

Orna Dahan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6269893/publications.pdf>

Version: 2024-02-01

16
papers

1,752
citations

759233

12
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

2583
citing authors

#	ARTICLE	IF	CITATIONS
1	An Evolutionarily Conserved Mechanism for Controlling the Efficiency of Protein Translation. <i>Cell</i> , 2010, 141, 344-354.	28.9	759
2	A Dual Program for Translation Regulation in Cellular Proliferation and Differentiation. <i>Cell</i> , 2014, 158, 1281-1292.	28.9	414
3	Systematic Detection of Amino Acid Substitutions in Proteomes Reveals Mechanistic Basis of Ribosome Errors and Selection for Translation Fidelity. <i>Molecular Cell</i> , 2019, 75, 427-441.e5.	9.7	84
4	Regulatory mechanisms and networks couple the different phases of gene expression. <i>Trends in Genetics</i> , 2011, 27, 316-322.	6.7	75
5	A Comprehensive tRNA Deletion Library Unravels the Genetic Architecture of the tRNA Pool. <i>PLoS Genetics</i> , 2014, 10, e1004084.	3.5	72
6	Repertoires of tRNAs: The Couplers of Genomics and Proteomics. <i>Annual Review of Cell and Developmental Biology</i> , 2018, 34, 239-264.	9.4	72
7	Dynamic changes in translational efficiency are deduced from codon usage of the transcriptome. <i>Nucleic Acids Research</i> , 2012, 40, 10053-10063.	14.5	55
8	RNA editing in bacteria recodes multiple proteins and regulates an evolutionarily conserved toxin-antitoxin system. <i>Genome Research</i> , 2017, 27, 1696-1703.	5.5	51
9	Tissue- and Time-Specific Expression of Otherwise Identical tRNA Genes. <i>PLoS Genetics</i> , 2016, 12, e1006264.	3.5	50
10	Dynamic changes in tRNA modifications and abundance during T cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	27
11	Manipulation of the human tRNA pool reveals distinct tRNA sets that act in cellular proliferation or cell cycle arrest. <i>ELife</i> , 2020, 9, .	6.0	21
12	Experimental Evolution of <i>Bacillus subtilis</i> Reveals the Evolutionary Dynamics of Horizontal Gene Transfer and Suggests Adaptive and Neutral Effects. <i>Genetics</i> , 2020, 216, 543-558.	2.9	20
13	RNA editing in bacteria: occurrence, regulation and significance. <i>RNA Biology</i> , 2018, 15, 863-867.	3.1	17
14	A broad analysis of splicing regulation in yeast using a large library of synthetic introns. <i>PLoS Genetics</i> , 2021, 17, e1009805.	3.5	16
15	Evolthon: A community endeavor to evolve lab evolution. <i>PLoS Biology</i> , 2019, 17, e3000182.	5.6	10
16	Harnessing robotic automation and web-based technologies to modernize scientific outreach. <i>PLoS Biology</i> , 2019, 17, e3000348.	5.6	2