

# Shigehisa Aoki

## List of Publications by Year in descending order

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113  
papers

2,873  
citations

218381

26  
h-index

182168

51  
g-index

120  
all docs

120  
docs citations

120  
times ranked

4130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Periostin promotes chronic allergic inflammation in response to Th2 cytokines. <i>Journal of Clinical Investigation</i> , 2012, 122, 2590-2600.	3.9	327
2	Wnt9b signaling regulates planar cell polarity and kidney tubule morphogenesis. <i>Nature Genetics</i> , 2009, 41, 793-799.	9.4	313
3	Neurofibromatosis types 1 and 2: cranial MR findings.. <i>Radiology</i> , 1989, 172, 527-534.	3.6	209
4	Adipocytes and preadipocytes promote the proliferation of colon cancer cells in vitro. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G923-G929.	1.6	108
5	A Double-Functionalized Cyclen with Carbamoyl and Dansyl Groups (Cyclen =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (0.784314) American Chemical Society, 2001, 123, 1123-1132.	6.6	100
6	Bone Marrow Stromal Cells, Preadipocytes, and Dermal Fibroblasts Promote Epidermal Regeneration in Their Distinctive Fashions. <i>Molecular Biology of the Cell</i> , 2004, 15, 4647-4657.	0.9	95
7	Age-related fat deposition in multifidus muscle could be a marker for nonalcoholic fatty liver disease. <i>Journal of Gastroenterology</i> , 2010, 45, 218-224.	2.3	83
8	Cerebral aneurysms: detection and delineation using 3-D-CT angiography. <i>American Journal of Neuroradiology</i> , 1992, 13, 1115-20.	1.2	77
9	Enhancement of the intracranial arterial wall at MR imaging: relationship to cerebral atherosclerosis.. <i>Radiology</i> , 1995, 194, 477-481.	3.6	71
10	Interferon regulatory factor 5 is critical for the development of lupus in MRL/lpr mice. <i>Arthritis and Rheumatism</i> , 2011, 63, 738-748.	6.7	71
11	Contrast-enhanced MR images in patients with meningioma: importance of enhancement of the dura adjacent to the tumor. <i>American Journal of Neuroradiology</i> , 1990, 11, 935-8.	1.2	65
12	Prognostic value of pentraxin 3 in patients with chronic heart failure. <i>International Journal of Cardiology</i> , 2008, 130, 19-22.	0.8	64
13	Coculture of Endothelial Cells and Mature Adipocytes Actively Promotes Immature Preadipocyte Development In Vitro.. <i>Cell Structure and Function</i> , 2003, 28, 55-60.	0.5	63
14	Osteoblast migration into type I collagen gel and differentiation to osteocyte-like cells within a self-produced mineralized matrix: A novel system for analyzing differentiation from osteoblast to osteocyte. <i>Bone</i> , 2013, 52, 102-110.	1.4	60
15	Periostin Contributes to the Pathogenesis of Atopic Dermatitis by Inducing TSLP Production from Keratinocytes. <i>Allergology International</i> , 2012, 61, 563-572.	1.4	57
16	Irradiated fibroblast-induced bystander effects on invasive growth of squamous cell carcinoma under cancer-stromal cell interaction. <i>Cancer Science</i> , 2008, 99, 2417-2427.	1.7	53
17	Cytokeratin immunohistochemistry improves interobserver variability between unskilled pathologists in the evaluation of tumor budding in T1 colorectal cancer. <i>Pathology International</i> , 2016, 66, 75-82.	0.6	52
18	A new organotypic culture of thyroid tissue maintains three-dimensional follicles with C cells for a long term. <i>Biochemical and Biophysical Research Communications</i> , 2002, 294, 906-911.	1.0	42

