

# Udi Qimron

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8219635/udi-qimron-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59  
papers

3,436  
citations

25  
h-index

58  
g-index

65  
ext. papers

4,058  
ext. citations

11.7  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
59	A continuous evolution system for contracting the host range of bacteriophage T7. <i>Scientific Reports</i> , <b>2020</b> , 10, 307	4.9	20
58	Phage T7 DNA mimic protein Ocr is a potent inhibitor of BREX defence. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 5397-5406	20.1	23
57	Activated Eosinophils Exert Antitumorigenic Activities in Colorectal Cancer. <i>Cancer Immunology Research</i> , <b>2019</b> , 7, 388-400	12.5	64
56	Optimizing DNA transduction by selection of mutations that evade bacterial defense systems. <i>RNA Biology</i> , <b>2019</b> , 16, 595-599	4.8	4
55	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. <i>Nature Microbiology</i> , <b>2019</b> , 4, 1727-1736	26.6	100
54	A genetic system for biasing the sex ratio in mice. <i>EMBO Reports</i> , <b>2019</b> , 20, e48269	6.5	9
53	A technological and regulatory outlook on CRISPR crop editing. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 1291-1298	4.7	37
52	T7 phage factor required for managing RpoS in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E5353-E5362	11.5	19
51	Full shut-off of Escherichia coli RNA-polymerase by T7 phage requires a small phage-encoded DNA-binding protein. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 7697-7707	20.1	12
50	Extending the Host Range of Bacteriophage Particles for DNA Transduction. <i>Molecular Cell</i> , <b>2017</b> , 66, 721-728.e3	17.6	79
49	Crystal-clear memories of a bacterium. <i>Science</i> , <b>2017</b> , 357, 1096-1097	33.3	
48	CD300f:IL-5 cross-talk inhibits adipose tissue eosinophil homing and subsequent IL-4 production. <i>Scientific Reports</i> , <b>2017</b> , 7, 5922	4.9	18
47	Sensitizing pathogens to antibiotics using the CRISPR-Cas system. <i>Drug Resistance Updates</i> , <b>2017</b> , 30, 1-6	23.2	24
46	Selection of Genetically Modified Bacteriophages Using the CRISPR-Cas System. <i>Bio-protocol</i> , <b>2017</b> , 7,	0.9	4
45	Repeat Size Determination by Two Molecular Rulers in the Type I-E CRISPR Array. <i>Cell Reports</i> , <b>2016</b> , 16, 2811-2818	10.6	21
44	Natural selection underlies apparent stress-induced mutagenesis in a bacteriophage infection model. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16047	26.6	6
43	Phenotypic heterogeneity in a bacteriophage population only appears as stress-induced mutagenesis. <i>Current Genetics</i> , <b>2016</b> , 62, 771-773	2.9	1

42	Counteracting selection for antibiotic-resistant bacteria. <i>Bacteriophage</i> , <b>2016</b> , 6, e1096996		10
41	Adaptation in CRISPR-Cas Systems. <i>Molecular Cell</i> , <b>2016</b> , 61, 797-808	17.6	148
40	Temperate and lytic bacteriophages programmed to sensitize and kill antibiotic-resistant bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 7267-72	11.5	267
39	CRISPR adaptation biases explain preference for acquisition of foreign DNA. <i>Nature</i> , <b>2015</b> , 520, 505-510	50.4	275
38	Using the CRISPR-Cas System to Positively Select Mutants in Genes Essential for Its Function. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1311, 233-50	1.4	
37	Programming Bacteriophages by Swapping Their Specificity Determinants. <i>Trends in Microbiology</i> , <b>2015</b> , 23, 744-746	12.4	11
36	Microbiology: How bacteria get spacers from invaders. <i>Nature</i> , <b>2015</b> , 519, 166-7	50.4	5
35	Different approaches for using bacteriophages against antibiotic-resistant bacteria. <i>Bacteriophage</i> , <b>2014</b> , 4, e28491		15
34	Efficient engineering of a bacteriophage genome using the type I-E CRISPR-Cas system. <i>RNA Biology</i> , <b>2014</b> , 11, 42-4	4.8	94
33	Revealing bacterial targets of growth inhibitors encoded by bacteriophage T7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 18715-20	11.5	13
32	DNA motifs determining the efficiency of adaptation into the Escherichia coli CRISPR array. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 14396-401	11.5	53
31	Discovery of functional toxin/antitoxin systems in bacteria by shotgun cloning. <i>Molecular Cell</i> , <b>2013</b> , 50, 136-48	17.6	91
30	CRISPR adaptation in Escherichia coli subtype I-E system. <i>Biochemical Society Transactions</i> , <b>2013</b> , 41, 1412-5	5	9
29	Gene product 0.4 increases bacteriophage T7 competitiveness by inhibiting host cell division. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 19549-54	11.5	31
28	New Details about Bacteriophage T7-Host Interactions. <i>Microbe Magazine</i> , <b>2013</b> , 5, 117-122		5
27	Proteins and DNA elements essential for the CRISPR adaptation process in Escherichia coli. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 5569-76	20.1	484
26	The bacterial CRISPR/Cas system as analog of the mammalian adaptive immune system. <i>RNA Biology</i> , <b>2012</b> , 9, 549-54	4.8	22
25	Reversing bacterial resistance to antibiotics by phage-mediated delivery of dominant sensitive genes. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 744-51	4.8	129

