

# Jo-Anne R Dillon

## List of Publications by Year in descending order

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89  
papers

2,890  
citations

218677

26  
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189892

50  
g-index

91  
all docs

91  
docs citations

91  
times ranked

2308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial resistance in <i>Neisseria gonorrhoeae</i> : Global surveillance and a call for international collaborative action. <i>PLoS Medicine</i> , 2017, 14, e1002344.	8.4	481
2	Gonorrhoea. <i>Nature Reviews Disease Primers</i> , 2019, 5, 79.	30.5	284
3	World Health Organization Global Gonococcal Antimicrobial Surveillance Program (WHO GASP): review of new data and evidence to inform international collaborative actions and research efforts. <i>Sexual Health</i> , 2019, 16, 412.	0.9	177
4	Multidrug-resistant gonorrhea: A research and development roadmap to discover new medicines. <i>PLoS Medicine</i> , 2017, 14, e1002366.	8.4	129
5	Review and International Recommendation of Methods for Typing <i>Neisseria gonorrhoeae</i> Isolates and Their Implications for Improved Knowledge of Gonococcal Epidemiology, Treatment, and Biology. <i>Clinical Microbiology Reviews</i> , 2011, 24, 447-458.	13.6	127
6	WHO global antimicrobial resistance surveillance for <i>Neisseria gonorrhoeae</i> 2017-18: a retrospective observational study. <i>Lancet Microbe</i> , The, 2021, 2, e627-e636.	7.3	112
7	The epidemiology of global antibiotic resistance among <i>Neisseria gonorrhoeae</i> and <i>Haemophilus ducreyi</i> . <i>Lancet</i> , The, 1998, 351, S8-S11.	13.7	99
8	Garlic natural health products exhibit variable constituent levels and antimicrobial activity against <i>Neisseria gonorrhoeae</i> , <i>Staphylococcus aureus</i> and <i>Enterococcus faecalis</i> . <i>Phytotherapy Research</i> , 2005, 19, 327-334.	5.8	63
9	Sequence Analysis of the Family of Penicillinase-Producing Plasmids of <i>Neisseria gonorrhoeae</i> . <i>Plasmid</i> , 2000, 43, 24-34.	1.4	62
10	<i>Enterococcus faecalis</i> <i>divIVA</i> : an essential gene involved in cell division, cell growth and chromosome segregation. <i>Microbiology (United Kingdom)</i> , 2005, 151, 1381-1393.	1.8	62
11	Analysis of mutations in multiple loci of <i>Neisseria gonorrhoeae</i> isolates reveals effects of PIB, PBP2 and MtrR on reduced susceptibility to ceftriaxone. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 1016-1023.	3.0	61
12	Characterisation of <i>bla</i> TEM genes and types of $\beta$ -lactamase plasmids in <i>Neisseria gonorrhoeae</i> - the prevalent and conserved <i>bla</i> TEM-135 has not recently evolved and existed in the Toronto plasmid from the origin. <i>BMC Infectious Diseases</i> , 2014, 14, 454.	2.9	57
13	Gonococcal MinD Affects Cell Division in <i>Neisseria gonorrhoeae</i> and <i>Escherichia coli</i> and Exhibits a Novel Self-Interaction. <i>Journal of Bacteriology</i> , 2001, 183, 6253-6264.	2.2	55
14	Reduced Susceptibility to Azithromycin and High Percentages of Penicillin and Tetracycline Resistance in <i>Neisseria gonorrhoeae</i> Isolates from Manaus, Brazil, 1998. <i>Sexually Transmitted Diseases</i> , 2001, 28, 521-526.	1.7	51
15	Conservation of dynamic localization among MinD and MinE orthologues: oscillation of <i>Neisseria gonorrhoeae</i> proteins in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2002, 46, 493-504.	2.5	46
16	Deletion of the cell-division inhibitor MinC results in lysis of <i>Neisseria gonorrhoeae</i> . <i>Microbiology (United Kingdom)</i> , 2001, 147, 225-237.	1.8	46
17	Retrospective Analysis of Antimicrobial Susceptibility Trends (2000-2009) in <i>Neisseria gonorrhoeae</i> Isolates from Countries in Latin America and the Caribbean Shows Evolving Resistance to Ciprofloxacin, Azithromycin and Decreased Susceptibility to Ceftriaxone. <i>Sexually Transmitted Diseases</i> , 2012, 39, 813-821.	1.7	44
18	Antimicrobial susceptibility and molecular determinants of quinolone resistance in <i>Neisseria gonorrhoeae</i> isolates from Shanghai. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 868-872.	3.0	43

