

Gil Amitai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3810163/publications.pdf>

Version: 2024-02-01

18
papers

4,151
citations

516710

16
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

3863
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic discovery of antiphage defense systems in the microbial pangenome. <i>Science</i> , 2018, 359, .	12.6	776
2	Communication between viruses guides lysisâ€“lysogeny decisions. <i>Nature</i> , 2017, 541, 488-493.	27.8	465
3	Network Analysis of Protein Structures Identifies Functional Residues. <i>Journal of Molecular Biology</i> , 2004, 344, 1135-1146.	4.2	450
4	Cyclic GMPâ€“AMP signalling protects bacteria against viral infection. <i>Nature</i> , 2019, 574, 691-695.	27.8	370
5	Self-targeting by CRISPR: gene regulation or autoimmunity?. <i>Trends in Genetics</i> , 2010, 26, 335-340.	6.7	353
6	CRISPR adaptation biases explain preference for acquisition of foreign DNA. <i>Nature</i> , 2015, 520, 505-510.	27.8	346
7	CRISPRâ€“Cas adaptation: insights into the mechanism of action. <i>Nature Reviews Microbiology</i> , 2016, 14, 67-76.	28.6	324
8	Prokaryotic viperins produce diverse antiviral molecules. <i>Nature</i> , 2021, 589, 120-124.	27.8	172
9	Diversity and classification of cyclic-oligonucleotide-based anti-phage signalling systems. <i>Nature Microbiology</i> , 2020, 5, 1608-1615.	13.3	160
10	Antiviral activity of bacterial TIR domains via immune signalling molecules. <i>Nature</i> , 2021, 600, 116-120.	27.8	159
11	Cyclic CMP and cyclic UMP mediate bacterial immunity against phages. <i>Cell</i> , 2021, 184, 5728-5739.e16.	28.9	156
12	Bacterial gasdermins reveal an ancient mechanism of cell death. <i>Science</i> , 2022, 375, 221-225.	12.6	132
13	Distribution and function of new bacterial inteinâ€“like protein domains. <i>Molecular Microbiology</i> , 2003, 47, 61-73.	2.5	59
14	Bacteria deplete deoxynucleotides to defend against bacteriophage infection. <i>Nature Microbiology</i> , 2022, 7, 1200-1209.	13.3	58
15	Quantitative species-level ecology of reef fish larvae via metabarcoding. <i>Nature Ecology and Evolution</i> , 2018, 2, 306-316.	7.8	56
16	Repeat Size Determination by Two Molecular Rulers in the Type I-E CRISPR Array. <i>Cell Reports</i> , 2016, 16, 2811-2818.	6.4	27
17	Intracellular signaling in CRISPR-Cas defense. <i>Science</i> , 2017, 357, 550-551.	12.6	10
18	Natural selection underlies apparent stress-induced mutagenesis in a bacteriophage infection model. <i>Nature Microbiology</i> , 2016, 1, 16047.	13.3	7