

Akira T Kawaguchi

List of Publications by Year in descending order

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69
papers

1,235
citations

394286

19
h-index

395590

33
g-index

70
all docs

70
docs citations

70
times ranked

871
citing authors

#	ARTICLE	IF	CITATIONS
1	Cox maze procedure for chronic atrial fibrillation associated with mitral valve disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1994, 108, 1049-1055.	0.4	197
2	Risks and Benefits of Combined Maze Procedure for Atrial Fibrillation Associated With Organic Heart Disease. It was presented at the 43rd Annual Scientific Session, American College of Cardiology, Atlanta, Georgia, March 1994. <i>Journal of the American College of Cardiology</i> , 1996, 28, 985-990.	1.2	112
3	Liposome-Encapsulated Hemoglobin Reduces the Size of Cerebral Infarction in the Rat. <i>Stroke</i> , 2007, 38, 1626-1632.	1.0	74
4	A Diatomic Molecule Receptor That Removes CO in a Living Organism. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1312-1315.	7.2	58
5	In Vivo Distribution of Liposome-Encapsulated Hemoglobin Determined by Positron Emission Tomography. <i>Artificial Organs</i> , 2009, 33, 164-168.	1.0	46
6	Liposome-Encapsulated Hemoglobin Ameliorates Ischemic Stroke in Nonhuman Primates: An Acute Study. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 429-436.	1.3	41
7	Liposome-Encapsulated Hemoglobin Reduces the Size of Cerebral Infarction in Rats: Effect of Oxygen Affinity. <i>Artificial Organs</i> , 2009, 33, 159-163.	1.0	38
8	Liposome-Encapsulated Hemoglobin Ameliorates Tumor Hypoxia and Enhances Radiation Therapy to Suppress Tumor Growth in Mice. <i>Artificial Organs</i> , 2012, 36, 170-177.	1.0	35
9	Sensitive quantification of carbon monoxide in vivo reveals a protective role of circulating hemoglobin in CO intoxication. <i>Communications Biology</i> , 2021, 4, 425.	2.0	32
10	Real-Time Trafficking of PEGylated Liposomes in the Rodent Focal Brain Ischemia Analyzed by Positron Emission Tomography. <i>Artificial Organs</i> , 2014, 38, 662-666.	1.0	31
11	Nanoparticles accumulate in ischemic core and penumbra region even when cerebral perfusion is reduced. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1201-1205.	1.0	30
12	Partial Left Ventriculectomy in Patients with Dilated Failing Ventricle. <i>Journal of Cardiac Surgery</i> , 1998, 13, 335-342.	0.3	26
13	Myocardial Revascularization of the Beating Heart in High-Risk Patients. <i>Journal of Cardiac Surgery</i> , 2001, 16, 132-139.	0.3	26
14	Liposome-Encapsulated Hemoglobin Alleviates Brain Edema After Permanent Occlusion of the Middle Cerebral Artery in Rats. <i>Artificial Organs</i> , 2009, 33, 153-158.	1.0	23
15	Liposome-Encapsulated Hemoglobin Alleviates Hearing Loss After Transient Cochlear Ischemia and Reperfusion in the Gerbil. <i>Artificial Organs</i> , 2012, 36, 178-184.	1.0	23
16	Liposome-Encapsulated Hemoglobin Accelerates Skin Wound Healing in Diabetic dB/dB Mice. <i>Artificial Organs</i> , 2017, 41, 319-326.	1.0	23
17	Liposome-Encapsulated Hemoglobin Ameliorates Ischemic Stroke in Nonhuman Primates: Longitudinal Observation. <i>Artificial Organs</i> , 2013, 37, 904-912.	1.0	22
18	Regeneration-associated cells improve recovery from myocardial infarction through enhanced vasculogenesis, anti-inflammation, and cardiomyogenesis. <i>PLoS ONE</i> , 2018, 13, e0203244.	1.1	21

