels, 2017, 32, 317-325.	1.2	11
60	Evaluation of Differences in Automated QT/QTc Measurements between Fukuda Denshi and Nihon Koden Systems. PLoS ONE, 2014, 9, e106947.	2.5	10
61	TNFRSF13B c.226G>A (p.Gly76Ser) as a Novel Causative Mutation for Pulmonary Arterial Hypertension. Journal of the American Heart Association, 2021, 10, e019245.	3.7	10
62	Laminar flow ventilation system to prevent airborne infection during exercise in the COVID-19 crisis: A single-center observational study. PLoS ONE, 2021, 16, e0257549.	2.5	10
63	Effect of Compliance to Updated AHA/ACC Performance and Quality Measures Among Patients With Atrial Fibrillation on Outcome (from Japanese Multicenter Registry). American Journal of Cardiology, 2017, 120, 595-600.	1.6	9
64	Exercise tolerance and quality of life in hemodynamically partially improved patients with chronic thromboembolic pulmonary hypertension treated with balloon pulmonary angioplasty. PLoS ONE, 2021, 16, e0255180.	2.5	9
65	Low-Flow Nasal Cannula Hydrogen Therapy. Journal of Clinical Medicine Research, 2020, 12, 674-680.	1.2	9
66	Visualization of the left atrial appendage by phased-array intracardiac echocardiography from the pulmonary artery in patients with atrial fibrillation. Europace, 2015, 17, 546-551.	1.7	8
67	Effect of Nocturnal Intermittent Hypoxia on Left Atrial Appendage Flow Velocity in Atrial Fibrillation. Canadian Journal of Cardiology, 2015, 31, 846-852.	1.7	8
68	A cost-utility analysis for catheter ablation of atrial fibrillation in combination with warfarin and dabigatran based on the CHADS 2 score in Japan. Journal of Cardiology, 2017, 69, 89-97.	1.9	8
69	Adrenal cortex hypoxia modulates aldosterone production in heart failure. Biochemical and Biophysical Research Communications, 2020, 524, 184-189.	2.1	8
70	Storms of Ventricular Fibrillation Responsive to Isoproterenol in an Idiopathic Ventricular Fibrillation Patient Demonstrating Complete Right Bundle Branch Block. International Heart Journal, 2013, 54, 240-242.	1.0	7
71	An RyR2 mutation found in a family with a short-coupled variant of torsade de pointes. International Journal of Cardiology, 2017, 227, 367-369.	1.7	7
72	Real-world monitoring of direct oral anticoagulants in clinic and hospitalization settings. SAGE Open Medicine, 2017, 5, 205031211773477.	1.8	7

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73	A high BNP level predicts an improvement in exercise tolerance after a successful catheter ablation of persistent atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2019, 30, 2283-2290.	1.7	7
74	Kinetic changes in sweat lactate following fatigue during constant workload exercise. Physiological Reports, 2022, 10, e15169.	1.7	7
75	Comparison of circadian, weekly, and seasonal variations of electrical storms and single events of ventricular fibrillation in patients with Brugada syndrome. IJC Heart and Vasculature, 2016, 11, 104-110.	1.1	6
76	Influence of long term administration of tofogliflozin on chronic inflammation of visceral adipose tissue in mice with obesity induced by a high-fat diet. PLoS ONE, 2019, 14, e0211387.	2.5	6
77	Peripheral pulmonary stenosis with Noonan syndrome treated by balloon pulmonary angioplasty. Pulmonary Circulation, 2020, 10, 204589402095431.	1.7	6
78	Qualitative and Quantitative Effects of Fatty Acids Involved in Heart Diseases. Metabolites, 2022, 12, 210.	2.9	6
79	A Novel SCN5A Mutation Found in a Familial Case of Long QT Syndrome Complicated by Severe Left Ventricular Dysfunction. Canadian Journal of Cardiology, 2017, 33, 554.e5-554.e7.	1.7	5
80	Discrepancy between patient-reported quality of life and the prognostic assessment of Japanese patients hospitalized with acute heart failure. Heart and Vessels, 2019, 34, 1464-1470.	1.2	5
81	Pressure overload inhibits glucocorticoid receptor transcriptional activity in cardiomyocytes and promotes pathological cardiac hypertrophy. Journal of Molecular and Cellular Cardiology, 2019, 130, 122-130.	1.9	5
82	Electrical Isolation of the Marshall Bundle by Radiofrequency Catheter Ablation. JACC: Clinical Electrophysiology, 2020, 6, 1647-1657.	3.2	5
83	Baseline and Postprocedural Health Status Outcomes in Contemporary Patients With Atrial Fibrillation Who Underwent Catheter Ablation: A Report from the Japanese Outpatient Registry. Journal of the American Heart Association, 2021, 10, e019983.	3.7	5
84	Frequent nightmares and its associations with psychological and sleep disturbances in hospitalized patients with cardiovascular diseases. European Journal of Cardiovascular Nursing, 2021, 20, 421-427.	0.9	5
85	Effect of Tricuspid Regurgitation on the Reported Quality of Life and Subsequent Outcomes in Patients With Atrial Fibrillation. Journal of the American Heart Association, 2022, 11, e022713.	3.7	5
86	Incidence, Clinical Characteristics, and Long-term Outcome of the Dilated Phase of Hypertrophic Cardiomyopathy. Keio Journal of Medicine, 2018, 68, 87-94.	1.1	4
87	Visualization of the electrophysiologically defined junction between the superior vena cava and right atrium. Journal of Cardiovascular Electrophysiology, 2020, 31, 1964-1969.	1.7	4
88	Symptom Under-Recognition of Atrial Fibrillation Patients in Consideration for Catheter Ablation. JACC: Clinical Electrophysiology, 2021, 7, 565-574.	3.2	4
89	Sex differences in sleep and psychological disturbances among patients admitted for cardiovascular diseases. Sleep and Breathing, 2022, , 1.	1.7	4
90	Pericardial Endoscopyâ€“Guided Left Atrial Appendage Ligation. Circulation: Cardiovascular Interventions, 2014, 7, 844-850.	3.9	3

