

# Atsushi Sakamoto

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,942  
citations

430874

18  
h-index

265206

42  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronary Artery Calcification and Its Progression. JACC: Cardiovascular Imaging, 2018, 11, 127-142.	5.3	282
2	CD163+ macrophages promote angiogenesis and vascular permeability accompanied by inflammation in atherosclerosis. Journal of Clinical Investigation, 2018, 128, 1106-1124.	8.2	209
3	Microthrombi as a Major Cause of Cardiac Injury in COVID-19. Circulation, 2021, 143, 1031-1042.	1.6	196
4	Drug-eluting coronary stents: insights from preclinical and pathology studies. Nature Reviews Cardiology, 2020, 17, 37-51.	13.7	150
5	Fully bioresorbable vascular scaffolds: lessons learned and future directions. Nature Reviews Cardiology, 2019, 16, 286-304.	13.7	143
6	Diversity of macrophage phenotypes and responses in atherosclerosis. Cellular and Molecular Life Sciences, 2020, 77, 1919-1932.	5.4	118
7	New insights into the role of iron in inflammation and atherosclerosis. EBioMedicine, 2019, 47, 598-606.	6.1	96
8	Calcium deposition within coronary atherosclerotic lesion: Implications for plaque stability. Atherosclerosis, 2020, 306, 85-95.	0.8	94
9	Roles of mitochondrial fragmentation and reactive oxygen species in mitochondrial dysfunction and myocardial insulin resistance. Experimental Cell Research, 2014, 323, 314-325.	2.6	68
10	Understanding the Impact of Stent and Scaffold Material and Strut Design on Coronary Artery Thrombosis from the Basic and Clinical Points of View. Bioengineering, 2018, 5, 71.	3.5	66
11	Eruptive Calcified Nodules as a Potential Mechanism of Acute Coronary Thrombosis and Sudden Death. Journal of the American College of Cardiology, 2021, 77, 1599-1611.	2.8	64
12	Histopathologic Characterization of Peripheral Arteries in Subjects With Abundant Risk Factors. JACC: Cardiovascular Imaging, 2019, 12, 1501-1513.	5.3	53
13	Vascular responses to coronary calcification following implantation of newer-generation drug-eluting stents in humans: impact on healing. European Heart Journal, 2020, 41, 786-796.	2.2	41
14	Marine-Derived Omega-3 Polyunsaturated Fatty Acids and Heart Failure: Current Understanding for Basic to Clinical Relevance. International Journal of Molecular Sciences, 2019, 20, 4025.	4.1	39
15	Comparison of Biologic Effect and Particulate Embolization after Femoral Artery Treatment with Three Drug-Coated Balloons in Healthy Swine Model. Journal of Vascular and Interventional Radiology, 2019, 30, 103-109.	0.5	38
16	Direct Targeting of the mTOR (Mammalian Target of Rapamycin) Kinase Improves Endothelial Permeability in Drug-Eluting Stents—Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2217-2224.	2.4	30
17	Thromboresistance and functional healing in the COBRA PzF stent versus competitor DES: implications for dual antiplatelet therapy. EuroIntervention, 2019, 15, e342-e353.	3.2	23
18	Eicosapentaenoic acid ameliorates palmitate-induced lipotoxicity via the AMP kinase/dynamin-related protein-1 signaling pathway in differentiated H9c2 myocytes. Experimental Cell Research, 2017, 351, 109-120.	2.6	21

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19	Coronary artery calcification. <i>Current Opinion in Cardiology</i> , 2018, 33, 645-652.	1.8	15
20	Healthy Strut Coverage After Coronary Stent Implantation. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e008869.	3.9	14
21	What are the Pathological Concerns and Limitations of Current Drug-coated Balloon Technology?. <i>Heart International</i> , 2019, 13, 15.	1.4	12
22	Aberrant serum polyunsaturated fatty acids profile is relevant with acute coronary syndrome. <i>Heart and Vessels</i> , 2016, 31, 1209-1217.	1.2	11
23	A new category stent with novel polyphosphazene surface modification. <i>Future Cardiology</i> , 2018, 14, 225-235.	1.2	11
24	Pathologic intimal thickening: Are we any closer to understand early transitional plaques that lead to symptomatic disease?. <i>Atherosclerosis</i> , 2018, 274, 227-229.	0.8	9
25	Histopathologic and physiologic effect of overlapping vs single coronary stents: impact of stent evolution. <i>Expert Review of Medical Devices</i> , 2018, 15, 665-682.	2.8	9
26	Pathology and Multimodality Imaging of Acute and Chronic Femoral Stenting in Humans. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 418-427.	2.9	8
27	Comparison of Endothelial Barrier Functional Recovery After Implantation of a Novel Biodegradable-Polymer Sirolimus-Eluting Stent in Comparison to Durable- and Biodegradable-Polymer Everolimus-Eluting Stents. <i>Cardiovascular Revascularization Medicine</i> , 2021, 24, 1-10.	0.8	8
28	Risk prediction of in-stent restenosis among patients with coronary drug-eluting stents: current clinical approaches and challenges. <i>Expert Review of Cardiovascular Therapy</i> , 2021, 19, 801-816.	1.5	8
29	Accidental Entrapment of Electrical Mapping Catheter by Chiari's Network in Right Atrium during Catheter Ablation Procedure. <i>Case Reports in Cardiology</i> , 2016, 2016, 1-5.	0.2	7
30	Calcified Nodule as the Cause of Acute Coronary Syndrome: Connecting Bench Observations to the Bedside. <i>Cardiology</i> , 2018, 139, 101-104.	1.4	7
31	Micro-Computed Tomography Demonstration of Multiple Plaque Ruptures in a Single Individual Presenting With Sudden Cardiac Death. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e008331.	2.6	7
32	Co-Registration of Peripheral Atherosclerotic Plaques Assessed by Conventional CT Angiography, MicroCT and Histology in Patients with Chronic Limb Threatening Ischaemia. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 61, 146-154.	1.5	7
33	Comparison of acute thrombogenicity and albumin adsorption in three different durable polymer coronary drug-eluting stents. <i>EuroIntervention</i> , 2021, 17, 248-256.	3.2	7
34	Endothelial Recovery in Bare Metal Stents and Drug-Eluting Stents on a Single-Cell Level. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2277-2292.	2.4	7
35	COBRA Pz, a coronary stent in clinical and preclinical studies: setting the stage for new antithrombotic strategies?. <i>Future Cardiology</i> , 2022, 18, 207-217.	1.2	7
36	Catheter Ablation of Tachycardias After Undergoing a Surgical Atriotomy Using a Multipolar Electrode Catheter. <i>Circulation Journal</i> , 2005, 69, 837-843.	1.6	6

