

Gianni Deh

List of Publications by Citations

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

86

papers

2,982

citations

32

h-index

51

g-index

88

ext. papers

3,235

ext. citations

5.6

avg, IF

4.57

L-index

#	Paper	IF	Citations
86	Functional analysis of the protein machinery required for transport of lipopolysaccharide to the outer membrane of Escherichia coli. <i>Journal of Bacteriology</i> , 2008 , 190, 4460-9	3.5	181
85	Characterization of lptA and lptB, two essential genes implicated in lipopolysaccharide transport to the outer membrane of Escherichia coli. <i>Journal of Bacteriology</i> , 2007 , 189, 244-53	3.5	177
84	Mechanisms of genome propagation and helper exploitation by satellite phage P4. <i>Microbiological Reviews</i> , 1993 , 57, 683-702		132
83	The lipopolysaccharide transport system of Gram-negative bacteria. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 594-602	5	116
82	Novel structure of the conserved gram-negative lipopolysaccharide transport protein A and mutagenesis analysis. <i>Journal of Molecular Biology</i> , 2008 , 380, 476-88	6.5	115
81	Changes in Escherichia coli transcriptome during acclimatization at low temperature. <i>Research in Microbiology</i> , 2003 , 154, 573-80	4	88
80	Determination of capsid size by satellite bacteriophage P4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1978 , 75, 400-4	11.5	83
79	Transcriptional and post-transcriptional control of polynucleotide phosphorylase during cold acclimation in Escherichia coli. <i>Molecular Microbiology</i> , 2000 , 36, 1470-80	4.1	74
78	Non-essential KDO biosynthesis and new essential cell envelope biogenesis genes in the Escherichia coli yrbG-yhbG locus. <i>Research in Microbiology</i> , 2006 , 157, 547-58	4	73
77	The Escherichia coli Lpt transenvelope protein complex for lipopolysaccharide export is assembled via conserved structurally homologous domains. <i>Journal of Bacteriology</i> , 2013 , 195, 1100-8	3.5	72
76	New insights into the Lpt machinery for lipopolysaccharide transport to the cell surface: LptA-LptC interaction and LptA stability as sensors of a properly assembled transenvelope complex. <i>Journal of Bacteriology</i> , 2011 , 193, 1042-53	3.5	69
75	Analysis of the Escherichia coli RNA degradosome composition by a proteomic approach. <i>Biochimie</i> , 2006 , 88, 151-61	4.6	69
74	The plasmid status of satellite bacteriophage P4. <i>Plasmid</i> , 2001 , 45, 1-17	3.3	66
73	Hfq affects the length and the frequency of short oligo(A) tails at the 3' end of Escherichia coli rpsO mRNAs. <i>Nucleic Acids Research</i> , 2003 , 31, 4017-23	20.1	62
72	Bacteriophage P4 immunity controlled by small RNAs via transcription termination. <i>Molecular Microbiology</i> , 1992 , 6, 3415-25	4.1	56
71	DNA sequence of satellite bacteriophage P4. <i>Nucleic Acids Research</i> , 1990 , 18, 1649	20.1	56
70	Lysogenization by satellite phage P4. <i>Virology</i> , 1981 , 113, 20-38	3.6	53