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91	The Durability of Atrial Fibrillation Ablation Using an Oesophageal Temperature Cut-Off of 38 Â°C. Heart Lung and Circulation, 2019, 28, 1050-1058.	0.4	3
92	Anatomical changes in the pulmonary veins and left atrium after cryoballoon ablation. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 1289-1294.	1.2	3
93	Symptom burden and treatment perception in patients with atrial fibrillation, with and without a family history of atrial fibrillation. Heart and Vessels, 2021, 36, 267-276.	1.2	3
94	Psychological disturbances and their association with sleep disturbances in patients admitted for cardiovascular diseases. PLoS ONE, 2021, 16, e0244484.	2.5	3
95	Thoracic impedance as a therapeutic marker of acute decompensated heart failure. International Journal of Cardiology, 2014, 174, 840-842.	1.7	2
96	Risk factors for early replacement of cardiovascular implantable electronic devices. International Journal of Cardiology, 2015, 178, 99-101.	1.7	2
97	The absence of a left atrial appendage in a patient with paroxysmal atrial fibrillation with a persistent left superior vena cava. European Heart Journal Cardiovascular Imaging, 2017, 18, jew227.	1.2	2
98	Successful Surgical Treatment Combined With Infliximab in a Patient With Acute Aortic Regurgitation Caused by BehÃ§et Disease. Canadian Journal of Cardiology, 2020, 36, 1161.e3-1161.e5.	1.7	2
99	Mexiletine shortens the QT interval in a pedigree of KCNH2 related long QT syndrome. Journal of Arrhythmia, 2020, 36, 193-196.	1.2	2
100	Time-Series Transcriptome Analysis Reveals the miR-27a-5p-<i>Ppm1l</i> Axis as a New Pathway Regulating Macrophage Alternative Polarization After Myocardial Infarction. Circulation Journal, 2021, 85, 929-938.	1.6	2
101	Mitral isthmus ablation using a circular mapping catheter positioned in the left atrial appendage as a reference for conduction block. Oncotarget, 2017, 8, 52724-52734.	1.8	2
102	Catheter ablation improves outcomes and quality of life in Japanese patients with early-stage atrial fibrillation: A retrospective cohort study. Heart Rhythm, 2022, 19, 1076-1083.	0.7	2
103	Thrombus Formation in the Left Atrial Appendage During Catheter Ablation for Atrial Fibrillation Under Sufficient Heparinization. Canadian Journal of Cardiology, 2014, 30, 465.e5-465.e6.	1.7	1
104	Response by Fujisawa et al to Letter Regarding Article, â€œPulmonary Artery Denervation by Determining Targeted Ablation Sites for Treatment of Pulmonary Arterial Hypertensionâ€• Circulation: Cardiovascular Interventions, 2018, 11, e006244.	3.9	1
105	Development of monomorphic ventricular tachycardia in a patient with feverâ€induced Brugada syndrome. Journal of Arrhythmia, 2018, 34, 465-468.	1.2	1
106	Autoimmune hypophysitis as a cause of adrenocorticotropic hormone deficiency in pulmonary arterial hypertension: a case report. European Heart Journal - Case Reports, 2021, 5, ytab117.	0.6	1
107	Exercise prescription using an insertable cardiac monitor in a patient with catecholaminergic polymorphic ventricular tachycardia. HeartRhythm Case Reports, 2021, 8, 17-21.	0.4	1
108	Implications of QRS Prolongation in Patients With Atrial Fibrillation (from a Multicenter Outpatient) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	1

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109	Frequent long-distance flyerâ€™s undesirable mileage: an organized giant thrombus stuck in PFO. Journal of Thrombosis and Thrombolysis, 2012, 33, 296-298.	2.1	0
110	COMPLIANCE TO UPDATED AHA/ACC QUALITY MEASURES AMONG PATIENTS WITH ATRIAL FIBRILLATION IN JAPAN AND ITS ASSOCIATION WITH THEIR QUALITY OF LIFE. Journal of the American College of Cardiology, 2017, 69, 538.	2.8	0
111	Author's reply: Atrial fibrillation and sleep apnea: A chicken and egg situation. International Journal of Cardiology, 2018, 270, 187.	1.7	0
112	Successful percutaneous extraction of a remnant floating pacemaker lead. BMJ Case Reports, 2021, 14, e243128.	0.5	0
113	Pharmacokinetics of a single inhalation of hydrogen gas in pigs. , 2020, 15, e0234626.		0
114	Pharmacokinetics of a single inhalation of hydrogen gas in pigs. , 2020, 15, e0234626.		0
115	Pharmacokinetics of a single inhalation of hydrogen gas in pigs. , 2020, 15, e0234626.		0
116	Pharmacokinetics of a single inhalation of hydrogen gas in pigs. , 2020, 15, e0234626.		0