

# Shigeki Miyamoto

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

6,673  
citations

218592

26  
h-index

377752

34  
g-index

44  
all docs

44  
docs citations

44  
times ranked

16061  
citing authors

#	ARTICLE	IF	CITATIONS
1	RhoA signaling increases mitophagy and protects cardiomyocytes against ischemia by stabilizing PINK1 protein and recruiting Parkin to mitochondria. <i>Cell Death and Differentiation</i> , 2022, 29, 2472-2486.	5.0	12
2	SiglecF(HI) Marks Late-Stage Neutrophils of the Infarcted Heart: A Single-Cell Transcriptomic Analysis of Neutrophil Diversification. <i>Journal of the American Heart Association</i> , 2021, 10, e019019.	1.6	41
3	ATPase Inhibitory Factor-1 Disrupts Mitochondrial Ca <sup>2+</sup> Handling and Promotes Pathological Cardiac Hypertrophy through CaMKII $\beta$ . <i>International Journal of Molecular Sciences</i> , 2021, 22, 4427.	1.8	9
4	Molecular Signaling to Preserve Mitochondrial Integrity against Ischemic Stress in the Heart: Rescue or Remove Mitochondria in Danger. <i>Cells</i> , 2021, 10, 3330.	1.8	7
5	Histamine-induced biphasic activation of RhoA allows for persistent RhoA signaling. <i>PLoS Biology</i> , 2020, 18, e3000866.	2.6	6
6	RhoA induces mitophagy through PINK1 stabilization to confer cardioprotection. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
7	Fibroblast-Like Synoviocytes Glucose Metabolism as a Therapeutic Target in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2019, 10, 1743.	2.2	77
8	Inflammation in nonischemic heart disease: initiation by cardiomyocyte CaMKII and NLRP3 inflammasome signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H877-H890.	1.5	54
9	Dissociation of mitochondrial HK-II elicits mitophagy and confers cardioprotection against ischemia. <i>Cell Death and Disease</i> , 2019, 10, 730.	2.7	33
10	Autophagy and cardiac aging. <i>Cell Death and Differentiation</i> , 2019, 26, 653-664.	5.0	63
11	Yes-associated protein (YAP) mediates adaptive cardiac hypertrophy in response to pressure overload. <i>Journal of Biological Chemistry</i> , 2019, 294, 3603-3617.	1.6	63
12	Inflammation and NLRP3 Inflammasome Activation Initiated in Response to Pressure Overload by Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II $\beta$ Signaling in Cardiomyocytes Are Essential for Adverse Cardiac Remodeling. <i>Circulation</i> , 2018, 138, 2530-2544.	1.6	200
13	RhoA regulates Drp1 mediated mitochondrial fission through ROCK to protect cardiomyocytes. <i>Cellular Signalling</i> , 2018, 50, 48-57.	1.7	49
14	Hexokinase 2 as a novel selective metabolic target for rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1636-1643.	0.5	123
15	YAP and MRTF-A, transcriptional co-activators of RhoA-mediated gene expression, are critical for glioblastoma tumorigenicity. <i>Oncogene</i> , 2018, 37, 5492-5507.	2.6	49
16	RhoA mediated transcriptional pathways in tumor cell growth. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, SY84-1.	0.0	0
17	RhoA regulates mitochondrial quality control through mitophagy and mitochondrial fission. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, SY84-3.	0.0	0
18	Calcium/Calmodulin-dependent Protein Kinase II (CaMKII) Signaling in Cardiomyocytes Initiates Inflammatory Responses Required for Adverse Cardiac Remodeling in Response to Pressure Overload. <i>FASEB Journal</i> , 2018, 32, 698.4.	0.2	0

