

# Vincent C Auyeung

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

7,418  
citations

257450

24  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

10814  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Unfolded Protein Response and Cell Fate Control. <i>Molecular Cell</i> , 2018, 69, 169-181.	9.7	1,014
2	The Role of Endoplasmic Reticulum Stress in Human Pathology. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2015, 10, 173-194.	22.4	967
3	IRE1 $\hat{\pm}$ Kinase Activation Modes Control Alternate Endoribonuclease Outputs to Determine Divergent Cell Fates. <i>Cell</i> , 2009, 138, 562-575.	28.9	717
4	IRE1 $\hat{\pm}$ Induces Thioredoxin-Interacting Protein to Activate the NLRP3 Inflammasome and Promote Programmed Cell Death under Irremediable ER Stress. <i>Cell Metabolism</i> , 2012, 16, 250-264.	16.2	707
5	Mammalian microRNAs: experimental evaluation of novel and previously annotated genes. <i>Genes and Development</i> , 2010, 24, 992-1009.	5.9	706
6	IRE1 $\hat{\pm}$ Cleaves Select microRNAs During ER Stress to Derepress Translation of Proapoptotic Caspase-2. <i>Science</i> , 2012, 338, 818-822.	12.6	550
7	Allosteric Inhibition of the IRE1 $\hat{\pm}$ RNase Preserves Cell Viability and Function during Endoplasmic Reticulum Stress. <i>Cell</i> , 2014, 158, 534-548.	28.9	384
8	Beyond Secondary Structure: Primary-Sequence Determinants License Pri-miRNA Hairpins for Processing. <i>Cell</i> , 2013, 152, 844-858.	28.9	373
9	COPA mutations impair ER-Golgi transport and cause hereditary autoimmune-mediated lung disease and arthritis. <i>Nature Genetics</i> , 2015, 47, 654-660.	21.4	302
10	Bypassing a Kinase Activity with an ATP-Competitive Drug. <i>Science</i> , 2003, 302, 1533-1537.	12.6	213
11	Druggable sensors of the unfolded protein response. <i>Nature Chemical Biology</i> , 2014, 10, 892-901.	8.0	181
12	Divergent allosteric control of the IRE1 $\hat{\pm}$ endoribonuclease using kinase inhibitors. <i>Nature Chemical Biology</i> , 2012, 8, 982-989.	8.0	175
13	The defect in T-cell regulation in NOD mice is an effect on the T-cell effectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19857-19862.	7.1	174
14	Endoplasmic Reticulum Stress, Pancreatic $\hat{\text{A}}$ -Cell Degeneration, and Diabetes. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a007666-a007666.	6.2	151
15	Targeting ABL-IRE1 $\hat{\pm}$ Signaling Spares ER-Stressed Pancreatic $\hat{\text{I}}^2$ Cells to Reverse Autoimmune Diabetes. <i>Cell Metabolism</i> , 2017, 25, 883-897.e8.	16.2	149
16	Optimization and Functional Effects of Stable Short Hairpin RNA Expression in Primary Human Lymphocytes via Lentiviral Vectors. <i>Molecular Therapy</i> , 2006, 14, 494-504.	8.2	145
17	A fluorophore attached to nicotinic acetylcholine receptor $\hat{\text{A}}\text{M}2$ detects productive binding of agonist to the $\hat{\text{A}}\hat{\text{A}}$ site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10195-10200.	7.1	92
18	Structural and Functional Analysis of the Allosteric Inhibition of IRE1 $\hat{\pm}$ with ATP-Competitive Ligands. <i>ACS Chemical Biology</i> , 2016, 11, 2195-2205.	3.4	75

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19	Endoplasmic reticulum stress, degeneration of pancreatic islet $\beta$ -cells, and therapeutic modulation of the unfolded protein response in diabetes. <i>Molecular Metabolism</i> , 2019, 27, S60-S68.	6.5	73
20	Small Molecules to Improve ER Proteostasis in Disease. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 684-695.	8.7	59
21	Small molecule inhibition of IRE1 $\alpha$ kinase/RNase has anti-fibrotic effects in the lung. <i>PLoS ONE</i> , 2019, 14, e0209824.	2.5	51
22	A kinase inhibitor activates the IRE1 $\alpha$ RNase to confer cytoprotection against ER stress. <i>Biochemical and Biophysical Research Communications</i> , 2008, 365, 777-783.	2.1	46
23	Chaperone-mediated reflux of secretory proteins to the cytosol during endoplasmic reticulum stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11291-11298.	7.1	36
24	Parallel Signaling through IRE1 $\alpha$ and PERK Regulates Pancreatic Neuroendocrine Tumor Growth and Survival. <i>Cancer Research</i> , 2019, 79, 6190-6203.	0.9	25
25	Stuck in a Moment: Does Abnormal Persistence of Epithelial Progenitors Drive Pulmonary Fibrosis?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 667-669.	5.6	13
26	Nicotinic acetylcholine receptor signaling regulates inositol $\omega$ -requiring enzyme $\alpha$ activation to protect $\beta$ -cells against terminal unfolded protein response under irremediable endoplasmic reticulum stress. <i>Journal of Diabetes Investigation</i> , 2020, 11, 801-813.	2.4	12
27	IRE1 $\alpha$ drives lung epithelial progenitor dysfunction to establish a niche for pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L564-L580.	2.9	12
28	Targeting Adaptive IRE1 $\alpha$ Signaling and PLK2 in Multiple Myeloma: Possible Anti-Tumor Mechanisms of KIRA8 and Nilotinib. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6314.	4.1	9
29	ATP-competitive partial antagonists of the IRE1 $\alpha$ RNase segregate outputs of the UPR. <i>Nature Chemical Biology</i> , 2021, 17, 1148-1156.	8.0	7
30	Lentiviral Vector- Mediated Delivery of si/ shRNA. , 2004, , .		0