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19	New supramolecular trigonal prisms from zinc(II)-1,4,7,10-tetraazacyclododecane (cyclen) complexes and trithiocyanurate in aqueous solution. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4894-4899.	3.3	37
20	A New Organotypic Culture of Adipose Tissue Fragments Maintains Viable Mature Adipocytes for a Long Term, Together with Development of Immature Adipocytes and Mesenchymal Stem Cell-Like Cells. Endocrinology, 2008, 149, 4794-4798.	1.4	36
21	Adipose tissue-organotypic culture system as a promising model for studying adipose tissue biology and regeneration. Organogenesis, 2009, 5, 50-56.	0.4	36
22	Interaction between adipose tissue stromal cells and gastric cancer cells in vitro. Cell and Tissue Research, 2011, 344, 287-298.	1.5	35
23	Comprehensive analyses of imprinted differentially methylated regions reveal epigenetic and genetic characteristics in hepatoblastoma. BMC Cancer, 2013, 13, 608.	1.1	31
24	Different Effects of Castration and Estrogen Administration on Glomerular Injury in Spontaneously Hyperglycemic Otsuka Long-Evans Tokushima Fatty (OLETF) Rats. Nephron, 2002, 92, 860-867.	0.9	30
25	High-density collagen patch prevents stricture after endoscopic circumferential submucosal dissection of the esophagus: a porcine model. Gastrointestinal Endoscopy, 2017, 85, 1076-1085.	0.5	28
26	Phosphaturic mesenchymal tumor, nonphosphaturic variant, causing fatal pulmonary metastasis. Human Pathology, 2013, 44, 2614-2618.	1.1	27
27	Roxithromycin and clarithromycin, 14-membered ring macrolides, potentiate the antitumor activity of cytotoxic agents against mouse B16 melanoma cells. Cancer Letters, 1999, 147, 17-24.	3.2	26
28	Organotypic culture of human bone marrow adipose tissue. Pathology International, 2010, 60, 259-267.	0.6	23
29	3D-CT angiography of cerebral arteriovenous malformations. Radiation Medicine, 1998, 16, 263-71.	0.8	23
30	Thyocytes, but not C cells, actively undergo growth and folliculogenesis at the periphery of thyroid tissue fragments in three-dimensional collagen gel culture. Cell and Tissue Research, 2003, 312, 281-289.	1.5	22
31	Histopathology of tenosynovium in trigger fingers. Pathology International, 2014, 64, 276-282.	0.6	22
32	Immunoglobulin A nephropathy with massive paramesangial deposits caused by anti-vascular endothelial growth factor therapy for metastatic rectal cancer: a case report and review of the literature. BMC Research Notes, 2013, 6, 450.	0.6	21
33	Sclerosing variant of epithelioid angiomyolipoma. Pathology International, 2008, 58, 306-310.	0.6	19
34	Non-skin mesenchymal cell types support epidermal regeneration in a mesenchymal stem cell or myofibroblast phenotype-independent manner. Pathology International, 2009, 59, 368-375.	0.6	19
35	A Promising Culture Model for Analyzing the Interaction between Adipose Tissue and Cardiomyocytes. Endocrinology, 2011, 152, 1599-1605.	1.4	19
36	Development of a tunable method to generate various three-dimensional microstructures by replenishing macromolecules such as extracellular matrix components and polysaccharides. Scientific Reports, 2020, 10, 6567.	1.6	19

