

# Hajime Otani

## List of Publications by Year in descending order

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70  
papers

2,798  
citations

136950

32  
h-index

175258

52  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antagomir-92a impregnated gelatin hydrogel microsphere sheet enhances cardiac regeneration after myocardial infarction in rats. <i>Regenerative Therapy</i> , 2016, 5, 9-16.	3.0	7
2	Treatment and management of thyroid storm: analysis of the nationwide surveys. <i>Clinical Endocrinology</i> , 2016, 84, 912-918.	2.4	35
3	Sepiapterin prevents left ventricular hypertrophy and dilatary remodeling induced by pressure overload in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1782-H1791.	3.2	14
4	Intracoronary followed by intravenous administration of the short-acting $\beta$ -blocker landiolol prevents myocardial injury in the face of elective percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2013, 167, 1547-1551.	1.7	19
5	Site-Specific Antioxidative Therapy for Prevention of Atherosclerosis and Cardiovascular Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-14.	4.0	8
6	Erratum to "Site-Specific Antioxidative Therapy for Prevention of Atherosclerosis and Cardiovascular Disease". <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-1.	4.0	48
7	Therapeutic Strategies for Metabolic Syndrome and Lifestyle-Related Disease. , 2013, , 325-364.		0
8	Granulocyte colony-stimulating factor does not enhance recruitment of bone marrow-derived cells in rats with acute myocardial infarction. <i>Experimental and Clinical Cardiology</i> , 2012, 17, 83-8.	1.3	4
9	Oxidative Stress as Pathogenesis of Cardiovascular Risk Associated with Metabolic Syndrome. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1911-1926.	5.4	149
10	Ascorbic acid and N-acetyl cysteine prevent uncoupling of nitric oxide synthase and increase tolerance to ischemia/reperfusion injury in diabetic rat heart. <i>Free Radical Research</i> , 2011, 45, 1173-1183.	3.3	31
11	Phenotypic modulation and turnover of bone marrow-derived cells after myocardial infarction in rats. <i>Cardiovascular Pathology</i> , 2011, 20, 146-155.	1.6	8
12	Efficacy of intracoronary administration of a short-acting $\beta$ -blocker landiolol during reperfusion in pigs. <i>International Journal of Cardiology</i> , 2011, 146, 347-353.	1.7	11
13	Reversal of inducible nitric oxide synthase uncoupling unmasks tolerance to ischemia/reperfusion injury in the diabetic rat heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 534-544.	1.9	43
14	Modified resveratrol Longevinex improves endothelial function in adults with metabolic syndrome receiving standard treatment. <i>Nutrition Research</i> , 2011, 31, 842-847.	2.9	113
15	The case of successful catheter ablation using only the approach from the upper part of the subject's body, with meandering aorta and implanted IVC filter. <i>Journal of Cardiology Cases</i> , 2011, 4, e115-e120.	0.5	0
16	Inhibition of nitric oxide synthase uncoupling by sepiapterin improves left ventricular function in streptozotocin-induced diabetic mice. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011, 38, 485-493.	1.9	42
17	Percutaneous coronary intervention for left main trunk ostial stenosis in a patient with Takayasu's arteritis. <i>Cardiovascular Intervention and Therapeutics</i> , 2011, 26, 70-73.	2.3	2
18	Comparison of neointimal morphology of in-stent restenosis with sirolimus-eluting stents versus bare metal stents: virtual histology-intravascular ultrasound analysis. <i>Cardiovascular Intervention and Therapeutics</i> , 2011, 26, 186-192.	2.3	1

