Gianni Deh

List of Publications by Year in Descending Order

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	Mutation and Suppressor Analysis of the Essential Lipopolysaccharide Transport Protein LptA Reveals Strategies To Overcome Severe Outer Membrane Permeability Defects in Escherichia coli. *Journal of Bacteriology*, **2018**, 200,	3.5	20
85	Polynucleotide phosphorylase is implicated in homologous recombination and DNA repair in Escherichia coli. *BMC Microbiology*, **2017**, 17, 81	4.5	6
84	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. *PLoS ONE*, **2016**, 11, e0161354	3.7	21
83	Regulation and functions of bacterial PNPase. *Wiley Interdisciplinary Reviews RNA*, **2016**, 7, 241-58	9.3	28
82	Functional Interaction between the Cytoplasmic ABC Protein LptB and the Inner Membrane LptC Protein, Components of the Lipopolysaccharide Transport Machinery in Escherichia coli. *Journal of Bacteriology*, **2016**, 198, 2192-203	3.5	15
81	Crystal structure of LptH, the periplasmic component of the lipopolysaccharide transport machinery from Pseudomonas aeruginosa. *FEBS Journal*, **2015**, 282, 1980-97	5.7	22
80	RNase III-Independent Autogenous Regulation of Escherichia coli Polynucleotide Phosphorylase via Translational Repression. *Journal of Bacteriology*, **2015**, 197, 1931-8	3.5	12
79	A conserved loop in polynucleotide phosphorylase (PNPase) essential for both RNA and ADP/phosphate binding. *Biochimie*, **2014**, 97, 49-59	4.6	9
78	Tet-Trap, a genetic approach to the identification of bacterial RNA thermometers: application to Pseudomonas aeruginosa. *Rna*, **2014**, 20, 1963-76	5.8	24
77	Ribonuclease PH interacts with an acidic ribonuclease E site through a basic 80-amino acid domain. *FEMS Microbiology Letters*, **2014**, 355, 51-60	2.9	3
76	Dissecting Escherichia coli outer membrane biogenesis using differential proteomics. *PLoS ONE*, **2014**, 9, e100941	3.7	23
75	The RNA Processing Enzyme Polynucleotide Phosphorylase Negatively Controls Biofilm Formation by Repressing Poly-N-Acetylglucosamine (PNAG) Production in Escherichia coli C **2014**, 45-68		
74	The Escherichia coli Lpt transenvelope protein complex for lipopolysaccharide export is assembled via conserved structurally homologous domains. *Journal of Bacteriology*, **2013**, 195, 1100-8	3.5	72
73	The RNA processing enzyme polynucleotide phosphorylase negatively controls biofilm formation by repressing poly-N-acetylglucosamine (PNAG) production in Escherichia coli C. *BMC Microbiology*, **2012**, 12, 270	4.5	24
72	Comparative profiling of Pseudomonas aeruginosa strains reveals differential expression of novel unique and conserved small RNAs. *PLoS ONE*, **2012**, 7, e36553	3.7	41
71	Lipopolysaccharide Export to the Outer Membrane **2011**, 311-337		3
70	Complex transcriptional organization regulates an Escherichia coli locus implicated in lipopolysaccharide biogenesis. *Research in Microbiology*, **2011**, 162, 470-82	4	15

69	Isolation of conditional expression mutants in Mycobacterium tuberculosis by transposon mutagenesis. *Tuberculosis*, **2011**, 91, 569-78	2.6	20
68	Polynucleotide phosphorylase exonuclease and polymerase activities on single-stranded DNA ends are modulated by RecN, SsbA and RecA proteins. *Nucleic Acids Research*, **2011**, 39, 9250-61	20.1	34
67	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. *Journal of Bacteriology*, **2011**, 193, 1042-53	3.5	69
66	S1 ribosomal protein and the interplay between translation and mRNA decay. *Nucleic Acids Research*, **2011**, 39, 7702-15	20.1	47
65	Probing the active site of the sugar isomerase domain from E. coli arabinose-5-phosphate isomerase via X-ray crystallography. *Protein Science*, **2010**, 19, 2430-9	6.3	15
64	Autogenous regulation of Escherichia coli polynucleotide phosphorylase expression revisited. *Journal of Bacteriology*, **2009**, 191, 1738-48	3.5	35
63	The lipopolysaccharide transport system of Gram-negative bacteria. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2009**, 1791, 594-602	5	116
62	Novel structure of the conserved gram-negative lipopolysaccharide transport protein A and mutagenesis analysis. *Journal of Molecular Biology*, **2008**, 380, 476-88	6.5	115
61	Polynucleotide phosphorylase hinders mRNA degradation upon ribosomal protein S1 overexpression in Escherichia coli. *Rna*, **2008**, 14, 2417-29	5.8	34
60	Regulation of Escherichia coli polynucleotide phosphorylase by ATP. *Journal of Biological Chemistry*, **2008**, 283, 27355-27359	5.4	30
59	Functional analysis of the protein machinery required for transport of lipopolysaccharide to the outer membrane of Escherichia coli. *Journal of Bacteriology*, **2008**, 190, 4460-9	3.5	181
58	A proteomic approach to the analysis of RNA degradosome composition in Escherichia coli. *Methods in Enzymology*, **2008**, 447, 99-117	1.7	48
57	The KH and S1 domains of Escherichia coli polynucleotide phosphorylase are necessary for autoregulation and growth at low temperature. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2007**, 1769, 194-203		32
56	Autogenous regulation of Escherichia coli polynucleotide phosphorylase during cold acclimation by transcription termination and antitermination. *Molecular Genetics and Genomics*, **2007**, 278, 75-84	3.1	15
55	Characterization of lptA and lptB, two essential genes implicated in lipopolysaccharide transport to the outer membrane of Escherichia coli. *Journal of Bacteriology*, **2007**, 189, 244-53	3.5	177
54	Bacteriophage P4 sut1: a mutation suppressing transcription termination. *Journal of General Virology*, **2007**, 88, 1041-1047	4.9	
53	Genetic analysis of polynucleotide phosphorylase structure and functions. *Biochimie*, **2007**, 89, 145-57	4.6	44
52	First evidences for a third sulfatase maturation system in prokaryotes from E. coli aslB and ydeM deletion mutants. *FEBS Letters*, **2007**, 581, 1009-14	3.8	39

