Toru Hosoda

List of Publications by Year in Descending Order

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67 papers	8,494 citations	42 h-index	70 g-index
70 ext. papers	9,094 ext. citations	11.4 avg, IF	4.85 L-index

#	Paper	IF	Citations
67	A rotating cerium anode X-ray system allows visualization of intramural coronary vessels after cardiac stem cell therapy for myocardial infarction. *Journal of Physiological Sciences*, **2018**, 68, 345-353	2.3	
66	Single-cell analysis of the fate of c-kit-positive bone marrow cells. *Npj Regenerative Medicine*, **2017**, 2, 27	15.8	12
65	Cardiovascular Stem Cell Niche **2017**, 93-109		
64	The proliferative potential of human cardiac stem cells was unaffected after a long-term cryopreservation of tissue blocks. *Annals of Translational Medicine*, **2017**, 5, 41	3.2	4
63	Adult Stem Cells in Tissue Maintenance and Regeneration. *Stem Cells International*, **2016**, 2016, 7362879	5	15
62	How do resident stem cells repair the damaged myocardium?. *World Journal of Stem Cells*, **2015**, 7, 182-5	5.6	5
61	c-Kit-positive cardiac stem cells nested in hypoxic niches are activated by stem cell factor reversing the aging myopathy. *Circulation Research*, **2014**, 114, 41-55	15.7	78
60	Myocyte renewal and therapeutic myocardial regeneration using various progenitor cells. *Heart Failure Reviews*, **2014**, 19, 789-97	5	7
59	Cardiac stem cell niches. *Stem Cell Research*, **2014**, 13, 631-46	1.6	61
58	Response to letter regarding article "Inositol 1,4,5-trisphosphate receptors and human left ventricular myocytes". *Circulation*, **2014**, 129, e510-1	16.7	0
57	Inositol 1, 4, 5-trisphosphate receptors and human left ventricular myocytes. *Circulation*, **2013**, 128, 1286-97	16.7	50
56	Therapeutic application of cardiac stem cells and other cell types. *BioMed Research International*, **2013**, 2013, 736815	3	8
55	Dissecting the molecular relationship among various cardiogenic progenitor cells. *Circulation Research*, **2013**, 112, 1253-62	15.7	79
54	The mircrine mechanism controlling cardiac stem cell fate. *Frontiers in Genetics*, **2013**, 4, 204	4.5	12
53	Cardiomyogenesis in the aging and failing human heart. *Circulation*, **2012**, 126, 1869-81	16.7	102
52	Cardiomyogenesis in the developing heart is regulated by c-kit-positive cardiac stem cells. *Circulation Research*, **2012**, 110, 701-15	15.7	92
51	Tracking chromatid segregation to identify human cardiac stem cells that regenerate extensively the infarcted myocardium. *Circulation Research*, **2012**, 111, 894-906	15.7	39

50	Response to Bergmann et al: Carbon 14 Birth Dating of Human Cardiomyocytes. *Circulation Research*, **2012**, 110, e19-e21	15.7	5
49	C-kit-positive cardiac stem cells and myocardial regeneration. *American Journal of Cardiovascular Disease*, **2012**, 2, 58-67	0.9	38
48	Effects of age and heart failure on human cardiac stem cell function. *American Journal of Pathology*, **2011**, 179, 349-66	5.8	163
47	Human cardiac stem cell differentiation is regulated by a mircrine mechanism. *Circulation*, **2011**, 123, 1287-96	16.7	174
46	Cardiac stem cells in patients with ischaemic cardiomyopathy (SCIPIO): initial results of a randomised phase 1 trial. *Lancet, The*, **2011**, 378, 1847-57	40	1075
45	Role of stem cells in cardiovascular biology. *Journal of Thrombosis and Haemostasis*, **2011**, 9 Suppl 1, 151-61	15.4	13
44	Evidence for human lung stem cells. *New England Journal of Medicine*, **2011**, 364, 1795-806	59.2	322
43	Identification of a coronary stem cell in the human heart. *Journal of Molecular Medicine*, **2011**, 89, 947-59	5.5	10
42	The ephrin A1-EphA2 system promotes cardiac stem cell migration after infarction. *Circulation Research*, **2011**, 108, 1071-83	15.7	58
41	Functionally competent cardiac stem cells can be isolated from endomyocardial biopsies of patients with advanced cardiomyopathies. *Circulation Research*, **2011**, 108, 857-61	15.7	94
40	Insulin-like growth factor-1 receptor identifies a pool of human cardiac stem cells with superior therapeutic potential for myocardial regeneration. *Circulation Research*, **2011**, 108, 1467-81	15.7	96
39	Cardiomyogenesis in the adult human heart. *Circulation Research*, **2010**, 107, 305-15	15.7	254
38	Inhibition of notch1-dependent cardiomyogenesis leads to a dilated myopathy in the neonatal heart. *Circulation Research*, **2010**, 107, 429-41	15.7	70
37	Anthracycline cardiomyopathy is mediated by depletion of the cardiac stem cell pool and is rescued by restoration of progenitor cell function. *Circulation*, **2010**, 121, 276-92	16.7	216
36	Myocyte turnover in the aging human heart. *Circulation Research*, **2010**, 107, 1374-86	15.7	220
35	Mechanisms of myocardial regeneration. *Circulation Journal*, **2010**, 74, 13-7	2.9	57
34	Clonality of mouse and human cardiomyogenesis in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17169-74	11.5	120
33	Spontaneous calcium oscillations regulate human cardiac progenitor cell growth. *Circulation Research*, **2009**, 105, 764-74	15.7	74

