

# Atsuhiko Kawamoto

## List of Publications by Citations

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75  
papers

8,031  
citations

38  
h-index

78  
g-index

78  
ext. papers

8,569  
ext. citations

7.8  
avg, IF

5.27  
L-index

#	Paper	IF	Citations
75	Therapeutic potential of ex vivo expanded endothelial progenitor cells for myocardial ischemia. <i>Circulation</i> , <b>2001</b> , 103, 634-7	16.7	1059
74	Stromal cell-derived factor-1 effects on ex vivo expanded endothelial progenitor cell recruitment for ischemic neovascularization. <i>Circulation</i> , <b>2003</b> , 107, 1322-8	16.7	998
73	Intramyocardial transplantation of autologous endothelial progenitor cells for therapeutic neovascularization of myocardial ischemia. <i>Circulation</i> , <b>2003</b> , 107, 461-8	16.7	570
72	HMG-CoA reductase inhibitor mobilizes bone marrow-derived endothelial progenitor cells. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 108, 399-405	15.9	532
71	Intramyocardial transplantation of autologous CD34+ stem cells for intractable angina: a phase I/IIa double-blind, randomized controlled trial. <i>Circulation</i> , <b>2007</b> , 115, 3165-72	16.7	450
70	Endothelial progenitor cells for postnatal vasculogenesis. <i>American Journal of Physiology - Cell Physiology</i> , <b>2004</b> , 287, C572-9	5.4	409
69	Concise review: Circulating endothelial progenitor cells for vascular medicine. <i>Stem Cells</i> , <b>2011</b> , 29, 1650-58	5.8	324
68	CD34-positive cells exhibit increased potency and safety for therapeutic neovascularization after myocardial infarction compared with total mononuclear cells. <i>Circulation</i> , <b>2006</b> , 114, 2163-9	16.7	283
67	Dose-dependent contribution of CD34-positive cell transplantation to concurrent vasculogenesis and cardiomyogenesis for functional regenerative recovery after myocardial infarction. <i>Circulation</i> , <b>2006</b> , 113, 1311-25	16.7	262
66	Sonic hedgehog myocardial gene therapy: tissue repair through transient reconstitution of embryonic signaling. <i>Nature Medicine</i> , <b>2005</b> , 11, 1197-204	50.5	253
65	Intramuscular transplantation of G-CSF-mobilized CD34(+) cells in patients with critical limb ischemia: a phase I/IIa, multicenter, single-blinded, dose-escalation clinical trial. <i>Stem Cells</i> , <b>2009</b> , 27, 2857-64	5.8	187
64	Therapeutic potential of vasculogenesis and osteogenesis promoted by peripheral blood CD34-positive cells for functional bone healing. <i>American Journal of Pathology</i> , <b>2006</b> , 169, 1440-57	5.8	186
63	Estradiol enhances recovery after myocardial infarction by augmenting incorporation of bone marrow-derived endothelial progenitor cells into sites of ischemia-induced neovascularization via endothelial nitric oxide synthase-mediated activation of matrix metalloproteinase-9. <i>Circulation</i> , <b>2006</b> , 113, 1605-14	16.7	171
62	Circulating endothelial/skeletal progenitor cells for bone regeneration and healing. <i>Bone</i> , <b>2008</b> , 43, 434-47	4.7	123
61	Specific Jagged-1 signal from bone marrow microenvironment is required for endothelial progenitor cell development for neovascularization. <i>Circulation</i> , <b>2008</b> , 118, 157-65	16.7	105
60	Ischemic preconditioning upregulates vascular endothelial growth factor mRNA expression and neovascularization via nuclear translocation of protein kinase C epsilon in the rat ischemic myocardium. <i>Circulation Research</i> , <b>2001</b> , 88, 696-704	15.7	105
59	Synergistic effect of bone marrow mobilization and vascular endothelial growth factor-2 gene therapy in myocardial ischemia. <i>Circulation</i> , <b>2004</b> , 110, 1398-405	16.7	99