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19	Organization and transcription of the division cell wall (dcw) cluster in <i>Neisseria gonorrhoeae</i> . <i>Gene</i> , 2000, 251, 141-151.	2.2	40
20	Appropriation of the MinD protein-interaction motif by the dimeric interface of the bacterial cell division regulator MinE. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18416-18421.	7.1	40
21	Antimicrobial Activity of Flavonoids From <i>Piper lanceaefolium</i> and Other Colombian Medicinal Plants Against Antibiotic Susceptible and Resistant Strains of <i>Neisseria gonorrhoeae</i> . <i>Sexually Transmitted Diseases</i> , 2011, 38, 82-88.	1.7	39
22	Two decades of the gonococcal antimicrobial surveillance program in South America and the Caribbean: challenges and opportunities. <i>Sexually Transmitted Infections</i> , 2013, 89, iv36-iv41.	1.9	36
23	Antimicrobial Susceptibility of <i>Neisseria gonorrhoeae</i> Isolates From Three Caribbean Countries: Trinidad, Guyana, and St. Vincent. <i>Sexually Transmitted Diseases</i> , 2001, 28, 508-514.	1.7	32
24	Challenges in the Control of Gonorrhea in South America and the Caribbean: Monitoring the Development of Resistance to Antibiotics. <i>Sexually Transmitted Diseases</i> , 2006, 33, 87-95.	1.7	30
25	Extracts of Canadian First Nations Medicinal Plants, Used as Natural Products, Inhibit <i>Neisseria gonorrhoeae</i> Isolates With Different Antibiotic Resistance Profiles. <i>Sexually Transmitted Diseases</i> , 2011, 38, 667-671.	1.7	30
26	Epidemic Methicillin-Susceptible <i>Staphylococcus aureus</i> Lineages Are the Main Cause of Infections at an Iranian University Hospital. <i>Journal of Clinical Microbiology</i> , 2011, 49, 3990-3993.	3.9	30
27	Multiple Origins and Replication Proteins Influence Biological Properties of $\beta$ -Lactamase-Producing Plasmids from <i>Neisseria gonorrhoeae</i> . <i>Journal of Bacteriology</i> , 2001, 183, 5472-5481.	2.2	26
28	High Percentages of Resistance to Tetracycline and Penicillin and Reduced Susceptibility to Azithromycin Characterize the Majority of Strain Types of <i>Neisseria gonorrhoeae</i> Isolates in Cuba, 1995-1998. <i>Sexually Transmitted Diseases</i> , 2003, 30, 443-448.	1.7	24
29	Behavioral and Socioeconomic Risk Factors Associated with Probable Resistance to Ceftriaxone and Resistance to Penicillin and Tetracycline in <i>Neisseria gonorrhoeae</i> in Shanghai. <i>PLoS ONE</i> , 2014, 9, e89458.	2.5	22
30	Contribution of the swine model in the study of human sexually transmitted infections. <i>Infection, Genetics and Evolution</i> , 2018, 66, 346-360.	2.3	22
31	Antimicrobial resistance genetic factor identification from whole-genome sequence data using deep feature selection. <i>BMC Bioinformatics</i> , 2019, 20, 535.	2.6	22
32	Clusters of circulating <i>Neisseria gonorrhoeae</i> strains and association with antimicrobial resistance in Shanghai. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 61, 478-487.	3.0	20
33	Molecular epidemiology and novel combinations of auxotype, serovar, and plasmid content in tetracycline-resistant <i>Neisseria gonorrhoeae</i> isolated in Canada. <i>Canadian Journal of Microbiology</i> , 1990, 36, 64-67.	1.7	19
34	Identification of the Coiled-coil Domains of <i>Enterococcus faecalis</i> DivIVA that Mediate Oligomerization and their Importance for Biological Function. <i>Journal of Biochemistry</i> , 2008, 144, 63-76.	1.7	19
35	Molecular epidemiology of <i>Neisseria gonorrhoeae</i> isolates from Saskatchewan, Canada: utility of NG-MAST in predicting antimicrobial susceptibility regionally. <i>Sexually Transmitted Infections</i> , 2014, 90, 297-302.	1.9	19
36	A conserved polar region in the cell division site determinant MinD is required for responding to MinE-induced oscillation but not for localization within coiled arrays. <i>Research in Microbiology</i> , 2005, 156, 17-29.	2.1	18

