Amanda L Lewis

List of Publications by Year
in descending order

58	2,788	236612	205818
papers	citations	25 h-index	48 g-index

61	61	61	3136
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular mimicry of host sialylated glycans allows a bacterial pathogen to engage neutrophil Siglec-9 and dampen the innate immune response. Blood, 2009, 113, 3333-3336.	0.6	351
2	Gram-Positive Uropathogens, Polymicrobial Urinary Tract Infection, and the Emerging Microbiota of the Urinary Tract. Microbiology Spectrum, 2016, 4, .	1.2	243
3	Host sialoglycans and bacterial sialidases: a mucosal perspective. Cellular Microbiology, 2012, 14, 1174-1182.	1.1	164
4	Group B Streptococcal Capsular Sialic Acids Interact with Siglecs (Immunoglobulin-Like Lectins) on Human Leukocytes. Journal of Bacteriology, 2007, 189, 1231-1237.	1.0	152
5	Discovery and characterization of sialic acid O-acetylation in group B Streptococcus. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11123-11128.	3.3	145
6	Degradation, Foraging, and Depletion of Mucus Sialoglycans by the Vagina-adapted Actinobacterium Gardnerella vaginalis. Journal of Biological Chemistry, 2013, 288, 12067-12079.	1.6	138
7	Innovations in host and microbial sialic acid biosynthesis revealed by phylogenomic prediction of nonulosonic acid structure. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13552-13557.	3.3	135
8	Human milk oligosaccharides inhibit growth of group B Streptococcus. Journal of Biological Chemistry, 2017, 292, 11243-11249.	1.6	129
9	Urinary Tract Infection as a Preventable Cause of Pregnancy Complications: Opportunities, Challenges, and a Global Call to Action. Global Advances in Health and Medicine, 2013, 2, 59-69.	0.7	93
10	Clinical Features of Bacterial Vaginosis in a Murine Model of Vaginal Infection with Gardnerella vaginalis. PLoS ONE, 2013, 8, e59539.	1.1	93
11	Transient microbiota exposures activate dormant Escherichia coli infection in the bladder and drive severe outcomes of recurrent disease. PLoS Pathogens, 2017, 13, e1006238.	2.1	72
12	Gardnerella vaginalis and Prevotella bivia Trigger Distinct and Overlapping Phenotypes in a Mouse Model of Bacterial Vaginosis. Journal of Infectious Diseases, 2019, 220, 1099-1108.	1.9	71
13	Gardnerella vaginalis as a Cause of Bacterial Vaginosis: Appraisal of the Evidence From in vivo Models. Frontiers in Cellular and Infection Microbiology, 2020, 10, 168.	1.8	71
14	A mucosal imprint left by prior Escherichia coli bladder infection sensitizes to recurrent disease. Nature Microbiology, 2017, 2, 16196.	5.9	67
15	Hydrolysis of Secreted Sialoglycoprotein Immunoglobulin A (IgA) in ex Vivo and Biochemical Models of Bacterial Vaginosis. Journal of Biological Chemistry, 2012, 287, 2079-2089.	1.6	62
16	The sialate O-acetylesterase EstA from gut Bacteroidetes species enables sialidase-mediated cross-species foraging of 9-O-acetylated sialoglycans. Journal of Biological Chemistry, 2017, 292, 11861-11872.	1.6	57
17	Immune Modulation by Group B Streptococcus Influences Host Susceptibility to Urinary Tract Infection by Uropathogenic Escherichia coli. Infection and Immunity, 2012, 80, 4186-4194.	1.0	55
18	The Group B Streptococcal Sialic Acid O-Acetyltransferase Is Encoded by neuD, a Conserved Component of Bacterial Sialic Acid Biosynthetic Gene Clusters. Journal of Biological Chemistry, 2006, 281, 11186-11192.	1.6	54