69	Genetic analysis of the immunity region of phage-plasmid P4. <i>Molecular Microbiology</i> , 1992 , 6, 3405-13	4.1	51
68	A proteomic approach to the analysis of RNA degradosome composition in Escherichia coli. <i>Methods in Enzymology</i> , 2008 , 447, 99-117	1.7	48
67	S1 ribosomal protein and the interplay between translation and mRNA decay. <i>Nucleic Acids Research</i> , 2011 , 39, 7702-15	20.1	47
66	Genetic analysis of polynucleotide phosphorylase structure and functions. <i>Biochimie</i> , 2007 , 89, 145-57	4.6	44
65	Control of transcription termination by an RNA factor in bacteriophage P4 immunity: identification of the target sites. <i>Journal of Bacteriology</i> , 1995 , 177, 1425-34	3.5	43
64	Comparative profiling of Pseudomonas aeruginosa strains reveals differential expression of novel unique and conserved small RNAs. <i>PLoS ONE</i> , 2012 , 7, e36553	3.7	41
63	Polynucleotide phosphorylase of Escherichia coli is required for the establishment of bacteriophage P4 immunity. <i>Journal of Bacteriology</i> , 1996 , 178, 5513-21	3.5	40
62	First evidences for a third sulfatase maturation system in prokaryotes from E. coli aslB and ydeM deletion mutants. <i>FEBS Letters</i> , 2007 , 581, 1009-14	3.8	39
61	The anti-immunity system of phage-plasmid N15: identification of the antirepressor gene and its control by a small processed RNA. <i>Molecular Microbiology</i> , 1999 , 34, 980-94	4.1	39
60	Autogenous regulation of Escherichia coli polynucleotide phosphorylase expression revisited. <i>Journal of Bacteriology</i> , 2009 , 191, 1738-48	3.5	35
59	Mutants of satellite virus P4 that cannot derepress their bacteriophage P2 helper. <i>Journal of Molecular Biology</i> , 1981 , 148, 1-19	6.5	35
58	Polynucleotide phosphorylase exonuclease and polymerase activities on single-stranded DNA ends are modulated by RecN, SsbA and RecA proteins. <i>Nucleic Acids Research</i> , 2011 , 39, 9250-61	20.1	34
57	Polynucleotide phosphorylase hinders mRNA degradation upon ribosomal protein S1 overexpression in Escherichia coli. <i>Rna</i> , 2008 , 14, 2417-29	5.8	34
56	Viral interference at the level of capsid size determination by satellite phage P4. <i>Journal of Molecular Biology</i> , 1978 , 126, 433-45	6.5	33
55	The KH and S1 domains of Escherichia coli polynucleotide phosphorylase are necessary for autoregulation and growth at low temperature. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2007 , 1769, 194-203		32
54	A mutation in polynucleotide phosphorylase from Escherichia coli impairing RNA binding and degradosome stability. <i>Nucleic Acids Research</i> , 2004 , 32, 1006-17	20.1	31
53	Immunity determinant of phage-plasmid P4 is a short processed RNA. <i>Journal of Molecular Biology</i> , 1995 , 249, 869-78	6.5	31
52	Alternative promoters in the development of bacteriophage plasmid P4. <i>Journal of Virology</i> , 1988 , 62, 1697-704	6.6	31

