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	Role of STAT3 in Ischemic Preconditioning. Journal of Molecular and Cellular Cardiology, 2001, 33, 1929-1936.	1.9	176
2	Pharmacological preconditioning with resveratrol: role of nitric oxide. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1988-H1995.	3.2	171
3	Statin and resveratrol in combination induces cardioprotection against myocardial infarction in hypercholesterolemic rat. Journal of Molecular and Cellular Cardiology, 2007, 42, 508-516.	1.9	157
4	Oxidative Stress as Pathogenesis of Cardiovascular Risk Associated with Metabolic Syndrome. Antioxidants and Redox Signaling, 2011, 15, 1911-1926.	5.4	149
5	Reactive Oxygen Species as Mediators of Signal Transduction in Ischemic Preconditioning. Antioxidants and Redox Signaling, 2004, 6, 449-469.	5.4	134
6	Modified resveratrol Longevinex improves endothelial function in adults with metabolic syndrome receiving standard treatment. Nutrition Research, 2011, 31, 842-847.	2.9	113
7	Pharmacological preconditioning with resveratrol: an insight with iNOS knockout mice. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1996-H2003.	3.2	108
8	The Role of Nitric Oxide in Myocardial Repair and Remodeling. Antioxidants and Redox Signaling, 2009, 11, 1913-1928.	5.4	98
9	Angiogenic signal triggered by ischemic stress induces myocardial repair in rat during chronic infarction. Journal of Molecular and Cellular Cardiology, 2004, 36, 547-559.	1.9	87
10	Ischemic Preconditioning: From Molecular Mechanisms to Therapeutic Opportunities. Antioxidants and Redox Signaling, 2008, 10, 207-248.	5.4	85
11	Hypoxic Preconditioning Triggers Myocardial Angiogenesis: a Novel Approach to Enhance Contractile Functional Reserve in Rat with Myocardial Infarction. Journal of Molecular and Cellular Cardiology, 2002, 34, 335-348.	1.9	80
12	Significance of wine and resveratrol in cardiovascular disease: French paradox revisited. Experimental and Clinical Cardiology, 2006, 11, 217-25.	1.3	80
13	Nitric Oxide Induces Caspase-dependent Apoptosis and Necrosis in Neonatal Rat Cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2002, 34, 1049-1061.	1.9	74
14	IGF-I differentially regulates Bcl-xL and Bax and confers myocardial protection in the rat heart. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1191-H1200.	3.2	69
15	Opposing effect of p38 MAP kinase and JNK inhibitors on the development of heart failure in the cardiomyopathic hamster. Cardiovascular Research, 2006, 69, 888-898.	3.8	60
16	Hypoxia/Reoxygenation Promotes Myocardial Angiogenesis via anÃˆNF Î² B-dependent Mechanism in a Rat Model of Chronic Myocardial Infarction. Journal of Molecular and Cellular Cardiology, 2001, 33, 283-294.	1.9	56
17	Exercise-induced activation of cardiac sympathetic nerve triggers cardioprotection via redox-sensitive activation of eNOS and upregulation of iNOS. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2051-H2059.	3.2	54
18	Role of F-actin organization in p38 MAP kinase-mediated apoptosis and necrosis in neonatal rat cardiomyocytes subjected to simulated ischemia and reoxygenation. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H2310-H2318.	3.2	51

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19	Erratum to â€œSite-Specific Antioxidative Therapy for Prevention of Atherosclerosis and Cardiovascular Diseaseâ€• Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-1.	4.0	48
20	Src tyrosine kinase is the trigger but not the mediator of ischemic preconditioning. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H1066-H1074.	3.2	47
21	Insulin-like growth factor 1 prevents neuronal cell death and paraplegia in the rabbit model of spinal cord ischemia. Journal of Thoracic and Cardiovascular Surgery, 2001, 122, 136-143.	0.8	44
22	Enhanced mesenchymal cell engraftment by IGF-1 improves left ventricular function in rats undergoing myocardial infarction. International Journal of Cardiology, 2010, 138, 9-18.	1.7	44
23	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. Circulation Journal, 2008, 72, 1351-1358.	1.6	43
24	Reversal of inducible nitric oxide synthase uncoupling unmasks tolerance to ischemia/reperfusion injury in the diabetic rat heart. Journal of Molecular and Cellular Cardiology, 2011, 50, 534-544.	1.9	43
