

Keiichi Fukuda

List of Publications by Year in descending order

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63
papers

3,657
citations

159585

30
h-index

133252

59
g-index

66
all docs

66
docs citations

66
times ranked

5151
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient inhibition of BMP signaling by Noggin induces cardiomyocyte differentiation of mouse embryonic stem cells. <i>Nature Biotechnology</i> , 2005, 23, 607-611.	17.5	306
2	Induction of human cardiomyocyte-like cells from fibroblasts by defined factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12667-12672.	7.1	296
3	Mirâ€133 promotes cardiac reprogramming by directly repressing Snai1 and silencing fibroblast signatures. <i>EMBO Journal</i> , 2014, 33, 1565-1581.	7.8	272
4	Induction of Cardiomyocyte-Like Cells in Infarct Hearts by Gene Transfer of Gata4, Mef2c, and Tbx5. <i>Circulation Research</i> , 2012, 111, 1147-1156.	4.5	246
5	Glutamine Oxidation Is Indispensable for Survival of Human Pluripotent Stem Cells. <i>Cell Metabolism</i> , 2016, 23, 663-674.	16.2	207
6	Fibroblast Growth Factors and Vascular Endothelial Growth Factor Promote Cardiac Reprogramming under Defined Conditions. <i>Stem Cell Reports</i> , 2015, 5, 1128-1142.	4.8	143
7	Genotype-Phenotype Correlation of <i>SCN5A</i> Mutation for the Clinical and Electrocardiographic Characteristics of Proband With Brugada Syndrome. <i>Circulation</i> , 2017, 135, 2255-2270.	1.6	142
8	Direct In Vivo Reprogramming with Sendai Virus Vectors Improves Cardiac Function after Myocardial Infarction. <i>Cell Stem Cell</i> , 2018, 22, 91-103.e5.	11.1	138
9	18-HEPE, an n-3 fatty acid metabolite released by macrophages, prevents pressure overloadâ€induced maladaptive cardiac remodeling. <i>Journal of Experimental Medicine</i> , 2014, 211, 1673-1687.	8.5	135
10	Metabolic Remodeling Induced by Mitochondrial Aldehyde Stress Stimulates Tolerance to Oxidative Stress in the Heart. <i>Circulation Research</i> , 2009, 105, 1118-1127.	4.5	129
11	Heart failure causes cholinergic transdifferentiation of cardiac sympathetic nerves via gp130-signaling cytokines in rodents. <i>Journal of Clinical Investigation</i> , 2010, 120, 408-421.	8.2	128
12	G-CSF Promotes the Proliferation of Developing Cardiomyocytes In Vivo and in Derivation from ESCs and iPSCs. <i>Cell Stem Cell</i> , 2010, 6, 227-237.	11.1	114
13	Hydrogen Inhalation During Normoxic Resuscitation Improves Neurological Outcome in a Rat Model of Cardiac Arrest Independently of Targeted Temperature Management. <i>Circulation</i> , 2014, 130, 2173-2180.	1.6	104
14	Efficient Large-Scale 2D Culture System for Human Induced Pluripotent Stem Cells and Differentiated Cardiomyocytes. <i>Stem Cell Reports</i> , 2017, 9, 1406-1414.	4.8	96
15	G-CSF influences mouse skeletal muscle development and regeneration by stimulating myoblast proliferation. <i>Journal of Experimental Medicine</i> , 2011, 208, 715-727.	8.5	83
16	Role of cyclooxygenase-2-mediated prostaglandin E2-prostaglandin E receptor 4 signaling in cardiac reprogramming. <i>Nature Communications</i> , 2019, 10, 674.	12.8	74
17	Left atrial strain is a powerful predictor of atrial fibrillation recurrence after catheter ablation: study of a heterogeneous population with sinus rhythm or atrial fibrillation. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1008-14.	1.2	72
18	Automated Deep Learning-Based System to Identify Endothelial Cells Derived from Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018, 10, 1687-1695.	4.8	72

