

Kiichi Nakahira

List of Publications by Citations

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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	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.	14.2	2783
36	Autophagy proteins regulate innate immune responses by inhibiting the release of mitochondrial DNA mediated by the NALP3 inflammasome. <i>Nature Immunology</i> , 2011 , 12, 222-30	19.1	1959
35	Mitophagy-dependent necroptosis contributes to the pathogenesis of COPD. <i>Journal of Clinical Investigation</i> , 2014 , 124, 3987-4003	15.9	337
34	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019 , 364,	33.3	300
33	Circulating mitochondrial DNA in patients in the ICU as a marker of mortality: derivation and validation. <i>PLoS Medicine</i> , 2013 , 10, e1001577; discussion e1001577	11.6	275
32	mTORC1-Induced HK1-Dependent Glycolysis Regulates NLRP3 Inflammasome Activation. <i>Cell Reports</i> , 2015 , 12, 102-115	10.6	230
31	BMPR2 preserves mitochondrial function and DNA during reoxygenation to promote endothelial cell survival and reverse pulmonary hypertension. <i>Cell Metabolism</i> , 2015 , 21, 596-608	24.6	123
30	Comparison of qSOFA and SIRS for predicting adverse outcomes of patients with suspicion of sepsis outside the intensive care unit. <i>Critical Care</i> , 2017 , 21, 73	10.8	120
29	Mitochondria in lung biology and pathology: more than just a powerhouse. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L962-74	5.8	117
28	Metabolomic derangements are associated with mortality in critically ill adult patients. <i>PLoS ONE</i> , 2014 , 9, e87538	3.7	97
27	Autophagy: a crucial moderator of redox balance, inflammation, and apoptosis in lung disease. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 474-94	8.4	63
26	A phase I trial of low-dose inhaled carbon monoxide in sepsis-induced ARDS. <i>JCI Insight</i> , 2018 , 3,	9.9	52
25	Autophagy: Friend or Foe in Lung Disease?. <i>Annals of the American Thoracic Society</i> , 2016 , 13 Suppl 1, S40-7	4.7	51
24	Autophagy in Pulmonary Diseases. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 1196-1207	10.2	50
23	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> , 2019 , 47, 1089-1096	1.4	49
22	Autophagy: a potential therapeutic target in lung diseases. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013 , 305, L93-107	5.8	46
21	Carbon monoxide negatively regulates NLRP3 inflammasome activation in macrophages. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 308, L1058-67	5.8	45

20	Mitophagy-dependent macrophage reprogramming protects against kidney fibrosis. <i>JCI Insight</i> , 2019 , 4,	9.9	43
19	Inflammasomes: Key Mediators of Lung Immunity. <i>Annual Review of Physiology</i> , 2017 , 79, 471-494	23.1	40
18	Mitochondrial DNA in Sepsis. <i>Current Opinion in Critical Care</i> , 2017 , 23, 284-290	3.5	40
17	Mitofusins regulate lipid metabolism to mediate the development of lung fibrosis. <i>Nature Communications</i> , 2019 , 10, 3390	17.4	40
16	Carbon monoxide in the treatment of sepsis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 309, L1387-93	5.8	40
15	Very Short Mitochondrial DNA Fragments and Heteroplasmy in Human Plasma. <i>Scientific Reports</i> , 2016 , 6, 36097	4.9	37
14	RIPK3 promotes kidney fibrosis via AKT-dependent ATP citrate lyase. <i>JCI Insight</i> , 2018 , 3,	9.9	37
13	Circulating Mitochondrial DNA as Predictor of Mortality in Critically Ill Patients: A Systematic Review of Clinical Studies. <i>Chest</i> , 2019 , 156, 1120-1136	5.3	19
12	Association of urine mitochondrial DNA with clinical measures of COPD in the SPIROMICS cohort. <i>JCI Insight</i> , 2020 , 5,	9.9	19
11	Plasma mitochondrial DNA and metabolomic alterations in severe critical illness. <i>Critical Care</i> , 2018 , 22, 360	10.8	18
10	Carbon monoxide regulates glycolysis-dependent NLRP3 inflammasome activation in macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 493, 957-963	3.4	15
9	Cell-free DNA (cfDNA) and Exosome Profiling from a Year-Long Human Spaceflight Reveals Circulating Biomarkers. <i>IScience</i> , 2020 , 23, 101844	6.1	13
8	Mitochondrial DNA Mutation, Diseases, and Nutrient-Regulated Mitophagy. <i>Annual Review of Nutrition</i> , 2019 , 39, 201-226	9.9	6
7	Heteroplasmy concordance between mitochondrial DNA and RNA. <i>Scientific Reports</i> , 2019 , 9, 12942	4.9	5
6	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> , 2020 , 62, 23-34	5.7	5
5	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> , 2021 , 162, 490-499.e2	1.5	5
4	Association of plasma mitochondrial DNA with COPD severity and progression in the SPIROMICS cohort. <i>Respiratory Research</i> , 2021 , 22, 126	7.3	3
3	Multi-kinase framework promotes proliferation and invasion of lung adenocarcinoma through activation of dynamin-related protein 1. <i>Molecular Oncology</i> , 2021 , 15, 560-578	7.9	2

- 2 FATTY ACIDS MODULATE TOLL-LIKE RECEPTOR 4 ACTIVATION THROUGH REGULATION OF RECEPTOR DIMERIZATION AND RECRUITMENT INTO LIPID RAFTS IN A ROS DEPENDENT MANNER. 0.9 1
FASEB Journal, **2010**, 24, 476.7
- 1 Mitofusin1 regulates innate immune responses by inhibiting the accumulation of mitochondrial DNA mutation in sepsis. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2022**, 95, 1-YIA-33 0