25	Inhibition of nitric oxide synthase uncoupling by sepiapterin improves left ventricular function in streptozotocin-induced diabetic mice. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 485-493.	1.9	42
26	Effects of inhibitors of protein kinase C and Na ⁺/H ⁺ exchange on Î±₁â€adrenoceptorâ€mediated inotropic responses in the rat left ventricular papillary muscle. British Journal of Pharmacology, 1990, 100, 207-210.	5.4	40
27	Dual Involvement of Coenzyme Q₁₀in Redox Signaling and Inhibition of Death Signaling in the Rat Heart Mitochondria. Antioxidants and Redox Signaling, 2001, 3, 103-112.	5.4	40
28	Ischemic preconditioning-mediated restoration of membrane dystrophin during reperfusion correlates with protection against contraction-induced myocardial injury. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H81-H90.	3.2	38
29	Ischemic Preconditioning Triggers Nuclear Translocation of Thioredoxin and Its Interaction with Ref-1 Potentiating a Survival Signal Through the PI-3-Kinase-Akt Pathway. Antioxidants and Redox Signaling, 2006, 8, 2101-2109.	5.4	38
30	Protection against oxygen-induced reperfusion injury of the isolated canine heart by superoxide dismutase and catalase. Journal of Surgical Research, 1986, 41, 126-133.	1.6	36
31	Treatment and management of thyroid storm: analysis of the nationwide surveys. Clinical Endocrinology, 2016, 84, 912-918.	2.4	35
32	Insulin-Like Growth Factor-I Improves Recovery of Cardiac Performance During Reperfusion in Isolated Rat Heart by a Wortmannin-Sensitive Mechanism. Journal of Cardiovascular Pharmacology, 2000, 35, 275-281.	1.9	35
33	Complementary role of extracellular ATP and adenosine in ischemic preconditioning in the rat heart. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1810-H1820.	3.2	32
34	Ascorbic acid and N-acetyl cysteine prevent uncoupling of nitric oxide synthase and increase tolerance to ischemia/reperfusion injury in diabetic rat heart. Free Radical Research, 2011, 45, 1173-1183.	3.3	31
35	Protein kinase C isoformâ€“dependent myocardial protection by ischemic preconditioning and potassium cardioplegia. Journal of Thoracic and Cardiovascular Surgery, 2001, 121, 137-148.	0.8	26
36	Loss of Intracellular Dystrophin-A Potential Mechanism for Myocardial Reperfusion Injury-. Circulation Journal, 2003, 67, 725-727.	1.6	24

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37	Role of mitochondrial KATP channels and protein kinase C in ischaemic preconditioning. Clinical and Experimental Pharmacology and Physiology, 2003, 30, 426-436.	1.9	23
38	Role of Mechanical Stress in the Form of Cardiomyocyte Death During the Early Phase of Reperfusion. Circulation Journal, 2006, 70, 1344-1355.	1.6	22
39	Sepiapterin enhances angiogenesis and functional recovery in mice after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H2061-H2072.	3.2	22
40	Temporary blockade of contractility during reperfusion elicits a cardioprotective effect of the p38 MAP kinase inhibitor SB-203580. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2726-H2734.	3.2	21
41	Dystrophin is a possible end-target of ischemic preconditioning against cardiomyocyte oncosis during the early phase of reperfusion. Cardiovascular Research, 2006, 70, 354-363.	3.8	19
42	Intracoronary followed by intravenous administration of the short-acting Î²-blocker landiolol prevents myocardial injury in the face of elective percutaneous coronary intervention. International Journal of Cardiology, 2013, 167, 1547-1551.	1.7	19
43	Effects Of The Na+/H+ Exchange Inhibitor Cariporide (HOE 642) On Cardiac Function And Cardiomyocyte Cell Death In Rat Ischaemic-Reperfused Heart. Clinical and Experimental Pharmacology and Physiology, 2000, 27, 387-393.	1.9	16
44	Integrated pharmacological preconditioning in combination with adenosine, a mitochondrial KATP channel opener and a nitric oxide donor. Journal of Thoracic and Cardiovascular Surgery, 2003, 126, 148-159.	0.8	16
45	Enhanced IPC by activation of pertussis toxin-sensitive and -insensitive G protein-coupled purinoceptors. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1933-H1943.	3.2	14
46	Angiotensin II type 1 receptor blocker preserves tolerance to ischemia-reperfusion injury in Dahl salt-sensitive rat heart. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2473-H2479.	3.2	14