58	Role of progenitor endothelial cells in cardiovascular disease and upcoming therapies. <i>Catheterization and Cardiovascular Interventions</i> , <b>2007</b> , 70, 477-84	2.7	95
57	Fracture induced mobilization and incorporation of bone marrow-derived endothelial progenitor cells for bone healing. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 215, 234-42	7	95
56	Local transplantation of granulocyte colony-stimulating factor-mobilized human peripheral blood mononuclear cells for unhealing bone fractures. <i>Cell Transplantation</i> , <b>2012</b> , 21, 707-21	4	94
55	Endothelial progenitor cells for cardiovascular regeneration. <i>Trends in Cardiovascular Medicine</i> , <b>2008</b> , 18, 33-7	6.9	86
54	Transplantation of endothelial progenitor cells for therapeutic neovascularization. <i>Cardiovascular Radiation Medicine</i> , <b>2002</b> , 3, 221-5		85
53	CD34+ cells represent highly functional endothelial progenitor cells in murine bone marrow. <i>PLoS ONE</i> , <b>2011</b> , 6, e20219	3.7	82
52	Local transplantation of human multipotent adipose-derived stem cells accelerates fracture healing via enhanced osteogenesis and angiogenesis. <i>Laboratory Investigation</i> , <b>2010</b> , 90, 637-49	5.9	74
51	Therapeutic effect of local administration of low-dose simvastatin-conjugated gelatin hydrogel for fracture healing. <i>Journal of Bone and Mineral Research</i> , <b>2012</b> , 27, 1118-31	6.3	67
50	Local delivery of granulocyte colony stimulating factor-mobilized CD34-positive progenitor cells using bioscaffold for modality of unhealing bone fracture. <i>Stem Cells</i> , <b>2008</b> , 26, 1395-405	5.8	67
49	Niche-dependent translineage commitment of endothelial progenitor cells, not cell fusion in general, into myocardial lineage cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 1388-94	9.4	67
48	Bone marrow as a source of endothelial cells for natural and iatrogenic vascular repair. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 953, 75-84	6.5	64
47	Long-term clinical outcome after intramuscular transplantation of granulocyte colony stimulating factor-mobilized CD34 positive cells in patients with critical limb ischemia. <i>Atherosclerosis</i> , <b>2012</b> , 224, 440-5	3.1	62
46	SDF-1/CXCR4 axis in Tie2-lineage cells including endothelial progenitor cells contributes to bone fracture healing. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 95-105	6.3	61
45	Administrations of peripheral blood CD34-positive cells contribute to medial collateral ligament healing via vasculogenesis. <i>Stem Cells</i> , <b>2008</b> , 26, 819-30	5.8	56
44	Development of serum-free quality and quantity control culture of colony-forming endothelial progenitor cell for vasculogenesis. <i>Stem Cells Translational Medicine</i> , <b>2012</b> , 1, 160-71	6.9	54
43	Stem cell-based peripheral vascular regeneration. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 120, 25-40	18.5	52
42	Pivotal role of lnk adaptor protein in endothelial progenitor cell biology for vascular regeneration. <i>Circulation Research</i> , <b>2009</b> , 104, 969-77	15.7	49
41	Synergistic effect of adipose-derived stem cell therapy and bone marrow progenitor recruitment in ischemic heart. <i>Laboratory Investigation</i> , <b>2011</b> , 91, 539-52	5.9	48

40	Differential activity of bone marrow hematopoietic stem cell subpopulations for EPC development and ischemic neovascularization. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 51, 308-17	5.8	46
39	Serum levels of VEGF and basic FGF in the subacute phase of myocardial infarction. <i>International Journal of Cardiology</i> , <b>1998</b> , 67, 47-54	3.2	44
38	Vasculogenic conditioning of peripheral blood mononuclear cells promotes endothelial progenitor cell expansion and phenotype transition of anti-inflammatory macrophage and T lymphocyte to cells with regenerative potential. <i>Journal of the American Heart Association</i> , <b>2014</b> , 3, e000743	6	43
37	Local transplantation of G-CSF-mobilized CD34(+) cells in a patient with tibial nonunion: a case report. <i>Cell Transplantation</i> , <b>2011</b> , 20, 1491-6	4	38
36	Phase II clinical trial of CD34+ cell therapy to explore endpoint selection and timing in patients with critical limb ischemia. <i>Circulation Journal</i> , <b>2014</b> , 78, 490-501	2.9	35
35	Lnk deletion reinforces the function of bone marrow progenitors in promoting neovascularization and astrogliosis following spinal cord injury. <i>Stem Cells</i> , <b>2010</b> , 28, 365-75	5.8	35
34	Local transplantation of granulocyte colony stimulating factor-mobilized CD34+ cells for patients with femoral and tibial nonunion: pilot clinical trial. <i>Stem Cells Translational Medicine</i> , <b>2014</b> , 3, 128-34	6.9	33
33	Magnetic resonance mapping of transplanted endothelial progenitor cells for therapeutic neovascularization in ischemic heart disease. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2004</b> , 26, 137-43	2.3	31
32	Regenerative treatment for tympanic membrane perforation using gelatin sponge with basic fibroblast growth factor. <i>Auris Nasus Larynx</i> , <b>2017</b> , 44, 664-671	2.2	27
31	Endothelial progenitor cells promote astrogliosis following spinal cord injury through Jagged1-dependent Notch signaling. <i>Journal of Neurotrauma</i> , <b>2012</b> , 29, 1758-69	5.4	27
30	Ex-vivo expanded human blood-derived CD133+ cells promote repair of injured spinal cord. <i>Journal of the Neurological Sciences</i> , <b>2013</b> , 328, 41-50	3.2	27
29	Lnk-dependent axis of SCF-cKit signal for osteogenesis in bone fracture healing. <i>Journal of Experimental Medicine</i> , <b>2010</b> , 207, 2207-23	16.6	21
28	Contribution of bone marrow-derived endothelial progenitor cells to neovascularization and astrogliosis following spinal cord injury. <i>Journal of Neuroscience Research</i> , <b>2012</b> , 90, 2281-92	4.4	18
27	Therapeutic potential of unrestricted somatic stem cells isolated from placental cord blood for cardiac repair post myocardial infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1830-5	9.4	18
26	CD34(+) cell therapy is safe and effective in slowing the decline of hepatic reserve function in patients with decompensated liver cirrhosis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2014</b> , 29, 1830-8	4	17
25	Improvement of cardiac stem cell sheet therapy for chronic ischemic injury by adding endothelial progenitor cell transplantation: analysis of layer-specific regional cardiac function. <i>Cell Transplantation</i> , <b>2014</b> , 23, 1305-19	4	17
24	Sonic Hedgehog signaling regulates vascular differentiation and function in human CD34 positive cells: vasculogenic CD34(+) cells with Sonic Hedgehog. <i>Stem Cell Research</i> , <b>2015</b> , 14, 165-76	1.6	17
23	Synchrotron radiation coronary microangiography for morphometric and physiological evaluation of myocardial neovascularization induced by endothelial progenitor cell transplantation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 1326-33	9.4	17

