# Charles J Dorman

List of Publications by Year
in descending order

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|---|---|---|---|
| 140 papers | 10,118 citations | 34016 52 h-index | 38300 95 g-index |
| 236 all docs | 236 docs citations | 236 times ranked | 5806 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reciprocally rewiring and repositioning the Integration Host Factor (IHF) subunit genes in Salmonella enterica serovar Typhimurium: impacts on physiology and virulence. Microbial Genomics, 2022, 8, . | 1.0 | 3 |
| 2 | Nucleus \| Organization of the Bacterial Nucleoid. , 2021, , 409-414. | | 0 |
| 3 | Consequences of producing DNA gyrase from a synthetic gyrBA operon in Salmonella enterica serovar Typhimurium. Molecular Microbiology, 2021, 115, 1410-1429. | 1.2 | 7 |
| 4 | CRISPR-Cas, DNA Supercoiling, and Nucleoid-Associated Proteins. Trends in Microbiology, 2020, 28, 19-27. | 3.5 | 26 |
| 5 | Network Rewiring: Physiological Consequences of Reciprocally Exchanging the Physical Locations and Growth-Phase-Dependent Expression Patterns of the Salmonella fis and dps Genes. MBio, 2020, 11, . | 1.8 | 11 |
| 6 | Editorial overview: Bacterial regulatory hierarchies and networks. Current Opinion in Microbiology, 2020, 55, iii-v. | 2.3 | 0 |
| 7 | When is a transcription factor a NAP?. Current Opinion in Microbiology, 2020, 55, 26-33. | 2.3 | 48 |
| 8 | Human Health and Ocean Pollution. Annals of Global Health, 2020, 86, 151. | 0.8 | 240 |
| 9 | Factors governing orthologous RpoD and H-NS evolution in Salmonella enterica Serovar Typhimurium and Escherichia coli. Access Microbiology, 2020, 2, . | 0.2 | 0 |
| 10 | DNA supercoiling and transcription in bacteria: a two-way street. BMC Molecular and Cell Biology, 2019, 20, 26. | 1.0 | 86 |
| 11 | Negative supercoiling of DNA by gyrase is inhibited in Salmonella enterica serovar Typhimurium during adaptation to acid stress. Molecular Microbiology, 2018, 107, 734-746. | 1.2 | 18 |
| 12 | The Evolution of Gene Regulatory Mechanisms in Bacteria. Grand Challenges in Biology and Biotechnology, 2018, , 125-152. | 2.4 | 4 |
| 13 | Regulatory Hierarchies Controlling Virulence Gene Expression in Shigella flexneri and Vibrio cholerae. Frontiers in Microbiology, 2018, 9, 2686. | 1.5 | 31 |
| 14 | Control of virulence gene transcription by indirect readout in Vibrio cholerae and Salmonella enterica serovar Typhimurium. Environmental Microbiology, 2017, 19, 3834-3845. | 1.8 | 26 |
| 15 | Broad-scale redistribution of mRNA abundance and transcriptional machinery in response to growth rate in Salmonella enterica serovar Typhimurium. Microbial Genomics, 2017, 3, e000127. | 1.0 | 6 |
| 16 | Re-engineering cellular physiology by rewiring high-level global regulatory genes. Scientific Reports, 2016, 5, 17653. | 1.6 | 22 |
| 17 | DNA supercoiling is a fundamental regulatory principle in the control of bacterial gene expression. Biophysical Reviews, 2016, 8, 89-100. | 1.5 | 89 |
| 18 | The Interplay between DNA Topology and Accessory Factors in Site-Specific Recombination in Bacteria and their Bacteriophages. Science Progress, 2016, 99, 420-437. | 1.0 | 11 |

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|---|---|---|---|
| 19 | DNA supercoiling is a fundamental regulatory principle in the control of bacterial gene expression. Biophysical Reviews, 2016, 8, 209-220. | 1.5 | 73 |
| 20 | Bacterial pathogen gene regulation: a DNA-structure-centred view of a protein-dominated domain. Clinical Science, 2016, 130, 1165-1177. | 1.8 | 11 |