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19	CaMKII $\delta$ subtypes differentially regulate infarct formation following ex vivo myocardial ischemia/reperfusion through NF- $\kappa$ B and TNF- $\alpha$ . Journal of Molecular and Cellular Cardiology, 2017, 103, 48-55.	0.9	62
20	PHLPP regulates hexokinase 2-dependent glucose metabolism in colon cancer cells. Cell Death Discovery, 2017, 3, 16103.	2.0	28
21	Selective coupling of the S1P 3 receptor subtype to S1P-mediated RhoA activation and cardioprotection. Journal of Molecular and Cellular Cardiology, 2017, 103, 1-10.	0.9	33
22	Mitophagy as a Protective Mechanism against Myocardial Stress. , 2017, 7, 1407-1424.		73
23	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
24	Nutrient-sensing mTORC1: Integration of metabolic and autophagic signals. Journal of Molecular and Cellular Cardiology, 2016, 95, 31-41.	0.9	81
25	Drp1 and Mitochondrial Autophagy Lend a Helping Hand in Adaptation to Pressure Overload. Circulation, 2016, 133, 1225-1227.	1.6	7
26	Evaluating mitochondrial autophagy in the mouse heart. Journal of Molecular and Cellular Cardiology, 2016, 92, 134-139.	0.9	32
27	Myocardin-Related Transcription Factor A and Yes-Associated Protein Exert Dual Control in G Protein-Coupled Receptor- and RhoA-Mediated Transcriptional Regulation and Cell Proliferation. Molecular and Cellular Biology, 2016, 36, 39-49.	1.1	82
28	Mitochondrial Reprogramming Induced by CaMKII $\delta$ Mediates Hypertrophy Decompensation. Circulation Research, 2015, 116, e28-39.	2.0	47
29	Cellular redox status determines sensitivity to BNIP3-mediated cell death in cardiac myocytes. American Journal of Physiology - Cell Physiology, 2015, 308, C983-C992.	2.1	11
30	Nonequilibrium Reactivation of Na <sup>+</sup> Current Drives Early Afterdepolarizations in Mouse Ventricle. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 1205-1213.	2.1	42
31	Hexokinase-II Positively Regulates Glucose Starvation-Induced Autophagy through TORC1 Inhibition. Molecular Cell, 2014, 53, 521-533.	4.5	263
32	Induction of the matricellular protein CCN1 through RhoA and MRTF-A contributes to ischemic cardioprotection. Journal of Molecular and Cellular Cardiology, 2014, 75, 152-161.	0.9	29
33	S1P induces CCN1 expression through RhoA/MRTF $\alpha$ activation and protects cardiomyocytes against cell death. FASEB Journal, 2012, 26, 1060.4.	0.2	0
34	RhoA activates protein kinase D leading to cardioprotection against ischemia/reperfusion. FASEB Journal, 2011, 25, 1085.11.	0.2	0
35	Revisited and Revised: Is RhoA Always a Villain in Cardiac Pathophysiology?. Journal of Cardiovascular Translational Research, 2010, 3, 330-343.	1.1	44
36	PHLPP-1 Negatively Regulates Akt Activity and Survival in the Heart. Circulation Research, 2010, 107, 476-484.	2.0	115

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37	Inducible cardiac-specific RhoA expression protects against ischemia/reperfusion injury in mouse hearts. <i>FASEB Journal</i> , 2010, 24, 573.11.	0.2	0
38	Akt mediated mitochondrial protection in the heart: metabolic and survival pathways to the rescue. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 169-180.	1.0	90
39	Nuclear and mitochondrial signalling Akts in cardiomyocytes. <i>Cardiovascular Research</i> , 2008, 82, 272-285.	1.8	60
40	S1P receptor localization confers selectivity for G i mediated signaling pathways. <i>FASEB Journal</i> , 2008, 22, 727.6.	0.2	0
41	Ca <sup>2+</sup> Dysregulation Induces Mitochondrial Depolarization and Apoptosis. <i>Journal of Biological Chemistry</i> , 2005, 280, 38505-38512.	1.6	57
42	KB-R7943, a Na <sup>+</sup> /Ca <sup>2+</sup> Exchange Inhibitor, Does Not Suppress Ischemia/Reperfusion Arrhythmias nor Digitalis Arrhythmias in Dogs. <i>The Japanese Journal of Pharmacology</i> , 2002, 90, 229-235.	1.2	29
43	Multiple Insulin Injections in Adolescent Diabetics Using a Pen-Type Syringe. <i>Pediatrics International</i> , 1987, 29, 368-372.	0.2	0