

Tomomi Ide

List of Publications by Year in descending order

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78
papers

4,044
citations

201674

27
h-index

118850

62
g-index

81
all docs

81
docs citations

81
times ranked

4852
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial DNA Damage and Dysfunction Associated With Oxidative Stress in Failing Hearts After Myocardial Infarction. <i>Circulation Research</i> , 2001, 88, 529-535.	4.5	625
2	Direct Evidence for Increased Hydroxyl Radicals Originating From Superoxide in the Failing Myocardium. <i>Circulation Research</i> , 2000, 86, 152-157.	4.5	389
3	Mitochondria-dependent ferroptosis plays a pivotal role in doxorubicin cardiotoxicity. <i>JCI Insight</i> , 2020, 5, .	5.0	345
4	Treatment With Dimethylthiourea Prevents Left Ventricular Remodeling and Failure After Experimental Myocardial Infarction in Mice. <i>Circulation Research</i> , 2000, 87, 392-398.	4.5	314
5	Greater Oxidative Stress in Healthy Young Men Compared With Premenopausal Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 438-442.	2.4	276
6	JCS 2016 Guideline on Diagnosis and Treatment of Cardiac Sarcoidosis—Digest Version. <i>Circulation Journal</i> , 2019, 83, 2329-2388.	1.6	237
7	Enhanced Generation of Reactive Oxygen Species in the Limb Skeletal Muscles From a Murine Infarct Model of Heart Failure. <i>Circulation</i> , 2001, 104, 134-136.	1.6	115
8	Overexpression of TFAM or Twinkle Increases mtDNA Copy Number and Facilitates Cardioprotection Associated with Limited Mitochondrial Oxidative Stress. <i>PLoS ONE</i> , 2015, 10, e0119687.	2.5	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	TRPC3 positively regulates reactive oxygen species driving maladaptive cardiac remodeling. <i>Scientific Reports</i> , 2016, 6, 37001.	3.3	80
11	JCS/JHFS 2021 Guideline Focused Update on Diagnosis and Treatment of Acute and Chronic Heart Failure. <i>Circulation Journal</i> , 2021, 85, 2252-2291.	1.6	80
12	8-Oxo-dGTPase, Which Prevents Oxidative Stress-Induced DNA Damage, Increases in the Mitochondria From Failing Hearts. <i>Circulation</i> , 2001, 104, 2883-2885.	1.6	79
13	Amiodarone Protects Cardiac Myocytes Against Oxidative Injury by its Free Radical Scavenging Action. <i>Circulation</i> , 1999, 100, 690-692.	1.6	73
14	Development of an online two-dimensional high-performance liquid chromatographic system in combination with tandem mass spectrometric detection for enantiomeric analysis of free amino acids in human physiological fluid. <i>Journal of Chromatography A</i> , 2018, 1570, 91-98.	3.7	65
15	Purinergic P2Y ₆ receptors heterodimerize with angiotensin AT1 receptors to promote angiotensin II-induced hypertension. <i>Science Signaling</i> , 2016, 9, ra7.	3.6	63
16	TRPC3-GEF-H1 axis mediates pressure overload-induced cardiac fibrosis. <i>Scientific Reports</i> , 2016, 6, 39383.	3.3	60
17	JCS/JHFS 2021 Guideline Focused Update on Diagnosis and Treatment of Acute and Chronic Heart Failure. <i>Journal of Cardiac Failure</i> , 2021, 27, 1404-1444.	1.7	60
18	Clinical Characteristics and Outcomes of Hospitalized Patients With Heart Failure From the Large-Scale Japanese Registry Of Acute Decompensated Heart Failure (JROADHF). <i>Circulation Journal</i> , 2021, 85, 1438-1450.	1.6	57

