

# Tomohiko Ai

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

2,216  
citations

279798

23  
h-index

233421

45  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of an evaluation model to determine disease severity in COVID-19 using basic laboratory markers. <i>International Journal of Laboratory Hematology</i> , 2022, 44, .	1.3	0
2	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.	3.3	6
3	Novel Variants in the CLCN1, RYR2, and DCTN1 Found in Elderly Japanese Dementia Patients: A Case Series. <i>Geriatrics (Switzerland)</i> , 2021, 6, 14.	1.7	1
4	Comparison of the clinical performance and usefulness of five SARS-CoV-2 antibody tests. <i>PLoS ONE</i> , 2021, 16, e0246536.	2.5	17
5	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.	3.7	6
6	Seroprevalence of anti-SARS-CoV-2 antibodies in Japanese COVID-19 patients. <i>PLoS ONE</i> , 2021, 16, e0249449.	2.5	8
7	Evidence-Based Assessment of Genes in Dilated Cardiomyopathy. <i>Circulation</i> , 2021, 144, 7-19.	1.6	213
8	Peripheral granular lymphocytopenia and dysmorphic leukocytosis as simple prognostic markers in COVID-19. <i>International Journal of Laboratory Hematology</i> , 2021, 43, 1309-1318.	1.3	7
9	Exogenous mitochondrial transfer and endogenous mitochondrial fission facilitate AML resistance to OxPhos inhibition. <i>Blood Advances</i> , 2021, 5, 4233-4255.	5.2	36
10	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.	3.2	2
11	Phosphorylation of Lamin A/C at serine 22 modulates Na <sup>v</sup> 1.5 function. <i>Physiological Reports</i> , 2021, 9, e15121.	1.7	4
12	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.	1.4	2
13	Pandora will never regret having opened her box: reappraisal of genes associated with CPVT and SQTS. <i>European Heart Journal</i> , 2021, , .	2.2	1
14	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.	3.5	11
15	&lt;p&gt;A Case of Fatal Stanford Type A Aortic Dissection Caused by a Traffic Accident with Low Energy Impact&lt;/p&gt;. <i>Open Access Emergency Medicine</i> , 2020, Volume 12, 287-291.	1.3	1
16	Characteristics, laboratories, and prognosis of severe COVID-19 in the Tokyo metropolitan area: A retrospective case series. <i>PLoS ONE</i> , 2020, 15, e0239644.	2.5	18
17	Variant Interpretation for Dilated Cardiomyopathy. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002480.	3.6	70
18	Telethonin variants found in Brugada syndrome, J wave pattern ECG, and ARVC reduce peak Na <sup>v</sup> 1.5 currents in HEK293 cells. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020, 43, 838-846.	1.2	7

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19	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.	0.6	14
20	BCL2A1: A Novel Target in Refractory Acute Myeloid Leukemia with FLT3-ITD/D835 Dual Mutations. <i>Blood</i> , 2020, 136, 32-33.	1.4	0
21	Title is missing!. , 2020, 15, e0239644.		0
22	Title is missing!. , 2020, 15, e0239644.		0
23	Title is missing!. , 2020, 15, e0239644.		0
24	Title is missing!. , 2020, 15, e0239644.		0
25	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, 1553.	2.4	6
26	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.	3.3	51
27	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.	1.3	2
28	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.	2.5	9
29	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.	1.6	2
30	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.	3.2	8
31	Lamin-A/C variants found in patients with cardiac conduction disease reduce sodium currents. <i>Neurology International</i> , 2018, 8, .	0.5	3
32	Eprobe mediated RT-qPCR for the detection of leukemia-associated fusion genes. <i>PLoS ONE</i> , 2018, 13, e0202429.	2.5	4
33	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.	2.5	19
34	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.	3.3	58
35	Novel flowcytometry-based approach of malignant cell detection in body fluids using an automated hematology analyzer. <i>PLoS ONE</i> , 2018, 13, e0190886.	2.5	17
36	Drug-induced fatal arrhythmias: Acquired long QT and Brugada syndromes. , 2017, 176, 48-59.		29