| 21 | Integrating small molecule signalling and <scp>H</scp>â€<scp>NS</scp> antagonism in <scp>V</scp>ibrio cholerae, a bacterium with two chromosomes. Molecular Microbiology, 2015, 97, 612-615. | 1.2 | 7 |
| 22 | Coordination of Bacterial Virulence Gene Expression. , 2015, , 315-335. | | 0 |
| 23 | AgnÃ¨s Fouet â€“ departing Editor-in-Chief. Microbiology (United Kingdom), 2015, 161, 1149-1149. | 0.7 | 0 |
| 24 | Function of Nucleoid-Associated Proteins in Chromosome Structuring and Transcriptional Regulation. Journal of Molecular Microbiology and Biotechnology, 2014, 24, 316-331. | 1.0 | 47 |
| 25 | Bacterial Regulon Evolution: Distinct Responses and Roles for the Identical OmpR Proteins of Salmonella Typhimurium and Escherichia coli in the Acid Stress Response. PLoS Genetics, 2014, 10, e1004215. | 1.5 | 90 |
| 26 | A novel role for antibiotic resistance plasmids in facilitating <scp>S</scp>almonella adaptation to nonâ€host environments. Environmental Microbiology, 2014, 16, 950-962. | 1.8 | 26 |
| 27 | H-NS-like nucleoid-associated proteins, mobile genetic elements and horizontal gene transfer in bacteria. Plasmid, 2014, 75, 1-11. | 0.4 | 78 |
| 28 | Co-operative roles for DNA supercoiling and nucleoid-associated proteins in the regulation of bacterial transcription. Biochemical Society Transactions, 2013, 41, 542-547. | 1.6 | 49 |
| 29 | Genome architecture and global gene regulation in bacteria: making progress towards a unified model?. Nature Reviews Microbiology, 2013, 11, 349-355. | 13.6 | 172 |
| 30 | Transmission of an Oxygen Availability Signal at the Salmonella enterica Serovar Typhimurium fis Promoter. PLoS ONE, 2013, 8, e84382. | 1.1 | 19 |
| 31 | A Fundamental Regulatory Mechanism Operating through OmpR and DNA Topology Controls Expression of Salmonella Pathogenicity Islands SPI-1 and SPI-2. PLoS Genetics, 2012, 8, e1002615. | 1.5 | 119 |
| 32 | VirB-Mediated Positive Feedback Control of the Virulence Gene Regulatory Cascade of Shigella flexneri. Journal of Bacteriology, 2012, 194, 5264-5273. | 1.0 | 27 |
| 33 | The transcriptional landscape and small RNAs of Salmonella enterica serovar Typhimurium. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1277-86. | 3.3 | 373 |
| 34 | LeuO is a global regulator of gene expression in Salmonella enterica serovar Typhimurium. Molecular Microbiology, 2012, 85, 1072-1089. | 1.2 | 68 |
| 35 | DNA supercoiling is differentially regulated by environmental factors and FIS in Escherichia coli and Salmonella enterica. Molecular Microbiology, 2011, 80, 85-101. | 1.2 | 86 |
| 36 | Regulation of transcription by DNA supercoiling in Mycoplasma genitalium: global control in the smallest known selfâ€replicating genome. Molecular Microbiology, 2011, 81, 302-304. | 1.2 | 25 |

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|---|---|---|---|
| 37 | Rational Design of an Artificial Genetic Switch: Co-Option of the H-NS-Repressed proU Operon by the VirB Virulence Master Regulator. Journal of Bacteriology, 2011, 193, 5950-5960. | 1.0 | 28 |
| 38 | Nucleoid-associated protein HU controls three regulons that coordinate virulence, response to stress and general physiology in Salmonella enterica serovar Typhimurium. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 | | 64 |
| 39 | Horizontally acquired homologues of the nucleoidâ€associated protein Hâ€NS: implications for gene regulation. Molecular Microbiology, 2010, 75, 264-267. | 1.2 | 19 |