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37	Adipose tissue explants and MDCK cells reciprocally regulate their morphogenesis in coculture. <i>Kidney International</i> , 2010, 78, 60-68.	2.6	18
38	A new cell-free bandage-type artificial skin for cutaneous wounds. <i>Wound Repair and Regeneration</i> , 2015, 23, 819-829.	1.5	18
39	Histiocytoid and signet-ring cell carcinoma of the axilla: a type of cutaneous apocrine carcinoma equivalent to histiocytoid lobular carcinoma of the breast?. <i>Clinical and Experimental Dermatology</i> , 2011, 36, 874-877.	0.6	17
40	Culture Models for Studying Thyroid Biology and Disorders. <i>Isrn Endocrinology</i> , 2011, 2011, 1-9.	2.0	17
41	Fluid Flow Stress Affects Peritoneal Cell Kinetics: Possible Pathogenesis of Peritoneal Fibrosis. <i>Peritoneal Dialysis International</i> , 2011, 31, 466-476.	1.1	17
42	Laryngeal Granuloma in Experimental Rats With Gastroesophageal Reflux Disease and Mechanically Injured Vocal Cord Mucosa. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2014, 123, 247-251.	0.6	17
43	Epigen is induced during the interleukin-13-stimulated cell proliferation in murine primary airway epithelial cells. <i>Experimental Lung Research</i> , 2011, 37, 461-470.	0.5	14
44	Adipose tissue behavior is distinctly regulated by neighboring cells and fluid flow stress: a possible role of adipose tissue in peritoneal fibrosis. <i>Journal of Artificial Organs</i> , 2013, 16, 322-331.	0.4	14
45	Effects of a cell-free method using collagen vitrigel incorporating TGF- $\beta$ 1 on articular cartilage repair in a rabbit osteochondral defect model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2592-2602.	1.6	14
46	Cancer-adipose tissue interaction and fluid flow synergistically modulate cell kinetics, HER2 expression, and trastuzumab efficacy in gastric cancer. <i>Gastric Cancer</i> , 2018, 21, 946-955.	2.7	14
47	Suture Granuloma Showing False-Positive Findings on FDG-PET. <i>Case Reports in Urology</i> , 2013, 2013, 1-3.	0.1	13
48	Progress in cell culture systems for pathological research. <i>Pathology International</i> , 2016, 66, 554-562.	0.6	13
49	Characterization of novel squamous cell carcinoma antigen-related molecules in mice. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 1340-1345.	1.0	11
50	Epithelial-to-mesenchymal transition and slit function of mesothelial cells are regulated by the cross talk between mesothelial cells and endothelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F116-F122.	1.3	11
51	Antiangiogenic and antitumor effects of tranilast on mouse lung carcinoma cells.. <i>International Journal of Oncology</i> , 2000, 17, 1151-6.	1.4	10
52	Nephrotic Syndrome due to Immunologically Mediated Hypocomplementemic Glomerulonephritis in a Patient of Waldenström's Macroglobulinemia. <i>Nephron</i> , 2002, 92, 452-455.	0.9	10
53	Air-liquid interface promotes invasive growth of laryngeal squamous cell carcinoma with or without hypoxia. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 866-872.	1.0	10
54	Crescentic Glomerulonephritis in a Patient with Heterozygous Fabry's Disease. <i>Nephron</i> , 2002, 92, 456-458.	0.9	9

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55	Merkel Cell Carcinoma With Glandular Differentiation Admixed With Sweat Gland Carcinoma and Spindle Cell Carcinoma. <i>American Journal of Dermatopathology</i> , 2015, 37, e31-e36.	0.3	9
56	Interaction between Esophageal Squamous Cell Carcinoma and Adipose Tissue in <i>in vitro</i> . <i>American Journal of Pathology</i> , 2016, 186, 1180-1194.	1.9	9
57	Development of a collagen-like peptide polymer via end-to-end disulfide cross-linking and its application as a biomaterial. <i>Acta Biomaterialia</i> , 2019, 94, 361-371.	4.1	9
58	A fatal case of necrotizing fasciitis due to bacterial translocation of <i>Klebsiella oxytoca</i> . <i>Journal of Infection and Chemotherapy</i> , 2008, 14, 62-65.	0.8	8
59	Triphasic differentiations of Merkel cell carcinoma in primary and metastatic lesions. <i>Journal of Cutaneous Pathology</i> , 2014, 41, 469-474.	0.7	8
60	Fabrication of bone marrow-like tissue <i>in vitro</i> from dispersed-state bone marrow cells. <i>Regenerative Therapy</i> , 2016, 3, 32-37.	1.4	8
61	The HUS1B promoter is hypomethylated in the placentas of low-birth-weight infants. <i>Gene</i> , 2016, 583, 141-146.	1.0	8
62	Induction of hepatic tissues in multicellular spheroids composed of murine fetal hepatic cells and embedded hydrogel beads. <i>Regenerative Therapy</i> , 2016, 3, 7-10.	1.4	8
63	Hepatobiliary and Pancreatic: A procalcitonin-secreting and calcitonin-secreting pancreatic neuroendocrine carcinoma. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2019, 34, 964-964.	1.4	8
64	Type III open tibial fractures in children. <i>Orthopedie Traumatologie</i> , 2001, 11, 169-175.	0.1	7
65	An organotypic culture system of Merkel cells using isolated epidermal sheets. <i>British Journal of Dermatology</i> , 2009, 161, 1239-1247.	1.4	7
66	Three-dimensional culture model for analyzing crosstalk between adipose tissue and hepatocytes. <i>Cell and Tissue Research</i> , 2013, 352, 611-621.	1.5	7
67	Mesenchymal cells and fluid flow stimulation synergistically regulate the kinetics of corneal epithelial cells at the air-liquid interface. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 1915-1924.	1.0	7
68	An autopsy case of granulocyte-colony-stimulating-factor-producing extrahepatic bile duct carcinoma. <i>World Journal of Gastroenterology</i> , 2008, 14, 2924.	1.4	7
69	Association of caspase-14 and filaggrin expression with keratinization of the oral mucosa and reconstruction culture rat models. <i>Journal of Periodontal Research</i> , 2014, 49, 703-710.	1.4	6
70	Low-Dose Phosphodiesterase III Inhibitor Reduces the Vascular Amyloid Burden in Amyloid- $\beta^2$ Protein Precursor Transgenic Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2295.	1.8	6
71	Active behavior of triple-negative breast cancer with adipose tissue invasion: a single center and retrospective review. <i>BMC Cancer</i> , 2021, 21, 434.	1.1	6
72	Embolization of extensive facial arteriovenous malformation via the orbital branches of the ophthalmic artery. <i>Radiation Medicine</i> , 1991, 9, 98-100.	0.8	6

