

# Toru Hosoda

## List of Publications by Citations

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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	Cardiac stem cells in patients with ischaemic cardiomyopathy (SCIPIO): initial results of a randomised phase 1 trial. <i>Lancet, The</i> , <b>2011</b> , 378, 1847-57	40	1075
66	Human cardiac stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 14068-73	11.5	827
65	Cardiac stem cells possess growth factor-receptor systems that after activation regenerate the infarcted myocardium, improving ventricular function and long-term survival. <i>Circulation Research</i> , <b>2005</b> , 97, 663-73	15.7	453
64	Bone marrow cells differentiate in cardiac cell lineages after infarction independently of cell fusion. <i>Circulation Research</i> , <b>2005</b> , 96, 127-37	15.7	420
63	Stem cell niches in the adult mouse heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 9226-31	11.5	386
62	Evidence for human lung stem cells. <i>New England Journal of Medicine</i> , <b>2011</b> , 364, 1795-806	59.2	322
61	Diabetes promotes cardiac stem cell aging and heart failure, which are prevented by deletion of the p66shc gene. <i>Circulation Research</i> , <b>2006</b> , 99, 42-52	15.7	288
60	Bone marrow cells adopt the cardiomyogenic fate in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 17783-8	11.5	261
59	Cardiomyogenesis in the adult human heart. <i>Circulation Research</i> , <b>2010</b> , 107, 305-15	15.7	254
58	Local activation or implantation of cardiac progenitor cells rescues scarred infarcted myocardium improving cardiac function. <i>Circulation Research</i> , <b>2008</b> , 103, 107-16	15.7	236
57	Myocyte turnover in the aging human heart. <i>Circulation Research</i> , <b>2010</b> , 107, 1374-86	15.7	220
56	Anthracycline cardiomyopathy is mediated by depletion of the cardiac stem cell pool and is rescued by restoration of progenitor cell function. <i>Circulation</i> , <b>2010</b> , 121, 276-92	16.7	216
55	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. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 7096-105	4.8	210
54	Cardiac progenitor cells and biotinylated insulin-like growth factor-1 nanofibers improve endogenous and exogenous myocardial regeneration after infarction. <i>Circulation</i> , <b>2009</b> , 120, 876-87	16.7	178
53	Human cardiac stem cell differentiation is regulated by a mircrine mechanism. <i>Circulation</i> , <b>2011</b> , 123, 1287-96	16.7	174
52	Identification of a coronary vascular progenitor cell in the human heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 15885-90	11.5	170
51	Notch1 regulates the fate of cardiac progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 15529-34	11.5	169

50	Effects of age and heart failure on human cardiac stem cell function. <i>American Journal of Pathology</i> , <b>2011</b> , 179, 349-66	5.8	163
49	Activation of cardiac progenitor cells reverses the failing heart senescent phenotype and prolongs lifespan. <i>Circulation Research</i> , <b>2008</b> , 102, 597-606	15.7	163
48	Formation of large coronary arteries by cardiac progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 1668-73	11.5	142
47	Smads, TAK1, and their common target ATF-2 play a critical role in cardiomyocyte differentiation. <i>Journal of Cell Biology</i> , <b>2001</b> , 153, 687-98	7.3	125
46	Clonality of mouse and human cardiomyogenesis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 17169-74	11.5	120
45	Concise review: stem cells, myocardial regeneration, and methodological artifacts. <i>Stem Cells</i> , <b>2007</b> , 25, 589-601	5.8	116
44	Cardiomyogenesis in the aging and failing human heart. <i>Circulation</i> , <b>2012</b> , 126, 1869-81	16.7	102
43	Adolescent feline heart contains a population of small, proliferative ventricular myocytes with immature physiological properties. <i>Circulation Research</i> , <b>2007</b> , 100, 536-44	15.7	102
42	Insulin-like growth factor-1 receptor identifies a pool of human cardiac stem cells with superior therapeutic potential for myocardial regeneration. <i>Circulation Research</i> , <b>2011</b> , 108, 1467-81	15.7	96
41	Myocardial aging--a stem cell problem. <i>Basic Research in Cardiology</i> , <b>2005</b> , 100, 482-93	11.8	96
40	Functionally competent cardiac stem cells can be isolated from endomyocardial biopsies of patients with advanced cardiomyopathies. <i>Circulation Research</i> , <b>2011</b> , 108, 857-61	15.7	94
39	Cardiomyogenesis in the developing heart is regulated by c-kit-positive cardiac stem cells. <i>Circulation Research</i> , <b>2012</b> , 110, 701-15	15.7	92
38	Cardiac stem cells and myocardial disease. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2008</b> , 45, 505-13	5.8	87
37	Dissecting the molecular relationship among various cardiogenic progenitor cells. <i>Circulation Research</i> , <b>2013</b> , 112, 1253-62	15.7	79
36	c-Kit-positive cardiac stem cells nested in hypoxic niches are activated by stem cell factor reversing the aging myopathy. <i>Circulation Research</i> , <b>2014</b> , 114, 41-55	15.7	78
35	Novel point mutation in the cardiac transcription factor CSX/NKX2.5 associated with congenital heart disease. <i>Circulation Journal</i> , <b>2002</b> , 66, 561-3	2.9	77
34	Spontaneous calcium oscillations regulate human cardiac progenitor cell growth. <i>Circulation Research</i> , <b>2009</b> , 105, 764-74	15.7	74
33	Inhibition of notch1-dependent cardiomyogenesis leads to a dilated myopathy in the neonatal heart. <i>Circulation Research</i> , <b>2010</b> , 107, 429-41	15.7	70

