Satoshi Nishimura

List of Publications by Year
in descending order

68	5,518	201674	243625
papers	citations	27 h-index	44 g-index

76	76	76	9142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CD8+ effector T cells contribute to macrophage recruitment and adipose tissue inflammation in obesity. Nature Medicine, 2009, 15, 914-920.	30.7	1,887
2	Adipogenesis in Obesity Requires Close Interplay Between Differentiating Adipocytes, Stromal Cells, and Blood Vessels. Diabetes, 2007, 56, 1517-1526.	0.6	407
3	Transient activation of c-MYC expression is critical for efficient platelet generation from human induced pluripotent stem cells. Journal of Experimental Medicine, 2010, 207, 2817-2830.	8.5	295
4	Expandable Megakaryocyte Cell Lines Enable Clinically Applicable Generation of Platelets from Human Induced Pluripotent Stem Cells. Cell Stem Cell, 2014, 14, 535-548.	11.1	275
5	Essential in Vivo Roles of the C-type Lectin Receptor CLEC-2. Journal of Biological Chemistry, 2010, 285, 24494-24507.	3.4	232
6	In vivo imaging in mice reveals local cell dynamics and inflammation in obese adipose tissue. Journal of Clinical Investigation, 2008, 118, 710-21.	8.2	221
7	Turbulence Activates Platelet Biogenesis to Enable Clinical Scale ExÂVivo Production. Cell, 2018, 174, 636-648.e18.	28.9	218
8	IL-1Î± induces thrombopoiesis through megakaryocyte rupture in response to acute platelet needs. Journal of Cell Biology, 2015, 209, 453-466.	5.2	213
9	Adipose Natural Regulatory B Cells Negatively Control Adipose Tissue Inflammation. Cell Metabolism, 2013, 18, 759-766.	16.2	195
10	TMEM16F is required for phosphatidylserine exposure and microparticle release in activated mouse platelets. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12800-12805.	7.1	179
11	Macrophage-inducible C-type lectin underlies obesity-induced adipose tissue fibrosis. Nature Communications, 2014, 5, 4982.	12.8	156
12	Simultaneous downregulation of KLF5 and Fli1 is a key feature underlying systemic sclerosis. Nature Communications, 2014, 5, 5797.	12.8	120
13	CRISPR/Cas9-mediated genome editing via postnatal administration of AAV vector cures haemophilia B mice. Scientific Reports, 2017, 7, 4159.	3.3	113
14	Single cell mechanics of rat cardiomyocytes under isometric, unloaded, and physiologically loaded conditions. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H196-H202.	3.2	97
15	Microtubules Modulate the Stiffness of Cardiomyocytes Against Shear Stress. Circulation Research, 2006, 98, 81-87.	4.5	88
16	Lnk regulates integrin Î±IIbÎ²3 outside-in signaling in mouse platelets, leading to stabilization of thrombus development in vivo. Journal of Clinical Investigation, 2010, 120, 179-190.	8.2	84
17	ENPP2 Contributes to Adipose Tissue Expansion and Insulin Resistance in Diet-Induced Obesity. Diabetes, 2014, 63, 4154-4164.	0.6	78
18	In vivo imaging visualizes discoid platelet aggregations without endothelium disruption and implicates contribution of inflammatory cytokine and integrin signaling. Blood, 2012, 119, e45-e56.	1.4	71