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37	Using Crude Whole-Genome Assemblies of <i>Neisseria gonorrhoeae</i> as a Platform for Strain Analysis: Clonal Spread of Gonorrhea Infection in Saskatchewan, Canada. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3772-3776.	3.9	18
38	Resistance to Ceftriaxone and Azithromycin in <i>Neisseria gonorrhoeae</i> Isolates From 7 Countries of South America and the Caribbean: 2010–2011. <i>Sexually Transmitted Diseases</i> , 2017, 44, 157-160.	1.7	18
39	A MinD mutant of enterohemorrhagic <i>E. coli</i> O157:H7 has reduced adherence to human epithelial cells. <i>Microbial Pathogenesis</i> , 2011, 51, 378-383.	2.9	16
40	The distinctive cell division interactome of <i>Neisseria gonorrhoeae</i> . <i>BMC Microbiology</i> , 2017, 17, 232.	3.3	16
41	High levels of susceptibility to new and older antibiotics in <i>Neisseria gonorrhoeae</i> isolates from Saskatchewan (2003–15): time to consider point-of-care or molecular testing for precision treatment?. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 118-125.	3.0	16
42	Quality Assurance for Antimicrobial Susceptibility Testing of <i>Neisseria gonorrhoeae</i> in Canada, 2003 to 2012. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3646-3649.	3.9	15
43	Multiplex Real-Time PCR Assay for Simultaneous Identification of <i>Neisseria gonorrhoeae</i> and Its Ciprofloxacin Susceptibility Status. <i>Journal of Clinical Microbiology</i> , 2017, 55, 3201-3209.	3.9	15
44	Comparison of <i>Neisseria gonorrhoeae</i> Multiantigen Sequence Typing and <i>porB</i> Sequence Analysis for Identification of Clusters of <i>N. gonorrhoeae</i> Isolates. <i>Journal of Clinical Microbiology</i> , 2009, 47, 489-491.	3.9	14
45	Sustainable Antimicrobial Surveillance Programs Essential for Controlling <i>Neisseria gonorrhoeae</i> Superbug. <i>Sexually Transmitted Diseases</i> , 2011, 38, 899-901.	1.7	14
46	Attenuated virulence of min operon mutants of <i>Neisseria gonorrhoeae</i> and their interactions with human urethral epithelial cells. <i>Microbes and Infection</i> , 2011, 13, 545-554.	1.9	14
47	Importance of drug resistance in gonococci: from mechanisms to monitoring. <i>Current Opinion in Infectious Diseases</i> , 1999, 12, 35-40.	3.1	14
48	A $\beta$ -lactamase-producing plasmid from <i>Neisseria gonorrhoeae</i> carrying a unique 6 bp deletion in blaTEM-1 encoding a truncated 24 kDa TEM-1 penicillinase that hydrolyses ampicillin slowly. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2904-2912.	3.0	12
49	Expression of <i>Neisseria gonorrhoeae</i> cell division genes <i>ftsZ</i> , <i>ftsE</i> and <i>minD</i> is influenced by environmental conditions. <i>Research in Microbiology</i> , 2001, 152, 781-791.	2.1	11
50	Detection of a Novel Tet M Determinant in Tetracycline-Resistant <i>Neisseria gonorrhoeae</i> from Uruguay, 1996–1999. <i>Sexually Transmitted Diseases</i> , 2002, 29, 792-797.	1.7	11
51	Influence of Conserved and Hypervariable Genetic Markers on Genotyping Circulating Strains of <i>Neisseria gonorrhoeae</i> . <i>PLoS ONE</i> , 2011, 6, e28259.	2.5	11
52	Longitudinal Analysis of the Evolution and Dissemination of <i>Neisseria gonorrhoeae</i> Strains (Saskatchewan, Canada, 2005 to 2008) Reveals Three Major Circulating Strains and Convergent Evolution of Ciprofloxacin and Azithromycin Resistance. <i>Journal of Clinical Microbiology</i> , 2012, 50, 3823-3830.	3.9	11
53	Regulation of <i>minD</i> by <i>oxyR</i> in <i>Neisseria gonorrhoeae</i> . <i>Research in Microbiology</i> , 2013, 164, 406-415.	2.1	11
54	Organization of carbamoyl-phosphate synthase genes in <i>Neisseria gonorrhoeae</i> includes a large, variable intergenic sequence which is also present in other <i>Neisseria</i> species. <i>Microbiology (United Kingdom)</i> , 2007, 151, 1010-1018.	1.0	10

