

Tomohiko Ai

List of Publications by Year in Descending Order

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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.

69

papers

1,561

citations

21

h-index

38

g-index

77

ext. papers

1,910

ext. citations

4.9

avg, IF

3.93

L-index

#	Paper	IF	Citations
69	Clinical Evaluation of Siemens SARS-CoV-2 Total Antibody assay and IgG assay using the Dimension EXL 200 in the Tokyo Metropolitan area. <i>Heliyon</i> , 2021 , 7, e08393	3.6	0
68	Phosphorylation of Lamin A/C at serine 22 modulates Na 1.5 function. <i>Physiological Reports</i> , 2021 , 9, e15121	2.6	1
67	Diverse Mechanisms of Resistance to Decitabine and Venetoclax Therapy in Newly Diagnosed and Relapsed/Refractory AML Inferred By Transcriptome Analysis. <i>Blood</i> , 2021 , 138, 2244-2244	2.2	1
66	Abnormal Cardiac Repolarization After Seizure Episodes in Structural Brain Diseases: Cardiac Manifestation of Electrical Remodeling in the Brain?. <i>Journal of the American Heart Association</i> , 2021 , 10, e019778	6	1
65	Seroprevalence of anti-SARS-CoV-2 antibodies in Japanese COVID-19 patients. <i>PLoS ONE</i> , 2021 , 16, e0249449	3.7	2
64	Evidence-Based Assessment of Genes in Dilated Cardiomyopathy. <i>Circulation</i> , 2021 , 144, 7-19	16.7	34
63	Automated diagnostic support system with deep learning algorithms for distinction of Philadelphia chromosome-negative myeloproliferative neoplasms using peripheral blood specimen. <i>Scientific Reports</i> , 2021 , 11, 3367	4.9	2
62	Comparison of the clinical performance and usefulness of five SARS-CoV-2 antibody tests. <i>PLoS ONE</i> , 2021 , 16, e0246536	3.7	8
61	Peripheral granular lymphocytopenia and dysmorphic leukocytosis as simple prognostic markers in COVID-19. <i>International Journal of Laboratory Hematology</i> , 2021 , 43, 1309-1318	2.5	2
60	Exogenous mitochondrial transfer and endogenous mitochondrial fission facilitate AML resistance to OxPhos inhibition. <i>Blood Advances</i> , 2021 , 5, 4233-4255	7.8	8
59	Variant Interpretation for Dilated Cardiomyopathy: Refinement of the American College of Medical Genetics and Genomics/ClinGen Guidelines for the DCM Precision Medicine Study. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e002480	5.2	27
58	Telethonin variants found in Brugada syndrome, J-wave pattern ECG, and ARVC reduce peak Na 1.5 currents in HEK-293 cells. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020 , 43, 838-846	1.6	3
57	BCL2A1: A Novel Target in Refractory Acute Myeloid Leukemia with FLT3-ITD/D835 Dual Mutations. <i>Blood</i> , 2020 , 136, 32-33	2.2	
56	Laceration of the transverse mesocolon in an old man with a habit of abdominal massage for constipation: a case report. <i>Surgical Case Reports</i> , 2020 , 6, 1	0.8	7
55	Hemolysis Is Responsible for Elevation of Serum Iron Concentration After Regular Exercises in Judo Athletes. <i>Biological Trace Element Research</i> , 2020 , 197, 63-69	4.5	3
54	A Case of Fatal Stanford Type A Aortic Dissection Caused by a Traffic Accident with Low Energy Impact. <i>Open Access Emergency Medicine</i> , 2020 , 12, 287-291	1.9	1
53	Characteristics, laboratories, and prognosis of severe COVID-19 in the Tokyo metropolitan area: A retrospective case series. <i>PLoS ONE</i> , 2020 , 15, e0239644	3.7	10

