Joseph P Dillard

List of Publications by Year
in descending order

65	2,622	186265 28	206112 48
papers	citations	h-index	g-index

68	68	68	2175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neisseria gonorrhoeaesecretes chromosomal DNA via a novel type IV secretion system. Molecular Microbiology, 2005, 55, 1704-1721.	2.5	254
2	Natural transformation ofNeisseria gonorrhoeae: from DNA donation to homologous recombination. Molecular Microbiology, 2006, 59, 376-385.	2.5	187
3	A variable genetic island specific for Neisseria gonorrhoeae is involved in providing DNA for natural transformation and is found more often in disseminated infection isolates. Molecular Microbiology, 2001, 41, 263-277.	2.5	173
4	Pneumococcal Diversity: Considerations for New Vaccine Strategies with Emphasis on Pneumococcal Surface Protein A (PspA). Clinical Microbiology Reviews, 1998, 11, 645-657.	13.6	139
5	Genetic Manipulation of <i>Neisseria gonorrhoeae</i>. Current Protocols in Microbiology, 2011, 23, Unit4A.2.	6.5	82
6	Genetic and molecular characterization of capsular polysaccharide biosynthesis inStreptococcus pneumoniaetype 3. Molecular Microbiology, 1994, 12, 959-972.	2.5	79
7	Insertion-Duplication Mutagenesis of Neisseria : Use in Characterization of DNA Transfer Genes in the Gonococcal Genetic Island. Journal of Bacteriology, 2001, 183, 4718-4726.	2.2	76
8	AmiC Functions as an <i>N</i> -Acetylmuramyl- <scp>l</scp> -Alanine Amidase Necessaryfor Cell Separation and Can Promote Autolysis in <i>Neisseria gonorrhoeae</i>. Journal of Bacteriology, 2006, 188, 7211-7221.	2.2	69
9	Type I Interferon Induction by Neisseria gonorrhoeae: Dual Requirement of Cyclic GMP-AMP Synthase and Toll-like Receptor 4. Cell Reports, 2016, 15, 2438-2448.	6.4	66
10	A Lytic Transglycosylase of <i>Neisseria gonorrhoeae</i> Is Involved in Peptidoglycan-Derived Cytotoxin Production. Infection and Immunity, 2002, 70, 2752-2757.	2.2	65
11	Pathogenesis of Neisseria gonorrhoeae and the Host Defense in Ascending Infections of Human Fallopian Tube. Frontiers in Immunology, 2018, 9, 2710.	4.8	61
12	Mutations Affecting Peptidoglycan Acetylation in Neisseria gonorrhoeae and Neisseria meningitidis. Infection and Immunity, 2005, 73, 5697-5705.	2.2	59
13	The Gonococcal Genetic Island and Type IV Secretion in the Pathogenic Neisseria. Frontiers in Microbiology, 2011, 2, 61.	3.5	54
14	Genomic analyses of Neisseria gonorrhoeae reveal an association of the gonococcal genetic island with antimicrobial resistance. Journal of Infection, 2016, 73, 578-587.	3.3	54
15	Two lytic transglycosylases in<i>Neisseria gonorrhoeae</i>impart resistance to killing by lysozyme and human neutrophils. Cellular Microbiology, 2017, 19, e12662.	2.1	52
16	<i>Neisseria gonorrhoeae</i> Uses Two Lytic Transglycosylases To Produce Cytotoxic Peptidoglycan Monomers. Journal of Bacteriology, 2008, 190, 5989-5994.	2.2	49
17	Genetic Manipulation ofNeisseria gonorrhoeae. , 2006, Chapter 4, Unit 4A.2.		49
18	AtlA Functions as a Peptidoglycan Lytic Transglycosylase in the Neisseria gonorrhoeae Type IV Secretion System. Journal of Bacteriology, 2007, 189, 5421-5428.	2.2	48

