

# Shin-ichi Oka

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,582  
citations

394390

19  
h-index

526264

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitophagy Is Essential for Maintaining Cardiac Function During High Fat Diet-Induced Diabetic Cardiomyopathy. <i>Circulation Research</i> , 2019, 124, 1360-1371.	4.5	306
2	A Redox-Dependent Mechanism for Regulation of AMPK Activation by Thioredoxin1 during Energy Starvation. <i>Cell Metabolism</i> , 2014, 19, 232-245.	16.2	194
3	An alternative mitophagy pathway mediated by Rab9 protects the heart against ischemia. <i>Journal of Clinical Investigation</i> , 2019, 129, 802-819.	8.2	177
4	Redox Regulatory Mechanism of Transnitrosylation by Thioredoxin. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2262-2275.	3.8	115
5	Hippo Deficiency Leads to Cardiac Dysfunction Accompanied by Cardiomyocyte Dedifferentiation During Pressure Overload. <i>Circulation Research</i> , 2019, 124, 292-305.	4.5	82
6	Histone methyltransferase Smyd1 regulates mitochondrial energetics in the heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7871-E7880.	7.1	70
7	KLF5 Is Induced by FOXO1 and Causes Oxidative Stress and Diabetic Cardiomyopathy. <i>Circulation Research</i> , 2021, 128, 335-357.	4.5	57
8	Dual PPAR $\alpha$ / $\beta$ activation inhibits SIRT1-PGC1 $\alpha$ axis and causes cardiac dysfunction. <i>JCI Insight</i> , 2019, 4, .	5.0	56
9	The role of redox modulation of class II histone deacetylases in mediating pathological cardiac hypertrophy. <i>Journal of Molecular Medicine</i> , 2009, 87, 785-791.	3.9	53
10	Metabolic reprogramming via PPAR $\alpha$ signaling in cardiac hypertrophy and failure: From metabolomics to epigenetics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H584-H596.	3.2	53
11	Alternative Mitophagy Protects the Heart Against Obesity-Associated Cardiomyopathy. <i>Circulation Research</i> , 2021, 129, 1105-1121.	4.5	49
12	Multiple Levels of PGC-1 $\alpha$ Dysregulation in Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 2.	2.4	47
13	Peroxisome Proliferator Activated Receptor- $\alpha$ Association With Silent Information Regulator 1 Suppresses Cardiac Fatty Acid Metabolism in the Failing Heart. <i>Circulation: Heart Failure</i> , 2015, 8, 1123-1132.	3.9	44
14	YAP mediates compensatory cardiac hypertrophy through aerobic glycolysis in response to pressure overload. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	43
15	Thioredoxin-1 maintains mechanistic target of rapamycin (mTOR) function during oxidative stress in cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2017, 292, 18988-19000.	3.4	41
16	Suppression of ERR targets by a PPAR $\alpha$ /Sirt1 complex in the failing heart. <i>Cell Cycle</i> , 2012, 11, 856-864.	2.6	29
17	YAP plays a crucial role in the development of cardiomyopathy in lysosomal storage diseases. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	29
18	Nampt Potentiates Antioxidant Defense in Diabetic Cardiomyopathy. <i>Circulation Research</i> , 2021, 129, 114-130.	4.5	28

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19	Yes-Associated Protein (YAP) Facilitates Pressure Overload-Induced Dysfunction in the Diabetic Heart. <i>JACC Basic To Translational Science</i> , 2019, 4, 611-622.	4.1	25
20	Recruitment of RNA Polymerase II to Metabolic Gene Promoters Is Inhibited in the Failing Heart Possibly Through PGC-1 $\beta$ (Peroxisome Proliferator-Activated Receptor- $\gamma$ Coactivator-1 $\beta$ ) Dysregulation. <i>Circulation: Heart Failure</i> , 2019, 12, e005529.	3.9	19
21	Thioredoxin-1 maintains mitochondrial function via mechanistic target of rapamycin signalling in the heart. <i>Cardiovascular Research</i> , 2020, 116, 1742-1755.	3.8	18
22	Proteomic analysis of mitochondrial biogenesis in cardiomyocytes differentiated from human induced pluripotent stem cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R547-R562.	1.8	14
23	Perm1 regulates cardiac energetics as a downstream target of the histone methyltransferase Smyd1. <i>PLoS ONE</i> , 2020, 15, e0234913.	2.5	13
24	$\beta$ -Hydroxybutyrate, a Ketone Body, Potentiates the Antioxidant Defense via Thioredoxin 1 Upregulation in Cardiomyocytes. <i>Antioxidants</i> , 2021, 10, 1153.	5.1	9
25	LncRNA KCNQ1OT1 promotes Atg12-mediated autophagy via inhibiting miR-26a-5p in ischemia reperfusion. <i>International Journal of Cardiology</i> , 2021, 339, 132-133.	1.7	5
26	Long-Term Habitual Vigorous Physical Activity Is Associated With Lower Visit-to-Visit Systolic Blood Pressure Variability: Insights From the SPRINT Trial. <i>American Journal of Hypertension</i> , 2021, 34, 463-466.	2.0	4
27	Protective role of Pink1-mediated mitophagy in Angiotensin II-induced cardiac injury. <i>International Journal of Cardiology</i> , 2018, 266, 218-219.	1.7	2