

Satoshi Nishimura

List of Publications by Year in Descending Order

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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	In vitro yeast reconstituted translation system reveals function of eIF5A for synthesis of long polypeptide. <i>Journal of Biochemistry</i> , 2020 , 167, 451-462	3.1	4
65	Macrophages fine-tune pupil shape during development. <i>Developmental Biology</i> , 2020 , 464, 137-144	3.1	0
64	Restored interlaced volumetric imaging increases image quality and scanning speed during intravital imaging in living mice. <i>Journal of Biophotonics</i> , 2020 , 13, e201960204	3.1	
63	M1 macrophage infiltration exacerbate muscle/bone atrophy after peripheral nerve injury. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 44	2.8	3
62	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> , 2020 , 26, 1377-1385	4.7	7
61	Decreased circulating levels of plasmacytoid dendritic cells in women with early-onset preeclampsia. <i>Journal of Reproductive Immunology</i> , 2020 , 141, 103170	4.2	1
60	Von Willebrand Factor Aggravates Hepatic Ischemia-Reperfusion Injury by Promoting Neutrophil Recruitment in Mice. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 700-708	7	9
59	Turbulence Activates Platelet Biogenesis to Enable Clinical Scale ExVivo Production. <i>Cell</i> , 2018 , 174, 636-648.e18	56.2	140
58	Bone Imaging: Platelet Formation Dynamics. <i>Methods in Molecular Biology</i> , 2018 , 1763, 23-28	1.4	
57	Scalable in vivo imaging. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2018 , 2018.30, 14PM2	0	
56	Transplantation of bioengineered rat lungs recellularized with endothelial and adipose-derived stromal cells. <i>Scientific Reports</i> , 2017 , 7, 8447	4.9	34
55	CRISPR/Cas9-mediated genome editing via postnatal administration of AAV vector cures haemophilia B mice. <i>Scientific Reports</i> , 2017 , 7, 4159	4.9	78
54	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> , 2017 , 6, 720-730	6.9	29
53	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> , 2017 , 23, 1144-1145	0.5	
52	1S-B1-1 Broader, Longer, and Deeper in Vivo Scalable Imaging of Hemostasis, Inflammation, and Regenerative Responses. <i>Microscopy (Oxford, England)</i> , 2017 , 66, i8-i8	1.3	
51	Multi-modal in vivo visualization of single cell dynamics by 1P, 2P, light-sheet, and on-chip technologies 2016 , 147-148		
50	Imaging for thrombopoiesis and thrombus formation. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2016 , 27, 526-531	0	

49	High-Vorticity with Periodic Flow Enhances in Vitro Biogenesis of Healthy Platelets from iPSC-Derived-Megakaryocytes. <i>Blood</i> , 2016 , 128, 2181-2181	2.2	
48	Alendronate inhalation ameliorates elastase-induced pulmonary emphysema in mice by induction of apoptosis of alveolar macrophages. <i>Nature Communications</i> , 2015 , 6, 6332	17.4	49
47	IL-1 β Induces thrombopoiesis through megakaryocyte rupture in response to acute platelet needs. <i>Journal of Cell Biology</i> , 2015 , 209, 453-66	7.3	158
46	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> , 2015 , 112, 12800-5	11.5	131
45	Nanosilica-induced placental inflammation and pregnancy complications: Different roles of the inflammasome components NLRP3 and ASC. <i>Nanotoxicology</i> , 2015 , 9, 554-67	5.3	46
44	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> , 2015 , 21, 1493-1494	0.5	0.5
43	Rupture Type Thrombopoiesis from Bone Megakaryocyte is Regulated by IL-1 α : Visualization by Two Photon Microscopy and Software Analysis. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1717-1718	0.5	
42	In Vivo Imaging and Software Analysis Revealed the Contribution of Endothelial Damage to Thrombus Development Processes. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1719-1720	0.5	
41	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> , 2015 , 64, i63.1-i63	1.3	
40	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> , 2015 , 34, 443-455	2	6
39	Roles of ADAM8 in elimination of injured muscle fibers prior to skeletal muscle regeneration. <i>Mechanisms of Development</i> , 2015 , 135, 58-67	1.7	16
38	Imaging of Complications in Atherosclerosis: Thrombosis and Platelet Aggregation 2015 , 171-184		
37	Macrophage-inducible C-type lectin underlies obesity-induced adipose tissue fibrosis. <i>Nature Communications</i> , 2014 , 5, 4982	17.4	104
36	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> , 2014 , 115, 129-39	4.7	7
35	ENPP2 contributes to adipose tissue expansion and insulin resistance in diet-induced obesity. <i>Diabetes</i> , 2014 , 63, 4154-64	0.9	57
34	Expandable megakaryocyte cell lines enable clinically applicable generation of platelets from human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2014 , 14, 535-48	18	220
33	Simultaneous downregulation of KLF5 and Fli1 is a key feature underlying systemic sclerosis. <i>Nature Communications</i> , 2014 , 5, 5797	17.4	98
32	Paxillin is an intrinsic negative regulator of platelet activation in mice. <i>Thrombosis Journal</i> , 2014 , 12, 1	5.6	14

