

# Kiichi Nakahira

## 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.

37  
papers

7,085  
citations

24  
h-index

38  
g-index

38  
ext. papers

8,213  
ext. citations

9  
avg, IF

5.06  
L-index

#	Paper	IF	Citations
37	Mitofusin1 regulates innate immune responses by inhibiting the accumulation of mitochondrial DNA mutation in sepsis. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2022</b> , 95, 1-YIA-33	0	
36	Association of plasma mitochondrial DNA with COPD severity and progression in the SPIROMICS cohort. <i>Respiratory Research</i> , <b>2021</b> , 22, 126	7.3	3
35	Multi-kinase framework promotes proliferation and invasion of lung adenocarcinoma through activation of dynamin-related protein 1. <i>Molecular Oncology</i> , <b>2021</b> , 15, 560-578	7.9	2
34	Cell-free DNA in human ex vivo lung perfusate as a potential biomarker to predict the risk of primary graft dysfunction in lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 162, 490-499.e2	1.5	5
33	Association of urine mitochondrial DNA with clinical measures of COPD in the SPIROMICS cohort. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	19
32	Cell-free DNA (cfDNA) and Exosome Profiling from a Year-Long Human Spaceflight Reveals Circulating Biomarkers. <i>IScience</i> , <b>2020</b> , 23, 101844	6.1	13
31	Apolipoprotein E and Periostin Are Potential Biomarkers of Nasal Mucosal Inflammation. A Parallel Approach of and Secretomes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2020</b> , 62, 23-34	5.7	5
30	Mitochondrial DNA Mutation, Diseases, and Nutrient-Regulated Mitophagy. <i>Annual Review of Nutrition</i> , <b>2019</b> , 39, 201-226	9.9	6
29	Heteroplasmy concordance between mitochondrial DNA and RNA. <i>Scientific Reports</i> , <b>2019</b> , 9, 12942	4.9	5
28	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , <b>2019</b> , 364,	33.3	300
27	Mitofusins regulate lipid metabolism to mediate the development of lung fibrosis. <i>Nature Communications</i> , <b>2019</b> , 10, 3390	17.4	40
26	Circulating Mitochondrial DNA as Predictor of Mortality in Critically Ill Patients: A Systematic Review of Clinical Studies. <i>Chest</i> , <b>2019</b> , 156, 1120-1136	5.3	19
25	Mitophagy-dependent macrophage reprogramming protects against kidney fibrosis. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	43
24	Association of Elevated Plasma Interleukin-18 Level With Increased Mortality in a Clinical Trial of Statin Treatment for Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 1089-1096	1.4	49
23	A phase I trial of low-dose inhaled carbon monoxide in sepsis-induced ARDS. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	52
22	RIPK3 promotes kidney fibrosis via AKT-dependent ATP citrate lyase. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	37
21	Plasma mitochondrial DNA and metabolomic alterations in severe critical illness. <i>Critical Care</i> , <b>2018</b> , 22, 360	10.8	18

20	Inflammasomes: Key Mediators of Lung Immunity. <i>Annual Review of Physiology</i> , <b>2017</b> , 79, 471-494	23.1	40
19	Mitochondrial DNA in Sepsis. <i>Current Opinion in Critical Care</i> , <b>2017</b> , 23, 284-290	3.5	40
18	Comparison of qSOFA and SIRS for predicting adverse outcomes of patients with suspicion of sepsis outside the intensive care unit. <i>Critical Care</i> , <b>2017</b> , 21, 73	10.8	120
17	Carbon monoxide regulates glycolysis-dependent NLRP3 inflammasome activation in macrophages. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 493, 957-963	3.4	15
16	Autophagy in Pulmonary Diseases. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 194, 1196-1207	10.2	50
15	Very Short Mitochondrial DNA Fragments and Heteroplasmy in Human Plasma. <i>Scientific Reports</i> , <b>2016</b> , 6, 36097	4.9	37
14	Autophagy: Friend or Foe in Lung Disease?. <i>Annals of the American Thoracic Society</i> , <b>2016</b> , 13 Suppl 1, S40-7	4.7	51
13	mTORC1-Induced HK1-Dependent Glycolysis Regulates NLRP3 Inflammasome Activation. <i>Cell Reports</i> , <b>2015</b> , 12, 102-115	10.6	230
12	BMPR2 preserves mitochondrial function and DNA during reoxygenation to promote endothelial cell survival and reverse pulmonary hypertension. <i>Cell Metabolism</i> , <b>2015</b> , 21, 596-608	24.6	123
11	Carbon monoxide in the treatment of sepsis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2015</b> , 309, L1387-93	5.8	40
10	Carbon monoxide negatively regulates NLRP3 inflammasome activation in macrophages. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2015</b> , 308, L1058-67	5.8	45
9	Mitochondria in lung biology and pathology: more than just a powerhouse. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2014</b> , 306, L962-74	5.8	117
8	Autophagy: a crucial moderator of redox balance, inflammation, and apoptosis in lung disease. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 474-94	8.4	63
7	Mitophagy-dependent necroptosis contributes to the pathogenesis of COPD. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 3987-4003	15.9	337
6	Metabolomic derangements are associated with mortality in critically ill adult patients. <i>PLoS ONE</i> , <b>2014</b> , 9, e87538	3.7	97
5	Circulating mitochondrial DNA in patients in the ICU as a marker of mortality: derivation and validation. <i>PLoS Medicine</i> , <b>2013</b> , 10, e1001577; discussion e1001577	11.6	275
4	Autophagy: a potential therapeutic target in lung diseases. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2013</b> , 305, L93-107	5.8	46
3	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544	46.2	2783

- 2 Autophagy proteins regulate innate immune responses by inhibiting the release of mitochondrial DNA mediated by the NALP3 inflammasome. *Nature Immunology*, **2011**, 12, 222-30 19.1 1959
- 1 FATTY ACIDS MODULATE TOLL-LIKE RECEPTOR 4 ACTIVATION THROUGH REGULATION OF RECEPTOR DIMERIZATION AND RECRUITMENT INTO LIPID RAFTS IN A ROS DEPENDENT MANNER. *FASEB Journal*, **2010**, 24, 476.7 0.9 1