51	Regulation of Escherichia coli polynucleotide phosphorylase by ATP. <i>Journal of Biological Chemistry</i> , 2008 , 283, 27355-27359	5.4	30
50	Scanning the Escherichia coli chromosome by random transposon mutagenesis and multiple phenotypic screening. <i>Research in Microbiology</i> , 2004 , 155, 692-701	4	30
49	Regulation and functions of bacterial PNPase. <i>Wiley Interdisciplinary Reviews RNA</i> , 2016 , 7, 241-58	9.3	28
48	Nonessential region of bacteriophage P4: DNA sequence, transcription, gene products, and functions. <i>Journal of Virology</i> , 1990 , 64, 24-36	6.6	27
47	Tet-Trap, a genetic approach to the identification of bacterial RNA thermometers: application to Pseudomonas aeruginosa. <i>Rna</i> , 2014 , 20, 1963-76	5.8	24
46	The RNA processing enzyme polynucleotide phosphorylase negatively controls biofilm formation by repressing poly-N-acetylglucosamine (PNAG) production in Escherichia coli C. <i>BMC Microbiology</i> , 2012 , 12, 270	4.5	24
45	Bacteriophage P2 and P4. <i>Methods in Enzymology</i> , 1991 , 204, 264-80	1.7	24
44	Circular genetic map of satellite bacteriophage P4. <i>Virology</i> , 1983 , 126, 267-78	3.6	24
43	Dissecting Escherichia coli outer membrane biogenesis using differential proteomics. <i>PLoS ONE</i> , 2014 , 9, e100941	3.7	23
42	Plasmid mode of propagation of the genetic element P4. <i>Journal of Molecular Biology</i> , 1984 , 178, 191-203.5	3.5	23
41	Crystal structure of LptH, the periplasmic component of the lipopolysaccharide transport machinery from Pseudomonas aeruginosa. <i>FEBS Journal</i> , 2015 , 282, 1980-97	5.7	22
40	Photometric assay for polynucleotide phosphorylase. <i>Analytical Biochemistry</i> , 1999 , 269, 353-8	3.1	21
39	Regulation of the plasmid state of the genetic element P4. <i>Molecular Genetics and Genomics</i> , 1986 , 203, 445-50		21
38	The Lack of the Essential LptC Protein in the Trans-Envelope Lipopolysaccharide Transport Machine Is Circumvented by Suppressor Mutations in LptF, an Inner Membrane Component of the Escherichia coli Transporter. <i>PLoS ONE</i> , 2016 , 11, e0161354	3.7	21
37	Isolation of conditional expression mutants in Mycobacterium tuberculosis by transposon mutagenesis. <i>Tuberculosis</i> , 2011 , 91, 569-78	2.6	20
36	Mutation and Suppressor Analysis of the Essential Lipopolysaccharide Transport Protein LptA Reveals Strategies To Overcome Severe Outer Membrane Permeability Defects in Escherichia coli. <i>Journal of Bacteriology</i> , 2018 , 200,	3.5	20
35	Expression of phage P4 integrase is regulated negatively by both Int and Vis. <i>Journal of General Virology</i> , 2006 , 87, 2423-2431	4.9	19
34	Polynucleotide phosphorylase-deficient mutants of Pseudomonas putida. <i>Journal of Bacteriology</i> , 2003 , 185, 5279-86	3.5	18

33	The Sso7d DNA-binding protein from <i>Sulfolobus solfataricus</i> has ribonuclease activity. <i>FEBS Letters</i> , 2001 , 497, 131-6	3.8	18
32	A Rho-dependent transcription termination site regulated by bacteriophage P4 RNA immunity factor. <i>Virology</i> , 1996 , 223, 57-67	3.6	18
31	Bacteriophage P4 Vis protein is needed for prophage excision. <i>Virology</i> , 2004 , 322, 82-92	3.6	17
30	A new gene of bacteriophage P4 that controls DNA replication. <i>Journal of Bacteriology</i> , 1994 , 176, 6059-65	3.5	17
29	RNase E and polyadenyl polymerase I are involved in maturation of CI RNA, the P4 phage immunity factor. <i>Journal of Molecular Biology</i> , 2002 , 318, 321-31	6.5	16
28	Antisense RNA-dependent transcription termination sites that modulate lysogenic development of satellite phage P4. <i>Molecular Microbiology</i> , 2000 , 36, 1124-34	4.1	16
27	Complex transcriptional organization regulates an <i>Escherichia coli</i> locus implicated in lipopolysaccharide biogenesis. <i>Research in Microbiology</i> , 2011 , 162, 470-82	4	15
26	Probing the active site of the sugar isomerase domain from <i>E. coli</i> arabinose-5-phosphate isomerase via X-ray crystallography. <i>Protein Science</i> , 2010 , 19, 2430-9	6.3	15
25	Autogenous regulation of <i>Escherichia coli</i> polynucleotide phosphorylase during cold acclimation by transcription termination and antitermination. <i>Molecular Genetics and Genomics</i> , 2007 , 278, 75-84	3.1	15
24	Identification of a phage-coded DNA-binding protein that regulates transcription from late promoters in bacteriophage P4. <i>Journal of Molecular Biology</i> , 1996 , 257, 745-55	6.5	15
23	Functional Interaction between the Cytoplasmic ABC Protein LptB and the Inner Membrane LptC Protein, Components of the Lipopolysaccharide Transport Machinery in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2016 , 198, 2192-203	3.5	15
22	Organisation of the tmb catabolic operons of <i>Pseudomonas putida</i> TMB and evolutionary relationship with the xyl operons of the TOL plasmid pWW0. <i>Gene</i> , 1996 , 182, 189-93	3.8	13
21	Translation of two nested genes in bacteriophage P4 controls immunity-specific transcription termination. <i>Journal of Bacteriology</i> , 1999 , 181, 5225-33	3.5	13
20	RNase III-Independent Autogenous Regulation of <i>Escherichia coli</i> Polynucleotide Phosphorylase via Translational Repression. <i>Journal of Bacteriology</i> , 2015 , 197, 1931-8	3.5	12
19	Polynucleotide phosphorylase-based photometric assay for inorganic phosphate. <i>Analytical Biochemistry</i> , 2004 , 327, 209-14	3.1	12
18	Multiple regulatory mechanisms controlling phage-plasmid P4 propagation. <i>FEMS Microbiology Reviews</i> , 1995 , 17, 127-34	15.1	12
17	Genetic analysis of chromosomal operons involved in degradation of aromatic hydrocarbons in <i>Pseudomonas putida</i> TMB. <i>Journal of Bacteriology</i> , 1990 , 172, 6355-62	3.5	12
16	Analysis of spontaneous deletion mutants of satellite bacteriophage P4. <i>Journal of Virology</i> , 1985 , 54, 233-5	6.6	11

