

Tim Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11489871/publications.pdf>

Version: 2024-02-01

28
papers

12,681
citations

318942

23
h-index

591227

27
g-index

30
all docs

30
docs citations

30
times ranked

25762
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Screens in Human Cells Using the CRISPR-Cas9 System. <i>Science</i> , 2014, 343, 80-84.	6.0	2,414
2	Identification and characterization of essential genes in the human genome. <i>Science</i> , 2015, 350, 1096-1101.	6.0	1,461
3	Cellpose: a generalist algorithm for cellular segmentation. <i>Nature Methods</i> , 2021, 18, 100-106.	9.0	1,375
4	An Essential Role of the Mitochondrial Electron Transport Chain in Cell Proliferation Is to Enable Aspartate Synthesis. <i>Cell</i> , 2015, 162, 540-551.	13.5	1,024
5	Perturbation of m6A Writers Reveals Two Distinct Classes of mRNA Methylation at Internal and 5' Sites. <i>Cell Reports</i> , 2014, 8, 284-296.	2.9	972
6	A Genome-wide CRISPR Screen in <i>Toxoplasma</i> Identifies Essential Apicomplexan Genes. <i>Cell</i> , 2016, 166, 1423-1435.e12.	13.5	667
7	Lysosomal amino acid transporter SLC38A9 signals arginine sufficiency to mTORC1. <i>Science</i> , 2015, 347, 188-194.	6.0	662
8	The CASTOR Proteins Are Arginine Sensors for the mTORC1 Pathway. <i>Cell</i> , 2016, 165, 153-164.	13.5	598
9	Metabolic determinants of cancer cell sensitivity to glucose limitation and biguanides. <i>Nature</i> , 2014, 508, 108-112.	13.7	585
10	Gene Essentiality Profiling Reveals Gene Networks and Synthetic Lethal Interactions with Oncogenic Ras. <i>Cell</i> , 2017, 168, 890-903.e15.	13.5	535
11	The Folliculin Tumor Suppressor Is a GAP for the RagC/D GTPases That Signal Amino Acid Levels to mTORC1. <i>Molecular Cell</i> , 2013, 52, 495-505.	4.5	436
12	Absolute Quantification of Matrix Metabolites Reveals the Dynamics of Mitochondrial Metabolism. <i>Cell</i> , 2016, 166, 1324-1337.e11.	13.5	367
13	Structural basis for leucine sensing by the Sestrin2-mTORC1 pathway. <i>Science</i> , 2016, 351, 53-58.	6.0	340
14	A genome-wide CRISPR screen identifies a restricted set of HIV host dependency factors. <i>Nature Genetics</i> , 2017, 49, 193-203.	9.4	290
15	MCT1-mediated transport of a toxic molecule is an effective strategy for targeting glycolytic tumors. <i>Nature Genetics</i> , 2013, 45, 104-108.	9.4	204
16	Systematic identification of signaling pathways with potential to confer anticancer drug resistance. <i>Science Signaling</i> , 2014, 7, ra121.	1.6	163
17	SFXN1 is a mitochondrial serine transporter required for one-carbon metabolism. <i>Science</i> , 2018, 362, .	6.0	154
18	A CRISPR screen identifies a pathway required for paraquat-induced cell death. <i>Nature Chemical Biology</i> , 2017, 13, 1274-1279.	3.9	138

#	ARTICLE	IF	CITATIONS
19	CHP1 Regulates Compartmentalized Glycerolipid Synthesis by Activating GPAT4. <i>Molecular Cell</i> , 2019, 74, 45-58.e7.	4.5	83
20	EASI-FISH for thick tissue defines lateral hypothalamus spatio-molecular organization. <i>Cell</i> , 2021, 184, 6361-6377.e24.	13.5	72
21	Single Guide RNA Library Design and Construction. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot090803.	0.2	30
22	Metabolic determinants of cellular fitness dependent on mitochondrial reactive oxygen species. <i>Science Advances</i> , 2020, 6, .	4.7	28
23	Viral Packaging and Cell Culture for CRISPR-Based Screens. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot090811.	0.2	27
24	Large-Scale Single Guide RNA Library Construction and Use for CRISPR-Cas9-Based Genetic Screens. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.top086892.	0.2	20
25	Genome-Wide CRISPR/Cas9 Screening for Identification of Cancer Genes in Cell Lines. <i>Methods in Molecular Biology</i> , 2019, 1907, 125-136.	0.4	16
26	GCN2 adapts protein synthesis to scavenging-dependent growth. <i>Cell Systems</i> , 2022, 13, 158-172.e9.	2.9	12
27	A Genome-Wide CRISPR/Cas9-Based Screen Identifies Heparan Sulfate Proteoglycans as Ligands of Killer-Cell Immunoglobulin-Like Receptors. <i>Frontiers in Immunology</i> , 2021, 12, 798235.	2.2	2
28	Paring down to the essentials. <i>Science</i> , 2018, 362, 904-904.	6.0	0