52	Characteristics, laboratories, and prognosis of severe COVID-19 in the Tokyo metropolitan area: A retrospective case series 2020 , 15, e0239644		
51	Characteristics, laboratories, and prognosis of severe COVID-19 in the Tokyo metropolitan area: A retrospective case series 2020 , 15, e0239644		
50	Characteristics, laboratories, and prognosis of severe COVID-19 in the Tokyo metropolitan area: A retrospective case series 2020 , 15, e0239644		
49	Characteristics, laboratories, and prognosis of severe COVID-19 in the Tokyo metropolitan area: A retrospective case series 2020 , 15, e0239644		
48	A novel automated image analysis system using deep convolutional neural networks can assist to differentiate MDS and AA. <i>Scientific Reports</i> , 2019 , 9, 13385	4.9	26
47	Performance evaluation of the Sysmex DI-60 overview application for tumor cell detection in body fluid samples. <i>International Journal of Laboratory Hematology</i> , 2019 , 41, e134-e138	2.5	
46	A new highly sensitive real-time quantitative-PCR method for detection of BCR-ABL1 to monitor minimal residual disease in chronic myeloid leukemia after discontinuation of imatinib. <i>PLoS ONE</i> , 2019 , 14, e0207170	3.7	4
45	Human Soluble Recombinant Thrombomodulin, ART-123, Resolved Early Phase Coagulopathies, but Did Not Significantly Alter the 28 Day Outcome in the Treatment of DIC Associated with Infectious Systemic Inflammatory Response Syndromes. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	5
44	Atypical profile of aortic injury associated with blunt trauma in the metropolitan area of Japan. <i>Trauma Surgery and Acute Care Open</i> , 2019 , 4, e000342	2.4	2
43	Atrial fibrillation and electrophysiology in transgenic mice with cardiac-restricted overexpression of FKBP12. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 316, H371-H379	5.2	3
42	Evaluation of cell count and classification capabilities in body fluids using a fully automated Sysmex XN equipped with high-sensitive Analysis (hsA) mode and DI-60 hematology analyzer system. <i>PLoS ONE</i> , 2018 , 13, e0195923	3.7	9
41	Phosphorylation of the RSRSP stretch is critical for splicing regulation by RNA-Binding Motif Protein 20 (RBM20) through nuclear localization. <i>Scientific Reports</i> , 2018 , 8, 8970	4.9	21
40	Novel flowcytometry-based approach of malignant cell detection in body fluids using an automated hematology analyzer. <i>PLoS ONE</i> , 2018 , 13, e0190886	3.7	13
39	Lamin-A/C variants found in patients with cardiac conduction disease reduce sodium currents. <i>Neurology International</i> , 2018 , 8,	0	1
38	Eprobe mediated RT-qPCR for the detection of leukemia-associated fusion genes. <i>PLoS ONE</i> , 2018 , 13, e0202429	3.7	3
37	Drug-induced fatal arrhythmias: Acquired long QT and Brugada syndromes. <i>Pharmacology & Therapeutics</i> , 2017 , 176, 48-59	13.9	21
36	A Novel SCN5A Mutation Associated with Drug Induced Brugada Type ECG. <i>PLoS ONE</i> , 2016 , 11, e0161872	3.7	8
35	Arrhythmogenic calmodulin mutations impede activation of small-conductance calcium-activated potassium current. <i>Heart Rhythm</i> , 2016 , 13, 1716-23	6.7	18

34	Apamin does not inhibit human cardiac Na ⁺ current, L-type Ca ²⁺ current or other major K ⁺ currents. <i>PLoS ONE</i> , 2014 , 9, e96691	3.7	21
33	Hypokalemia promotes late phase 3 early afterdepolarization and recurrent ventricular fibrillation during isoproterenol infusion in Langendorff perfused rabbit ventricles. <i>Heart Rhythm</i> , 2014 , 11, 697-706	6.7	14
32	Heterogeneous upregulation of apamin-sensitive potassium currents in failing human ventricles. <i>Journal of the American Heart Association</i> , 2013 , 2, e004713	6	65
31	Apamin-sensitive potassium current modulates action potential duration restitution and arrhythmogenesis of failing rabbit ventricles. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013 , 6, 410-8	6.4	51
30	Ionic mechanisms underlying the effects of vasoactive intestinal polypeptide on canine atrial myocardium. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013 , 6, 976-83	6.4	10
29	Amiodarone inhibits apamin-sensitive potassium currents. <i>PLoS ONE</i> , 2013 , 8, e70450	3.7	26
28	Nerve Sprouting, Defibrillation and Calcium Waves 2013 , 219-232		
27	Compound heterozygous SCN5A gene mutations in asymptomatic Brugada syndrome child. <i>Neurology International</i> , 2012 , 2, 11	0	4
26	Imaging arrhythmogenic calcium signaling in intact hearts. <i>Pediatric Cardiology</i> , 2012 , 33, 968-74	2.1	4
25	Loss of function of hNav1.5 by a ZASP1 mutation associated with intraventricular conduction disturbances in left ventricular noncompaction. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 1017-26	6.4	25
24	Vagal stimulation promotes atrial electrical remodeling induced by rapid atrial pacing in dogs: evidence of a noncholinergic effect. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2011 , 34, 1092-9	1.6	14
23	Small-conductance calcium-activated potassium channel and recurrent ventricular fibrillation in failing rabbit ventricles. <i>Circulation Research</i> , 2011 , 108, 971-9	15.7	126
22	A ZASP missense mutation, S196L, leads to cytoskeletal and electrical abnormalities in a mouse model of cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010 , 3, 646-56	6.4	24
21	Long QT syndrome with compound mutations is associated with a more severe phenotype: a Japanese multicenter study. <i>Heart Rhythm</i> , 2010 , 7, 1411-8	6.7	89
20	A nonsense SCN5A mutation associated with Brugada-type electrocardiogram and intraventricular conduction defects. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009 , 32, 1231-6	1.6	5
19	A novel SCN5A mutation V1340I in Brugada syndrome augmenting arrhythmias during febrile illness. <i>Heart Rhythm</i> , 2009 , 6, 1318-26	6.7	28
18	alpha-1-syntrophin mutation and the long-QT syndrome: a disease of sodium channel disruption. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2008 , 1, 193-201	6.4	95
17	A common SCN5A variant alters the responsiveness of human sodium channels to class I antiarrhythmic agents. <i>Journal of Cardiovascular Electrophysiology</i> , 2007 , 18, 434-40	2.7	17