| 40 | Genomeâ€wide analysis of the Hâ€NS and Sfh regulatory networks in Salmonella Typhimurium identifies a plasmidâ€encoded transcription silencing mechanism. Molecular Microbiology, 2010, 76, 1250-1265. | 1.2 | 84 |
| 41 | Bacterial nucleoid-associated proteins, nucleoid structure and gene expression. Nature Reviews Microbiology, 2010, 8, 185-195. | 13.6 | 755 |
| 42 | The Effect of Mobile Element IS10 on Experimental Regulatory Evolution in Escherichia coli. Molecular Biology and Evolution, 2010, 27, 2105-2112. | 3.5 | 40 |
| 43 | Bacterial Chromatin. , 2010, , . | | 7 |
| 44 | H-NS Silences gfp , the Green Fluorescent Protein Gene: gfp <sup>TCD</sup> Is a Genetically Remastered gfp Gene with Reduced Susceptibility to H-NS-Mediated Transcription Silencing and with Enhanced Translation. Journal of Bacteriology, 2010, 192, 4790-4793. | 1.0 | 20 |
| 45 | Bacterial Chromatin and Gene Regulation. , 2010, , 245-250. | | 1 |
| 46 | Compensatory Evolution of Gene Regulation in Response to Stress by Escherichia coli Lacking RpoS. PLoS Genetics, 2009, 5, e1000671. | 1.5 | 84 |
| 47 | DNA relaxationâ€dependent phase biasing of the fim genetic switch in Escherichia coli depends on the interplay of Hâ€NS, IHF and LRP. Molecular Microbiology, 2009, 74, 1071-1082. | 1.2 | 62 |
| 48 | DNA bridging and antibridging: a role for bacterial nucleoid-associated proteins in regulating the expression of laterally acquired genes. FEMS Microbiology Reviews, 2009, 33, 587-592. | 3.9 | 63 |
| 49 | Global regulators and environmental adaptation in Gram-negative pathogens. Clinical Microbiology and Infection, 2009, 15, 47-50. | 2.8 | 14 |
| 50 | Small molecule signaling. Current Opinion in Microbiology, 2009, 12, 125-128. | 2.3 | 10 |
| 51 | Bacterial DNA topology and infectious disease. Nucleic Acids Research, 2009, 37, 672-678. | 6.5 | 67 |
| 52 | Chapter 2 Nucleoid-Associated Proteins and Bacterial Physiology. Advances in Applied Microbiology, 2009, 67, 47-64. | 1.3 | 104 |
| 53 | The Virulence Plasmids of Shigella flexneri. Microbiology Monographs, 2009, , 151-170. | 0.3 | 5 |
| 54 | H-NS and genomic bridge building: lessons from the human pathogen Salmonella Typhi. Microbiology (United Kingdom), 2009, 155, 2114-2115. | 0.7 | 2 |

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|---|---|---|---|
| 55 | Regulatory integration of horizontally-transferred genes in bacteria. Frontiers in Bioscience, 2009, 14, 4103-12. | 0.8 | 16 |
| 56 | DNA sequence heterogeneity in Fim tyrosineâ€integrase recombinaseâ€binding elements and functional motif asymmetries determine the directionality of the fim genetic switch in Escherichia coli Kâ€12. Molecular Microbiology, 2008, 67, 171-187. | 1.2 | 33 |
| 57 | Regulation of Transcription in Bacteria by DNA Supercoiling. , 2008, , 155-178. | | 4 |
| 58 | The Leucine-Responsive Regulatory Protein, Lrp, Activates Transcription of the fim Operon in Salmonella enterica Serovar Typhimurium via the fimZ Regulatory Gene. Journal of Bacteriology, 2008, 190, 602-612. | 1.0 | 49 |
| 59 | Autoregulated expression of the gene coding for the leucine-responsive protein, Lrp, a global regulator in Salmonella enterica serovar Typhimurium. Microbiology (United Kingdom), 2008, 154, 2008-2016. | 0.7 | 13 |
| 60 | Anti-silencing: overcoming H-NS-mediated repression of transcription in Gram-negative enteric bacteria. Microbiology (United Kingdom), 2008, 154, 2533-2545. | 0.7 | 232 |
