

# Akira Sawaguchi

## List of Publications by Year in descending order

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44  
papers

1,769  
citations

516710

16  
h-index

345221

36  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ghrelin, a Novel Growth Hormone-Releasing Acylated Peptide, Is Synthesized in a Distinct Endocrine Cell Type in the Gastrointestinal Tracts of Rats and Humans. <i>Endocrinology</i> , 2000, 141, 4255-4261.	2.8	494
2	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.	11.1	275
3	Turbulence Activates Platelet Biogenesis to Enable Clinical Scale Ex Vivo Production. <i>Cell</i> , 2018, 174, 636-648.e18.	28.9	218
4	IL-1 $\beta$ induces thrombopoiesis through megakaryocyte rupture in response to acute platelet needs. <i>Journal of Cell Biology</i> , 2015, 209, 453-466.	5.2	213
5	Immortalization of Erythroblasts by c-MYC and BCL-XL Enables Large-Scale Erythrocyte Production from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2013, 1, 499-508.	4.8	72
6	iPSC-Derived Platelets Depleted of HLA Class I Are Inert to Anti-HLA Class I and Natural Killer Cell Immunity. <i>Stem Cell Reports</i> , 2020, 14, 49-59.	4.8	57
7	Stratified mucin-producing intraepithelial lesion with invasive carcinoma: 12 cases with immunohistochemical and ultrastructural findings. <i>Human Pathology</i> , 2016, 55, 174-181.	2.0	48
8	Mice lacking the intracellular cation channel TRIC-B have compromised collagen production and impaired bone mineralization. <i>Science Signaling</i> , 2016, 9, ra49.	3.6	42
9	Selective Inhibition of ADAM17 Efficiently Mediates Glycoprotein Ib $\beta$ Retention During Ex Vivo Generation of Human Induced Pluripotent Stem Cell-Derived Platelets. <i>Stem Cells Translational Medicine</i> , 2017, 6, 720-730.	3.3	39
10	Informative three-dimensional survey of cell/tissue architectures in thick paraffin sections by simple low-vacuum scanning electron microscopy. <i>Scientific Reports</i> , 2018, 8, 7479.	3.3	29
11	Neoplastic fibrocytes play an essential role in bone marrow fibrosis in Jak2V617F-induced primary myelofibrosis mice. <i>Leukemia</i> , 2021, 35, 454-467.	7.2	27
12	New insights concerning insulin synthesis and its secretion in rat hippocampus and cerebral cortex: Amyloid- $\beta$ 42-induced reduction of proinsulin level via glycogen synthase kinase-3 $\beta$ . <i>Cellular Signalling</i> , 2014, 26, 253-259.	3.6	26
13	A $\beta$ 21-tubulin-based megakaryocyte maturation reporter system identifies novel drugs that promote platelet production. <i>Blood Advances</i> , 2018, 2, 2262-2272.	5.2	23
14	Leukocytapheresis (LCAP) decreases the level of platelet-derived microparticles (MPs) and increases the level of granulocytes-derived MPs: a possible connection with the effect of LCAP on rheumatoid arthritis. <i>Modern Rheumatology</i> , 2009, 19, 265-272.	1.8	22
15	Hepatocyte Growth Factor Activator Inhibitor Type 1 Maintains the Assembly of Keratin into Desmosomes in Keratinocytes by Regulating Protease-Activated Receptor 2-Dependent p38 Signaling. <i>American Journal of Pathology</i> , 2015, 185, 1610-1623.	3.8	21
16	The cryofixation of isolated rat gastric mucosa provides new insights into the functional transformation of gastric parietal cells: an in vitro experimental model study. <i>Archives of Histology and Cytology</i> , 2005, 68, 151-160.	0.2	16
17	Reappraisal of Potassium Permanganate Oxidation Applied to Lowicryl K4M Embedded Tissues Processed by High Pressure Freezing/Freeze Substitution, with Special Reference to Differential Staining of the Zymogen Granules of Rat Gastric Chief Cells.. <i>Archives of Histology and Cytology</i> , 1999, 62, 447-458.	0.2	14
18	Fluid Dynamics of the Excretory Flow of Zymogenic and Mucin Contents in Rat Gastric Gland Processed by High-pressure Freezing/Freeze Substitution. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 223-234.	2.5	14