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19	A novel relaxase homologue is involved in chromosomal DNA processing for type IV secretion in <i>Neisseria gonorrhoeae</i>. Molecular Microbiology, 2007, 66, 930-947.	2.5	47
20	The Lytic Transglycosylases of<i>Neisseria gonorrhoeae</i>. Microbial Drug Resistance, 2012, 18, 271-279.	2.0	46
21	Mutation of a Single Lytic Transglycosylase Causes Aberrant Septation and Inhibits Cell Separation of Neisseria gonorrhoeae. Journal of Bacteriology, 2004, 186, 7811-7814.	2.2	44
22	New Complementation Constructs for Inducible and Constitutive Gene Expression in Neisseria gonorrhoeae and Neisseria meningitidis. Applied and Environmental Microbiology, 2012, 78, 3068-3078.	3.1	44
23	Mutations in <i>ampG</i> or <i>ampD</i> Affect Peptidoglycan Fragment Release from <i>Neisseria gonorrhoeae</i>. Journal of Bacteriology, 2008, 190, 3799-3807.	2.2	43
24	Peptidoglycan Fragment Release from Neisseria meningitidis. Infection and Immunity, 2013, 81, 3490-3498.	2.2	43
25	XerCD-Mediated Site-Specific Recombination Leads to Loss of the 57-Kilobase Gonococcal Genetic Island. Journal of Bacteriology, 2011, 193, 377-388.	2.2	41
26	A peptidoglycan hydrolase similar to bacteriophage endolysins acts as an autolysin in Neisseria gonorrhoeae. Molecular Microbiology, 1997, 25, 893-901.	2.5	39
27	The pathogenic neisseriae contain an inactive rpoN gene and do not utilize the pilE Ïƒ54 promoter. Gene, 1998, 208, 95-102.	2.2	38
28	Lytic transglycosylases LtgA and LtgD perform distinct roles in remodeling, recycling and releasing peptidoglycan in <i>Neisseria gonorrhoeae</i>. Molecular Microbiology, 2016, 102, 865-881.	2.5	38
29	Increased Expression of the Type IV Secretion System in Piliated <i>Neisseria gonorrhoeae</i> Variants. Journal of Bacteriology, 2010, 192, 1912-1920.	2.2	31
30	Prevalence and Detailed Mapping of the Gonococcal Genetic Island in Neisseria meningitidis. Journal of Bacteriology, 2012, 194, 2275-2285.	2.2	31
31	Digestion of Peptidoglycan and Analysis of Soluble Fragments. Bio-protocol, 2017, 7, .	0.4	30
32	A Single Dual-Function Enzyme Controls the Production of Inflammatory NOD Agonist Peptidoglycan Fragments by <i>Neisseria gonorrhoeae</i>. MBio, 2017, 8, .	4.1	28
33	Neisseria gonorrhoeae Virulence Factor NG1686 Is a Bifunctional M23B Family Metallopeptidase That Influences Resistance to Hydrogen Peroxide and Colony Morphology. Journal of Biological Chemistry, 2012, 287, 11222-11233.	3.4	27
34	nagZ Triggers Gonococcal Biofilm Disassembly. Scientific Reports, 2016, 6, 22372.	3.3	27
35	<i>Neisseria gonorrhoeae</i> Lytic Transglycosylases LtgA and LtgD Reduce Host Innate Immune Signaling through TLR2 and NOD2. ACS Infectious Diseases, 2017, 3, 624-633.	3.8	27
36	Amidase Activity of AmiC Controls Cell Separation and Stem Peptide Release and Is Enhanced by NlpD in Neisseria gonorrhoeae. Journal of Biological Chemistry, 2016, 291, 10916-10933.	3.4	26