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19	Human mitochondrial transcriptional factor A breaks the mitochondria-mediated vicious cycle in Alzheimer's disease. <i>Scientific Reports</i> , 2016, 6, 37889.	3.3	56
20	Induction of Cardiac Fibrosis by β -Blocker in G Protein-independent and G Protein-coupled Receptor Kinase 5/ β -Arrestin2-dependent Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2012, 287, 35669-35677.	3.4	52
21	TRPC3-Nox2 complex mediates doxorubicin-induced myocardial atrophy. <i>JCI Insight</i> , 2017, 2, .	5.0	50
22	JCS/JHFS 2018 Guideline on the Diagnosis and Treatment of Cardiomyopathies. <i>Circulation Journal</i> , 2021, 85, 1590-1689.	1.6	45
23	The Akt-mTOR axis is a pivotal regulator of eccentric hypertrophy during volume overload. <i>Scientific Reports</i> , 2015, 5, 15881.	3.3	41
24	Ivabradine for the Treatment of Cardiovascular Diseases. <i>Circulation Journal</i> , 2019, 83, 252-260.	1.6	41
25	Roxadustat Markedly Reduces Myocardial Ischemia Reperfusion Injury in Mice. <i>Circulation Journal</i> , 2020, 84, 1028-1033.	1.6	39
26	Alteration of circadian machinery in monocytes underlies chronic kidney disease-associated cardiac inflammation and fibrosis. <i>Nature Communications</i> , 2021, 12, 2783.	12.8	35
27	Triglyceride deposit cardiomyovasculopathy: a rare cardiovascular disorder. <i>Orphanet Journal of Rare Diseases</i> , 2019, 14, 134.	2.7	34
28	Blockade of L-type Ca^{2+} channel attenuates doxorubicin-induced cardiomyopathy via suppression of CaMKII-NF- κ B pathway. <i>Scientific Reports</i> , 2019, 9, 9850.	3.3	30
29	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
30	Total Mechanical Unloading Minimizes Metabolic Demand of Left Ventricle and Dramatically Reduces Infarct Size in Myocardial Infarction. <i>PLoS ONE</i> , 2016, 11, e0152911.	2.5	28
31	DPP (Dipeptidyl Peptidase)-4 Inhibitor Attenuates Ang II (Angiotensin II)-Induced Cardiac Hypertrophy via GLP (Glucagon-Like Peptide)-1-Dependent Suppression of Nox (Nicotinamide Adenine Dinucleotide) Tj ETQq 1.7 0.784314 rgBT	1.7	24
32	Home-based cardiac rehabilitation using information and communication technology for heart failure patients with frailty. <i>ESC Heart Failure</i> , 2022, 9, 2407-2418.	3.1	24
33	Twinkle overexpression prevents cardiac rupture after myocardial infarction by alleviating impaired mitochondrial biogenesis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H509-H519.	3.2	23
34	Recovery from left ventricular dysfunction was associated with the early introduction of heart failure medical treatment in cancer patients with anthracycline-induced cardiotoxicity. <i>Clinical Research in Cardiology</i> , 2019, 108, 600-611.	3.3	23
35	Enantioselective and simultaneous determination of lactate and 3-hydroxybutyrate in human plasma and urine using a narrow-bore online two-dimensional high-performance liquid chromatography system. <i>Journal of Separation Science</i> , 2018, 41, 1298-1306.	2.5	21
36	Establishment of a two-dimensional chiral HPLC system for the simultaneous detection of lactate and 3-hydroxybutyrate enantiomers in human clinical samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 116, 80-85.	2.8	19