32	The young mouse heart is composed of myocytes heterogeneous in age and function. <i>Circulation Research</i> , <b>2007</b> , 101, 387-99	15.7	64
31	Cardiac stem cell niches. <i>Stem Cell Research</i> , <b>2014</b> , 13, 631-46	1.6	61
30	The ephrin A1-EphA2 system promotes cardiac stem cell migration after infarction. <i>Circulation Research</i> , <b>2011</b> , 108, 1071-83	15.7	58
29	Mechanisms of myocardial regeneration. <i>Circulation Journal</i> , <b>2010</b> , 74, 13-7	2.9	57
28	Inositol 1, 4, 5-trisphosphate receptors and human left ventricular myocytes. <i>Circulation</i> , <b>2013</b> , 128, 1286-97	6.7	50
27	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. <i>Japanese Circulation Journal</i> , <b>1999</b> , 63, 425-6		45
26	Molecular cloning of human homolog of yeast GAA1 which is required for attachment of glycosylphosphatidylinositols to proteins. <i>FEBS Letters</i> , <b>1998</b> , 421, 252-8	3.8	43
25	Tracking chromatid segregation to identify human cardiac stem cells that regenerate extensively the infarcted myocardium. <i>Circulation Research</i> , <b>2012</b> , 111, 894-906	15.7	39
24	C-kit-positive cardiac stem cells and myocardial regeneration. <i>American Journal of Cardiovascular Disease</i> , <b>2012</b> , 2, 58-67	0.9	38
23	A novel myocyte-specific gene Midori promotes the differentiation of P19CL6 cells into cardiomyocytes. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 35978-89	5.4	37
22	Myocardial induction of nucleostemin in response to postnatal growth and pathological challenge. <i>Circulation Research</i> , <b>2008</b> , 103, 89-97	15.7	35
21	Progenitor cells from the explanted heart generate immunocompatible myocardium within the transplanted donor heart. <i>Circulation Research</i> , <b>2009</b> , 105, 1128-40	15.7	28
20	The telomere-telomerase axis and the heart. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 2125-41	8.4	27
19	The use of a supercooling refrigerator improves the preservation of organ grafts. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 337, 534-9	3.4	25
18	Dual effects of the homeobox transcription factor Csx/Nkx2-5 on cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 298, 493-500	3.4	23
17	The human heart: a self-renewing organ. <i>Clinical and Translational Science</i> , <b>2008</b> , 1, 80-6	4.9	18
16	Adult Stem Cells in Tissue Maintenance and Regeneration. <i>Stem Cells International</i> , <b>2016</b> , 2016, 73628795		15
15	Role of stem cells in cardiovascular biology. <i>Journal of Thrombosis and Haemostasis</i> , <b>2011</b> , 9 Suppl 1, 151-514	6.4	13

14	Single-cell analysis of the fate of c-kit-positive bone marrow cells. <i>Npj Regenerative Medicine</i> , <b>2017</b> , 2, 27	15.8	12
13	The mircrine mechanism controlling cardiac stem cell fate. <i>Frontiers in Genetics</i> , <b>2013</b> , 4, 204	4.5	12
12	Identification of a coronary stem cell in the human heart. <i>Journal of Molecular Medicine</i> , <b>2011</b> , 89, 947-55	5.5	10
11	Myocardial Regeneration by Exogenous and Endogenous Progenitor Cells. <i>Drug Discovery Today Disease Mechanisms</i> , <b>2007</b> , 4, 197-203		10
10	Therapeutic application of cardiac stem cells and other cell types. <i>BioMed Research International</i> , <b>2013</b> , 2013, 736815	3	8
9	Myocyte renewal and therapeutic myocardial regeneration using various progenitor cells. <i>Heart Failure Reviews</i> , <b>2014</b> , 19, 789-97	5	7
8	Response to Bergmann et al: Carbon 14 Birth Dating of Human Cardiomyocytes. <i>Circulation Research</i> , <b>2012</b> , 110, e19-e21	15.7	5
7	Assignment of the human GPAA1 gene, which encodes a product required for the attachment of glycosylphosphatidylinositols to proteins, at 8q24. <i>Genomics</i> , <b>1998</b> , 54, 354-5	4.3	5
6	How do resident stem cells repair the damaged myocardium?. <i>World Journal of Stem Cells</i> , <b>2015</b> , 7, 182-5	5.6	5
5	The proliferative potential of human cardiac stem cells was unaffected after a long-term cryopreservation of tissue blocks. <i>Annals of Translational Medicine</i> , <b>2017</b> , 5, 41	3.2	4
4	Progenitor Cells and Cardiac Homeostasis <b>2007</b> , 537-550		1
3	Response to letter regarding article "Inositol 1,4,5-trisphosphate receptors and human left ventricular myocytes". <i>Circulation</i> , <b>2014</b> , 129, e510-1	16.7	0
2	Cardiovascular Stem Cell Niche <b>2017</b> , 93-109		
1	A rotating cerium anode X-ray system allows visualization of intramural coronary vessels after cardiac stem cell therapy for myocardial infarction. <i>Journal of Physiological Sciences</i> , <b>2018</b> , 68, 345-353	2.3	