

Satoshi Nishimura

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,518
citations

201575

27
h-index

243529

44
g-index

76
all docs

76
docs citations

76
times ranked

9142
citing authors

#	ARTICLE	IF	CITATIONS
1	CD8+ effector T cells contribute to macrophage recruitment and adipose tissue inflammation in obesity. <i>Nature Medicine</i> , 2009, 15, 914-920.	15.2	1,887
2	Adipogenesis in Obesity Requires Close Interplay Between Differentiating Adipocytes, Stromal Cells, and Blood Vessels. <i>Diabetes</i> , 2007, 56, 1517-1526.	0.3	407
3	Transient activation of <i>c-MYC</i> expression is critical for efficient platelet generation from human induced pluripotent stem cells. <i>Journal of Experimental Medicine</i> , 2010, 207, 2817-2830.	4.2	295
4	Expandable Megakaryocyte Cell Lines Enable Clinically Applicable Generation of Platelets from Human Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2014, 14, 535-548.	5.2	275
5	Essential in Vivo Roles of the C-type Lectin Receptor CLEC-2. <i>Journal of Biological Chemistry</i> , 2010, 285, 24494-24507.	1.6	232
6	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.	3.9	221
7	Turbulence Activates Platelet Biogenesis to Enable Clinical Scale Ex Vivo Production. <i>Cell</i> , 2018, 174, 636-648.e18.	13.5	218
8	IL-1 β induces thrombopoiesis through megakaryocyte rupture in response to acute platelet needs. <i>Journal of Cell Biology</i> , 2015, 209, 453-466.	2.3	213
9	Adipose Natural Regulatory B Cells Negatively Control Adipose Tissue Inflammation. <i>Cell Metabolism</i> , 2013, 18, 759-766.	7.2	195
10	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, 12800-12805.	3.3	179
11	Macrophage-inducible C-type lectin underlies obesity-induced adipose tissue fibrosis. <i>Nature Communications</i> , 2014, 5, 4982.	5.8	156
12	Simultaneous downregulation of KLF5 and Fli1 is a key feature underlying systemic sclerosis. <i>Nature Communications</i> , 2014, 5, 5797.	5.8	120
13	CRISPR/Cas9-mediated genome editing via postnatal administration of AAV vector cures haemophilia B mice. <i>Scientific Reports</i> , 2017, 7, 4159.	1.6	113
14	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-H202.	1.5	97
15	Microtubules Modulate the Stiffness of Cardiomyocytes Against Shear Stress. <i>Circulation Research</i> , 2006, 98, 81-87.	2.0	88
16	Lnk regulates integrin α IIb β 3 outside-in signaling in mouse platelets, leading to stabilization of thrombus development in vivo. <i>Journal of Clinical Investigation</i> , 2010, 120, 179-190.	3.9	84
17	ENPP2 Contributes to Adipose Tissue Expansion and Insulin Resistance in Diet-Induced Obesity. <i>Diabetes</i> , 2014, 63, 4154-4164.	0.3	78
18	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-e56.	0.6	71

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19	Nanosilica-induced placental inflammation and pregnancy complications: Different roles of the inflammasome components NLRP3 and ASC. <i>Nanotoxicology</i> , 2015, 9, 554-567.	1.6	63
20	ASC in Renal Collecting Duct Epithelial Cells Contributes to Inflammation and Injury after Unilateral Ureteral Obstruction. <i>American Journal of Pathology</i> , 2014, 184, 1287-1298.	1.9	60
21	Alendronate inhalation ameliorates elastase-induced pulmonary emphysema in mice by induction of apoptosis of alveolar macrophages. <i>Nature Communications</i> , 2015, 6, 6332.	5.8	58
22	Transplantation of bioengineered rat lungs recellularized with endothelial and adipose-derived stromal cells. <i>Scientific Reports</i> , 2017, 7, 8447.	1.6	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. <i>Circulation Research</i> , 2010, 106, 176-184.	2.0	47
24	Membrane potential of rat ventricular myocytes responds to axial stretch in phase, amplitude and speed-dependent manners. <i>Cardiovascular Research</i> , 2006, 72, 403-411.	1.8	39
25	Selective Inhibition of ADAM17 Efficiently Mediates Glycoprotein Ib α Retention During Ex Vivo Generation of Human Induced Pluripotent Stem Cell-Derived Platelets. <i>Stem Cells Translational Medicine</i> , 2017, 6, 720-730.	1.6	39
26	Carbon fiber technique for the investigation of single-cell mechanics in intact cardiac myocytes. <i>Nature Protocols</i> , 2006, 1, 1453-1457.	5.5	37
27	Responses of single-ventricular myocytes to dynamic axial stretching. <i>Progress in Biophysics and Molecular Biology</i> , 2008, 97, 282-297.	1.4	35
28	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	22
29	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.	1.4	17
30	Follow-up Study of Aortic-Valve Replacement Surgery in Patients With Takayasu's Disease Complicated by Aortic Regurgitation.. <i>Circulation Journal</i> , 2002, 66, 564-566.	0.7	16
31	Paxillin is an intrinsic negative regulator of platelet activation in mice. <i>Thrombosis Journal</i> , 2014, 12, 1.	0.9	16
32	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.	2.0	14
33	Von Willebrand Factor Aggravates Hepatic Ischemia-Induced Reperfusion Injury by Promoting Neutrophil Recruitment in Mice. <i>Thrombosis and Haemostasis</i> , 2018, 47, 700-708.	1.8	12
34	Contractile dysfunction of cardiomyopathic hamster myocytes is pronounced under high load conditions. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 39, 231-239.	0.9	11
35	M1 macrophage infiltration exacerbate muscle/bone atrophy after peripheral nerve injury. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 44.	0.8	11
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, 129-139.	1.4	10

