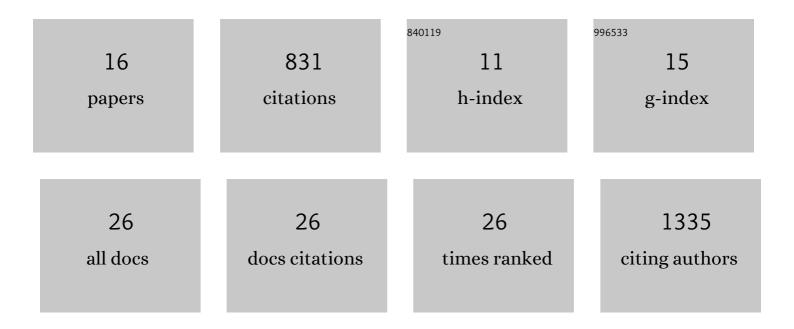
## Sean R Collins

List of Publications by Year in descending order

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SEAN R COLLINS

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