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19	Partial Left Ventriculectomy: The 2nd International Registry Report 2000. <i>Journal of Cardiac Surgery</i> , 2001, 16, 10-23.	0.3	20
20	Liposome-Encapsulated Hemoglobin Accelerates Skin Wound Healing in Mice. <i>Artificial Organs</i> , 2012, 36, 161-169.	1.0	20
21	Effects of Liposome-Encapsulated Hemoglobin on Gastric Wound Healing in the Rat. <i>Artificial Organs</i> , 2014, 38, 641-649.	1.0	15
22	Ventricular Conduction Defects After Transcatheter Aortic Valve Implantation: A Single-Institute Analysis. <i>Artificial Organs</i> , 2015, 39, 409-415.	1.0	15
23	Nitrosylated Pegylated Hemoglobin Reduces the Size of Cerebral Infarction in Rats. <i>Artificial Organs</i> , 2009, 33, 183-188.	1.0	14
24	Liposome-Encapsulated Hemoglobin Enhances Chemotherapy to Suppress Metastasis in Mice. <i>Artificial Organs</i> , 2014, 38, 656-661.	1.0	14
25	Left Ventricular Volume Reduction Surgery: The 4th International Registry Report 2004. <i>Journal of Cardiac Surgery</i> , 2005, 20, S5-S11.	0.3	13
26	Partial Left Ventriculectomy for Patients with Ischemic Cardiomyopathy. <i>Journal of Cardiac Surgery</i> , 2001, 16, 145-152.	0.3	12
27	Possible Role of Artificial Oxygen Carriers in Transfusion Medicine: A Retrospective Analysis on the Current Transfusion Practice. <i>Artificial Organs</i> , 2009, 33, 127-132.	1.0	12
28	Effects of Liposome-Encapsulated Hemoglobin on Learning Ability in Tokai High-Avoider Rat After Total Brain Ischemia and Reperfusion. <i>Artificial Organs</i> , 2014, 38, 667-674.	1.0	12
29	Liposome-Encapsulated Hemoglobin Improves Tumor Oxygenation as Detected by Near-Infrared Spectroscopy in Colon Carcinoma in Mice. <i>Artificial Organs</i> , 2017, 41, 327-335.	1.0	12
30	Transeventricular Mitral Annuloplasty in a Patient Undergoing Partial Left Ventriculectomy. <i>Journal of Cardiac Surgery</i> , 2001, 16, 140-144.	0.3	11
31	PEGylated carboxyhemoglobin bovine (SANGUINATE) ameliorates myocardial infarction in a rat model. <i>Artificial Organs</i> , 2018, 42, 1174-1184.	1.0	11
32	Improved Left Ventricular Contraction and Energetics in a Patient with Chagas' Disease Undergoing Partial Left Ventriculectomy. <i>Journal of Cardiac Surgery</i> , 2001, 16, 30-33.	0.3	10
33	Factors Affecting Ventricular Function and Survival After Partial Left Ventriculectomy. <i>Journal of Cardiac Surgery</i> , 2003, 18, S77-S85.	0.3	10
34	Usefulness of Myoglobin Containing Cobalt Heme Cofactor in Designing a Myoglobin-Based Artificial Oxygen Carrier. <i>Artificial Organs</i> , 2014, 38, 715-719.	1.0	10
35	Monitoring Mitochondrial Complex-I Activity Using Novel PET Probe 18F-BCPP-EF Allows Early Detection of Radiotherapy Effect in Murine Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2017, 12, e0170911.	1.1	10
36	Effect of Liposome-Encapsulated Hemoglobin on Antigen-Presenting Cells in Mice. <i>Artificial Organs</i> , 2012, 36, 194-201.	1.0	9

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37	Porphyrinoid Aromaticity Induced by the Interaction between Oxidized and Reduced Pyridine Subunits. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3824-3829.	1.2	9
38	Effect of Oxygen Affinity of Liposome-Encapsulated Hemoglobin on Cerebral Ischemia and Reperfusion as Detected by Positron Emission Tomography in Nonhuman Primates. <i>Artificial Organs</i> , 2017, 41, 336-345.	1.0	9
39	Partial Left Ventriculectomy-The Third International Registry Report 2002. <i>Journal of Cardiac Surgery</i> , 2003, 18, S33-S42.	0.3	8
40	Effects of Liposome-Encapsulated Hemoglobin on Human Immune System: Evaluation in Immunodeficient Mice Reconstituted With Human Cord Blood Stem Cells. <i>Artificial Organs</i> , 2009, 33, 169-176.	1.0	8
41	Liposome-Encapsulated Hemoglobin Improves Energy Metabolism in Skeletal Muscle Ischemia and Reperfusion in the Rat. <i>Artificial Organs</i> , 2012, 36, 185-193.	1.0	8
42	Liposome-Encapsulated Hemoglobin Accelerates Bronchial Healing After Pneumonectomy in the Rat With or Without Preoperative Radiotherapy. <i>Artificial Organs</i> , 2014, 38, 634-640.	1.0	8
43	Partial left ventriculectomy. <i>General Thoracic and Cardiovascular Surgery</i> , 2001, 49, 145-152.	0.4	7
44	Mitral Regurgitation After Partial Left Ventriculectomy As the Cause of Ventricular Redilatation. <i>Journal of Cardiac Surgery</i> , 2001, 16, 89-96.	0.3	7
45	Angiographic and Hemodynamic Follow-Up of Patients After Partial Left Ventriculectomy. <i>Journal of Cardiac Surgery</i> , 2005, 20, S35-S38.	0.3	7
46	Liposome-encapsulated hemoglobin alleviates hearing loss after transient cochlear ischemia: An experimental study in the gerbil. <i>Neuroscience Letters</i> , 2013, 553, 176-180.	1.0	7
47	Utility of heme analogues to intentionally modify heme-globin interactions in myoglobin. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 582-588.	0.5	7
48	External administration of moon jellyfish collagen solution accelerates physiological wound healing and improves delayed wound closure in diabetic model mice. <i>Regenerative Therapy</i> , 2021, 18, 223-230.	1.4	7
49	Perioperative Ventricular Arrhythmias in Patients Undergoing Partial Left Ventriculectomy. <i>Journal of Cardiac Surgery</i> , 2001, 16, 97-103.	0.3	6
50	Artificial Oxygen Carrier to Regulate Hypoxic Signal Transduction. <i>Artificial Organs</i> , 2014, 38, 617-620.	1.0	6
51	Artificial Oxygen Carrier as Therapeutics Rather Than Blood Substitute for Transfusion. <i>Artificial Organs</i> , 2017, 41, 312-315.	1.0	6
52	Perioperative Hemodynamics in Patients Undergoing Partial Left Ventriculectomy. <i>Journal of Cardiac Surgery</i> , 2001, 16, 48-55.	0.3	5
53	A Novel Composite Biomaterial Made of Jellyfish and Porcine Collagens Accelerates Dermal Wound Healing by Enhancing Reepithelization and Granulation Tissue Formation in Mice. <i>Advances in Wound Care</i> , 2020, 9, 295-311.	2.6	5
54	Ventricular Volume Reduction Procedures. <i>Journal of Cardiac Surgery</i> , 2003, 18, S29-S32.	0.3	4