31	ASC in renal collecting duct epithelial cells contributes to inflammation and injury after unilateral ureteral obstruction. <i>American Journal of Pathology</i> , 2014 , 184, 1287-98	5.8	48
30	Adipose Natural Regulatory B Cells Negatively Control Adipose Tissue Inflammation. <i>Cell Metabolism</i> , 2013 , 18, 759-766	24.6	145
29	In vivo Multi-Photon Molecular Imaging Visualizes Inflammatory and Immune Cell Cross-Talks in Adult Common Disease . <i>Nippon Laser Igakkaishi</i> , 2013 , 34, 77-81	0	
28	In vivo imaging and thrombus formation. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2013 , 24, 396-401		
27	Visualization of thrombus formation in vivo. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2013 , 24, 588-592	0	
26	Thrombus Development Processes Are Dependent On Endothelial Injuries: Examined By In Vivo Molecular Imaging. <i>Blood</i> , 2013 , 122, 1070-1070	2.2	
25	Morphological Distinction Unravels Mechanisms Of Platelet Biogenesis From Bone Marrow Megakaryocytes. <i>Blood</i> , 2013 , 122, 2428-2428	2.2	
24	In vivo imaging visualizes discoid platelet aggregations without endothelium disruption and implicates contribution of inflammatory cytokine and integrin signaling. <i>Blood</i> , 2012 , 119, e45-56	2.2	63
23	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> , 2012 , 32, 165-170	10.9	
22	Direct and Continuous Inhibition of ADAM17 Using a Novel Selective Inhibitor Restores Functional Platelet Yield From Human Pluripotent Stem Cells. <i>Blood</i> , 2011 , 118, 2323-2323	2.2	
21	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> , 2010 , 106, 176-84	15.7	40
20	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> , 2010 , 285, 24494-507	5.4	193
19	Transient activation of c-MYC expression is critical for efficient platelet generation from human induced pluripotent stem cells. <i>Journal of Experimental Medicine</i> , 2010 , 207, 2817-30	16.6	255
18	Adipose tissue remodeling and chronic inflammation in obesity visualized by in vivo molecular imaging method. <i>Journal of Biochemistry</i> , 2010 , 24, 11-15	0.3	3
17	Lnk regulates integrin alphaIIb beta3 outside-in signaling in mouse platelets, leading to stabilization of thrombus development in vivo. <i>Journal of Clinical Investigation</i> , 2010 , 120, 179-90	15.9	71
16	[Image] In vivo molecular imaging reveals parenchymal and interstitial cell cross-talks in chronic inflammatory diseases. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2010 , 21, 447-451	0	
15	Adipose Tissue Remodeling, Chronic Inflammation and T-cell-macrophage Interactions in Obesity Visualized by in vivo Molecular Imaging Method. <i>Inflammation Research</i> , 2009 , 58, S234-S238	7.2	
14	CD8+ effector T cells contribute to macrophage recruitment and adipose tissue inflammation in obesity. <i>Nature Medicine</i> , 2009 , 15, 914-20	50.5	1567

13	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> , 2009 , 114, 1488-1488	2.3	1
12	Obese adipose tissue remodeling, malfunctioning, and chronic inflammation visualized by in vivo molecular imaging. <i>Inflammation and Regeneration</i> , 2009 , 29, 118-122	10.9	
11	Responses of single-ventricular myocytes to dynamic axial stretching. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 97, 282-97	4.7	33
10	In vivo imaging in mice reveals local cell dynamics and inflammation in obese adipose tissue. <i>Journal of Clinical Investigation</i> , 2008 , 118, 710-21	15.9	188
9	Adipogenesis in obesity requires close interplay between differentiating adipocytes, stromal cells, and blood vessels. <i>Diabetes</i> , 2007 , 56, 1517-26	0.9	362
8	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> , 2007 , 47, S277	0	
7	Microtubules modulate the stiffness of cardiomyocytes against shear stress. <i>Circulation Research</i> , 2006 , 98, 81-7	15.7	76
6	Membrane potential of rat ventricular myocytes responds to axial stretch in phase, amplitude and speed-dependent manners. <i>Cardiovascular Research</i> , 2006 , 72, 403-11	9.9	28
5	Carbon fiber technique for the investigation of single-cell mechanics in intact cardiac myocytes. <i>Nature Protocols</i> , 2006 , 1, 1453-7	18.8	34
4	Expression of green fluorescent protein impairs the force-generating ability of isolated rat ventricular cardiomyocytes. <i>Molecular and Cellular Biochemistry</i> , 2006 , 286, 59-65	4.2	16
3	Contractile dysfunction of cardiomyopathic hamster myocytes is pronounced under high load conditions. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 39, 231-9	5.8	9
2	Single cell mechanics of rat cardiomyocytes under isometric, unloaded, and physiologically loaded conditions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H196-202	5.2	79
1	Follow-up study of aortic-valve replacement surgery in patients with Takayasu's disease complicated by aortic regurgitation. <i>Circulation Journal</i> , 2002 , 66, 564-6	2.9	11