

Sean R Collins

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

831
citations

840119

11
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996533

15
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26
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26
docs citations

26
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	Locally excitable Cdc42 signals steer cells during chemotaxis. <i>Nature Cell Biology</i> , 2016, 18, 191-201.	4.6	166
2	Identification of phagocytosis regulators using magnetic genome-wide CRISPR screens. <i>Nature Genetics</i> , 2018, 50, 1716-1727.	9.4	135
3	A map of gene expression in neutrophil-like cell lines. <i>BMC Genomics</i> , 2018, 19, 573.	1.2	100
4	Quantitative Genetic Interaction Mapping Using the E-MAP Approach. <i>Methods in Enzymology</i> , 2010, 470, 205-231.	0.4	80
5	Efficient Front-Rear Coupling in Neutrophil Chemotaxis by Dynamic Myosin II Localization. <i>Developmental Cell</i> , 2019, 49, 189-205.e6.	3.1	59
6	SUMO is a pervasive regulator of meiosis. <i>ELife</i> , 2021, 10, .	2.8	50
7	Mass Spectrometric Identification of Urinary Biomarkers of Pulmonary Tuberculosis. <i>EBioMedicine</i> , 2018, 31, 157-165.	2.7	46
8	Using light to shape chemical gradients for parallel and automated analysis of chemotaxis. <i>Molecular Systems Biology</i> , 2015, 11, 804.	3.2	38
9	Host cells subdivide nutrient niches into discrete biogeographical microhabitats for gut microbes. <i>Cell Host and Microbe</i> , 2022, 30, 836-847.e6.	5.1	29
10	WASP integrates substrate topology and cell polarity to guide neutrophil migration. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	28
11	Directional reorientation of migrating neutrophils is limited by suppression of receptor input signaling at the cell rear through myosin II activity. <i>Nature Communications</i> , 2021, 12, 6619.	5.8	27
12	Optimized iLID Membrane Anchors for Local Optogenetic Protein Recruitment. <i>ACS Synthetic Biology</i> , 2021, 10, 1009-1023.	1.9	23
13	Optogenetic control of receptors reveals distinct roles for actin- and Cdc42-dependent negative signals in chemotactic signal processing. <i>Nature Communications</i> , 2021, 12, 6148.	5.8	14
14	Engineering a Cellular Boat with Rearward Membrane Flow. <i>Developmental Cell</i> , 2018, 46, 1-3.	3.1	12
15	Parallel High-Resolution Imaging of Leukocyte Chemotaxis Under Agarose with Rho-Family GTPase Biosensors. <i>Methods in Molecular Biology</i> , 2018, 1821, 71-85.	0.4	11
16	Decoding GEFs of animated cells. <i>Nature Chemical Biology</i> , 2020, 16, 812-813.	3.9	0