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19	Significance of Echocardiographic Assessment for Right Ventricular Function After Balloon Pulmonary Angioplasty in Patients With Chronic Thromboembolic Induced Pulmonary Hypertension. <i>American Journal of Cardiology</i> , 2015, 115, 256-261.	1.6	69
20	A Massive Suspension Culture System With Metabolic Purification for Human Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1473-1483.	3.3	62
21	Anti-senescent drug screening by deep learning-based morphology senescence scoring. <i>Nature Communications</i> , 2021, 12, 257.	12.8	54
22	Reprogramming Suppresses Premature Senescence Phenotypes of Werner Syndrome Cells and Maintains Chromosomal Stability over Long-Term Culture. <i>PLoS ONE</i> , 2014, 9, e112900.	2.5	52
23	Zac1 Is an Essential Transcription Factor for Cardiac Morphogenesis. <i>Circulation Research</i> , 2010, 106, 1083-1091.	4.5	46
24	ANGPTL2 activity in cardiac pathologies accelerates heart failure by perturbing cardiac function and energy metabolism. <i>Nature Communications</i> , 2016, 7, 13016.	12.8	46
25	Effects of Endothelin on Systemic and Renal Haemodynamics and Neuroendocrine Hormones in Conscious Dogs. <i>Clinical Science</i> , 1989, 77, 567-572.	4.3	41
26	G-CSF supports long-term muscle regeneration in mouse models of muscular dystrophy. <i>Nature Communications</i> , 2015, 6, 6745.	12.8	39
27	Right ventricular dyssynchrony predicts clinical outcomes in patients with pulmonary hypertension. <i>International Journal of Cardiology</i> , 2017, 228, 912-918.	1.7	38
28	Icogrel prevents heart failure with preserved ejection fraction by recovering the impaired unfolded protein response in mice subjected to cardiometabolic stress. <i>Biochemical and Biophysical Research Communications</i> , 2021, 572, 185-190.	2.1	38
29	Activation of pyruvate dehydrogenase by dichloroacetate has the potential to induce epigenetic remodeling in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 82, 116-124.	1.9	37
30	Changes in Right Ventricular Dysfunction After Balloon Pulmonary Angioplasty in Patients With Chronic Thromboembolic Pulmonary Hypertension. <i>American Journal of Cardiology</i> , 2016, 118, 1081-1087.	1.6	31
31	Ligand-based gene expression profiling reveals novel roles of glucocorticoid receptor in cardiac metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1363-E1373.	3.5	30
32	Prognostic value of three-dimensional echocardiographic right ventricular ejection fraction in patients with pulmonary arterial hypertension. <i>Oncotarget</i> , 2016, 7, 86781-86790.	1.8	30
33	Endothelial-to-Mesenchymal Transition Drives Expression of CD44 Variant and α 1(I) in Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 367-379.	2.9	27
34	Decrease in membrane phospholipids unsaturation correlates with myocardial diastolic dysfunction. <i>PLoS ONE</i> , 2018, 13, e0208396.	2.5	22
35	(Pro)renin receptor accelerates development of sarcopenia via activation of Wnt/YAP signaling axis. <i>Aging Cell</i> , 2019, 18, e12991.	6.7	22
36	Versican is crucial for the initiation of cardiovascular lumen development in medaka (<i>Oryzias latipes</i>). <i>Scientific Reports</i> , 2019, 9, 9475.	3.3	18