| 61 | H-NS Antagonism in Shigella flexneri by VirB, a Virulence Gene Transcription Regulator That Is Closely Related to Plasmid Partition Factors. Journal of Bacteriology, 2007, 189, 3403-3413. | 1.0 | 67 |
| 62 | An H-NS-like Stealth Protein Aids Horizontal DNA Transmission in Bacteria. Science, 2007, 315, 251-252. | 6.0 | 204 |
| 63 | Probing bacterial nucleoid structure with optical tweezers. BioEssays, 2007, 29, 212-216. | 1.2 | 12 |
| 64 | H-NS, the genome sentinel. Nature Reviews Microbiology, 2007, 5, 157-161. | 13.6 | 314 |
| 65 | Whither microbial sciences?. Nature Reviews Microbiology, 2007, 5, 828-828. | 13.6 | 0 |
| 66 | Expression of the Fis protein is sustained in lateâ€exponentialâ€and stationaryâ€phase cultures of Salmonella enterica serovar Typhimurium grown in the absence of aeration. Molecular Microbiology, 2007, 66, 237-251. | 1.2 | 40 |
| 67 | Virulence gene deletion frequency is increased in Shigella flexneri following conjugation, transduction, and transformation. FEMS Microbiology Letters, 2006, 147, 163-172. | 0.7 | 10 |
| 68 | The integration host factor (IHF) integrates stationary-phase and virulence gene expression in Salmonella enterica serovar Typhimurium. Molecular Microbiology, 2006, 59, 1831-1847. | 1.2 | 159 |
| 69 | Roles for DNA supercoiling and the Fis protein in modulating expression of virulence genes during intracellular growth ofSalmonella entericaserovar Typhimurium. Molecular Microbiology, 2006, 62, 869-882. | 1.2 | 84 |
| 70 | Dna Supercoiling and Bacterial Gene Expression. Science Progress, 2006, 89, 151-166. | 1.0 | 67 |
| 71 | Reciprocal Transcriptional and Posttranscriptional Growth-Phase-Dependent Expression of sfh , a Gene That Encodes a Paralogue of the Nucleoid-Associated Protein H-NS. Journal of Bacteriology, 2006, 188, 7581-7591. | 1.0 | 16 |
| 72 | DNA Supercoiling and the Lrp Protein Determine the Directionality of fim Switch DNA Inversion in Escherichia coli K-12. Journal of Bacteriology, 2006, 188, 5356-5363. | 1.0 | 47 |

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|---|---|---|---|
| 73 | Characterization of the Detachable Rho-Dependent Transcription Terminator of the fimE Gene in Escherichia coli K-12. Journal of Bacteriology, 2005, 187, 8256-8266. | 1.0 | 23 |
| 74 | Hierarchical gene regulators adapt to its host milieus. International Journal of Medical Microbiology, 2005, 294, 487-502. | 1.5 | 56 |
| 75 | A global role for Fis in the transcriptional control of metabolism and type III secretion in Salmonella enterica serovar Typhimurium. Microbiology (United Kingdom), 2004, 150, 2037-2053. | 0.7 | 175 |
| 76 | H-NS: a universal regulator for a dynamic genome. Nature Reviews Microbiology, 2004, 2, 391-400. | 13.6 | 485 |
| 77 | Virulence Gene Regulation in Shigella. EcoSal Plus, 2004, 1, . | 2.1 | 11 |
| 78 | Nucleoid Organization of Bacterial Chromosomes. , 2004, , 115-118. | | 0 |
| 79 | The gyr genes of Salmonella enterica serovar Typhimurium are repressed by the factor for inversion stimulation, Fis. Molecular Genetics and Genomics, 2003, 270, 56-65. | 1.0 | 47 |
| 80 | Shigella flexneri 2a strain 2457T expresses three members of the H-NS-like protein family: characterization of the Sfh protein. Molecular Genetics and Genomics, 2003, 270, 66-77. | 1.0 | 65 |
| 81 | Thinking and decision making, bacterial style: Bacterial Neural Networks, Obernai, France, 7th-12th June 2002. Molecular Microbiology, 2003, 47, 583-593. | 1.2 | 17 |
