

# Satoshi Nishimura

## 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.

66

papers

4,436

citations

27

h-index

66

g-index

76

ext. papers

5,090

ext. citations

7.7

avg, IF

4.56

L-index

#	Paper	IF	Citations
66	CD8+ effector T cells contribute to macrophage recruitment and adipose tissue inflammation in obesity. <i>Nature Medicine</i> , <b>2009</b> , 15, 914-20	50.5	1567
65	Adipogenesis in obesity requires close interplay between differentiating adipocytes, stromal cells, and blood vessels. <i>Diabetes</i> , <b>2007</b> , 56, 1517-26	0.9	362
64	Transient activation of c-MYC expression is critical for efficient platelet generation from human induced pluripotent stem cells. <i>Journal of Experimental Medicine</i> , <b>2010</b> , 207, 2817-30	16.6	255
63	Expandable megakaryocyte cell lines enable clinically applicable generation of platelets from human induced pluripotent stem cells. <i>Cell Stem Cell</i> , <b>2014</b> , 14, 535-48	18	220
62	Essential in vivo roles of the C-type lectin receptor CLEC-2: embryonic/neonatal lethality of CLEC-2-deficient mice by blood/lymphatic misconnections and impaired thrombus formation of CLEC-2-deficient platelets. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 24494-507	5.4	193
61	In vivo imaging in mice reveals local cell dynamics and inflammation in obese adipose tissue. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 710-21	15.9	188
60	IL-1 $\beta$ induces thrombopoiesis through megakaryocyte rupture in response to acute platelet needs. <i>Journal of Cell Biology</i> , <b>2015</b> , 209, 453-66	7.3	158
59	Adipose Natural Regulatory B Cells Negatively Control Adipose Tissue Inflammation. <i>Cell Metabolism</i> , <b>2013</b> , 18, 759-766	24.6	145
58	Turbulence Activates Platelet Biogenesis to Enable Clinical Scale ExVivo Production. <i>Cell</i> , <b>2018</b> , 174, 636-648.e18	56.2	140
57	TMEM16F is required for phosphatidylserine exposure and microparticle release in activated mouse platelets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 12800-5	11.5	131
56	Macrophage-inducible C-type lectin underlies obesity-induced adipose tissue fibrosis. <i>Nature Communications</i> , <b>2014</b> , 5, 4982	17.4	104
55	Simultaneous downregulation of KLF5 and Fli1 is a key feature underlying systemic sclerosis. <i>Nature Communications</i> , <b>2014</b> , 5, 5797	17.4	98
54	Single cell mechanics of rat cardiomyocytes under isometric, unloaded, and physiologically loaded conditions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2004</b> , 287, H196-202	5.2	79
53	CRISPR/Cas9-mediated genome editing via postnatal administration of AAV vector cures haemophilia B mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 4159	4.9	78
52	Microtubules modulate the stiffness of cardiomyocytes against shear stress. <i>Circulation Research</i> , <b>2006</b> , 98, 81-7	15.7	76
51	Lnk regulates integrin $\alpha$ IIb $\beta$ 3 outside-in signaling in mouse platelets, leading to stabilization of thrombus development in vivo. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 179-90	15.9	71
50	In vivo imaging visualizes discoid platelet aggregations without endothelium disruption and implicates contribution of inflammatory cytokine and integrin signaling. <i>Blood</i> , <b>2012</b> , 119, e45-56	2.2	63