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55	Genomic, Transcriptional and Phenotypic Analysis of <i>ftsE</i> and <i>ftsX</i> of <i>Neisseria gonorrhoeae</i> . <i>DNA Research</i> , 2000, 7, 75-81.	3.4	10
56	The C-terminus of MinE from <i>Neisseria gonorrhoeae</i> acts as a topological specificity factor by modulating MinD activity in bacterial cell division. <i>Research in Microbiology</i> , 2006, 157, 333-344.	2.1	10
57	Construction of miniplasmids from the 7.2-kb and 5.1-kb penicillinase-producing plasmids of <i>Neisseria gonorrhoeae</i> reveals two replication regions. <i>Plasmid</i> , 1988, 20, 232-240.	1.4	9
58	Molecular Epidemiology of <i>Neisseria gonorrhoeae</i> Isolates with Plasmid-Mediated Tetracycline Resistance in Canada: Temporal and Geographical Trends (1986-1997). <i>Microbial Drug Resistance</i> , 2003, 9, 353-360.	2.0	9
59	From zero to zero in 100 years: gonococcal antimicrobial resistance. <i>Microbiology Australia</i> , 2016, 37, 173.	0.4	9
60	Fluoroquinolone Resistance in <i>Neisseria gonorrhoeae</i> : Fitness Cost or Benefit?. <i>Journal of Infectious Diseases</i> , 2012, 205, 1775-1777.	4.0	8
61	Mitigating the Emergence and Spread of Multidrug- and Extensively Drug-Resistant Gonorrhea. <i>Sexually Transmitted Diseases</i> , 2014, 41, 238-239.	1.7	8
62	Quality assurance for antimicrobial susceptibility testing of <i>Neisseria gonorrhoeae</i> in Latin American and Caribbean countries, 2013-2015. <i>Sexually Transmitted Infections</i> , 2018, 94, 479-482.	1.9	8
63	Gen2Epi: an automated whole-genome sequencing pipeline for linking full genomes to antimicrobial susceptibility and molecular epidemiological data in <i>Neisseria gonorrhoeae</i> . <i>BMC Genomics</i> , 2019, 20, 165.	2.8	8
64	Revised simulation model does not predict rebound in gonorrhoea prevalence where core groups are treated in the presence of antimicrobial resistance. <i>Sexually Transmitted Infections</i> , 2015, 91, 300-302.	1.9	7
65	Genomic Analysis Reveals Antibiotic-Susceptible Clones and Emerging Resistance in <i>Neisseria gonorrhoeae</i> in Saskatchewan, Canada. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	7
66	The N Terminus of MinD Contains Determinants Which Affect Its Dynamic Localization and Enzymatic Activity. <i>Journal of Bacteriology</i> , 2004, 186, 7175-7185.	2.2	6
67	Evaluation of a Hydrogel-Based Diagnostic Approach for the Point-of-Care Based Detection of <i>Neisseria gonorrhoeae</i> . <i>Antibiotics</i> , 2018, 7, 70.	3.7	6
68	A novel insertion sequence in the cryptic plasmid of <i>Neisseria gonorrhoeae</i> may alter the B protein at the translational level. <i>Plasmid</i> , 1988, 19, 39-45.	1.4	5
69	Time to Develop Standardized Molecular Diagnostics for the Simultaneous Detection of <i>Neisseria gonorrhoeae</i> and Its Antimicrobial Resistance. <i>Sexually Transmitted Diseases</i> , 2018, 45, 316-318.	1.7	5
70	Development of flow cytometry based adherence assay for <i>Neisseria gonorrhoeae</i> using 5- $\beta$ -carboxyfluoroscein succinyl ester. <i>BMC Microbiology</i> , 2019, 19, 67.	3.3	5
71	Suppression of ERK activation in urethral epithelial cells infected with <i>Neisseria gonorrhoeae</i> and its isogenic <i>minD</i> mutant contributes to anti-apoptosis. <i>Microbes and Infection</i> , 2015, 17, 317-322.	1.9	4
72	Can Social Network Analysis Help Address the High Rates of Bacterial Sexually Transmitted Infections in Saskatchewan?. <i>Sexually Transmitted Diseases</i> , 2017, 44, 338-343.	1.7	4