24	Experimental definition of a clustered regularly interspaced short palindromic duplicon in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , <b>2012</b> , 423, 14-6	6.5	42
23	High-temperature protein G is essential for activity of the <i>Escherichia coli</i> clustered regularly interspaced short palindromic repeats (CRISPR)/Cas system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20136-41	11.5	69
22	The <i>Escherichia coli</i> CRISPR system protects from $\lambda$ lysogenization, lysogens, and prophage induction. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 6291-4	3.5	131
21	Mutations in the gene 5 DNA polymerase of bacteriophage T7 suppress the dominant lethal phenotype of gene 2.5 ssDNA binding protein lacking the C-terminal phenylalanine. <i>Molecular Microbiology</i> , <b>2009</b> , 72, 869-80	4.1	8
20	Mutations in the gene 5 DNA polymerase of bacteriophage T7 suppress the dominant lethal phenotype of gene 2.5 ssDNA binding protein lacking the C-terminal phenylalanine. <i>Molecular Microbiology</i> , <b>2009</b> , 73, 323-323	4.1	
19	Communication between subunits critical to DNA binding by hexameric helicase of bacteriophage T7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 8908-13	11.5	13
18	Gene 1.7 of bacteriophage T7 confers sensitivity of phage growth to dideoxythymidine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 9373-8	11.5	10
17	Inadequate inhibition of host RNA polymerase restricts T7 bacteriophage growth on hosts overexpressing udk. <i>Molecular Microbiology</i> , <b>2008</b> , 67, 448-57	4.1	16
16	Gene 1.7 of Bacteriophage T7 Confers Sensitivity of Phage Growth to Dideoxythymidine. <i>FASEB Journal</i> , <b>2008</b> , 22, 651.5	0.9	
15	Dynamic DNA helicase-DNA polymerase interactions assure processive replication fork movement. <i>Molecular Cell</i> , <b>2007</b> , 27, 539-49	17.6	91
14	Genomewide screens for <i>Escherichia coli</i> genes affecting growth of T7 bacteriophage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 19039-44	11.5	139
13	Oligomeric states of bacteriophage T7 gene 4 primase/helicase. <i>Journal of Molecular Biology</i> , <b>2006</b> , 360, 667-77	6.5	53
12	Lethal influenza infection in the absence of the natural killer cell receptor gene Ncr1. <i>Nature Immunology</i> , <b>2006</b> , 7, 517-23	19.1	438
11	Primer initiation and extension by T7 DNA primase. <i>EMBO Journal</i> , <b>2006</b> , 25, 2199-208	13	26
10	Role of the linker between the zinc binding domain and the polymerization domain of the bacteriophage T7 DNA primase. <i>FASEB Journal</i> , <b>2006</b> , 20, A910	0.9	
9	Tumor vaccination by <i>Salmonella typhimurium</i> after transformation with a eukaryotic expression vector in mice: impact of a <i>Salmonella typhimurium</i> gene interfering with MHC class I presentation. <i>Journal of Immunotherapy</i> , <b>2005</b> , 28, 467-79	5	12
8	Role of a conserved arginine in the mechanism of acetoxyacid synthase: catalysis of condensation with a specific ketoacid substrate. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 24803-12	5.4	47
7	Membrane-associated heparan sulfate proteoglycans are involved in the recognition of cellular targets by NKp30 and NKp46. <i>Journal of Immunology</i> , <b>2004</b> , 173, 2392-401	5.3	120

6	Restoration of gene function by homologous recombination: from PCR to gene expression in one step. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 7156-60	4.8	5
5	Identification of Salmonella typhimurium genes responsible for interference with peptide presentation on MHC class I molecules: Deltayej Salmonella mutants induce superior CD8+ T-cell responses. <i>Cellular Microbiology</i> , <b>2004</b> , 6, 1057-70	3.9	30
4	Non-replicating mucosal and systemic vaccines: quantitative and qualitative differences in the Ag-specific CD8(+) T cell population in different tissues. <i>Vaccine</i> , <b>2004</b> , 22, 1390-4	4.1	12
3	The mechanisms controlling NK cell autoreactivity in TAP2-deficient patients. <i>Blood</i> , <b>2004</b> , 103, 1770-8	2.2	56
2	Reliable determination of transposon insertion site in prokaryotes by direct sequencing. <i>Journal of Microbiological Methods</i> , <b>2003</b> , 54, 137-40	2.8	9
1	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage		5