22	Human peripheral blood CD34-positive cells enhance therapeutic regeneration of chronically injured liver in nude rats. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 1538-52	7	15
21	Superior Potential of CD34-Positive Cells Compared to Total Mononuclear Cells for Healing of Nonunion Following Bone Fracture. <i>Cell Transplantation</i> , <b>2015</b> , 24, 1379-93	4	15
20	Local transplantation of ex vivo expanded bone marrow-derived CD34-positive cells accelerates fracture healing. <i>Cell Transplantation</i> , <b>2012</b> , 21, 2689-709	4	14
19	Estimation of coronary flow reserve by intracoronary administration of nicorandil: comparison with intracoronary administration of papaverine. <i>Heart and Vessels</i> , <b>1998</b> , 13, 229-36	2.1	12
18	Autologous CD34+ Cell Therapy for Ischemic Tissue Repair. <i>Circulation Journal</i> , <b>2019</b> , 83, 1422-1430	2.9	11
17	Human cardiac stem cells with reduced notch signaling show enhanced therapeutic potential in a rat acute infarction model. <i>Circulation Journal</i> , <b>2014</b> , 78, 222-31	2.9	11
16	Local Transplantation of Granulocyte Colony-Stimulating Factor-Mobilized Human Peripheral Blood Mononuclear Cells for Unhealing Bone Fractures. <i>Cell Transplantation</i> , <b>2012</b> , 21, 707-721	4	11
15	Autologous Granulocyte Colony-Stimulating Factor-Mobilized Peripheral Blood CD34 Positive Cell Transplantation for Hemodialysis Patients with Critical Limb Ischemia: A Prospective Phase II Clinical Trial. <i>Stem Cells Translational Medicine</i> , <b>2018</b> , 7, 774-782	6.9	10
14	A small interfering RNA targeting Lnk accelerates bone fracture healing with early neovascularization. <i>Laboratory Investigation</i> , <b>2013</b> , 93, 1036-53	5.9	8
13	Hematopoietic stem-cell senescence and myocardial repair - Coronary artery disease genotype/phenotype analysis of post-MI myocardial regeneration response induced by CABG/CD133+ bone marrow hematopoietic stem cell treatment in RCT PERFECT Phase 3. <i>EBioMedicine</i> , <b>2020</b> , 57, 102862	8.8	6
12	Ex vivo expansion of circulating CD34(+) cells enhances the regenerative effect on rat liver cirrhosis. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2016</b> , 3, 16025	6.4	5
11	Vascular endothelial growth factor mRNA synthesis by peripheral blood mononuclear cells in patients with acute myocardial infarction. <i>International Journal of Cardiology</i> , <b>2001</b> , 81, 51-60	3.2	5
10	Multicenter phase III trial of regenerative treatment for chronic tympanic membrane perforation. <i>Auris Nasus Larynx</i> , <b>2021</b> , 48, 1054-1060	2.2	5
9	Angiogenesis in Myocardial Ischemia <b>2013</b> , 261-283		2
8	Cell-Based Therapies for Peripheral Arterial Disease. <i>Journal of Stem Cell Research &amp; Therapy</i> , <b>2014</b> , 04,	1	1
7	A histopathological study of age-related changes of the left bundle branch in the human heart. <i>Pathology International</i> , <b>1991</b> , 41, 730-6	1.8	1
6	Transplantation of Endothelial Progenitor Cells for Therapeutic Neovascularization <b>2003</b> , 31-41		1
5	Granulocyte Colony-Stimulating Factor <b>2017</b> , 191-216		1

- 4 Pre-Clinical Proof of Concept: Intra-Carotid Injection of Autologous CD34-Positive Cells for Chronic Ischemic Stroke.. *Frontiers in Medicine*, **2022**, 9, 681316 4.9 ○
- 3 Vascular Regeneration Therapy: Endothelial Progenitor Cells for Ischemic Diseases **2016**, 35-57
- 2 Vascular Regeneration: Endothelial Progenitor Cell Therapy for Ischemic Diseases **2013**, 881-900
- 1 Vascular Regeneration: Endothelial Progenitor Cell Therapy for Ischemic Diseases **2011**, 731-744