

Chuan-Hsiang Huang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,303
citations

430874

18
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

2920
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure of a Human p110 α /p85 β Complex Elucidates the Effects of Oncogenic PI3K β Mutations. <i>Science</i> , 2007, 318, 1744-1748.	12.6	504
2	Eukaryotic Chemotaxis: A Network of Signaling Pathways Controls Motility, Directional Sensing, and Polarity. <i>Annual Review of Biophysics</i> , 2010, 39, 265-289.	10.0	435
3	A frequent kinase domain mutation that changes the interaction between PI3K β and the membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16996-17001.	7.1	255
4	Cells navigate with a local-excitation, global-inhibition-biased excitable network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17079-17086.	7.1	249
5	An excitable signal integrator couples to an idling cytoskeletal oscillator to drive cell migration. <i>Nature Cell Biology</i> , 2013, 15, 1307-1316.	10.3	194
6	Interaction of Motility, Directional Sensing, and Polarity Modules Recreates the Behaviors of Chemotaxing Cells. <i>PLoS Computational Biology</i> , 2013, 9, e1003122.	3.2	94
7	Structural comparisons of class I phosphoinositide 3-kinases. <i>Nature Reviews Cancer</i> , 2008, 8, 665-669.	28.4	82
8	Evolutionarily conserved coupling of adaptive and excitable networks mediates eukaryotic chemotaxis. <i>Nature Communications</i> , 2014, 5, 5175.	12.8	78
9	Insights into the oncogenic effects of /PIK3CA/ mutations from the structure of p110 α /p85 β . <i>Cell Cycle</i> , 2008, 7, 1151-1156.	2.6	73
10	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
11	NKCC1 Regulates Migration Ability of Glioblastoma Cells by Modulation of Actin Dynamics and Interacting with Cofilin. <i>EBioMedicine</i> , 2017, 21, 94-103.	6.1	58
12	Integrating chemical and mechanical signals through dynamic coupling between cellular protrusions and pulsed ERK activation. <i>Nature Communications</i> , 2018, 9, 4673.	12.8	48
13	Binding of nitrogen α -containing bisphosphonates (N α CBPs) to the <i>Trypanosoma cruzi</i> farnesyl diphosphate synthase homodimer. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 888-899.	2.6	33
14	Deciphering cell signaling networks with massively multiplexed biosensor barcoding. <i>Cell</i> , 2021, 184, 6193-6206.e14.	28.9	29
15	Analysis of Chemotaxis in <i>Dictyostelium</i> . <i>Methods in Molecular Biology</i> , 2011, 757, 451-468.	0.9	28
16	G α ² Regulates Coupling between Actin Oscillators for Cell Polarity and Directional Migration. <i>PLoS Biology</i> , 2016, 14, e1002381.	5.6	28
17	Structural Effects of Oncogenic PI3K β Mutations. <i>Current Topics in Microbiology and Immunology</i> , 2010, 347, 43-53.	1.1	22
18	Inhibition of ovarian tumor cell invasiveness by targeting SYK in the tyrosine kinase signaling pathway. <i>Oncogene</i> , 2018, 37, 3778-3789.	5.9	22

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19	Cell memory and adaptation in chemotaxis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15287-15288.	7.1	8
20	Gα _i protein signaling and adaptation in chemotaxis. FASEB Journal, 2011, 25, .	0.5	0