49	ENPP2 contributes to adipose tissue expansion and insulin resistance in diet-induced obesity. <i>Diabetes</i> , <b>2014</b> , 63, 4154-64	0.9	57
48	Alendronate inhalation ameliorates elastase-induced pulmonary emphysema in mice by induction of apoptosis of alveolar macrophages. <i>Nature Communications</i> , <b>2015</b> , 6, 6332	17.4	49
47	ASC in renal collecting duct epithelial cells contributes to inflammation and injury after unilateral ureteral obstruction. <i>American Journal of Pathology</i> , <b>2014</b> , 184, 1287-98	5.8	48
46	Nanosilica-induced placental inflammation and pregnancy complications: Different roles of the inflammasome components NLRP3 and ASC. <i>Nanotoxicology</i> , <b>2015</b> , 9, 554-67	5.3	46
45	Structural heterogeneity in the ventricular wall plays a significant role in the initiation of stretch-induced arrhythmias in perfused rabbit right ventricular tissues and whole heart preparations. <i>Circulation Research</i> , <b>2010</b> , 106, 176-84	15.7	40
44	Transplantation of bioengineered rat lungs recellularized with endothelial and adipose-derived stromal cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 8447	4.9	34
43	Carbon fiber technique for the investigation of single-cell mechanics in intact cardiac myocytes. <i>Nature Protocols</i> , <b>2006</b> , 1, 1453-7	18.8	34
42	Responses of single-ventricular myocytes to dynamic axial stretching. <i>Progress in Biophysics and Molecular Biology</i> , <b>2008</b> , 97, 282-97	4.7	33
41	Selective Inhibition of ADAM17 Efficiently Mediates Glycoprotein Ib/Retention During Ex Vivo Generation of Human Induced Pluripotent Stem Cell-Derived Platelets. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 720-730	6.9	29
40	Membrane potential of rat ventricular myocytes responds to axial stretch in phase, amplitude and speed-dependent manners. <i>Cardiovascular Research</i> , <b>2006</b> , 72, 403-11	9.9	28
39	Roles of ADAM8 in elimination of injured muscle fibers prior to skeletal muscle regeneration. <i>Mechanisms of Development</i> , <b>2015</b> , 135, 58-67	1.7	16
38	Expression of green fluorescent protein impairs the force-generating ability of isolated rat ventricular cardiomyocytes. <i>Molecular and Cellular Biochemistry</i> , <b>2006</b> , 286, 59-65	4.2	16
37	Paxillin is an intrinsic negative regulator of platelet activation in mice. <i>Thrombosis Journal</i> , <b>2014</b> , 12, 1	5.6	14
36	Follow-up study of aortic-valve replacement surgery in patients with Takayasu's disease complicated by aortic regurgitation. <i>Circulation Journal</i> , <b>2002</b> , 66, 564-6	2.9	11
35	Von Willebrand Factor Aggravates Hepatic Ischemia-Reperfusion Injury by Promoting Neutrophil Recruitment in Mice. <i>Thrombosis and Haemostasis</i> , <b>2018</b> , 118, 700-708	7	9
34	Contractile dysfunction of cardiomyopathic hamster myocytes is pronounced under high load conditions. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2005</b> , 39, 231-9	5.8	9
33	Development of a Unique T Cell Receptor Gene-Transferred Tax-Redirected T Cell Immunotherapy for Adult T Cell Leukemia. <i>Biology of Blood and Marrow Transplantation</i> , <b>2020</b> , 26, 1377-1385	4.7	7
32	Relevance of cardiomyocyte mechano-electric coupling to stretch-induced arrhythmias: optical voltage/calcium measurement in mechanically stimulated cells, tissues and organs. <i>Progress in Biophysics and Molecular Biology</i> , <b>2014</b> , 115, 129-39	4.7	7