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37	Comparison of the Analytical Performance Between cobas EGFR Assay and PCR-Clamp Method in the Detection of EGFR Mutations in Japanese Non-Small Cell Lung Cancer Patients. <i>Clinical Laboratory</i> , 2017, 63, 1021-1026.	0.5	1
38	A Novel SCN5A Mutation Associated with Drug Induced Brugada Type ECG. <i>PLoS ONE</i> , 2016, 11, e0161872.	2.5	10
39	Arrhythmogenic calmodulin mutations impede activation of small-conductance calcium-activated potassium current. <i>Heart Rhythm</i> , 2016, 13, 1716-1723.	0.7	21
40	Apamin Does Not Inhibit Human Cardiac Na <sup>+</sup> Current, L-type Ca <sup>2+</sup> Current or Other Major K <sup>+</sup> Currents. <i>PLoS ONE</i> , 2014, 9, e96691.	2.5	25
41	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.	0.7	19
42	Bilateral cardiac sympathetic denervation: The last resort?. <i>Heart Rhythm</i> , 2014, 11, 367-368.	0.7	2
43	Heterogeneous Upregulation of Apamin-sensitive Potassium Currents in Failing Human Ventricles. <i>Journal of the American Heart Association</i> , 2013, 2, e004713.	3.7	76
44	Apamin-Sensitive Potassium Current Modulates Action Potential Duration Restitution and Arrhythmogenesis of Failing Rabbit Ventricles. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 410-418.	4.8	57
45	Ionic Mechanisms Underlying the Effects of Vasoactive Intestinal Polypeptide on Canine Atrial Myocardium. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 976-983.	4.8	12
46	Amiodarone Inhibits Apamin-Sensitive Potassium Currents. <i>PLoS ONE</i> , 2013, 8, e70450.	2.5	28
47	Nerve Sprouting, Defibrillation and Calcium Waves. , 2013, , 219-232.		0
48	Loss of Function of hNa <sup>v</sup> 1.5 by a ZASP1 Mutation Associated With Intraventricular Conduction Disturbances in Left Ventricular Noncompaction. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 1017-1026.	4.8	34
49	Compound Heterozygous SCN5A Gene Mutations in Asymptomatic Brugada Syndrome Child. <i>Neurology International</i> , 2012, 2, e11.	0.5	5
50	Imaging Arrhythmogenic Calcium Signaling in Intact Hearts. <i>Pediatric Cardiology</i> , 2012, 33, 968-974.	1.3	5
51	Gene therapy for AF: A dream too far?. <i>Heart Rhythm</i> , 2011, 8, 1730-1731.	0.7	1
52	Is c-Src Tyrosine Kinase a New Target for Antiarrhythmic Drug Therapy?. <i>Journal of the American College of Cardiology</i> , 2011, 58, 2340-2341.	2.8	0
53	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, 1092-1099.	1.2	21
54	Small-Conductance Calcium-Activated Potassium Channel and Recurrent Ventricular Fibrillation in Failing Rabbit Ventricles. <i>Circulation Research</i> , 2011, 108, 971-979.	4.5	149

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55	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, 646-656.	4.8	40
56	Long QT syndrome with compound mutations is associated with a more severe phenotype: A Japanese multicenter study. <i>Heart Rhythm</i> , 2010, 7, 1411-1418.	0.7	103
57	A Nonsense <i>SCN5A</i> Mutation Associated with Brugada-Type Electrocardiogram and Intraventricular Conduction Defects. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009, 32, 1231-1236.	1.2	6
58	A novel <i>SCN5A</i> mutation V1340I in Brugada syndrome augmenting arrhythmias during febrile illness. <i>Heart Rhythm</i> , 2009, 6, 1318-1326.	0.7	34
59	$\beta$ -1-Syntrophin Mutation and the Long-QT Syndrome. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2008, 1, 193-201.	4.8	115
60	A Common <i>SCN5A</i> Variant Alters the Responsiveness of Human Sodium Channels to Class I Antiarrhythmic Agents. <i>Journal of Cardiovascular Electrophysiology</i> , 2007, 18, 434-440.	1.7	19
61	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, 1201-1208.	1.2	9
62	Slow Pathway Ablation Decreases Vulnerability to Pacing-Induced Atrial Fibrillation: Possible Role of Vagal Denervation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2006, 29, 1234-1239.	1.2	12
63	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, 879-884.	1.7	38
64	CFTR Gating I. <i>Journal of General Physiology</i> , 2005, 125, 361-375.	1.9	58
65	Capsaicin Potentiates Wild-Type and Mutant Cystic Fibrosis Transmembrane Conductance Regulator Chloride-Channel Currents. <i>Molecular Pharmacology</i> , 2004, 65, 1415-1426.	2.3	59
66	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.	2.8	15
67	Exercise Stress Test Amplifies Genotype-Phenotype Correlation in the LQT1 and LQT2 Forms of the Long-QT Syndrome. <i>Circulation</i> , 2003, 107, 838-844.	1.6	227
68	Drug-Induced Long-QT Syndrome Associated With a Subclinical <i>SCN5A</i> Mutation. <i>Circulation</i> , 2002, 106, 1269-1274.	1.6	182
69	Novel <i>KCNJ2</i> Mutation in Familial Periodic Paralysis With Ventricular Dysrhythmia. <i>Circulation</i> , 2002, 105, 2592-2594.	1.6	102
70	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, 374-375.	1.2	16
71	Long QT Syndrome as a Cause of Cardiac Sudden Death. , 2000, , 105-113.		0
72	Functional Communication Between Cardiac ATP-Sensitive K <sup>+</sup> -Channel and Na/K ATPase. <i>Journal of Cardiovascular Electrophysiology</i> , 1998, 9, 415-422.	1.7	15

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73	Accentuated antagonism by angiotensin II on guinea-pig cardiac L-type Ca-currents enhanced by $\beta^2$ -adrenergic stimulation. Pflugers Archiv European Journal of Physiology, 1998, 436, 168-174.	2.8	23
74	Successful Radiofrequency Current Catheter Ablation of Accessory Atrioventricular Pathway After Tricuspid Replacement in Ebstein's Anomaly. Japanese Circulation Journal, 1998, 62, 791-793.	1.0	8
75	Block of pancreatic ATP-sensitive K <sup>+</sup> channels and insulinotrophic action by the antiarrhythmic agent, cibenzoline. British Journal of Pharmacology, 1996, 117, 1749-1755.	5.4	37
76	Bilateral Segmental Digital Ischemia During Sepsis. Medical Science Case Reports, 0, 3, 64-66.	0.0	0