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37	Renal denervation with ultrasound therapy (paradise device) is an effective therapy for systemic hypertension. <i>Journal of Thoracic Disease</i> , 2018, 10, S3060-S3063.	1.4	6
38	Ironing-Out the Role of Hepcidin in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 303-305.	2.4	6
39	Calcification in human vessels and valves: from pathological point of view. <i>AIMS Molecular Science</i> , 2020, 7, 183-210.	0.5	6
40	Histopathologic and physiologic effect of bifurcation stenting: current status and future prospects. <i>Expert Review of Medical Devices</i> , 2020, 17, 189-200.	2.8	5
41	Superior Vena Cava Syndrome Associated with the Metastasis of Gastric Adenocarcinoma to Cervical Lymph Nodes. <i>Digestive Diseases and Sciences</i> , 2007, 52, 3343-3345.	2.3	4
42	Peripartum cardiomyopathy with biventricular thrombus which led to massive cerebral embolism. <i>Journal of Cardiology Cases</i> , 2014, 9, 71-74.	0.5	4
43	Intravascular imaging and histological correlates of medial and intimal calcification in peripheral artery disease. <i>EuroIntervention</i> , 2021, 17, e688-e698.	3.2	4
44	Vulnerable Plaque in Patients with Acute Coronary Syndrome: Identification, Importance, and Management. <i>US Cardiology Review</i> , 0, 16, .	0.5	4
45	Evaluation and Management of the Vulnerable Plaque. <i>Current Cardiovascular Risk Reports</i> , 2019, 13, 1.	2.0	3
46	Acute thrombogenicity of fluoropolymer coated stents versus competitive drug-eluting stents under single antiplatelet therapy. <i>International Journal of Cardiology</i> , 2021, 338, 42-49.	1.7	3
47	Advances in mammalian target of rapamycin kinase inhibitors: application to devices used in the treatment of coronary artery disease. <i>Future Medicinal Chemistry</i> , 2020, 12, 1181-1195.	2.3	2
48	Vascular Permeability Assay in Human Coronary and Mouse Brachiocephalic Arteries. <i>Bio-protocol</i> , 2018, 8, .	0.4	2
49	Endless loop tachycardia below the upper tracking rate of a pacemaker: A case report. <i>Journal of Arrhythmia</i> , 2012, 28, 356-359.	1.2	1
50	Overcoming challenges in refining the current generation of coronary stents. <i>Expert Review of Cardiovascular Therapy</i> , 2021, 19, 1013-1028.	1.5	1
51	Types and pathology of vascular calcification. , 2019, , 1-25.		0
52	Ventricular Tachycardia on Previous Myocardial Infarction: Effective by Nifekalant, Bepridil and Two Sessions of Catheter Ablation. <i>Journal of Arrhythmia</i> , 2011, 27, PJ3_062.	1.2	0
53	Left Ventricular Improvement after Cardiac Resynchronization Therapy among Ischemic, Non-Ischemic and Right Ventricular Pacing-Induced Cardiomyopathy. <i>Journal of Arrhythmia</i> , 2011, 27, OP14_1.	1.2	0
54	A Case of Ventricular Tachycardia with Dilated Cardiomyopathy Controlled by D-Sotalol and Catheter Ablation. <i>Journal of Arrhythmia</i> , 2011, 27, PJ2_080.	1.2	0

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55	Basic Pathology of Arterial and Valvular Calcification in Humans. Contemporary Cardiology, 2020, , 13-45.	0.1	0