| 82 | An extended role for the nucleoid structuring protein H-NS in the virulence gene regulatory cascade of Shigella flexneri. Molecular Microbiology, 2003, 47, 825-838. | 1.2 | 95 |
| 83 | Three-way interactions among the Sfh, StpA and H-NS nucleoid-structuring proteins of Shigella flexneri 2a strain 2457T. Molecular Microbiology, 2003, 48, 1401-1416. | 1.2 | 72 |
| 84 | In vitro DNA-binding properties of VirB, theShigella flexnerivirulence regulatory protein. FEBS Letters, 2003, 545, 183-187. | 1.3 | 27 |
| 85 | Regulation of gene expression by histone-like proteins in bacteria. Current Opinion in Genetics and Development, 2003, 13, 179-184. | 1.5 | 216 |
| 86 | Molecular Dissection of VirB, a Key Regulator of the Virulence Cascade of Shigella flexneri. Journal of Biological Chemistry, 2002, 277, 15333-15344. | 1.6 | 57 |
| 87 | In Vivo DNA-Binding and Oligomerization Properties of the Shigella flexneri AraC-Like Transcriptional Regulator VirF as Identified by Random and Site-Specific Mutagenesis. Journal of Bacteriology, 2002, 184, 531-539. | 1.0 | 41 |
| 88 | Competitive interaction of the OxyR DNA-binding protein and the Dam methylase at the antigen 43 gene regulatory region in Escherichia coli. Molecular Microbiology, 2002, 44, 509-520. | 1.2 | 84 |
| 89 | A Rho-dependent phase-variable transcription terminator controls expression of the FimE recombinase in Escherichia coli. Molecular Microbiology, 2002, 45, 1107-1117. | 1.2 | 28 |
| 90 | Regulation of Virulence Gene Expression in Bacterial Pathogens. , 2001, , 75-132. | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Regulation of virulence gene expression in Shigella flexneri, a facultative intracellular pathogen. International Journal of Medical Microbiology, 2001, 291, 89-96. | 1.5 | 72 |
| 92 | Requirement for the molecular adapter function of StpA at the Escherichia coli bgl promoter depends upon the level of truncated H-NS protein. Molecular Microbiology, 2001, 42, 903-917. | 1.2 | 44 |
| 93 | DNA TOPOLOGY AND ADAPTATION OF SALMONELLA TYPHIMURIUM TO AN INTRACELLULAR ENVIRONMENT. , 2001, , . | | 2 |
| 94 | Effects of local transcription and H-NS on inversion of the fim switch of Escherichia coli. Molecular Microbiology, 2000, 36, 457-466. | 1.2 | 46 |
| 95 | A role for the Escherichia coli H-NS-like protein StpA in OmpF porin expression through modulation of micF RNA stability. Molecular Microbiology, 2000, 38, 126-139. | 1.2 | 68 |
| 96 | The Virulence Plasmid of Salmonella typhimurium Contains an Autoregulated Gene, rlgA, That Codes for a Resolvase-like DNA Binding Protein. Plasmid, 2000, 44, 24-33. | 0.4 | 5 |
| 97 | Interaction of the FimB Integrase with thefimS Invertible DNA Element in Escherichia coliIn Vivo and In Vitro. Journal of Bacteriology, 2000, 182, 2953-2959. | 1.0 | 22 |
| 98 | Use of the stationary phase inducible promoters, spv and dps, to drive heterologous antigen expression in Salmonella vaccine strains. Vaccine, 2000, 18, 1298-1306. | 1.7 | 22 |
| 99 | DNA topology and adaptation of salmonella typhimurium to an intracellular environment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 565-574. | 1.8 | 28 |
| 100 | A role for the leucine-responsive regulatory protein and integration host factor in the regulation of the Salmonella plasmid virulence (spv ) locus in Salmonella typhimurium. Molecular Microbiology, 1999, 34, 134-145. | 1.2 | 46 |
