

# Robert B Hamanaka

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

7,976  
citations

147801

31  
h-index

276875

41  
g-index

47  
all docs

47  
docs citations

47  
times ranked

16037  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of metabolic reprogramming and de novo amino acid synthesis in collagen protein production by myofibroblasts: implications for organ fibrosis and cancer. <i>Amino Acids</i> , 2021, 53, 1851-1862.	2.7	12
2	Intermittent Hypoxia-Induced Activation of Endothelial Cells Is Mediated via Sympathetic Activation-Dependent Catecholamine Release. <i>Frontiers in Physiology</i> , 2021, 12, 701995.	2.8	5
3	Metabolic requirements of pulmonary fibrosis: role of fibroblast metabolism. <i>FEBS Journal</i> , 2021, 288, 6331-6352.	4.7	31
4	Tissue-Resident Alveolar Macrophages Do Not Rely on Glycolysis for LPS-induced Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 243-255.	2.9	70
5	Suppression of Superoxide-Hydrogen Peroxide Production at Site IQ of Mitochondrial Complex I Attenuates Myocardial Stunning and Improves Postcardiac Arrest Outcomes. <i>Critical Care Medicine</i> , 2020, 48, e133-e140.	0.9	20
6	TGF- $\beta$ 2 Promotes Metabolic Reprogramming in Lung Fibroblasts via mTORC1-dependent ATF4 Activation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 601-612.	2.9	45
7	The Airway Epithelial Response to Air Pollution: It's Not Just Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 139-140.	2.9	2
8	Endogenous itaconate is not required for particulate matter-induced NRF2 expression or inflammatory response. <i>ELife</i> , 2020, 9, .	6.0	35
9	Glutamine Metabolism Is Required for Collagen Protein Synthesis in Lung Fibroblasts. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 597-606.	2.9	85
10	Single-Cell Transcriptomic Analysis of Human Lung Provides Insights into the Pathobiology of Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1517-1536.	5.6	866
11	Metformin Targets Mitochondrial Electron Transport to Reduce Air-Pollution-Induced Thrombosis. <i>Cell Metabolism</i> , 2019, 29, 335-347.e5.	16.2	75
12	Alveolar Epithelial Cells Burn Fat to Survive Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 135-136.	2.9	3
13	The NIEHS TaRGET II Consortium and environmental epigenomics. <i>Nature Biotechnology</i> , 2018, 36, 225-227.	17.5	79
14	Inhibition of Phosphoglycerate Dehydrogenase Attenuates Bleomycin-induced Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 585-593.	2.9	53
15	Particulate Matter Air Pollution: Effects on the Cardiovascular System. <i>Frontiers in Endocrinology</i> , 2018, 9, 680.	3.5	358
16	Inhalational exposure to particulate matter air pollution alters the composition of the gut microbiome. <i>Environmental Pollution</i> , 2018, 240, 817-830.	7.5	181
17	PFKFB3, a Direct Target of p63, Is Required for Proliferation and Inhibits Differentiation in Epidermal Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1267-1276.	0.7	27
18	Prolonged Exposures to Intermittent Hypoxia Promote Visceral White Adipose Tissue Inflammation in a Murine Model of Severe Sleep Apnea: Effect of Normoxic Recovery. <i>Sleep</i> , 2017, 40, .	1.1	45

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19	Experimental Lung Injury Reduces KrÄppel-like Factor 2 to Increase Endothelial Permeability via Regulation of RAPGEF3â€Rac1 Signaling. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 639-651.	5.6	54
20	Letter by Wu et al Regarding Article, â€Mechanical Activation of Hypoxia-Inducible Factor 1Î± Drives Endothelial Dysfunction at Atheroprone Sitesâ€. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, e197-e198.	2.4	1
21	HIF-1Î± is required for disturbed flow-induced metabolic reprogramming in human and porcine vascular endothelium. ELife, 2017, 6, .	6.0	120
22	The Mitochondrial Respiratory Chain Is Required for Organismal Adaptation to Hypoxia. Cell Reports, 2016, 15, 451-459.	6.4	45
23	Transforming Growth Factor (TGF)-Î² Promotes de Novo Serine Synthesis for Collagen Production. Journal of Biological Chemistry, 2016, 291, 27239-27251.	3.4	102
24	Regulation of myofibroblast differentiation by cardiac glycosides. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L815-L823.	2.9	27
25	Impaired Clearance of Influenza A Virus in Obese, Leptin Receptor Deficient Mice Is Independent of Leptin Signaling in the Lung Epithelium and Macrophages. PLoS ONE, 2014, 9, e108138.	2.5	42
26	Metformin inhibits mitochondrial complex I of cancer cells to reduce tumorigenesis. ELife, 2014, 3, e02242.	6.0	851
27	Mitochondrial Reactive Oxygen Species Promote Epidermal Differentiation and Hair Follicle Development. Science Signaling, 2013, 6, ra8.	3.6	276
28	Mitochondrial metabolism as a regulator of keratinocyte differentiation. Cellular Logistics, 2013, 3, e25456.	0.9	42
29	MicroRNAâ€31 targets FIHâ€1 to positively regulate corneal epithelial glycogen metabolism. FASEB Journal, 2012, 26, 3140-3147.	0.5	53
30	microRNA-31/factor-inhibiting hypoxia-inducible factor 1 nexus regulates keratinocyte differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14030-14034.	7.1	102
31	Targeting glucose metabolism for cancer therapy. Journal of Experimental Medicine, 2012, 209, 211-215.	8.5	333
32	Mitochondrial Complex III ROS Regulate Adipocyte Differentiation. Cell Metabolism, 2011, 14, 537-544.	16.2	550
33	Hypoxia Leads to Na,K-ATPase Downregulation via Ca<sup>2+</sup> Release-Activated Ca<sup>2+</sup> Channels and AMPK Activation. Molecular and Cellular Biology, 2011, 31, 3546-3556.	2.3	127
34	Warburg Effect and Redox Balance. Science, 2011, 334, 1219-1220.	12.6	122
35	The role of nuclear lamin B1 in cell proliferation and senescence. Genes and Development, 2011, 25, 2579-2593.	5.9	417
36	Mitochondrial reactive oxygen species regulate cellular signaling and dictate biological outcomes. Trends in Biochemical Sciences, 2010, 35, 505-513.	7.5	794

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37	Mitochondrial metabolism and ROS generation are essential for Kras-mediated tumorigenicity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8788-8793.	7.1	1,402
38	Mitochondrial reactive oxygen species regulate hypoxic signaling. Current Opinion in Cell Biology, 2009, 21, 894-899.	5.4	267
39	Virus-Induced Unfolded Protein Response Attenuates Antiviral Defenses via Phosphorylation-Dependent Degradation of the Type I Interferon Receptor. Cell Host and Microbe, 2009, 5, 72-83.	11.0	118
40	Ribosomal Stress Couples the Unfolded Protein Response to p53-dependent Cell Cycle Arrest. Journal of Biological Chemistry, 2006, 281, 30036-30045.	3.4	105
41	HIF-1 $\alpha$ induces glycolytic reprogramming in tissue-resident alveolar macrophages to promote cell survival during acute lung injury. ELife, 0, 11, .	6.0	8