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37	Functional Analysis of the Gonococcal Genetic Island of Neisseria gonorrhoeae. PLoS ONE, 2014, 9, e109613.	2.5	26
38	The Gonococcal NlpD Protein Facilitates Cell Separation by Activating Peptidoglycan Cleavage by AmiC. Journal of Bacteriology, 2016, 198, 615-622.	2.2	25
39	Neisseria gonorrhoeae Crippled Its Peptidoglycan Fragment Permease To Facilitate Toxic Peptidoglycan Monomer Release. Journal of Bacteriology, 2016, 198, 3029-3040.	2.2	24
40	Mating Pair Formation Homologue TraG Is a Variable Membrane Protein Essential for Contact-Independent Type IV Secretion of Chromosomal DNA by Neisseria gonorrhoeae. Journal of Bacteriology, 2013, 195, 1666-1679.	2.2	23
41	Type IV Secretion Machinery Promotes Ton-Independent Intracellular Survival of <i>Neisseria gonorrhoeae</i> within Cervical Epithelial Cells. Infection and Immunity, 2010, 78, 2429-2437.	2.2	22
42	The NtrYX Two-Component System Regulates the Bacterial Cell Envelope. MBio, 2020, 11, .	4.1	22
43	Attention Seeker: Production, Modification, and Release of Inflammatory Peptidoglycan Fragments in Neisseria Species. Journal of Bacteriology, 2017, 199, .	2.2	21
44	Secretion of Chromosomal DNA by the Neisseria gonorrhoeae Type IV Secretion System. Current Topics in Microbiology and Immunology, 2017, 413, 323-345.	1.1	20
45	TraK and TraB Are Conserved Outer Membrane Proteins of the Neisseria gonorrhoeae Type IV Secretion System and Are Expressed at Low Levels in Wild-Type Cells. Journal of Bacteriology, 2014, 196, 2954-2968.	2.2	17
46	Structural and Functional Features of a Developmentally Regulated Lipopolysaccharide-Binding Protein. MBio, 2015, 6, e01193-15.	4.1	16
47	Characterization of the Single Stranded DNA Binding Protein SsbB Encoded in the Gonoccocal Genetic Island. PLoS ONE, 2012, 7, e35285.	2.5	16
48	The Pathogenic Neisseria Use a Streamlined Set of Peptidoglycan Degradation Proteins for Peptidoglycan Remodeling, Recycling, and Toxic Fragment Release. Frontiers in Microbiology, 2019, 10, 73.	3.5	14
49	RecQ DNA helicase HRDC domains are critical determinants in <i>Neisseria gonorrhoeae</i> pilin antigenic variation and DNA repair. Molecular Microbiology, 2009, 71, 158-171.	2.5	11
50	The low-molecular-mass, penicillin-binding proteins DacB and DacC combine to modify peptidoglycan cross-linking and allow stable Type IV pilus expression inNeisseria gonorrhoeae. Molecular Microbiology, 2018, 109, 135-149.	2.5	11
51	Protein interactions within and between two Fâ€type type IV secretion systems. Molecular Microbiology, 2020, 114, 823-838.	2.5	11
52	Targeted mutagenesis of intergenic regions in the <scp><i>N</i></scp><i>eisseria gonorrhoeae</i> gonococcal genetic island reveals multiple regulatory mechanisms controlling type <scp>IV</scp> secretion. Molecular Microbiology, 2015, 97, 1168-1185.	2.5	9
53	Analysis of Peptidoglycan Fragment Release. Methods in Molecular Biology, 2016, 1440, 185-200.	0.9	9
54	Antigenic Variation in <i>Neisseria gonorrhoeae</i> Occurs Independently of RecQ-Mediated Unwinding of the <i>pilE</i> G Quadruplex. Journal of Bacteriology, 2020, 202, .	2.2	9

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55	Transformation in Neisseria gonorrhoeae. Methods in Molecular Biology, 2019, 1997, 143-162.	0.9	8
56	Defective lytic transglycosylase disrupts cell morphogenesis by hindering cell wall de-O-acetylation in Neisseria meningitidis. ELife, 2020, 9, .	6.0	7
57	<i>Neisseria gonorrhoeae</i> PBP3 and PBP4 Facilitate NOD1 Agonist Peptidoglycan Fragment Release and Survival in Stationary Phase. Infection and Immunity, 2019, 87, .	2.2	6
58	Selective Inhibition of Neisseria gonorrhoeae by a Dithiazoline in Mixed Infections with Lactobacillus gasseri. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	5
59	Transcriptional and Translational Responsiveness of the Neisseria gonorrhoeae Type IV Secretion System to Conditions of Host Infections. Infection and Immunity, 2021, 89, e0051921.	2.2	5
60	The AmiC/NlpD Pathway Dominates Peptidoglycan Breakdown in Neisseria meningitidis and Affects Cell Separation, NOD1 Agonist Production, and Infection. Infection and Immunity, 2022, 90, IAI0048521.	2.2	4
61	Expression, Localization, and Protein Interactions of the Partitioning Proteins in the Gonococcal Type IV Secretion System. Frontiers in Microbiology, 2021, 12, 784483.	3.5	4
62	Antibiotic Targets in Gonococcal Cell Wall Metabolism. Antibiotics, 2018, 7, 64.	3.7	3
63	Mucus Is a Key Factor in Neisseria meningitidis Commensalism. MSphere, 2019, 4, .	2.9	1
64	Hold It Right There! Gonococci Preserve Epithelium Integrity during Intimate Adherence. Cell Host and Microbe, 2020, 27, 685-686.	11.0	1
65	Peptidoglycan Composition in Neisseria. Methods in Molecular Biology, 2019, 1997, 111-120.	0.9	0