| 101 | Functional analysis of the FimE integrase of Escherichia coli K-12: isolation of mutant derivatives with altered DNA inversion preferences. Molecular Microbiology, 1999, 34, 965-979. | 1.2 | 40 |
| 102 | Environmentally constrained mutation and adaptive evolution in Salmonella. Current Biology, 1999, 9, 1477-1481. | 1.8 | 20 |
| 103 | Domain organization and oligomerization among H-NS-like nucleoid-associated proteins in bacteria. Trends in Microbiology, 1999, 7, 124-128. | 3.5 | 137 |
| 104 | Two highly related regulatory proteins,Shigella flexneriVirF and enterotoxigenicEscherichia coliRns, have common and distinct regulatory properties. FEMS Microbiology Letters, 1998, 162, 303-309. | 0.7 | 23 |
| 105 | TheShigellavirulence gene regulatory cascade: a paradigm of bacterial gene control mechanisms. Molecular Microbiology, 1998, 29, 677-684. | 1.2 | 143 |
| 106 | In vivoanalysis of the interactions of the LysR-like regulator SpvR with the operator sequences of thespvAandspvRvirulence genes ofSalmonella typhimurium. Molecular Microbiology, 1998, 30, 91-105. | 1.2 | 49 |
| 107 | 7.1 Introduction. Methods in Microbiology, 1998, 27, 345-347. | 0.4 | 0 |
| 108 | The StpA Protein Functions as a Molecular Adapter To Mediate Repression of the bgl Operon by Truncated H-NS in Escherichia coli. Journal of Bacteriology, 1998, 180, 994-997. | 1.0 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Control of Escherichia coliâ€Štype 1 fimbrial gene expression in stationary phase: a negative role for RpoS. Molecular Genetics and Genomics, 1997, 254, 13-20. | 2.4 | 52 |
| 110 | Differential regulation of the plasmid-encoded genes in the Shigella flexneri virulence regulon. Molecular Genetics and Genomics, 1997, 256, 93-103. | 2.4 | 60 |
| 111 | Multicopy fimB gene expression in Escherichia coli: binding to inverted repeats in vivo, effect on fimA gene transcription and DNA inversion. Molecular Microbiology, 1996, 21, 1161-1173. | 1.2 | 28 |
| 112 | Coupling of Escherichia coli hns mRNA levels to DNA synthesis by autoregulation: implications for growth phase control. Molecular Microbiology, 1995, 18, 101-113. | 1.2 | 68 |
| 113 | Overexpression of the Shigella flexneri genes coding for DNA topoisomerase IV compensates for loss of DNA topoisomerase I: effect on virulence gene expression. Molecular Microbiology, 1995, 15, 507-517. | 1.2 | 47 |
| 114 | DNA topology and the global control of bacterial gene expression: implications for the regulation of virulence gene expression. Microbiology (United Kingdom), 1995, 141, 1271-1280. | 0.7 | 67 |
| 115 | Transcription of theSalmonella typhimurium spvvirulence locus is regulated negatively by the nucleoid-associated protein H-NS. FEMS Microbiology Letters, 1994, 121, 99-105. | 0.7 | 42 |
| 116 | Role of hns in the virulence phenotype of pathogenic salmonellae. Molecular Microbiology, 1994, 13, 133-140. | 1.2 | 56 |
| 117 | Escherichia coli tyrT gene transcription is sensitive to DNA supercoiling in its native chromosomal context: effect of DNA topoisomerase IV overexpression on tyrT promoter function. Molecular Microbiology, 1994, 14, 151-161. | 1.2 | 50 |
| 118 | The site-specific recombination system regulating expression of the Type 1 fimbrial subunit gene of Escherichia coli is sensitive to changes in DNA supercoiling. Molecular Microbiology, 1994, 14, 975-988. | 1.2 | 54 |
| 119 | Isolation and characterization of a topA mutant of Shigella flexneri. Molecular Microbiology, 1993, 7, 351-358. | 1.2 | 52 |
