William W Navarre

List of Publications by Year
in descending order

57 papers	6,393 citations	109321 35 h-index	175258 52 g-index
62 all docs	62 docs citations	62 times ranked	6644 citing authors

#	Article	IF	Citations
1	Surface Proteins of Gram-Positive Bacteria and Mechanisms of Their Targeting to the Cell Wall Envelope. Microbiology and Molecular Biology Reviews, 1999, 63, 174-229.	6.6	1,170
2	Selective Silencing of Foreign DNA with Low GC Content by the H-NS Protein in Salmonella. Science, 2006, 313, 236-238.	12.6	672
3	Gut Microbial Metabolism Drives Transformation of Msh2-Deficient Colon Epithelial Cells. Cell, 2014, 158, 288-299.	28.9	375
4	Proteolytic cleavage and cell wall anchoring at the LPXTG motif of surface proteins in Gram-positive bacteria. Molecular Microbiology, 1994, 14, 115-121.	2.5	374
5	Silencing of xenogeneic DNA by H-NSâ€"facilitation of lateral gene transfer in bacteria by a defense system that recognizes foreign DNA. Genes and Development, 2007, 21, 1456-1471.	5.9	262
6	Regulation of Salmonella typhimurium virulence gene expression by cationic antimicrobial peptides. Molecular Microbiology, 2003, 50, 219-230.	2.5	242
7	Structural basis for recognition of AT-rich DNA by unrelated xenogeneic silencing proteins. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10690-10695.	7.1	204
8	Co-regulation of Salmonella enterica genes required for virulence and resistance to antimicrobial peptides by SlyA and PhoP/PhoQ. Molecular Microbiology, 2005, 56, 492-508.	2.5	203
9	Lsr2 is a nucleoid-associated protein that targets AT-rich sequences and virulence genes inMycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5154-5159.	7.1	192
10	Pathogen-induced apoptosis of macrophages: a common end for different pathogenic strategies. Microreview. Cellular Microbiology, 2000, 2, 265-273.	2.1	186
11	Tryptophan-derived microbial metabolites activate the aryl hydrocarbon receptor in tumor-associated macrophages to suppress anti-tumor immunity. Immunity, 2022, 55, 324-340.e8.	14.3	179
12	Multiple Enzymatic Activities of the Murein Hydrolase from Staphylococcal Phage Ï†11. Journal of Biological Chemistry, 1999, 274, 15847-15856.	3.4	154
13	PoxA, YjeK, and Elongation Factor P Coordinately Modulate Virulence and Drug Resistance in Salmonella enterica. Molecular Cell, 2010, 39, 209-221.	9.7	147
14	The response regulator SsrB activates expression of diverse Salmonella pathogenicity island 2 promoters and counters silencing by the nucleoidâ€associated protein Hâ€NS. Molecular Microbiology, 2007, 65, 477-493.	2.5	135
15	Multiple Targets of Nitric Oxide in the Tricarboxylic Acid Cycle of Salmonella enterica Serovar Typhimurium. Cell Host and Microbe, 2011, 10, 33-43.	11.0	112
16	Salmonella-induced macrophage death: the role of caspase-1 in death and inflammation. Microbes and Infection, 2001, 3, 1201-1212.	1.9	109
17	Lsr2 of Mycobacterium Represents a Novel Class of H-NS-Like Proteins. Journal of Bacteriology, 2008, 190, 7052-7059.	2.2	109
18	Comparison of the PhoPQ Regulon in Escherichia coli and Salmonella typhimurium. Journal of Molecular Evolution, 2005, 60, 462-474.	1.8	106