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37	Palmitate induces cardiomyocyte death via inositol requiring enzyme-1 (IRE1)-mediated signaling independent of X-box binding protein 1 (XBP1). <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 122-127.	2.1	18
38	Multicentre randomised controlled trial of balloon pulmonary angioplasty and riociguat in patients with chronic thromboembolic pulmonary hypertension: protocol for the MR BPA study. <i>BMJ Open</i> , 2020, 10, e028831.	1.9	17
39	Sex-Dependent Phenotypic Variability of an <i>SCN5A</i> Mutation: Brugada Syndrome and Sick Sinus Syndrome. <i>Journal of the American Heart Association</i> , 2018, 7, e009387.	3.7	15
40	The clinical value of assessing right ventricular diastolic function after balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 875-882.	1.5	14
41	Prognostic value of pre-procedural left ventricular strain for clinical events after transcatheter aortic valve implantation. <i>PLoS ONE</i> , 2018, 13, e0205190.	2.5	13
42	Omega-3 fatty acid epoxides produced by PAF-AH2 in mast cells regulate pulmonary vascular remodeling. <i>Nature Communications</i> , 2022, 13, .	12.8	13
43	Suppression of Rad leads to arrhythmogenesis via PKA-mediated phosphorylation of ryanodine receptor activity in the heart. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 701-707.	2.1	11
44	Amelioration of right ventricular function after hybrid therapy with riociguat and balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension. <i>International Journal of Cardiology</i> , 2016, 221, 227-229.	1.7	11
45	An effective detachment system for human induced pluripotent stem cells cultured on multilayered cultivation substrates using resonance vibrations. <i>Scientific Reports</i> , 2019, 9, 15655.	3.3	11
46	Riociguat, a soluble guanylate cyclase stimulator, ameliorates right ventricular contraction in pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2018, 8, 1-4.	1.7	10
47	Induced Pluripotent Stem Cell-Based Drug Screening by Use of Artificial Intelligence. <i>Pharmaceuticals</i> , 2022, 15, 562.	3.8	10
48	Clinical Significance of Guanylate Cyclase Stimulator, Riociguat, on Right Ventricular Functional Improvement in Patients with Pulmonary Hypertension. <i>Cardiology</i> , 2021, 146, 130-136.	1.4	9
49	Tbx6 induces cardiomyocyte proliferation in postnatal and adult mouse hearts. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 1041-1047.	2.1	8
50	Multiple papillary fibroelastomas attached to left ventricular side and aortic side of the aortic valve: A report of new case and literature review. <i>Echocardiography</i> , 2019, 36, 1194-1199.	0.9	7
51	Cost-effective culture of human induced pluripotent stem cells using UV/ozon-modified culture plastics with reduction of cell-adhesive matrix coating. <i>Materials Science and Engineering C</i> , 2020, 111, 110788.	7.3	5
52	Depression and complicated grief in bereaved caregivers in cardiovascular diseases: prevalence and determinants. <i>BMJ Supportive and Palliative Care</i> , 2023, 13, e990-e1000.	1.6	5
53	Basal-Supported Oral Therapy with Sitagliptin Counteracts Rebound Hyperglycemia Caused by GLP-1 Tachyphylaxis. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-5.	1.5	4
54	Bioprosthetic tricuspid valve replacement in carcinoid heart disease from primary ovarian carcinoid tumor. <i>Journal of Medical Ultrasonics (2001)</i> , 2015, 42, 401-403.	1.3	4

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55	Selective modulation of local linkages between active transcription and oxidative demethylation activity shapes cardiomyocyte-specific gene-body epigenetic status in mice. <i>BMC Genomics</i> , 2018, 19, 349.	2.8	4
56	â€œJ wavesâ€•induced after short coupling intervals: a manifestations of latent depolarization abnormality?. <i>Europace</i> , 2018, 20, f86-f92.	1.7	3
57	Modified transiliac artery approach for transcatheter aortic valve implantation. <i>Cardiovascular Intervention and Therapeutics</i> , 2017, 32, 196-198.	2.3	2
58	LÃ¶ffler endocarditis and restrictive cardiomyopathy with biventricular apical thrombi. <i>Journal of Echocardiography</i> , 2014, 12, 46-47.	0.8	1
59	Response to Letter Regarding Article, â€œHydrogen Inhalation During Normoxic Resuscitation Improves Neurological Outcome in a Rat Model of Cardiac Arrest Independently of Targeted Temperature Managementâ€•. <i>Circulation</i> , 2015, 132, e148-e148.	1.6	1
60	A rare case of fungal endocarditis caused by <i>Candida glabrata</i> after completion of antibiotic therapy for <i>Streptococcus</i> endocarditis. <i>Journal of Medical Ultrasonics (2001)</i> , 2015, 42, 243-246.	1.3	1
61	Effective Cibenzoline Treatment in a Patient With Midventricular Obstruction After Transcatheter Aortic Valve Implantation. <i>Circulation: Heart Failure</i> , 2016, 9, e002629.	3.9	1
62	Three-dimensional echocardiography findings of biventricular thrombi complicated by cerebral embolism. <i>Journal of Echocardiography</i> , 2011, 9, 163-164.	0.8	0
63	Abstract 2302: Adeno-associated Virus-mediated Prostaglandin I Synthase Gene Transfer Improved The Hypoxia-induced Pulmonary Hypertension In Mice. <i>Circulation</i> , 2007, 116, .	1.6	0