16	The effects of pulmonary vein isolation on the dominant frequency and organization of coronary sinus electrical activity during permanent atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2006 , 29, 1201-8	1.6	9
15	Slow pathway ablation decreases vulnerability to pacing-induced atrial fibrillation: Possible role of vagal denervation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2006 , 29, 1234-9	1.6	12
14	Effects of pulmonary vein ablation on regional atrial vagal innervation and vulnerability to atrial fibrillation in dogs. <i>Journal of Cardiovascular Electrophysiology</i> , 2005 , 16, 879-84	2.7	34
13	CFTR gating I: Characterization of the ATP-dependent gating of a phosphorylation-independent CFTR channel (DeltaR-CFTR). <i>Journal of General Physiology</i> , 2005 , 125, 361-75	3.4	54
12	Capsaicin potentiates wild-type and mutant cystic fibrosis transmembrane conductance regulator chloride-channel currents. <i>Molecular Pharmacology</i> , 2004 , 65, 1415-26	4.3	53
11	Direct effects of 9-anthracene compounds on cystic fibrosis transmembrane conductance regulator gating. <i>Pflugers Archiv European Journal of Physiology</i> , 2004 , 449, 88-95	4.6	15
10	Exercise stress test amplifies genotype-phenotype correlation in the LQT1 and LQT2 forms of the long-QT syndrome. <i>Circulation</i> , 2003 , 107, 838-44	16.7	190
9	Successful radiofrequency current catheter ablation of accessory atrioventricular pathway in Ebstein's anomaly using electroanatomic mapping. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2002 , 25, 374-5	1.6	13
8	Drug-induced long-QT syndrome associated with a subclinical SCN5A mutation. <i>Circulation</i> , 2002 , 106, 1269-74	16.7	158
7	Novel KCNJ2 mutation in familial periodic paralysis with ventricular dysrhythmia. <i>Circulation</i> , 2002 , 105, 2592-4	16.7	86
6	Long QT Syndrome as a Cause of Cardiac Sudden Death 2000 , 105-113		
5	Functional communication between cardiac ATP-sensitive K ⁺ channel and Na/K ATPase. <i>Journal of Cardiovascular Electrophysiology</i> , 1998 , 9, 415-22	2.7	13
4	Accentuated antagonism by angiotensin II on guinea-pig cardiac L-type Ca-currents enhanced by beta-adrenergic stimulation. <i>Pflugers Archiv European Journal of Physiology</i> , 1998 , 436, 168-74	4.6	21
3	Successful radiofrequency current catheter ablation of accessory atrioventricular pathway after tricuspid replacement in Ebstein's anomaly. <i>Japanese Circulation Journal</i> , 1998 , 62, 791-3		8
2	Block of pancreatic ATP-sensitive K ⁺ channels and insulinotrophic action by the antiarrhythmic agent, cibenzoline. <i>British Journal of Pharmacology</i> , 1996 , 117, 1749-55	8.6	29
1	Bilateral Segmental Digital Ischemia During Sepsis. <i>Medical Science Case Reports</i> , 3 , 64-66		