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19	Silencing of foreign DNA in bacteria. Current Opinion in Microbiology, 2012, 15, 175-181.	5.1	96
20	H-NS promotes looped domain formation in the bacterial chromosome. Current Biology, 2007, 17, R913-R914.	3.9	91
21	The tRNA synthetase paralog PoxA modifies elongation factor-P with (R)-Î²-lysine. Nature Chemical Biology, 2011, 7, 667-669.	8.0	88
22	Silencing by H-NS Potentiated the Evolution of Salmonella. PLoS Pathogens, 2014, 10, e1004500.	4.7	87
23	EF-P Dependent Pauses Integrate Proximal and Distal Signals during Translation. PLoS Genetics, 2014, 10, e1004553.	3.5	85
24	Divergent Protein Motifs Direct Elongation Factor P-Mediated Translational Regulation in Salmonella enterica and Escherichia coli. MBio, 2013, 4, e00180-13.	4.1	83
25	Xenogeneic Silencing and Its Impact on Bacterial Genomes. Annual Review of Microbiology, 2016, 70, 199-213.	7.3	79
26	Loss of Elongation Factor P Disrupts Bacterial Outer Membrane Integrity. Journal of Bacteriology, 2012, 194, 413-425.	2.2	65
27	Structural Insights into the Regulation of Foreign Genes in Salmonella by the Hha/H-NS Complex. Journal of Biological Chemistry, 2013, 288, 13356-13369.	3.4	61
28	Limiting oxidative DNA damage reduces microbe-induced colitis-associated colorectal cancer. Nature Communications, 2020, 11, 1802.	12.8	58
29	Translation Initiation Rate Determines the Impact of Ribosome Stalling on Bacterial Protein Synthesis. Journal of Biological Chemistry, 2014, 289, 28160-28171.	3.4	56
30	Cyclic Rhamnosylated Elongation Factor P Establishes Antibiotic Resistance in Pseudomonas aeruginosa. MBio, 2015, 6, e00823.	4.1	56
31	Integrated circuits: how transcriptional silencing and counter-silencing facilitate bacterial evolution. Current Opinion in Microbiology, 2015, 23, 8-13.	5.1	56
32	A Novel AT-Rich DNA Recognition Mechanism for Bacterial Xenogeneic Silencer MvaT. PLoS Pathogens, 2015, 11, e1004967.	4.7	53
33	Anchor Structure of Staphylococcal Surface Proteins. Journal of Biological Chemistry, 1998, 273, 29135-29142.	3.4	52
34	(R)-Î²-Lysine-modified Elongation Factor P Functions in Translation Elongation. Journal of Biological Chemistry, 2013, 288, 4416-4423.	3.4	51
35	The Impact of Gene Silencing on Horizontal Gene Transfer and Bacterial Evolution. Advances in Microbial Physiology, 2016, 69, 157-186.	2.4	41
36	The 5.5 Protein of Phage T7 Inhibits H-NS through Interactions with the Central Oligomerization Domain. Journal of Bacteriology, 2011, 193, 4881-4892.	2.2	37

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37	Elongation factor P mediates a novel post-transcriptional regulatory pathway critical for bacterial virulence. Virulence, 2011, 2, 147-151.	4.4	31
38	The Evolution of SlyA/RovA Transcription Factors from Repressors to Countersilencers in Enterobacteriaceae. MBio, 2019, 10, .	4.1	26
39	Molecular evolution of protein-RNA mimicry as a mechanism for translational control. Nucleic Acids Research, 2014, 42, 3261-3271.	14.5	25
40	How bacterial xenogeneic silencer rok distinguishes foreign from self DNA in its resident genome. Nucleic Acids Research, 2018, 46, 10514-10529.	14.5	23
41	Early-life programming of mesenteric lymph node stromal cell identity by the lymphotoxin pathway regulates adult mucosal immunity. Science Immunology, 2019, 4, .	11.9	23
42	Predicting the mechanism and rate of H-NS binding to AT-rich DNA. PLoS Computational Biology, 2019, 15, e1006845.	3.2	22
43	The Salmonella LysR Family Regulator RipR Activates the SPI-13-Encoded Itaconate Degradation Cluster. Infection and Immunity, 2020, 88, .	2.2	18
44	Acids produced by lactobacilli inhibit the growth of commensal Lachnospiraceae and S24-7 bacteria. Gut Microbes, 2022, 14, 2046452.	9.8	17
45	Xenogeneic Silencing and Bacterial Genome Evolution: Mechanisms for DNA Recognition Imply Multifaceted Roles of Xenogeneic Silencers. Molecular Biology and Evolution, 2021, 38, 4135-4148.	8.9	16
46	Î²-Lysine discrimination by lysyl-tRNA synthetase. FEBS Letters, 2011, 585, 3284-3288.	2.8	12
47	A biomechanical mechanism for initiating DNA packaging. Nucleic Acids Research, 2014, 42, 11921-11927.	14.5	12
48	The CIAMIB: a Large and Metabolically Diverse Collection of Inflammation-Associated Bacteria from the Murine Gut. MBio, 2022, , e0294921.	4.1	11
49	Growth Phase-Dependent Chromosome Condensation and Heat-Stable Nucleoid-Structuring Protein Redistribution in Escherichia coli under Osmotic Stress. Journal of Bacteriology, 2019, 201, .	2.2	10
50	H-NS as a Defence System. , 2010, , 251-322.		6
51	Stress-Induced Block in Dicarboxylate Uptake and Utilization in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2021, 203, .	2.2	5
52	Xenogeneic Silencing and Horizontal Gene Transfer. , 2019, , 1-27.		2
53	Complete Genome Sequence of Streptococcus salivarius DB-B5, a Novel Probiotic Candidate Isolated from the Supragingival Plaque of a Healthy Female Subject. Microbiology Resource Announcements, 2020, 9, .	0.6	2
54	Elongation factor-P at the crossroads of the host-endosymbiont interface. Microbial Cell, 2015, 2, 360-362.	3.2	2

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55	Loss of Elongation Factor P Disrupts Bacterial Outer Membrane Integrity. Journal of Bacteriology, 2012, 194, 4484-4484.	2.2	1
56	Exploring the Mechanics and Dynamics of Gene Silencing Proteins. Biophysical Journal, 2016, 110, 236a.	0.5	0
57	Spatial Distribution of H-NS in E. coli under Environmental Stress. Biophysical Journal, 2018, 114, 536a-537a.	0.5	0