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55	Artificial Oxygen Carriers: A Clinical Point of View. <i>Artificial Organs</i> , 2009, 33, 97-99.	1.0	4
56	Partial Left Ventriculectomy: History, Current Status, and Future Role. <i>Journal of Cardiac Surgery</i> , 2001, 16, 4-9.	0.3	2
57	Histopathology of Resected Myocardium and Outcome of Partial Left Ventriculectomy. <i>Journal of Cardiac Surgery</i> , 2001, 16, 56-63.	0.3	2
58	Does Repair of Mitral Regurgitation Eliminate the Need for Left Ventricular Volume Reduction?. <i>Journal of Cardiac Surgery</i> , 2003, 18, S95-S100.	0.3	2
59	LIPOSOME-ENCAPSULATED HEMOGLOBIN WITH A HIGH OXYGEN AFFINITY ACCELERATES GASTRIC WOUND HEALING IN THE RAT. <i>ASAIO Journal</i> , 2005, 51, 12A.	0.9	2
60	Static Cardiomyoplasty with Synthetic Elastic Net Suppresses Ventricular Dilatation and Dysfunction After Myocardial Infarction in the Rat: An Acute Study. <i>Journal of Cardiac Surgery</i> , 2005, 20, S12-S16.	0.3	2
61	Partial Left Ventriculectomy in Elderly Patients Not Suitable for Heart Transplantation. <i>Journal of Cardiac Surgery</i> , 2005, 20, S25-S28.	0.3	2
62	Artificial Oxygen Carriers—A Clinical Point of View. <i>Artificial Organs</i> , 2012, 36, 127-129.	1.0	2
63	Transplantation of Fibroblast Sheets with Blood Mononuclear Cell Culture Exerts Cardioprotective Effects by Enhancing Anti-Inflammation and Vasculogenic Potential in Rat Experimental Autoimmune Myocarditis Model. <i>Biology</i> , 2022, 11, 106.	1.3	2
64	Static Cardiomyoplasty With Synthetic Elastic Net Suppresses Ventricular Dilatation and Dysfunction After Myocardial Infarction in the Rat: A Chronic Study. <i>Artificial Organs</i> , 2013, 37, 593-599.	1.0	1
65	Preoperative Risk Levels and Vascular Access in Transcatheter Aortic Valve Implantation-A Single-Institute Analysis-. <i>Artificial Organs</i> , 2017, 41, 130-138.	1.0	1
66	Artificial oxygen carrier improves fatigue resistance in slow muscle but not in fast muscle in a rat in situ model. <i>Artificial Organs</i> , 2020, 44, 72-80.	1.0	1
67	Combined Reparative Approaches for Dilated Failing Ventricles. <i>Journal of Cardiac Surgery</i> , 2005, 20, S1-S2.	0.3	0
68	Letter to Editor. <i>Journal of Cardiac Surgery</i> , 2012, 27, 600-600.	0.3	0
69	Liposome-Encapsulated Hemoglobin: Potential Clinical Applications. , 2013, , 369-383.		0