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19	Retrograde fast pathway ablation with the EnSite NavX mapping system for slowâ€fast atrioventricular node reentrant tachycardia and a prolonged PR interval during sinus rhythm. <i>Journal of Cardiology Cases</i> , 2011, 3, e143-e148.	0.5	1
20	Sepiapterin enhances angiogenesis and functional recovery in mice after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H2061-H2072.	3.2	22
21	Inhibition of Contractile Activity During Postconditioning Enhances Cardioprotection by Restoring Sarcolemmal Dystrophin Through Phosphatidylinositol 3-Kinase. <i>Circulation Journal</i> , 2010, 74, 2393-2402.	1.6	12
22	Enhanced mesenchymal cell engraftment by IGF-1 improves left ventricular function in rats undergoing myocardial infarction. <i>International Journal of Cardiology</i> , 2010, 138, 9-18.	1.7	44
23	The Role of Nitric Oxide in Myocardial Repair and Remodeling. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1913-1928.	5.4	98
24	<i>N</i>-Acetylcysteine Abolishes the Protective Effect of Losartan Against Left Ventricular Remodeling in Cardiomyopathy Hamster. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 1999-2008.	5.4	11
25	Angiotensin II type 1 receptor blocker preserves tolerance to ischemia-reperfusion injury in Dahl salt-sensitive rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2473-H2479.	3.2	14
26	Ischemic Preconditioning: From Molecular Mechanisms to Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 207-248.	5.4	85
27	Granulocyte-Colony Stimulating Factor Increases Donor Mesenchymal Stem Cells in Bone Marrow and Their Mobilization Into Peripheral Circulation but Does Not Repair Dystrophic Heart After Bone Marrow Transplantation. <i>Circulation Journal</i> , 2008, 72, 1351-1358.	1.6	43
28	Exercise-induced activation of cardiac sympathetic nerve triggers cardioprotection via redox-sensitive activation of eNOS and upregulation of iNOS. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2051-H2059.	3.2	54
29	Statin and resveratrol in combination induces cardioprotection against myocardial infarction in hypercholesterolemic rat. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 508-516.	1.9	157
30	Environmental Design for Muscle Cell Culture with Magnetic Field. , 2007, , .		0
31	Role of Mechanical Stress in the Form of Cardiomyocyte Death During the Early Phase of Reperfusion. <i>Circulation Journal</i> , 2006, 70, 1344-1355.	1.6	22
32	Opposing effect of p38 MAP kinase and JNK inhibitors on the development of heart failure in the cardiomyopathic hamster. <i>Cardiovascular Research</i> , 2006, 69, 888-898.	3.8	60
33	Dystrophin is a possible end-target of ischemic preconditioning against cardiomyocyte oncosis during the early phase of reperfusion. <i>Cardiovascular Research</i> , 2006, 70, 354-363.	3.8	19
34	Role of Oxidative/Nitrosative Stress in the Tolerance to Ischemia/Reperfusion Injury in Cardiomyopathic Hamster Heart. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1351-1361.	5.4	11
35	Ischemic Preconditioning Triggers Nuclear Translocation of Thioredoxin and Its Interaction with Ref-1 Potentiating a Survival Signal Through the PI-3-Kinase-Akt Pathway. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 2101-2109.	5.4	38
36	Significance of wine and resveratrol in cardiovascular disease: French paradox revisited. <i>Experimental and Clinical Cardiology</i> , 2006, 11, 217-25.	1.3	80

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37	Integrated pharmacological preconditioning and memory of cardioprotection: role of protein kinase C and phosphatidylinositol 3-kinase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H761-H767.	3.2	8
38	Role of F-actin organization in p38 MAP kinase-mediated apoptosis and necrosis in neonatal rat cardiomyocytes subjected to simulated ischemia and reoxygenation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2310-H2318.	3.2	51
39	Temporary blockade of contractility during reperfusion elicits a cardioprotective effect of the p38 MAP kinase inhibitor SB-203580. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2726-H2734.	3.2	21
40	Reactive Oxygen Species as Mediators of Signal Transduction in Ischemic Preconditioning. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 449-469.	5.4	134
41	Ischemic preconditioning-mediated restoration of membrane dystrophin during reperfusion correlates with protection against contraction-induced myocardial injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H81-H90.	3.2	38
42	Angiogenic signal triggered by ischemic stress induces myocardial repair in rat during chronic infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 36, 547-559.	1.9	87
43	Integrated pharmacological preconditioning in combination with adenosine, a mitochondrial KATP channel opener and a nitric oxide donor. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 126, 148-159.	0.8	16
44	Role of mitochondrial KATP channels and protein kinase C in ischaemic preconditioning. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003, 30, 426-436.	1.9	23
45	Combined pharmacological preconditioning with a G-protein-coupled receptor agonist, a mitochondrial KATP channel opener and a nitric oxide donor mimics ischaemic preconditioning. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003, 30, 684-693.	1.9	10
46	Loss of Intracellular Dystrophin-A Potential Mechanism for Myocardial Reperfusion Injury-. <i>Circulation Journal</i> , 2003, 67, 725-727.	1.6	24
47	Enhanced IPC by activation of pertussis toxin-sensitive and -insensitive G protein-coupled purinoceptors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1933-H1943.	3.2	14
48	Pharmacological preconditioning with resveratrol: role of nitric oxide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1988-H1995.	3.2	171
49	Complementary role of extracellular ATP and adenosine in ischemic preconditioning in the rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1810-H1820.	3.2	32
50	Hypoxic Preconditioning Triggers Myocardial Angiogenesis: a Novel Approach to Enhance Contractile Functional Reserve in Rat with Myocardial Infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 335-348.	1.9	80
51	Nitric Oxide Induces Caspase-dependent Apoptosis and Necrosis in Neonatal Rat Cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 1049-1061.	1.9	74
52	Pharmacological preconditioning with resveratrol: an insight with iNOS knockout mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1996-H2003.	3.2	108
53	Dual Involvement of Coenzyme Q <sub>10</sub> in Redox Signaling and Inhibition of Death Signaling in the Rat Heart Mitochondria. <i>Antioxidants and Redox Signaling</i> , 2001, 3, 103-112.	5.4	40
54	Hypoxia/Reoxygenation Promotes Myocardial Angiogenesis via an NF- $\kappa$ B-dependent Mechanism in a Rat Model of Chronic Myocardial Infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, 283-294.	1.9	56