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73	Plasmid analysis and antimicrobial susceptibilities of <i>Peptostreptococcus</i> species. <i>FEMS Microbiology Letters</i> , 1989, 61, 47-52.	1.8	3
74	Demographic and behavioural characteristics predict bacterial STI reinfection and coinfection among a cross-sectional sample of laboratory-confirmed gonorrhoea cases in a local health region from Saskatchewan, Canada. <i>Canadian Journal of Public Health</i> , 2015, 106, e17-21.	2.3	3
75	An <i>Escherichia coli</i> expression model reveals the species-specific function of FtsA from <i>Neisseria gonorrhoeae</i> in cell division. <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	3
76	Association of <i>Neisseria gonorrhoeae</i> genogroups and specific PBP2/MtrR/PorB mutation patterns with susceptibility to penicillin in a susceptible gonococcal population. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 2682-2686.	3.0	3
77	EF1025, a Hypothetical Protein From <i>Enterococcus faecalis</i> , Interacts With DivIVA and Affects Cell Length and Cell Shape. <i>Frontiers in Microbiology</i> , 2020, 11, 83.	3.5	3
78	Bioinformatics tools used for whole-genome sequencing analysis of <i>Neisseria gonorrhoeae</i> : a literature review. <i>Briefings in Functional Genomics</i> , 2022, 21, 78-89.	2.7	3
79	Suitability of a chocolate agar-based medium for the transportation and long term storage of <i>Neisseria gonorrhoeae</i> isolates at room temperature. <i>Journal of Microbiological Methods</i> , 2018, 144, 86-87.	1.6	2
80	High Prevalence of Macrolide and Fluoroquinolone Resistanceâ€“Mediating Mutations in <i>Mycoplasma genitalium</i> â€“Positive Urine Specimens From Saskatchewan. <i>Sexually Transmitted Diseases</i> , 2021, 48, 680-684.	1.7	2
81	Problems and promises for out-of-lab tests for the detection of sexually transmitted diseases. <i>Clinical Biochemistry</i> , 1993, 26, 25-27.	1.9	1
82	High levels of susceptibility to new and older antibiotics in <i>Neisseria gonorrhoeae</i> isolates from Saskatchewan (2003â€“15): time to consider point-of-care or molecular testing for precision treatment?â€”authorsâ€™ response. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 829-830.	3.0	1
83	Characterization of antimicrobial resistance genes from <i>Neisseria gonorrhoeae</i> positive remnant Aptima urine specimens. <i>Future Microbiology</i> , 2019, 14, 1559-1571.	2.0	1
84	Gen2EpiGUI: User-Friendly Pipeline for Analyzing Whole-Genome Sequencing Data for Epidemiological Studies of <i>Neisseria gonorrhoeae</i> . <i>Sexually Transmitted Diseases</i> , 2020, 47, e42-e44.	1.7	1
85	$\beta$ -Lactamase-producing <i>Neisseria meningitidis</i> . <i>Clinical Microbiology Newsletter</i> , 1984, 6, 165-166.	0.7	0
86	Female Partner Notification Is a Promising Prevention Strategy for Controlling Sexually Transmitted Infections in Shanghai. <i>Sexually Transmitted Diseases</i> , 2014, 41, 702-705.	1.7	0
87	Identification of Demographic and Behavioral Risk Factors for Antibiotic Resistant Gonorrhoea Infections to Combat the Emergence of Potentially Untreatable Infections. <i>Sexually Transmitted Diseases</i> , 2014, 41, 730-731.	1.7	0
88	CcpN: a moonlighting protein regulating catabolite repression of gluconeogenic genes in <i>Bacillus subtilis</i> also affects cell length and interacts with DivIVA. <i>Canadian Journal of Microbiology</i> , 2020, 66, 723-732.	1.7	0
89	Phylogenomic analysis of <i>Neisseria gonorrhoeae</i> : a promising tool for tracking putative gonococcal sexual networks. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 391-392.	9.1	0