

Shigeki Sugii

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.

51
papers

2,266
citations

24
h-index

47
g-index

52
ext. papers

2,597
ext. citations

6.8
avg, IF

4.68
L-index

#	Paper	IF	Citations
51	CerS2 haploinsufficiency inhibits oxidation and confers susceptibility to diet-induced steatohepatitis and insulin resistance. <i>Cell Metabolism</i> , 2014 , 20, 687-95	24.6	288
50	PPARgamma activation in adipocytes is sufficient for systemic insulin sensitization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22504-9	11.5	202
49	Role of Niemann-Pick type C1 protein in intracellular trafficking of low density lipoprotein-derived cholesterol. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4013-21	5.4	149
48	Human and mouse adipose-derived cells support feeder-independent induction of pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3558-63	11.5	145
47	Adipocyte Ceramides Regulate Subcutaneous Adipose Browning, Inflammation, and Metabolism. <i>Cell Metabolism</i> , 2016 , 24, 820-834	24.6	130
46	Niemann-Pick type C disease and intracellular cholesterol trafficking. <i>Journal of Biological Chemistry</i> , 2005 , 280, 20917-20	5.4	123
45	Identification of specific cell-surface markers of adipose-derived stem cells from subcutaneous and visceral fat depots. <i>Stem Cell Reports</i> , 2014 , 2, 171-9	8	101
44	Adipose-derived stem cells: fatty potentials for therapy. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 1083-6	5.6	93
43	A novel cholesterol stain reveals early neuronal cholesterol accumulation in the Niemann-Pick type C1 mouse brain. <i>Journal of Lipid Research</i> , 2004 , 45, 582-91	6.3	79
42	Epigenetic codes of PPAR α in metabolic disease. <i>FEBS Letters</i> , 2011 , 585, 2121-8	3.8	77
41	Thyroid hormone (T) stimulates brown adipose tissue activation via mitochondrial biogenesis and MTOR-mediated mitophagy. <i>Autophagy</i> , 2019 , 15, 131-150	10.2	77
40	Feeder-dependent and feeder-independent iPS cell derivation from human and mouse adipose stem cells. <i>Nature Protocols</i> , 2011 , 6, 346-58	18.8	75
39	Distinct endosomal compartments in early trafficking of low density lipoprotein-derived cholesterol. <i>Journal of Biological Chemistry</i> , 2003 , 278, 27180-9	5.4	72
38	The current landscape of adipose-derived stem cells in clinical applications. <i>Expert Reviews in Molecular Medicine</i> , 2014 , 16, e8	6.7	47
37	Trafficking defects in endogenously synthesized cholesterol in fibroblasts, macrophages, hepatocytes, and glial cells from Niemann-Pick type C1 mice. <i>Journal of Lipid Research</i> , 2003 , 44, 1010-9	6.3	43
36	A Role for Ceramides, but Not Sphingomyelins, as Antagonists of Insulin Signaling and Mitochondrial Metabolism in C2C12 Myotubes. <i>Journal of Biological Chemistry</i> , 2016 , 291, 23978-23988	5.4	43
35	Seipin differentially regulates lipogenesis and adipogenesis through a conserved core sequence and an evolutionarily acquired C-terminus. <i>Biochemical Journal</i> , 2013 , 452, 37-44	3.8	35