47	Sepiapterin prevents left ventricular hypertrophy and dilatory remodeling induced by pressure overload in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1782-H1791.	3.2	14
48	Inhibition of Contractile Activity During Postconditioning Enhances Cardioprotection by Restoring Sarcolemmal Dystrophin Through Phosphatidylinositol 3-Kinase. Circulation Journal, 2010, 74, 2393-2402.	1.6	12
49	Role of Oxidative/Nitrosative Stress in the Tolerance to Ischemia/Reperfusion Injury in Cardiomyopathic Hamster Heart. Antioxidants and Redox Signaling, 2006, 8, 1351-1361.	5.4	11
50	N-Acetylcysteine Abolishes the Protective Effect of Losartan Against Left Ventricular Remodeling in Cardiomyopathy Hamster. Antioxidants and Redox Signaling, 2008, 10, 1999-2008.	5.4	11
51	Efficacy of intracoronary administration of a short-acting Î²-blocker landiolol during reperfusion in pigs. International Journal of Cardiology, 2011, 146, 347-353.	1.7	11
52	Combined pharmacological preconditioning with a G-protein-coupled receptor agonist, a mitochondrial KATP channel opener and a nitric oxide donor mimics ischaemic preconditioning. Clinical and Experimental Pharmacology and Physiology, 2003, 30, 684-693.	1.9	10
53	Effect of calcium overload on the phosphoinositide breakdown in the rat left ventricular papillary muscle. Molecular and Cellular Biochemistry, 1989, 90, 111-20.	3.1	8
54	Integrated pharmacological preconditioning and memory of cardioprotection: role of protein kinase C and phosphatidylinositol 3-kinase. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H761-H767.	3.2	8

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55	Phenotypic modulation and turnover of bone marrow-derived cells after myocardial infarction in rats. Cardiovascular Pathology, 2011, 20, 146-155.	1.6	8
56	Site-Specific Antioxidative Therapy for Prevention of Atherosclerosis and Cardiovascular Disease. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-14.	4.0	8
57	Antagomir-92a impregnated gelatin hydrogel microsphere sheet enhances cardiac regeneration after myocardial infarction in rats. Regenerative Therapy, 2016, 5, 9-16.	3.0	7
58	Granulocyte colony-stimulating factor does not enhance recruitment of bone marrow-derived cells in rats with acute myocardial infarction. Experimental and Clinical Cardiology, 2012, 17, 83-8.	1.3	4
59	Revascularization of left subclavian artery for coronary subclavian steal syndrome. General Thoracic and Cardiovascular Surgery, 2001, 49, 125-127.	0.4	3
60	Percutaneous coronary intervention for left main trunk ostial stenosis in a patient with Takayasuâ€™s arteritis. Cardiovascular Intervention and Therapeutics, 2011, 26, 70-73.	2.3	2
61	Direct transaortic balloon valvuloplasty under cardiopulmonary bypass for neonatal critical aortic stenosis. CardioVascular and Interventional Radiology, 1996, 19, 374-376.	2.0	1
62	Mitral valve plasty using artificial chordae in a 1.5-year-old boy with congenital mitral stenosis and absent anterolateral chordae. General Thoracic and Cardiovascular Surgery, 2000, 48, 484-488.	0.4	1
63	Freehand cryopreserved mitral valve allograft with flexible ring in the pig. General Thoracic and Cardiovascular Surgery, 2000, 48, 775-781.	0.4	1
64	Comparison of neointimal morphology of in-stent restenosis with sirolimus-eluting stents versus bare metal stents: virtual histology-intravascular ultrasound analysis. Cardiovascular Intervention and Therapeutics, 2011, 26, 186-192.	2.3	1
65	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. Journal of Cardiology Cases, 2011, 3, e143-e148.	0.5	1
66	Surgical treatment for a supra sinotubular junctional saccular aneurysm associated with aortic regurgitation. General Thoracic and Cardiovascular Surgery, 1999, 47, 130-134.	0.4	0
67	Bypass graft material and myocardial protective procedure in combined coronary artery bypass grafting and valve surgery. General Thoracic and Cardiovascular Surgery, 2000, 48, 574-578.	0.4	0
68	Environmental Design for Muscle Cell Culture with Magnetic Field. , 2007, , .		0
69	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. Journal of Cardiology Cases, 2011, 4, e115-e120.	0.5	0
70	Therapeutic Strategies for Metabolic Syndrome and Lifestyle-Related Disease. , 2013, , 325-364.		0