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19	Ultrastructural transformation of gastric parietal cells reverting from the active to the resting state of acid secretion revealed in isolated rat gastric mucosa model processed by high-pressure freezing. <i>Journal of Electron Microscopy</i> , 2006, 55, 97-105.	0.9	14
20	Multistratified Expression of Polysialic Acid and Its Relationship to VACHT-containing Neurons in the Inner Plexiform Layer of Adult Rat Retina. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 919-927.	2.5	13
21	Application of 10- $\frac{1}{4}$ m thin stainless foil to a new assembly of the specimen carrier in high-pressure freezing. <i>Microscopy (Oxford, England)</i> , 2005, 54, 143-146.	1.5	12
22	Estrogen Regulates Mitochondrial Morphology through Phosphorylation of Dynamin-related Protein 1 in MCF7 Human Breast Cancer Cells. <i>Acta Histochemica Et Cytochemica</i> , 2018, 51, 21-31.	1.6	12
23	Establishment and biological characterization of a novel cell line derived from hepatoid adenocarcinoma originated at the ampulla of Vater. <i>International Journal of Oncology</i> , 2014, 44, 1139-1145.	3.3	11
24	Immunocytochemical demonstration of the secretory dynamics of zymogenic contents in rat gastric gland processed by high-pressure freezing/freeze substitution, with special references to phospholipase A2 and phospholipase C1. <i>Histochemistry and Cell Biology</i> , 2001, 116, 361-369.	1.7	10
25	Genes essential for the morphogenesis of the Shiga toxin 2-transducing phage from Escherichia coli O157:H7. <i>Scientific Reports</i> , 2016, 6, 39036.	3.3	10
26	Survival of detached cancer cells is regulated by movement of intracellular Na <sup>+</sup> ,K <sup>+</sup> -ATPase. <i>IScience</i> , 2021, 24, 102412.	4.1	9
27	Silencing of p53 and CDKN1A establishes sustainable immortalized megakaryocyte progenitor cells from human iPSCs. <i>Stem Cell Reports</i> , 2021, , .	4.8	7
28	Histochemical Characterization of the Rat Ossicular Joint Cartilage with a Special Reference to Stapediovestibular Joint. <i>Acta Histochemica Et Cytochemica</i> , 2005, 38, 387-392.	1.6	4
29	A new device for high-pressure freezing of cultured cell monolayer using 10- $\frac{1}{4}$ m-thin stainless discs as both culture plate and specimen carrier. <i>Microscopy (Oxford, England)</i> , 2008, 57, 203-206.	1.5	4
30	In situ strategy for biomedical target localization via nanogold nucleation and secondary growth. <i>Communications Biology</i> , 2021, 4, 710.	4.4	4
31	Monocyte-derived fibrocytes elimination had little contribution on liver fibrosis. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2019, 18, 348-353.	1.3	3
32	Increased plasma lactoferrin levels in leucocytapheresis therapy in patients with rheumatoid arthritis. <i>Rheumatology</i> , 2014, 53, 1966-1972.	1.9	2
33	Establishment and characterization of SUI-58 pancreas cancer cell line and its subline S58-SF adapted to serum-free condition derived from metastatic liver tumor. <i>Human Cell</i> , 2015, 28, 190-198.	2.7	1
34	Three-dimensional culture of a pancreatic cancer cell line, SUI-58, with air exposure can reflect the intrinsic features of the original tumor through electron microscopy. <i>Microscopy (Oxford, England)</i> , 2010, 59, 137-144.	1.0	1
35	A Case of Villous Appearing Giant Early Gastric Carcinoma. <i>Progress of Digestive Endoscopy</i> (1972), 1997, 50, 196-199.	0.0	1
36	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.	0.4	0

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37	â€˜Ruptureâ€™ Type Thrombopoiesis from Bone Megakaryocyte is Regulated by IL-1 $\alpha$ : Visualization by Two Photon Microscopy and Software Analysis. <i>Microscopy and Microanalysis</i> , 2015, 21, 1717-1718.	0.4	0
38	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.	0.4	0
39	LS Promotion of Young Researchers for the Next Generation of Microscopic Sciences. <i>Microscopy (Oxford, England)</i> , 2016, 65, NP.2-NP.	1.5	0
40	Immunoelectron Microscopy of Cryofixed Freeze-Substituted Mammalian Tissue Culture Cells. <i>Methods in Molecular Biology</i> , 2010, 657, 181-190.	0.9	0
41	Morphometrical analysis of ultrastructural transformation in gastric parietal cells reverting from the active to the resting state processed by high pressure freezing. <i>FASEB Journal</i> , 2010, 24, 1006.1.	0.5	0
42	Physiological Expression of Calr Mutant Increases Cell Growth and Cytokine Independency in Human Cell Lines Expressing Mpl, and Develops Essential Thrombocythemia in Mice. <i>Blood</i> , 2016, 128, 954-954.	1.4	0
43	1S-B1-2 Backscattered-electron Imaging for Ultrastructural Evaluation of the Blood Platelet Profile: with a Provision of Human iPS Cell-derived Platelets Production for Clinical Transfusion. <i>Microscopy (Oxford, England)</i> , 2017, 66, i8-i8.	1.5	0
44	LS-2A Consideration about the Development of Leadership and Successors of Microscopists by Learning the Different Fields. <i>Microscopy (Oxford, England)</i> , 2017, 66, i16-i16.	1.5	0