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19	Nanosilica-induced placental inflammation and pregnancy complications: Different roles of the inflammasome components NLRP3 and ASC. Nanotoxicology, 2015, 9, 554-567.	3.0	63
20	ASC in Renal Collecting Duct Epithelial Cells Contributes to Inflammation and Injury after Unilateral Ureteral Obstruction. American Journal of Pathology, 2014, 184, 1287-1298.	3.8	60
21	Alendronate inhalation ameliorates elastase-induced pulmonary emphysema in mice by induction of apoptosis of alveolar macrophages. Nature Communications, 2015, 6, 6332.	12.8	58
22	Transplantation of bioengineered rat lungs recellularized with endothelial and adipose-derived stromal cells. Scientific Reports, 2017, 7, 8447.	3.3	58
23	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. Circulation Research, 2010, 106, 176-184.	4.5	47
24	Membrane potential of rat ventricular myocytes responds to axial stretch in phase, amplitude and speedâ€dependent manners. Cardiovascular Research, 2006, 72, 403-411.	3.8	39
25	Selective Inhibition of ADAM17 Efficiently Mediates Glycoprotein Ibβ Retention During Ex Vivo Generation of Human Induced Pluripotent Stem Cell-Derived Platelets. Stem Cells Translational Medicine, 2017, 6, 720-730.	3.3	39
26	Carbon fiber technique for the investigation of single-cell mechanics in intact cardiac myocytes. Nature Protocols, 2006, 1, 1453-1457.	12.0	37
27	Responses of single-ventricular myocytes to dynamic axial stretching. Progress in Biophysics and Molecular Biology, 2008, 97, 282-297.	2.9	35
28	Roles of ADAM8 in elimination of injured muscle fibers prior to skeletal muscle regeneration. Mechanisms of Development, 2015, 135, 58-67.	1.7	22
29	Expression of Green Fluorescent Protein Impairs the Force-Generating Ability of Isolated Rat Ventricular Cardiomyocytes. Molecular and Cellular Biochemistry, 2006, 286, 59-65.	3.1	17
30	Follow-up Study of Aortic-Valve Replacement Surgery in Patients With Takayasu's Disease Complicated by Aortic Regurgitation.. Circulation Journal, 2002, 66, 564-566.	1.6	16
31	Paxillin is an intrinsic negative regulator of platelet activation in mice. Thrombosis Journal, 2014, 12, 1.	2.1	16
32	Development of a Unique T Cell Receptor Gene-Transferred Tax-Redirected T Cell Immunotherapy for Adult T Cell Leukemia. Biology of Blood and Marrow Transplantation, 2020, 26, 1377-1385.	2.0	14
33	Von Willebrand Factor Aggravates Hepatic Ischemiaâ€“Reperfusion Injury by Promoting Neutrophil Recruitment in Mice. Thrombosis and Haemostasis, 2018, 47, 700-708.	3.4	12
34	Contractile dysfunction of cardiomyopathic hamster myocytes is pronounced under high load conditions. Journal of Molecular and Cellular Cardiology, 2005, 39, 231-239.	1.9	11
35	M1 macrophage infiltration exacerbate muscle/bone atrophy after peripheral nerve injury. BMC Musculoskeletal Disorders, 2020, 21, 44.	1.9	11
36	Relevance of cardiomyocyte mechano-electric coupling to stretch-induced arrhythmias: Optical voltage/calcium measurement in mechanically stimulated cells, tissues and organs. Progress in Biophysics and Molecular Biology, 2014, 115, 129-139.	2.9	10