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37	In vitro yeast reconstituted translation system reveals function of eIF5A for synthesis of long polypeptide. <i>Journal of Biochemistry</i> , 2020, 167, 451-462.	0.9	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. <i>Hypertension in Pregnancy</i> , 2015, 34, 443-455.	0.5	6
39	Adipose tissue remodeling and chronic inflammation in obesity visualized by in vivo molecular imaging method. <i>Journal of Biorheology</i> , 2010, 24, 11-15.	0.2	3
40	Decreased circulating levels of plasmacytoid dendritic cells in women with early-onset preeclampsia. <i>Journal of Reproductive Immunology</i> , 2020, 141, 103170.	0.8	3
41	Macrophages fine-tune pupil shape during development. <i>Developmental Biology</i> , 2020, 464, 137-144.	0.9	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.. <i>Blood</i> , 2009, 114, 1488-1488.	0.6	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). <i>Seibutsu Butsuri</i> , 2007, 47, S277.	0.0	0
44	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.	1.6	0
45	<i>In vivo</i> Multi-Photon Molecular Imaging Visualizes Inflammatory and Immune Cell Cross-Talks in Adult Common Disease. <i>Nippon Laser Igakkaishi</i> , 2013, 34, 77-81.	0.0	0
46	Artery Cell Contraction via ROS and NO Balance Examined by In Vivo Multi-photon Imaging Technique and Laser Injuries Technique. <i>Microscopy and Microanalysis</i> , 2014, 20, 1346-1347.	0.2	0
47	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.	0.2	0
48	"Rupture" Type Thrombopoiesis from Bone Megakaryocyte is Regulated by IL-1Alpha: Visualization by Two Photon Microscopy and Software Analysis. <i>Microscopy and Microanalysis</i> , 2015, 21, 1717-1718.	0.2	0
49	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.	0.2	0
50	C1-O-03Dynamics 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.	0.7	0
51	Thrombosis, Inflammation, and Hematopoiesis Visualized by Multi-scale In Vivo 1P, 2P, and On-chip Imaging Systems. <i>Microscopy and Microanalysis</i> , 2016, 22, 1168-1169.	0.2	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. <i>Microscopy and Microanalysis</i> , 2017, 23, 1144-1145.	0.2	0
54	Restored interlaced volumetric imaging increases image quality and scanning speed during intravital imaging in living mice. <i>Journal of Biophotonics</i> , 2020, 13, e201960204.	1.1	0

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55	Obese adipose tissue remodeling, malfunctioning, and chronic inflammation visualized by in vivo molecular imaging. <i>Inflammation and Regeneration</i> , 2009, 29, 118-122.	1.5	0
56	[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.	0.1	0
57	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.	0.6	0
58	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.	1.5	0
59	In vivo imaging and thrombus formation. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2013, 24, 396-401.	0.1	0
60	Visualization of thrombus formation in vivo. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2013, 24, 588-592.	0.1	0
61	Thrombus Development Processes Are Dependent On Endothelial Injuries: Examined By In Vivo Molecular Imaging. <i>Blood</i> , 2013, 122, 1070-1070.	0.6	0
62	Morphological Distinction Unravels Mechanisms Of Platelet Biogenesis From Bone Marrow Megakaryocytes. <i>Blood</i> , 2013, 122, 2428-2428.	0.6	0
63	Imaging of Complications in Atherosclerosis: Thrombosis and Platelet Aggregation. , 2015, , 171-184.		0
64	Imaging for thrombopoiesis and thrombus formation. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2016, 27, 526-531.	0.1	0
65	High-Vorticity with Periodic Flow Enhances in Vitro Biogenesis of Healthy Platelets from iPSC-Derived-Megakaryocytes. <i>Blood</i> , 2016, 128, 2181-2181.	0.6	0
66	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.	0.7	0
67	Bone Imaging: Platelet Formation Dynamics. <i>Methods in Molecular Biology</i> , 2018, 1763, 23-28.	0.4	0
68	Scalable in vivo imaging. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2018, 2018.30, 14PM2.	0.0	0