32	Progenitor cells from the explanted heart generate immunocompatible myocardium within the transplanted donor heart. *Circulation Research*, **2009**, 105, 1128-40	15.7	28
31	Cardiac progenitor cells and biotinylated insulin-like growth factor-1 nanofibers improve endogenous and exogenous myocardial regeneration after infarction. *Circulation*, **2009**, 120, 876-87	16.7	178
30	Identification of a coronary vascular progenitor cell in the human heart. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 15885-90	11.5	170
29	The human heart: a self-renewing organ. *Clinical and Translational Science*, **2008**, 1, 80-6	4.9	18
28	Cardiac stem cells and myocardial disease. *Journal of Molecular and Cellular Cardiology*, **2008**, 45, 505-13	5.8	87
27	Notch1 regulates the fate of cardiac progenitor cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15529-34	11.5	169
26	Myocardial induction of nucleostemin in response to postnatal growth and pathological challenge. *Circulation Research*, **2008**, 103, 89-97	15.7	35
25	Local activation or implantation of cardiac progenitor cells rescues scarred infarcted myocardium improving cardiac function. *Circulation Research*, **2008**, 103, 107-16	15.7	236
24	Formation of large coronary arteries by cardiac progenitor cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1668-73	11.5	142
23	Activation of cardiac progenitor cells reverses the failing heart senescent phenotype and prolongs lifespan. *Circulation Research*, **2008**, 102, 597-606	15.7	163
22	Concise review: stem cells, myocardial regeneration, and methodological artifacts. *Stem Cells*, **2007**, 25, 589-601	5.8	116
21	Myocardial Regeneration by Exogenous and Endogenous Progenitor Cells. *Drug Discovery Today Disease Mechanisms*, **2007**, 4, 197-203		10
20	Progenitor Cells and Cardiac Homeostasis **2007**, 537-550		1
19	The young mouse heart is composed of myocytes heterogeneous in age and function. *Circulation Research*, **2007**, 101, 387-99	15.7	64
18	Adolescent feline heart contains a population of small, proliferative ventricular myocytes with immature physiological properties. *Circulation Research*, **2007**, 100, 536-44	15.7	102
17	Human cardiac stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 14068-73	11.5	827
16	Bone marrow cells adopt the cardiomyogenic fate in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17783-8	11.5	261
15	Stem cell niches in the adult mouse heart. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 9226-31	11.5	386

14	Diabetes promotes cardiac stem cell aging and heart failure, which are prevented by deletion of the p66shc gene. *Circulation Research*, **2006**, 99, 42-52	15.7	288
13	The telomere-telomerase axis and the heart. *Antioxidants and Redox Signaling*, **2006**, 8, 2125-41	8.4	27
12	Bone marrow cells differentiate in cardiac cell lineages after infarction independently of cell fusion. *Circulation Research*, **2005**, 96, 127-37	15.7	420
11	The use of a supercooling refrigerator improves the preservation of organ grafts. *Biochemical and Biophysical Research Communications*, **2005**, 337, 534-9	3.4	25
10	Myocardial aging--a stem cell problem. *Basic Research in Cardiology*, **2005**, 100, 482-93	11.8	96
9	Cardiac stem cells possess growth factor-receptor systems that after activation regenerate the infarcted myocardium, improving ventricular function and long-term survival. *Circulation Research*, **2005**, 97, 663-73	15.7	453
8	Novel point mutation in the cardiac transcription factor CSX/NKX2.5 associated with congenital heart disease. *Circulation Journal*, **2002**, 66, 561-3	2.9	77
7	Dual effects of the homeobox transcription factor Csx/Nkx2-5 on cardiomyocytes. *Biochemical and Biophysical Research Communications*, **2002**, 298, 493-500	3.4	23
6	A novel myocyte-specific gene Midori promotes the differentiation of P19CL6 cells into cardiomyocytes. *Journal of Biological Chemistry*, **2001**, 276, 35978-89	5.4	37
5	Smads, TAK1, and their common target ATF-2 play a critical role in cardiomyocyte differentiation. *Journal of Cell Biology*, **2001**, 153, 687-98	7.3	125
4	Bone morphogenetic proteins induce cardiomyocyte differentiation through the mitogen-activated protein kinase kinase kinase TAK1 and cardiac transcription factors Csx/Nkx-2.5 and GATA-4. *Molecular and Cellular Biology*, **1999**, 19, 7096-105	4.8	210
3	Familial atrial septal defect and atrioventricular conduction disturbance associated with a point mutation in the cardiac homeobox gene CSX/NKX2-5 in a Japanese patient. *Japanese Circulation Journal*, **1999**, 63, 425-6		45
2	Molecular cloning of human homolog of yeast GAA1 which is required for attachment of glycosylphosphatidylinositols to proteins. *FEBS Letters*, **1998**, 421, 252-8	3.8	43
1	Assignment of the human GPAA1 gene, which encodes a product required for the attachment of glycosylphosphatidylinositols to proteins, at 8q24. *Genomics*, **1998**, 54, 354-5	4.3	5