51	DNA replication in phage P4: characterization of replicon II. *Plasmid*, **2006**, 56, 216-22	3.3	2
50	Expression of phage P4 integrase is regulated negatively by both Int and Vis. *Journal of General Virology*, **2006**, 87, 2423-2431	4.9	19
49	Analysis of the Escherichia coli RNA degradosome composition by a proteomic approach. *Biochimie*, **2006**, 88, 151-61	4.6	69
48	Non-essential KDO biosynthesis and new essential cell envelope biogenesis genes in the Escherichia coli yrbG-yhbG locus. *Research in Microbiology*, **2006**, 157, 547-58	4	73
47	A mutation in polynucleotide phosphorylase from Escherichia coli impairing RNA binding and degradosome stability. *Nucleic Acids Research*, **2004**, 32, 1006-17	20.1	31
46	Bacteriophage P4 Vis protein is needed for prophage excision. *Virology*, **2004**, 322, 82-92	3.6	17
45	Polynucleotide phosphorylase-based photometric assay for inorganic phosphate. *Analytical Biochemistry*, **2004**, 327, 209-14	3.1	12
44	Scanning the Escherichia coli chromosome by random transposon mutagenesis and multiple phenotypic screening. *Research in Microbiology*, **2004**, 155, 692-701	4	30
43	Polynucleotide phosphorylase-deficient mutants of Pseudomonas putida. *Journal of Bacteriology*, **2003**, 185, 5279-86	3.5	18
42	Changes in Escherichia coli transcriptome during acclimatization at low temperature. *Research in Microbiology*, **2003**, 154, 573-80	4	88
41	Hfq affects the length and the frequency of short oligo(A) tails at the 3′end of Escherichia coli rpsO mRNAs. *Nucleic Acids Research*, **2003**, 31, 4017-23	20.1	62
40	Characterization of the small antisense CI RNA that regulates bacteriophage P4 immunity. *Journal of Molecular Biology*, **2002**, 315, 541-9	6.5	8
39	RNase E and polyadenyl polymerase I are involved in maturation of CI RNA, the P4 phage immunity factor. *Journal of Molecular Biology*, **2002**, 318, 321-31	6.5	16
38	Bacteriophage P2: recombination in the superinfection preprophage state and under replication control by phage P4. *Molecular Genetics and Genomics*, **2001**, 266, 406-16	3.1	2
37	The plasmid status of satellite bacteriophage P4. *Plasmid*, **2001**, 45, 1-17	3.3	66
36	Cnr interferes with dimerization of the replication protein alpha in phage-plasmid P4. *Nucleic Acids Research*, **2001**, 29, 536-44	20.1	5
35	The Sso7d DNA-binding protein from Sulfolobus solfataricus has ribonuclease activity. *FEBS Letters*, **2001**, 497, 131-6	3.8	18
34	Transcriptional and post-transcriptional control of polynucleotide phosphorylase during cold acclimation in Escherichia coli. *Molecular Microbiology*, **2000**, 36, 1470-80	4.1	74

