

Huaqing Cai

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

877
citations

623734

14
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA408 Is Critical for the <i>HY5-SPL7</i> Gene Network That Mediates the Coordinated Response to Light and Copper. <i>Plant Cell</i> , 2015, 26, 4933-4953.	6.6	164
2	Altering the threshold of an excitable signal transduction network changes cell migratory modes. <i>Nature Cell Biology</i> , 2017, 19, 329-340.	10.3	121
3	Ras-mediated activation of the TORC2-PKB pathway is critical for chemotaxis. <i>Journal of Cell Biology</i> , 2010, 190, 233-245.	5.2	118
4	Moving in the right direction: How eukaryotic cells migrate along chemical gradients. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 834-841.	5.0	69
5	Nucleocytoplasmic Shuttling of a GATA Transcription Factor Functions as a Development Timer. <i>Science</i> , 2014, 343, 1249531.	12.6	66
6	An Excitable Ras/PI3K/ERK Signaling Network Controls Migration and Oncogenic Transformation in Epithelial Cells. <i>Developmental Cell</i> , 2020, 54, 608-623.e5.	7.0	62
7	A large-scale screen reveals genes that mediate electrotaxis in <i>Dictyostelium discoideum</i> . <i>Science Signaling</i> , 2015, 8, ra50.	3.6	39
8	Statin-induced GGPP depletion blocks macropinocytosis and starves cells with oncogenic defects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4158-4168.	7.1	39
9	Analysis of Chemotaxis in <i>Dictyostelium</i> . <i>Methods in Molecular Biology</i> , 2011, 757, 451-468.	0.9	28
10	Laccase3-based extracellular domain provides possible positional information for directing Casparian strip formation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15400-15402.	7.1	24
11	MicroRNA775 regulates intrinsic leaf size and reduces cell wall pectin levels by targeting a galactosyltransferase gene in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2021, 33, 581-602.	6.6	22
12	Leep1 interacts with PIP3 and the Scar/WAVE complex to regulate cell migration and macropinocytosis. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	21
13	The GATA transcription factor GtaC regulates early developmental gene expression dynamics in <i>Dictyostelium</i> . <i>Nature Communications</i> , 2015, 6, 7551.	12.8	20
14	Auxilin facilitates membrane traffic in the early secretory pathway. <i>Molecular Biology of the Cell</i> , 2016, 27, 127-136.	2.1	19
15	Insight from the maximal activation of the signal transduction excitable network in <i>Dictyostelium discoideum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3722-E3730.	7.1	16
16	The novel RacE-binding protein GflB sharpens Ras activity at the leading edge of migrating cells. <i>Molecular Biology of the Cell</i> , 2016, 27, 1596-1605.	2.1	13
17	The PripA-TbcrA complex-centered Rab GAP cascade facilitates macropinosome maturation in <i>Dictyostelium</i> . <i>Nature Communications</i> , 2022, 13, 1787.	12.8	13
18	Structural and Functional Analyses of Hub MicroRNAs in An Integrated Gene Regulatory Network of <i>Arabidopsis</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 747-764.	6.9	10

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19	Oligopeptide transporter Slc15A modulates macropinocytosis in <i>Dictyostelium</i> by maintaining intracellular nutrient status. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	5
20	Gradients of PI(4,5)P2 and PI(3,5)P2 Jointly Participate in Shaping the Back State of Dictyostelium Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 835185.	3.7	3
21	Pitavastatin Selectively Kills PTEN Knock Out Cells and Cancer Organoids in Mouse Model via the Mevalonate Pathway. <i>FASEB Journal</i> , 2019, 33, 782.14.	0.5	0