34	Biotinylated theta-toxin derivative as a probe to examine intracellular cholesterol-rich domains in normal and Niemann-Pick type C1 cells. <i>Journal of Lipid Research</i> , 2003 , 44, 1033-41	6.3	35
33	Selective activation of miRNAs of the primate-specific chromosome 19 miRNA cluster (C19MC) in cancer and stem cells and possible contribution to regulation of apoptosis. <i>Journal of Biomedical Science</i> , 2017 , 24, 20	13.3	34
32	Frequent co-expression of miRNA-5p and -3p species and cross-targeting in induced pluripotent stem cells. <i>International Journal of Medical Sciences</i> , 2014 , 11, 824-33	3.7	29
31	Regulation of adipogenesis by cytoskeleton remodelling is facilitated by acetyltransferase MEC-17-dependent acetylation of β -tubulin. <i>Biochemical Journal</i> , 2013 , 449, 605-12	3.8	28
30	Retinoic Acid Mediates Visceral-Specific Adipogenic Defects of Human Adipose-Derived Stem Cells. <i>Diabetes</i> , 2016 , 65, 1164-78	0.9	26
29	Synthesis and biochemical properties of a new photoactivatable cholesterol analog 7,7-azocholestanol and its linoleate ester in Chinese hamster ovary cell lines. <i>Journal of Lipid Research</i> , 2002 , 43, 1341-1347	6.3	25
28	Recellularization of decellularized adipose tissue-derived stem cells: role of the cell-secreted extracellular matrix in cellular differentiation. <i>Biomaterials Science</i> , 2017 , 6, 168-178	7.4	24
27	miR-524-5p of the primate-specific C19MC miRNA cluster targets TP53IPN1- and EMT-associated genes to regulate cellular reprogramming. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 214	8.3	20
26	Towards a mechanistic understanding of lipodystrophy and seipin functions. <i>Bioscience Reports</i> , 2014 , 34,	4.1	20
25	Roles of endogenously synthesized sterols in the endocytic pathway. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23191-206	5.4	19
24	Evaluation of dietary effects on hepatic lipids in high fat and placebo diet fed rats by in vivo MRS and LC-MS techniques. <i>PLoS ONE</i> , 2014 , 9, e91436	3.7	18
23	Diffuse Optical Spectroscopy and Imaging to Detect and Quantify Adipose Tissue Browning. <i>Scientific Reports</i> , 2017 , 7, 41357	4.9	17
22	Segmentation and characterization of interscapular brown adipose tissue in rats by multi-parametric magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016 , 29, 277-86	2.8	17
21	Heterogeneity of osteosarcoma cell lines led to variable responses in reprogramming. <i>International Journal of Medical Sciences</i> , 2014 , 11, 1154-60	3.7	17
20	Arp2/3 complex regulates adipogenesis by controlling cortical actin remodelling. <i>Biochemical Journal</i> , 2014 , 464, 179-92	3.8	16
19	Oxidative stress mediates depot-specific functional differences of human adipose-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 141	8.3	13
18	Comparative Study of Adipose-Derived Stem Cells From Abdomen and Breast. <i>Annals of Plastic Surgery</i> , 2016 , 76, 569-75	1.7	13
17	Diversification of reprogramming trajectories revealed by parallel single-cell transcriptome and chromatin accessibility sequencing. <i>Science Advances</i> , 2020 , 6,	14.3	12

16	Adipose Tissue: Understanding the Heterogeneity of Stem Cells for Regenerative Medicine. <i>Biomolecules</i> , 2021 , 11,	5.9	12
15	Suppression of adipogenesis by pathogenic seipin mutant is associated with inflammatory response. <i>PLoS ONE</i> , 2013 , 8, e57874	3.7	11
14	Fast Adipogenesis Tracking System (FATS)-a robust, high-throughput, automation-ready adipogenesis quantification technique. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 38	8.3	10
13	Multimodal imaging approach to monitor browning of adipose tissue in vivo. <i>Journal of Lipid Research</i> , 2018 , 59, 1071-1078	6.3	9
12	Amenable epigenetic traits of dental pulp stem cells underlie high capability of xeno-free episomal reprogramming. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 68	8.3	7
11	Uncertain Oversight of Regenerative Medicines in Japan under the ASRM. <i>Cell Stem Cell</i> , 2016 , 18, 438-918		7
10	Retinoic acid is abundantly detected in different depots of adipose tissue by SERS. <i>Adipocyte</i> , 2016 , 5, 378-383	3.2	6
9	Quantitative in vivo detection of adipose tissue browning using diffuse reflectance spectroscopy in near-infrared II window. <i>Journal of Biophotonics</i> , 2018 , 11, e201800135	3.1	5
8	A roundtable on responsible innovation with autologous stem cells in Australia, Japan and Singapore. <i>Cytotherapy</i> , 2018 , 20, 1103-1109	4.8	4
7	Investigations on polarimetric terahertz frequency domain spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 115, 83-86	2.6	3
6	Stem Cells in Dentistry: Potential Applications and Perspectives in Clinical Research. <i>Stem Cells in Clinical Applications</i> , 2016 , 293-308	0.3	1
5	MSCs as Biological Drugs 2019 , 395-418		1
4	Novel live cell fluorescent probe for human-induced pluripotent stem cells highlights early reprogramming population. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 113	8.3	1
3	CD10 marks non-canonical PPAR γ -independent adipocyte maturation and browning potential of adipose-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 109	8.3	1
2	Trxlp, a thioredoxin-like effector from <i>Edwardsiella piscicida</i> inhibits cellular redox signaling and nuclear translocation of NF- κ B. <i>International Journal of Biological Macromolecules</i> , 2020 , 148, 89-101	7.9	0
1	Physical and Physiological Properties of Fat. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2020 , 667-679	0.1	0