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37	In vitro yeast reconstituted translation system reveals function of eIF5A for synthesis of long polypeptide. Journal of Biochemistry, 2020, 167, 451-462.	1.7	7
38	The Frequency of Peripheral Blood CD4+FoxP3+Regulatory T Cells in Women With Pre-eclampsia and Those With High-risk Factors for Pre-eclampsia. Hypertension in Pregnancy, 2015, 34, 443-455.	1.1	6
39	Adipose tissue remodeling and chronic inflammation in obesity visualized by in vivo molecular imaging method. Journal of Biorheology, 2010, 24, 11-15.	0.5	3
40	Decreased circulating levels of plasmacytoid dendritic cells in women with early-onset preeclampsia. Journal of Reproductive Immunology, 2020, 141, 103170.	1.9	3
41	Macrophages fine-tune pupil shape during development. Developmental Biology, 2020, 464, 137-144.	2.0	1
42	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.. Blood, 2009, 114, 1488-1488.	1.4	1
43	3P297 In Vivo molecular imaging revealed adipose tissue malfunction and remodeling in obesity(Bioimaging. The genesis of life, and biological evolution,Oral Presentations). Seibutsu Butsuri, 2007, 47, S277.	0.1	0
44	Adipose Tissue Remodeling, Chronic Inflammation and T-cell-macrophage Interactions in Obesity Visualized by in vivo Molecular Imaging Method. Inflammation Research, 2009, 58, S234-S238.	4.0	0
45	In vivo Multi-Photon Molecular Imaging Visualizes Inflammatory and Immune Cell Cross-Talks in Adult Common Disease . Nippon Laser Igakkaishi, 2013, 34, 77-81.	0.0	0
46	Artery Cell Contraction via ROS and NO Balance Examined by In Vivo Multi-photon Imaging Technique and Laser Injuries Technique. Microscopy and Microanalysis, 2014, 20, 1346-1347.	0.4	0
47	Dynamics of Thrombus Formation in Mouse Testicular Surface Vein Visualized by Newly Devised â€œVascular Mappingâ€•Method for Live-CLEM Imaging in vivo. Microscopy and Microanalysis, 2015, 21, 1493-1494.	0.4	0
48	â€˜Ruptureâ€™ Type Thrombopoiesis from Bone Megakaryocyte is Regulated by IL-lAlpha: Visualization by Two Photon Microscopy and Software Analysis. Microscopy and Microanalysis, 2015, 21, 1717-1718.	0.4	0
49	In Vivo Imaging and Software Analysis Revealed the Contribution of Endothelial Damage to Thrombus Development Processes. Microscopy and Microanalysis, 2015, 21, 1719-1720.	0.4	0
50	C1-O-03Dynamics of Thrombus Formation in Mouse Testicular Surface Vein Visualized by Newly Devised â€œVascular Mappingâ€•Method for Live-CLEM Imagingin vivo.. Microscopy (Oxford, England), 2015, 64, i63.1-i63.	1.5	0
51	Thrombosis, Inflammation, and Hematopoiesis Visualized by Multi-scale In Vivo 1P, 2P, and On-chip Imaging Systems. Microscopy and Microanalysis, 2016, 22, 1168-1169.	0.4	0
52	Measuring microstructures using confocal laser scanning microscopy for estimating surface roughness. , 2016, , .		0
53	High-speed/Long-time, High-Resolution/Large-Fields In Vivo Imaging By 4K/8K CMOS Sensors without Trade-Off factors. Microscopy and Microanalysis, 2017, 23, 1144-1145.	0.4	0
54	Restored interlaced volumetric imaging increases image quality and scanning speed during intravital imaging in living mice. Journal of Biophotonics, 2020, 13, e201960204.	2.3	0

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55	Obese adipose tissue remodeling, malfunctioning, and chronic inflammation visualized by in vivo molecular imaging. Inflammation and Regeneration, 2009, 29, 118-122.	3.7	0
56	[Image] In vivo molecular imaging reveals parenchymal and interstitial cell cross-talks in chronic inflammatory diseases. Japanese Journal of Thrombosis and Hemostasis, 2010, 21, 447-451.	0.1	0
57	Direct and Continuous Inhibition of ADAM17 Using a Novel Selective Inhibitor Restores Functional Platelet Yield From Human Pluripotent Stem Cells. Blood, 2011, 118, 2323-2323.	1.4	0
58	Adipose tissue remodeling associated with chronic inflammation and abnormal local immunity in obesity visualized by in vivo molecular imaging method. Inflammation and Regeneration, 2012, 32, 165-170.	3.7	0
59	In vivo imaging and thrombus formation. Japanese Journal of Thrombosis and Hemostasis, 2013, 24, 396-401.	0.1	0
60	Visualization of thrombus formation in vivo. Japanese Journal of Thrombosis and Hemostasis, 2013, 24, 588-592.	0.1	0
61	Thrombus Development Processes Are Dependent On Endothelial Injuries: Examined By In Vivo Molecular Imaging. Blood, 2013, 122, 1070-1070.	1.4	0
62	Morphological Distinction Unravels Mechanisms Of Platelet Biogenesis From Bone Marrow Megakaryocytes. Blood, 2013, 122, 2428-2428.	1.4	0
63	Imaging of Complications in Atherosclerosis: Thrombosis and Platelet Aggregation. , 2015, , 171-184.		0
64	Imaging for thrombopoiesis and thrombus formation. Japanese Journal of Thrombosis and Hemostasis, 2016, 27, 526-531.	0.1	0
65	High-Vorticity with Periodic Flow Enhances in Vitro Biogenesis of Healthy Platelets from iPSC-Derived-Megakaryocytes. Blood, 2016, 128, 2181-2181.	1.4	0
66	1S-B1-1Broader, Longer, and Deeper in Vivo Scalable Imaging of Hemostasis, Inflammation, and Regenerative Responses. Microscopy (Oxford, England), 2017, 66, i8-i8.	1.5	0
67	Bone Imaging: Platelet Formation Dynamics. Methods in Molecular Biology, 2018, 1763, 23-28.	0.9	0
68	Scalable in vivo imaging. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2018, 2018.30, 14PM2.	0.0	0