| 120 | DNA topology and bacterial virulence gene regulation. Trends in Microbiology, 1993, 1, 92-99. | 3.5 | 40 |
| 121 | Coordination of Gene Expression in Pathogenic Salmonella typhimurium. , 1993, , 51-62. | | 0 |
| 122 | Osmotic and growth-phase dependent regulation of the eta gene of Staphylococcus aureus: a role for DNA supercoiling. Molecular Genetics and Genomics, 1992, 232, 49-57. | 2.4 | 67 |
| 123 | Thermal regulation offimA, theEscherichia coligene coding for the type 1 fimbrial subunit protein. FEMS Microbiology Letters, 1992, 99, 125-130. | 0.7 | 34 |
| 124 | The DNA supercoilingâ€sensitive expression of the Salmonella typhimurium his operon requires the his attenuator and is modulated by anaerobiosis and by osmolarity. Molecular Microbiology, 1992, 6, 2467-2476. | 1.2 | 33 |
| 125 | Thermal regulation of fimA, the Escherichia coli gene coding for the type 1 fimbrial subunit protein. FEMS Microbiology Letters, 1992, 78, 125-30. | 0.7 | 17 |
| 126 | DNA supercoiling and environmental regulation of gene expression in pathogenic bacteria. Infection and Immunity, 1991, 59, 745-749. | 1.0 | 148 |

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|---|---|---|---|
| 127 | DNA supercoiling and environmental regulation of virulence gene expression in Shigella flexneri. Nature, 1990, 344, 789-792. | 13.7 | 249 |
| 128 | Chromosome rearrangements induced by recombinant coliphage Î»pplacMu. Gene, 1990, 94, 15-22. | 1.0 | 2 |
| 129 | Structure and function of X-Pro dipeptide repeats in the TonB proteins of Salmonella typhimurium and Escherichia coli. Journal of Molecular Biology, 1990, 216, 883-895. | 2.0 | 104 |
| 130 | TonB protein of Salmonella typhimurium. Journal of Molecular Biology, 1990, 216, 897-910. | 2.0 | 133 |
| 131 | An overlap between osmotic and anaerobic stress responses: a potential role for DNA supercoiling in the coordinate regulation of gene expression. Molecular Microbiology, 1989, 3, 933-942. | 1.2 | 159 |
| 132 | Characterization of porin and ompR mutants of a virulent strain of Salmonella typhimurium: ompR mutants are attenuated in vivo. Infection and Immunity, 1989, 57, 2136-2140. | 1.0 | 249 |
| 133 | A physiological role for DNA supercoiling in the osmotic regulation of gene expression in S. typhimurium and E. coli. Cell, 1988, 52, 569-584. | 13.5 | 736 |
| 134 | A novel genetic locus determines in vivo B-Z DNA structural transitions in Escherichia coli. Trends in Biochemical Sciences, 1988, 13, 130. | 3.7 | 2 |
| 135 | DNA supercoiling and the anaerobic and growth phase regulation of tonB gene expression. Journal of Bacteriology, 1988, 170, 2816-2826. | 1.0 | 259 |
| 136 | Fimbrial phase variation in Escherichia coli: dependence on integration host factor and homologies with other site-specific recombinases. Journal of Bacteriology, 1987, 169, 3840-3843. | 1.0 | 179 |
| 137 | Sequence-imposed structural constraints in the TonB protein ofE. coli. FEBS Letters, 1986, 208, 211-216. | 1.3 | 92 |
| 138 | Nucleotide sequence of the R26 chloramphenicol resistance determinant and identification of its gene product. Gene, 1986, 41, 349-353. | 1.0 | 17 |
| 139 | Transcription of the Salmonella typhimurium spv virulence locus is regulated negatively by the nucleoid-associated protein H-NS. , 0, . | | 5 |
| 140 | Two highly related regulatory proteins, Shigella flexneri VirF and enterotoxigenic Escherichia coli Rns, have common and distinct regulatory properties. , 0, . | | 1 |