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73	Prolonged effect of fluid flow stress on the proliferative activity of mesothelial cells after abrupt discontinuation of fluid streaming. <i>Biochemical and Biophysical Research Communications</i> , 2011, 416, 391-396.	1.0	5
74	Interaction between thyrocytes and adipose tissue <i>in vitro</i> . <i>Pathology International</i> , 2016, 66, 148-157.	0.6	5
75	Fluid dwell impact induces peritoneal fibrosis in the peritoneal cavity reconstructed <i>in vitro</i> . <i>Journal of Artificial Organs</i> , 2016, 19, 87-96.	0.4	5
76	A high-density collagen xerogel thread prevents the progression of peritoneal fibrosis. <i>Biomaterials Science</i> , 2019, 7, 125-138.	2.6	5
77	Terminal deoxynucleotidyl transferase (TdT) negative early T cell precursor acute lymphoblastic leukemia (ETP-ALL) with spontaneous acute kidney injury. <i>Annals of Hematology</i> , 2020, 99, 885-886.	0.8	5
78	One-Pot Preparation of Collagen Tubes Using Diffusing Gelation. <i>ACS Omega</i> , 2022, 7, 22872-22878.	1.6	5
79	The Air Liquid-interface, a Skin Microenvironment, Promotes Growth of Melanoma Cells, but not Their Apoptosis and Invasion, through Activation of Mitogen-activated Protein Kinase. <i>Acta Histochemica Et Cytochemica</i> , 2010, 43, 1-7.	0.8	4
80	Experimental pulmonary fibrosis in rats with chronic gastric acid reflux esophagitis. <i>Auris Nasus Larynx</i> , 2015, 42, 382-384.	0.5	4
81	Methods for Engineering of Multicellular Spheroids to Reconstitute the Liver Tissue. , 2018, , 145-158.		4
82	Cellular and physical microenvironments regulate the aggressiveness and sunitinib chemosensitivity of clear cell renal cell carcinoma. <i>Journal of Pathology</i> , 2021, 254, 46-56.	2.1	4
83	A Case of Tuberculous Cellulitis Lacking Epithelioid Granuloma. <i>Acta Dermato-Venereologica</i> , 2013, 93, 596-597.	0.6	3
84	Collagen vitrigel membrane: a powerful tool for skin regeneration. <i>Inflammation and Regeneration</i> , 2014, 34, 117-123.	1.5	3
85	Differential effects of adipose tissue stromal cells on the apoptosis, growth and invasion of bladder urothelial carcinoma between the superficial and invasive types. <i>International Journal of Urology</i> , 2016, 23, 510-519.	0.5	3
86	Acute renal failure associated with acute non-fulminant hepatitis B. <i>World Journal of Hepatology</i> , 2013, 5, 82.	0.8	3
87	Title is missing!. <i>Orthopedie Traumatologie</i> , 2002, 12, 20-25.	0.1	2
88	Culture system for studying thyroid biology. <i>International Congress Series</i> , 2007, 1299, 273-280.	0.2	2
89	Calcification around the Struts of a Sirolimus-eluting Stent Approximately 16 Months after Implantation in an Autopsy Case. <i>Internal Medicine</i> , 2016, 55, 353-358.	0.3	2
90	Proposal of peritoneal biopsy procedures for patients undergoing peritoneal dialysis. <i>Renal Replacement Therapy</i> , 2020, 6, .	0.3	2

