

# Akira Sawaguchi

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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        |
| 2  | Three-dimensional culture of a pancreatic cancer cell line, SUIT-58, with air exposure can reflect the intrinsic features of the original tumor through electron microscopy. <i>Microscopy (Oxford, England)</i> , 2017, 66, i16-i16.                 | 10.1 | 10        |
| 3  | Survival of detached cancer cells is regulated by movement of intracellular Na <sup>+</sup> ,K <sup>+</sup> -ATPase. <i>Science</i> , 2021, 24, 102412.   | 4.1  | 9         |
| 4  | In situ strategy for biomedical target localization via nanogold nucleation and secondary growth. <i>Communications Biology</i> , 2021, 4, 710.   | 4.4  | 4         |
| 5  | Silencing of p53 and CDKN1A establishes sustainable immortalized megakaryocyte progenitor cells from human iPSCs. <i>Stem Cell Reports</i> , 2021, , .  | 4.8  | 7         |
| 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  | Monocyte-derived fibrocytes elimination had little contribution on liver fibrosis. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2019, 18, 348-353.  | 1.3  | 3         |
| 8  | 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        |
| 9  | Turbulence Activates Platelet Biogenesis to Enable Clinical Scale Ex Vivo Production. <i>Cell</i> , 2018, 174, 636-648.e18.   | 28.9 | 218       |
| 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 | A $\beta$ -tubulin-based megakaryocyte maturation reporter system identifies novel drugs that promote platelet production. <i>Blood Advances</i> , 2018, 2, 2262-2272.  | 5.2  | 23        |
| 12 | Selective Inhibition of ADAM17 Efficiently Mediates Glycoprotein Ib $\alpha$ 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        |
| 13 | 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         |
| 14 | 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         |
| 15 | 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         |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|--|------|-----------|
| 19 | 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         |
| 20 | 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         |
| 21 | "Rupture"™ 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         |
| 22 | 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         |
| 23 | 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        |
| 24 | 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       |
| 25 | 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         |
| 26 | 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        |
| 27 | 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        |
| 28 | 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       |
| 29 | Increased plasma lactoferrin levels in leucocytapheresis therapy in patients with rheumatoid arthritis. <i>Rheumatology</i> , 2014, 53, 1966-1972.   | 1.9  | 2         |
| 30 | 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        |
| 31 | Immunoelectron Microscopy of Cryofixed Freeze-Substituted Mammalian Tissue Culture Cells. <i>Methods in Molecular Biology</i> , 2010, 657, 181-190.  | 0.9  | 0         |
| 32 | 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         |
| 33 | 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        |
| 34 | A new device for high-pressure freezing of cultured cell monolayer using 10- $\mu$ m-thin stainless discs as both culture plate and specimen carrier. <i>Microscopy (Oxford, England)</i> , 2008, 57, 203-206.   | 1.5  | 4         |
| 35 | 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        |
| 36 | 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        |

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|----|--|-----|-----------|
| 37 | 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         |
| 38 | Application of 10- $\frac{1}{4}$ µm 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        |
| 39 | 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        |
| 40 | 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        |
| 41 | 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       |
| 42 | 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        |
| 43 | 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        |
| 44 | A Case of Villous Appearing Giant Early Gastric Carcinoma. <i>Progress of Digestive Endoscopy</i> (1972), 1997, 50, 196-199.   | 0.0 | 1         |