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37	Machine learning-based model for predicting 1-year mortality of hospitalized patients with heart failure. <i>ESC Heart Failure</i> , 2021, 8, 4077-4085.	3.1	19
38	Outcome of patients with functional single ventricular heart after pacemaker implantation: What makes it poor, and what can we do?. <i>Heart Rhythm</i> , 2019, 16, 1870-1874.	0.7	18
39	Simple Risk Score to Predict Survival in Acute Decompensated Heart Failure. <i>Circulation Journal</i> , 2019, 83, 1019-1024.	1.6	15
40	Determination of Trace Amounts of Chiral Amino Acids in Complicated Biological Samples Using Two-Dimensional High-Performance Liquid Chromatography with an Innovative Shape-Fitting Peak Identification/Quantification Method. <i>Chromatography</i> , 2018, 39, 147-152.	1.7	14
41	Functional loss of DHRS7C induces intracellular Ca ²⁺ overload and myotube enlargement in C2C12 cells via calpain activation. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C29-C39.	4.6	13
42	Spironolactone use is associated with improved outcomes in heart failure with mid-range ejection fraction. <i>ESC Heart Failure</i> , 2020, 7, 336-344.	3.1	12
43	Quantification of myocardial oxygenation in heart failure using blood-oxygen-level-dependent T2* magnetic resonance imaging: Comparison with cardiopulmonary exercise test. <i>Magnetic Resonance Imaging</i> , 2017, 39, 138-143.	1.8	11
44	Carotid Body Denervation Markedly Improves Survival in Rats With Hypertensive Heart Failure. <i>American Journal of Hypertension</i> , 2017, 30, 791-798.	2.0	11
45	Diagnostic Criteria and Severity Score for Triglyceride Deposit Cardiomyovasculopathy. <i>Annals of Nuclear Cardiology</i> , 2018, 4, 94-100.	0.2	11
46	Fulminant necrotizing eosinophilic myocarditis after COVID-19 vaccination survived with mechanical circulatory support. <i>ESC Heart Failure</i> , 2022, 9, 2732-2737.	3.1	11
47	FDG-PET/CT for driveline infection in a patient with implantable left ventricular assist device. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, jev234.	1.2	10
48	Development of a Three-Dimensional HPLC System for the Simultaneous Determination of Lactate and 3-Hydroxybutyrate Enantiomers in Mammalian Urine. <i>Chromatography</i> , 2019, 40, 25-32.	1.7	10
49	Heart Rate Reduction with Ivabradine Prevents Cardiac Rupture after Myocardial Infarction in Mice. <i>Cardiovascular Drugs and Therapy</i> , 2022, 36, 257-262.	2.6	10
50	Impact of Hospital Practice Factors on Mortality in Patients Hospitalized for Heart Failure in Japan. An Analysis of a Large Number of Health Records From a Nationwide Claims-Based Database, the JROAD-DPC. <i>Circulation Journal</i> , 2020, 84, 742-753.	1.6	10
51	GFAT2 mediates cardiac hypertrophy through HBP-O-GlcNAcylation-Akt pathway. <i>IScience</i> , 2021, 24, 103517.	4.1	10
52	Cardioprotective effect of renin-angiotensin inhibitors and β -blockers in trastuzumab-related cardiotoxicity. <i>Clinical Research in Cardiology</i> , 2019, 108, 1128-1139.	3.3	9
53	Preoperative Threshold for Normalizing Right Ventricular Volume After Transcatheter Closure of Adult Atrial Septal Defect. <i>Circulation Journal</i> , 2020, 84, 1312-1319.	1.6	9
54	The Use of Angiotensin-Converting Enzyme Inhibitors or Angiotensin II Receptor Blockers Is Associated with the Recovered Ejection Fraction in Patients with Dilated Cardiomyopathy. <i>International Heart Journal</i> , 2021, 62, 801-810.	1.0	9