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91	Tissue-specific Physical and Biological Microenvironments Modulate the Behavior of Cervical Squamous Cell Carcinoma. <i>Acta Histochemica Et Cytochemica</i> , 2021, 54, 155-165.	0.8	2
92	Thyroid Tissue-Organotypic Culture Using a New Approach for Overcoming the Disadvantages of Conventional Organ Culture. , 2006, , 411-414.		2
93	Direct cavernous sinus sampling. <i>Radiation Medicine</i> , 1993, 11, 196-200.	0.8	2
94	A quantitative Determination for Fluoro-intensity by Means of Fluorescent Antibody Technique. <i>Proceedings of the Japanese Histochemical Association</i> , 1961, 1961, 84-87.	0.0	1
95	Functional outcome of retrograde intramedullary nailing for femoral fractures. <i>Orthopedie Traumatologie</i> , 2001, 11, 29-33.	0.1	1
96	A case of endocapillary glomerulonephritis associated with peripheral blood natural killer cell proliferation. <i>CKJ: Clinical Kidney Journal</i> , 2011, 4, 307-309.	1.4	1
97	Epidermal regeneration by keratinocyte-alien mesenchymal cell interactions. <i>Inflammation and Regeneration</i> , 2010, 30, 428-433.	1.5	1
98	A notable case report of May-Hegglin anomaly with immune complex-related nephropathy: a genetic and histological analysis. <i>Clinical Nephrology</i> , 2011, 75, 255-262.	0.4	1
99	Concomitant Nephrotic Syndrome with Diffuse Large B-cell Lymphoma: A Case Report. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 252, 153-157.	0.5	1
100	Bystander effects induced by the interaction between urothelial cancer cells and irradiated adipose tissue-derived stromal cells in urothelial carcinoma. <i>Human Cell</i> , 2022, 35, 613.	1.2	1
101	An ultrasonic osteotomy device enhanced post-osteotomy bone healing beyond that with a conventional rotary device in a rat calvarial model. <i>Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology</i> , 2022, 34, 243-251.	0.2	1
102	Aberrant hypomethylation at imprinted differentially methylated regions is involved in biparental placental mesenchymal dysplasia. <i>Clinical Epigenetics</i> , 2022, 14, 64.	1.8	1
103	Cartilaginous matrix-producing apocrine carcinoma of the skin. <i>British Journal of Dermatology</i> , 2010, 163, 215-218.	1.4	0
104	The Influence of the Skin Microenvironment Air-Liquid Interface on Melanoma. , 0, , .		0
105	Correction to "Adipose tissue explants and MDCK cells reciprocally regulate their morphogenesis in coculture". <i>Kidney International</i> , 2011, 79, 1151.	2.6	0
106	Assembly of the hybrid multicellular spheroids using epithelial cells and hydrogel beads. , 2014, , .		0
107	A method to reorganize the bone marrow-like tissue with suspension of bone marrow cells. , 2015, , .		0
108	Functional and microstructural regulation of three-dimensional tissues by using extracellular matrix. , 2016, , .		0

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109	Collagen Vitrigel Membrane-Coated Nylon Line Prevents Stenosis After Conization of the Cervix Uteri. <i>Tissue Engineering - Part A</i> , 2021, , .	1.6	0
110	A Case Report of Hemifacial Spasm caused by Compression of Ecchordosis Physaliphora and Anterior Inferior Cerebellar Artery. <i>Japanese Journal of Neurosurgery</i> , 2021, 30, 734-739.	0.0	0
111	STUDIES ON THE STRENGTH-DURATION CURVES OF M WAVE AND H WAVE WITH SPECIAL REFERENCE TO THE MECHANISM OF THE CROSSING OF THE CURVES. <i>The Japanese Journal of Physiology</i> , 1961, 11, 183-193.	0.9	0
112	Histological Changes of the Lower Respiratory Tract in Experimental Rats with Chronic Acid Reflux Esophagitis. <i>Nihon Kikan Shokudoka Gakkai Kaiho</i> , 2015, 66, 245-249.	0.0	0
113	Proposal regarding peritoneal biopsy methods for peritoneal dialysis patients. <i>Nihon Toseki Igakkai Zasshi</i> , 2018, 51, 77-86.	0.2	0