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55	Role of STAT3 in Ischemic Preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, 1929-1936.	1.9	176
56	Src tyrosine kinase is the trigger but not the mediator of ischemic preconditioning. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H1066-H1074.	3.2	47
57	IGF-I differentially regulates Bcl-xL and Bax and confers myocardial protection in the rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1191-H1200.	3.2	69
58	Revascularization of left subclavian artery for coronary subclavian steal syndrome. <i>General Thoracic and Cardiovascular Surgery</i> , 2001, 49, 125-127.	0.4	3
59	Protein kinase C isoform $\epsilon$ dependent myocardial protection by ischemic preconditioning and potassium cardioplegia. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001, 121, 137-148.	0.8	26
60	Insulin-like growth factor 1 prevents neuronal cell death and paraplegia in the rabbit model of spinal cord ischemia. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001, 122, 136-143.	0.8	44
61	Effects Of The Na <sup>+</sup> /H <sup>+</sup> Exchange Inhibitor Cariporide (HOE 642) On Cardiac Function And Cardiomyocyte Cell Death In Rat Ischaemic-Reperfused Heart. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2000, 27, 387-393.	1.9	16
62	Mitral valve plasty using artificial chordae in a 1.5-year-old boy with congenital mitral stenosis and absent anterolateral chordae. <i>General Thoracic and Cardiovascular Surgery</i> , 2000, 48, 484-488.	0.4	1
63	Bypass graft material and myocardial protective procedure in combined coronary artery bypass grafting and valve surgery. <i>General Thoracic and Cardiovascular Surgery</i> , 2000, 48, 574-578.	0.4	0
64	Freehand cryopreserved mitral valve allograft with flexible ring in the pig. <i>General Thoracic and Cardiovascular Surgery</i> , 2000, 48, 775-781.	0.4	1
65	Insulin-Like Growth Factor-I Improves Recovery of Cardiac Performance During Reperfusion in Isolated Rat Heart by a Wortmannin-Sensitive Mechanism. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 35, 275-281.	1.9	35
66	Surgical treatment for a supra sinotubular junctional saccular aneurysm associated with aortic regurgitation. <i>General Thoracic and Cardiovascular Surgery</i> , 1999, 47, 130-134.	0.4	0
67	Direct transaortic balloon valvuloplasty under cardiopulmonary bypass for neonatal critical aortic stenosis. <i>CardioVascular and Interventional Radiology</i> , 1996, 19, 374-376.	2.0	1
68	Effects of inhibitors of protein kinase C and Na <sup>+</sup> /H <sup>+</sup> exchange on $\alpha_1$ -adrenoceptor-mediated inotropic responses in the rat left ventricular papillary muscle. <i>British Journal of Pharmacology</i> , 1990, 100, 207-210.	5.4	40
69	Effect of calcium overload on the phosphoinositide breakdown in the rat left ventricular papillary muscle. <i>Molecular and Cellular Biochemistry</i> , 1989, 90, 111-20.	3.1	8
70	Protection against oxygen-induced reperfusion injury of the isolated canine heart by superoxide dismutase and catalase. <i>Journal of Surgical Research</i> , 1986, 41, 126-133.	1.6	36