31	The Frequency of Peripheral Blood CD4FoxP3 Regulatory T Cells in Women With Pre-eclampsia and Those With High-risk Factors for Pre-eclampsia. <i>Hypertension in Pregnancy</i> , <b>2015</b> , 34, 443-455	2	6
30	In vitro yeast reconstituted translation system reveals function of eIF5A for synthesis of long polypeptide. <i>Journal of Biochemistry</i> , <b>2020</b> , 167, 451-462	3.1	4
29	M1 macrophage infiltration exacerbate muscle/bone atrophy after peripheral nerve injury. <i>BMC Musculoskeletal Disorders</i> , <b>2020</b> , 21, 44	2.8	3
28	Adipose tissue remodeling and chronic inflammation in obesity visualized by in vivo molecular imaging method. <i>Journal of Biorheology</i> , <b>2010</b> , 24, 11-15	0.3	3
27	Cancellation of c-MYC Silencing in Human Induced Pluripotent Stem Cells Contributes to the Efficient in Vitro Production of Platelets with the Ability of Hemostasis In Vivo.. <i>Blood</i> , <b>2009</b> , 114, 1488-1488	2.2	1
26	Decreased circulating levels of plasmacytoid dendritic cells in women with early-onset preeclampsia. <i>Journal of Reproductive Immunology</i> , <b>2020</b> , 141, 103170	4.2	1
25	Macrophages fine-tune pupil shape during development. <i>Developmental Biology</i> , <b>2020</b> , 464, 137-144	3.1	0
24	Multi-modal in vivo visualization of single cell dynamics by 1P, 2P, light-sheet, and on-chip technologies <b>2016</b> , 147-148		
23	Restored interlaced volumetric imaging increases image quality and scanning speed during intravital imaging in living mice. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e201960204	3.1	
22	High-speed/Long-time, High-Resolution/Large-Fields In Vivo Imaging By 4K/8K CMOS Sensors without Trade-Off Factors. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1144-1145	0.5	
21	Dynamics of Thrombus Formation in Mouse Testicular Surface Vein Visualized by Newly Devised Vascular Mapping Method for Live-CLEM Imaging in vivo. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1493-1494	0.5	
20	Rupture Type Thrombopoiesis from Bone Megakaryocyte is Regulated by IL-1Alpha: Visualization by Two Photon Microscopy and Software Analysis. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1717-1718	0.5	
19	In Vivo Imaging and Software Analysis Revealed the Contribution of Endothelial Damage to Thrombus Development Processes. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1719-1720	0.5	
18	C1-O-03 Dynamics of Thrombus Formation in Mouse Testicular Surface Vein Visualized by Newly Devised Vascular Mapping Method for Live-CLEM Imaging in vivo.. <i>Microscopy (Oxford, England)</i> , <b>2015</b> , 64, i63.1-i63	1.3	
17	In vivo Multi-Photon Molecular Imaging Visualizes Inflammatory and Immune Cell Cross-Talks in Adult Common Disease . <i>Nippon Laser Igakkaishi</i> , <b>2013</b> , 34, 77-81	0	
16	Adipose Tissue Remodeling, Chronic Inflammation and T-cell-macrophage Interactions in Obesity Visualized by in vivo Molecular Imaging Method. <i>Inflammation Research</i> , <b>2009</b> , 58, S234-S238	7.2	
15	3P297 In Vivo molecular imaging revealed adipose tissue malfunction and remodeling in obesity(Bioimaging. The genesis of life, and biological evolution, Oral Presentations). <i>Seibutsu Butsuri</i> , <b>2007</b> , 47, S277	0	
14	1S-B1-1 Broader, Longer, and Deeper in Vivo Scalable Imaging of Hemostasis, Inflammation, and Regenerative Responses. <i>Microscopy (Oxford, England)</i> , <b>2017</b> , 66, i8-i8	1.3	

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| 13 | Bone Imaging: Platelet Formation Dynamics. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1763, 23-28   | 1.4  |
| 12 | Scalable in vivo imaging. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , <b>2018</b> , 2018.30, 14PM2  | 0    |
| 11 | Imaging of Complications in Atherosclerosis: Thrombosis and Platelet Aggregation <b>2015</b> , 171-184   |      |
| 10 | Imaging for thrombopoiesis and thrombus formation. <i>Japanese Journal of Thrombosis and Hemostasis</i> , <b>2016</b> , 27, 526-531  | 0    |
| 9  | High-Vorticity with Periodic Flow Enhances in Vitro Biogenesis of Healthy Platelets from iPSC-Derived-Megakaryocytes. <i>Blood</i> , <b>2016</b> , 128, 2181-2181  | 2.2  |
| 8  | Obese adipose tissue remodeling, malfunctioning, and chronic inflammation visualized by in vivo molecular imaging. <i>Inflammation and Regeneration</i> , <b>2009</b> , 29, 118-122                                    | 10.9 |
| 7  | [Image] In vivo molecular imaging reveals parenchymal and interstitial cell cross-talks in chronic inflammatory diseases. <i>Japanese Journal of Thrombosis and Hemostasis</i> , <b>2010</b> , 21, 447-451             | 0    |
| 6  | Direct and Continuous Inhibition of ADAM17 Using a Novel Selective Inhibitor Restores Functional Platelet Yield From Human Pluripotent Stem Cells. <i>Blood</i> , <b>2011</b> , 118, 2323-2323                         | 2.2  |
| 5  | Adipose tissue remodeling associated with chronic inflammation and abnormal local immunity in obesity visualized by in vivo molecular imaging method. <i>Inflammation and Regeneration</i> , <b>2012</b> , 32, 165-170 | 10.9 |
| 4  | In vivo imaging and thrombus formation. <i>Japanese Journal of Thrombosis and Hemostasis</i> , <b>2013</b> , 24, 396-401   |      |
| 3  | Visualization of thrombus formation in vivo. <i>Japanese Journal of Thrombosis and Hemostasis</i> , <b>2013</b> , 24, 588-592  | 0    |
| 2  | Thrombus Development Processes Are Dependent On Endothelial Injuries: Examined By In Vivo Molecular Imaging. <i>Blood</i> , <b>2013</b> , 122, 1070-1070   | 2.2  |
| 1  | Morphological Distinction Unravels Mechanisms Of Platelet Biogenesis From Bone Marrow Megakaryocytes. <i>Blood</i> , <b>2013</b> , 122, 2428-2428  | 2.2  |