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55	Two-Dimensional High-Performance Liquid Chromatographic Determination of Chiral Amino Acids in Food Samples and Human Physiological Fluids Using Fluorescence Derivatization with 4-(2,6-Dimethylaminosulfonyl)-7-fluoro-2,1,3-benzoxadiazole. <i>Chromatography</i> , 2022, 43, 29-35.	1.7	9
56	Pulmonary arterial hypertension associated with hereditary hemorrhagic telangiectasia successfully treated with sildenafil. <i>International Journal of Cardiology</i> , 2016, 214, 275-276.	1.7	8
57	Elucidation of the Strongest Predictors of Cardiovascular Events in Patients with Heart Failure. <i>EBioMedicine</i> , 2018, 33, 185-195.	6.1	8
58	The impact of creating mathematical formula to predict cardiovascular events in patients with heart failure. <i>Scientific Reports</i> , 2018, 8, 3986.	3.3	7
59	Clinical Characteristics and Contemporary Management of Patients With Cardiomyopathies in Japan—Report From a National Registry of Clinical Personal Records. <i>Circulation Reports</i> , 2021, 3, 142-152.	1.0	7
60	Development of an off-line heart cutting two-dimensional HPLC system for enantioselective analysis of serine, threonine and allo-threonine in human physiological fluids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 217, 114807.	2.8	7
61	Systemic-to-Pulmonary Collateral Flow Correlates with Clinical Condition Late After the Fontan Procedure. <i>Pediatric Cardiology</i> , 2020, 41, 1800-1806.	1.3	6
62	Determination of phenylalanine enantiomers in the plasma and urine of mammals and α -amino acid oxidase deficient rodents using two-dimensional high-performance liquid chromatography. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140540.	2.3	6
63	Development of a selective three-dimensional HPLC system for enantiomer discriminated analysis of lactate and 3-hydroxybutyrate in human plasma and urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113871.	2.8	6
64	Serum N-terminal pro-B-type natriuretic peptide as a predictor for future development of atrial fibrillation in a general population: the Hisayama Study. <i>International Journal of Cardiology</i> , 2020, 320, 90-96.	1.7	5
65	Urinary N-terminal pro-B-type natriuretic peptide as a biomarker for cardiovascular events in a general Japanese population: the Hisayama Study. <i>Environmental Health and Preventive Medicine</i> , 2021, 26, 47.	3.4	4
66	The use of angiotensin II receptor blocker is associated with greater recovery of cardiac function than angiotensin-converting enzyme inhibitor in dilated cardiomyopathy. <i>ESC Heart Failure</i> , 2022, 9, 1175-1185.	3.1	4
67	Sex Differences in Time-Dependent Changes in B-Type Natriuretic Peptide in Hypertrophic Cardiomyopathy. <i>Circulation Reports</i> , 2021, 3, 594-603.	1.0	3
68	Fatal Cardiac Hemochromatosis in a Patient with Hereditary Spherocytosis. <i>International Heart Journal</i> , 2018, 59, 427-430.	1.0	2
69	Is High Heart Rate Always Harmful to Heart Failure Patients?—Reply. <i>Circulation Journal</i> , 2020, 84, 1674-1675.	1.6	2
70	Electron microscopy reveals morphosis of multi-layered mitochondria in the myocardium of a patient with mitochondrial cardiomyopathy. <i>European Heart Journal</i> , 2016, 37, 1372-1372.	2.2	1
71	Electrocardiographic Left Ventricular Hypertrophy Is Independently Associated With Better Long-Term Outcomes in Dilated Cardiomyopathy Patients. <i>Circulation Reports</i> , 2019, 1, 248-254.	1.0	1
72	The complication of Fontan procedure using extracardiac conduit. <i>International Journal of Cardiology Congenital Heart Disease</i> , 2021, 4, 100128.	0.4	0

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73	Hemodynamic Characteristics After Fontan Procedure in Patients with Downâ€™s Syndrome. Pediatric Cardiology, 2022, 43, 360-365.	1.3	0
74	SATB1-dependent mitochondrial ROS production controls TCR signaling in CD4 T cells. Life Science Alliance, 2021, 4, e202101093.	2.8	0
75	Renal afferent nerve stimulation induces baroreflex resetting through the activation of sympathorenal axis without compromising arterial pressure buffering function. FASEB Journal, 2012, 26, 872.34.	0.5	0
76	Central chemoreflex activation resets the setpoint pressure of baroreflex without compromising its function. FASEB Journal, 2012, 26, 706.4.	0.5	0
77	The Increase of Mitochondrial DNA Copy Number Attenuates Eccentric Cardiac Remodeling In Volume Overload Model. FASEB Journal, 2013, 27, 1129.11.	0.5	0
78	Afferent Vagal Nerve Stimulation Resets the Baroreflex Neural Arc and Inhibits Sympathetic Nerve Activity. FASEB Journal, 2013, 27, 1118.10.	0.5	0