Melanie R Silvis

List of Publications by Year
in descending order

13 papers	1,490 citations	687363 13 h-index	1125743 13 g-index
15 all docs	15 docs citations	15 times ranked	2457 citing authors

#	Article	IF	Citations
1	Inhibition of CRISPR-Cas9 with Bacteriophage Proteins. Cell, 2017, 168, 150-158.e10.	28.9	409
2	Identification of Host-Targeted Small Molecules That Restrict Intracellular Mycobacterium tuberculosis Growth. PLoS Pathogens, 2014, 10, e1003946.	4.7	234
3	Identification of Novel Inhibitors of M. tuberculosis Growth Using Whole Cell Based High-Throughput Screening. ACS Chemical Biology, 2012, 7, 1377-1384.	3.4	232
4	Enabling genetic analysis of diverse bacteria with Mobile-CRISPRi. Nature Microbiology, 2019, 4, 244-250.	13.3	163
5	Identification of Novel Inhibitors of Nonreplicating Mycobacterium tuberculosis Using a Carbon Starvation Model. ACS Chemical Biology, 2013, 8, 2224-2234.	3.4	79
6	Bacterial CRISPR: accomplishments and prospects. Current Opinion in Microbiology, 2015, 27, 121-126.	5.1	74
7	Mismatch-CRISPRi Reveals the Co-varying Expression-Fitness Relationships of Essential Genes in Escherichia coli and Bacillus subtilis. Cell Systems, 2020, 11, 523-535.e9.	6.2	72
8	Ribosomal mutations promote the evolution of antibiotic resistance in a multidrug environment. ELife, 2017, 6, .	6.0	53
9	Baeyer-Villiger Monooxygenases EthA and MymA Are Required for Activation of Replicating and Non-replicating Mycobacterium tuberculosis Inhibitors. Cell Chemical Biology, 2016, 23, 666-677.	5.2	46
10	Bacterial CRISPR screens for gene function. Current Opinion in Microbiology, 2021, 59, 102-109.	5.1	38
11	Morphological and Transcriptional Responses to CRISPRi Knockdown of Essential Genes in Escherichia coli. MBio, 2021, 12, e0256121.	4.1	38
12	Modulating Pathogenesis with Mobile-CRISPRi. Journal of Bacteriology, 2019, 201, .	2.2	31
13	Ceragenins and Antimicrobial Peptides Kill Bacteria through Distinct Mechanisms. MBio, 2022, 13, e0272621.	4.1	18