15	Immunity specificity determinants in the P4-like retrorhage phi R73. <i>Virology</i> , 1996 , 216, 389-96	3.6	10
14	A conserved loop in polynucleotide phosphorylase (PNPase) essential for both RNA and ADP/phosphate binding. <i>Biochimie</i> , 2014 , 97, 49-59	4.6	9
13	Characterization of the oril and orill origins of replication in phage-plasmid P4. <i>Journal of Virology</i> , 1999 , 73, 7308-16	6.6	9
12	Characterization of the small antisense CI RNA that regulates bacteriophage P4 immunity. <i>Journal of Molecular Biology</i> , 2002 , 315, 541-9	6.5	8
11	Cloning and transposon vectors derived from satellite bacteriophage P4 for genetic manipulation of Pseudomonas and other gram-negative bacteria. <i>Plasmid</i> , 1992 , 28, 101-14	3.3	7
10	Polynucleotide phosphorylase is implicated in homologous recombination and DNA repair in Escherichia coli. <i>BMC Microbiology</i> , 2017 , 17, 81	4.5	6
9	Identification of two replicons in phage-plasmid P4. <i>Virology</i> , 1998 , 245, 344-52	3.6	6
8	Cnr interferes with dimerization of the replication protein alpha in phage-plasmid P4. <i>Nucleic Acids Research</i> , 2001 , 29, 536-44	20.1	5
7	Ribonuclease PH interacts with an acidic ribonuclease E site through a basic 80-amino acid domain. <i>FEMS Microbiology Letters</i> , 2014 , 355, 51-60	2.9	3
6	Lipopolysaccharide Export to the Outer Membrane 2011 , 311-337		3
5	DNA replication in phage P4: characterization of replicon II. <i>Plasmid</i> , 2006 , 56, 216-22	3.3	2
4	Bacteriophage P2: recombination in the superinfection preprophage state and under replication control by phage P4. <i>Molecular Genetics and Genomics</i> , 2001 , 266, 406-16	3.1	2
3	P4 PHAGE (SATELLITES) 1999 , 1094-1104		1
2	Bacteriophage P4 sut1: a mutation suppressing transcription termination. <i>Journal of General Virology</i> , 2007 , 88, 1041-1047	4.9	
1	The RNA Processing Enzyme Polynucleotide Phosphorylase Negatively Controls Biofilm Formation by Repressing Poly-N-Acetylglucosamine (PNAG) Production in Escherichia coli C 2014 , 45-68		