33	Antisense RNA-dependent transcription termination sites that modulate lysogenic development of satellite phage P4. *Molecular Microbiology*, **2000**, 36, 1124-34	4.1	16
32	The anti-immunity system of phage-plasmid N15: identification of the antirepressor gene and its control by a small processed RNA. *Molecular Microbiology*, **1999**, 34, 980-94	4.1	39
31	Photometric assay for polynucleotide phosphorylase. *Analytical Biochemistry*, **1999**, 269, 353-8	3.1	21
30	P4 PHAGE (SATELLITES) **1999**, 1094-1104		1
29	Translation of two nested genes in bacteriophage P4 controls immunity-specific transcription termination. *Journal of Bacteriology*, **1999**, 181, 5225-33	3.5	13
28	Characterization of the oriI and oriII origins of replication in phage-plasmid P4. *Journal of Virology*, **1999**, 73, 7308-16	6.6	9
27	Identification of two replicons in phage-plasmid P4. *Virology*, **1998**, 245, 344-52	3.6	6
26	Identification of a phage-coded DNA-binding protein that regulates transcription from late promoters in bacteriophage P4. *Journal of Molecular Biology*, **1996**, 257, 745-55	6.5	15
25	Organisation of the tmb catabolic operons of Pseudomonas putida TMB and evolutionary relationship with the xyl operons of the TOL plasmid pWW0. *Gene*, **1996**, 182, 189-93	3.8	13
24	Polynucleotide phosphorylase of Escherichia coli is required for the establishment of bacteriophage P4 immunity. *Journal of Bacteriology*, **1996**, 178, 5513-21	3.5	40
23	Immunity specificity determinants in the P4-like retronphage phi R73. *Virology*, **1996**, 216, 389-96	3.6	10
22	A Rho-dependent transcription termination site regulated by bacteriophage P4 RNA immunity factor. *Virology*, **1996**, 223, 57-67	3.6	18
21	Multiple regulatory mechanisms controlling phage-plasmid P4 propagation. *FEMS Microbiology Reviews*, **1995**, 17, 127-34	15.1	12
20	Immunity determinant of phage-plasmid P4 is a short processed RNA. *Journal of Molecular Biology*, **1995**, 249, 869-78	6.5	31
19	Control of transcription termination by an RNA factor in bacteriophage P4 immunity: identification of the target sites. *Journal of Bacteriology*, **1995**, 177, 1425-34	3.5	43
18	A new gene of bacteriophage P4 that controls DNA replication. *Journal of Bacteriology*, **1994**, 176, 6059-65	3.5	17
17	Mechanisms of genome propagation and helper exploitation by satellite phage P4. *Microbiological Reviews*, **1993**, 57, 683-702		132
16	Cloning and transposon vectors derived from satellite bacteriophage P4 for genetic manipulation of Pseudomonas and other gram-negative bacteria. *Plasmid*, **1992**, 28, 101-14	3.3	7

15	Bacteriophage P4 immunity controlled by small RNAs via transcription termination. *Molecular Microbiology*, **1992**, 6, 3415-25	4.1	56
14	Genetic analysis of the immunity region of phage-plasmid P4. *Molecular Microbiology*, **1992**, 6, 3405-13	4.1	51
13	Bacteriophage P2 and P4. *Methods in Enzymology*, **1991**, 204, 264-80	1.7	24
12	Genetic analysis of chromosomal operons involved in degradation of aromatic hydrocarbons in Pseudomonas putida TMB. *Journal of Bacteriology*, **1990**, 172, 6355-62	3.5	12
11	DNA sequence of satellite bacteriophage P4. *Nucleic Acids Research*, **1990**, 18, 1649	20.1	56
10	Nonessential region of bacteriophage P4: DNA sequence, transcription, gene products, and functions. *Journal of Virology*, **1990**, 64, 24-36	6.6	27
9	Alternative promoters in the development of bacteriophage plasmid P4. *Journal of Virology*, **1988**, 62, 1697-704	6.6	31
8	Regulation of the plasmid state of the genetic element P4. *Molecular Genetics and Genomics*, **1986**, 203, 445-50		21
7	Analysis of spontaneous deletion mutants of satellite bacteriophage P4. *Journal of Virology*, **1985**, 54, 233-5	6.6	11
6	Plasmid mode of propagation of the genetic element P4. *Journal of Molecular Biology*, **1984**, 178, 191-207	3.5	23
5	Circular genetic map of satellite bacteriophage P4. *Virology*, **1983**, 126, 267-78	3.6	24
4	Mutants of satellite virus P4 that cannot derepress their bacteriophage P2 helper. *Journal of Molecular Biology*, **1981**, 148, 1-19	6.5	35
3	Lysogenization by satellite phage P4. *Virology*, **1981**, 113, 20-38	3.6	53
2	Viral interference at the level of capsid size determination by satellite phage P4. *Journal of Molecular Biology*, **1978**, 126, 433-45	6.5	33
1	Determination of capsid size by satellite bacteriophage P4. *Proceedings of the National Academy of Sciences of the United States of America*, **1978**, 75, 400-4	11.5	83