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19	Associations between the vaginal microbiome and Candida colonization in women of reproductive age. American Journal of Obstetrics and Gynecology, 2020, 222, 471.e1-471.e9.	0.7	52
20	Association between obesity and bacterial vaginosis as assessed by Nugent score. American Journal of Obstetrics and Gynecology, 2019, 220, 476.e1-476.e11.	0.7	50
21	Identification and characterization of NanH2 and NanH3, enzymes responsible for sialidase activity in the vaginal bacterium Gardnerella vaginalis. Journal of Biological Chemistry, 2019, 294, 5230-5245.	1.6	47
22	NeuA Sialic Acid O-Acetylesterase Activity Modulates O-Acetylation of Capsular Polysaccharide in Group B Streptococcus. Journal of Biological Chemistry, 2007, 282, 27562-27571.	1.6	45
23	Relationship between nugent score and vaginal epithelial exfoliation. PLoS ONE, 2017, 12, e0177797.	1.1	42
24	Genetic and biochemical modulation of sialic acid O-acetylation on group B Streptococcus: Phenotypic and functional impact. Glycobiology, 2009, 19, 1204-1213.	1.3	39
25	O-Acetylation of sialic acid on Group BStreptococcusinhibits neutrophil suppression and virulence. Biochemical Journal, 2010, 428, 163-168.	1.7	36
26	Evolutionary inactivation of a sialidase in group B Streptococcus. Scientific Reports, 2016, 6, 28852.	1.6	31
27	Glycan cross-feeding supports mutualism between Fusobacterium and the vaginal microbiota. PLoS Biology, 2020, 18, e3000788.	2.6	30
28	Impact of Host Age and Parity on Susceptibility to Severe Urinary Tract Infection in a Murine Model. PLoS ONE, 2014, 9, e97798.	1.1	25
29	Roles of the vagina and the vaginal microbiota in urinary tract infection: evidence from clinical correlations and experimental models. GMS Infectious Diseases, 2020, 8, Doc02.	0.5	22
30	Genomic and Metabolic Profiling of Nonulosonic Acids in Vibrionaceae Reveal Biochemical Phenotypes of Allelic Divergence in Vibrio vulnificus. Applied and Environmental Microbiology, 2011, 77, 5782-5793.	1.4	21
31	Expression of sialic acids and other nonulosonic acids in Leptospira. BMC Microbiology, 2012, 12, 161.	1.3	21
32	Gardnerella vaginalis promotes group B Streptococcus vaginal colonization, enabling ascending uteroplacental infection in pregnant mice. American Journal of Obstetrics and Gynecology, 2021, 224, 530.e1-530.e17.	0.7	20
33	Host-Like Carbohydrates Promote Bloodstream Survival of Vibrio vulnificusIn Vivo. Infection and Immunity, 2015, 83, 3126-3136.	1.0	19
34	Vaginal sialoglycan foraging byGardnerella vaginalis: mucus barriers as a meal for unwelcome guests?. Glycobiology, 2021, 31, 667-680.	1.3	19
35	Low-dose inoculation of Escherichia coli achieves robust vaginal colonization and results in ascending infection accompanied by severe uterine inflammation in mice. PLoS ONE, 2019, 14, e0219941.	1.1	14
36	Discovery and characterization ofde novosialic acid biosynthesis in the phylumFusobacterium. Glycobiology, 2016, 26, 1107-1119.	1.3	12

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37	The structure and diversity of strain-level variation in vaginal bacteria. Microbial Genomics, 2021, 7, .	1.0	11
38	Gram-Positive Uropathogens, Polymicrobial Urinary Tract Infection, and the Emerging Microbiota of the Urinary Tract. , 0, , 459-502.		9
39	Genome Sequences of 15 Gardnerella vaginalis Strains Isolated from the Vaginas of Women with and without Bacterial Vaginosis. Genome Announcements, 2016, 4, .	0.8	9
40	Aerococcus urinae Isolated from Women with Lower Urinary Tract Symptoms: In Vitro Aggregation and Genome Analysis. Journal of Bacteriology, 2020, 202, .	1.0	9
41	Genome Sequences of 11 Human Vaginal Actinobacteria Strains. Genome Announcements, 2016, 4, .	0.8	7
42	Covert pathogenesis: Transient exposures to microbes as triggers of disease. PLoS Pathogens, 2019, 15, e1007586.	2.1	7
43	Recurrent Escherichia coli Urinary Tract Infection Triggered by Gardnerella vaginalis Bladder Exposure in Mice. Journal of Visualized Experiments, 2020, , .	0.2	7
44	A mouse model displays host and bacterial strain differences in Aerococcus urinae urinary tract infection. Biology Open, 2021, 10, .	0.6	6
45	Bladder Exposure to Gardnerella Activates Host Pathways Necessary for Escherichia coli Recurrent UTI. Frontiers in Cellular and Infection Microbiology, 2021, 11, 788229.	1.8	6
46	Gardnerella Exposures Alter Bladder Gene Expression and Augment Uropathogenic Escherichia coli Urinary Tract Infection in Mice. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	6
47	Genome Sequences of 12 Bacterial Isolates Obtained from the Urine of Pregnant Women. Genome Announcements, 2016, 4, .	0.8	3
48	Structural and functional characterization of a modified legionaminic acid involved in glycosylation of a bacterial lipopolysaccharide. Journal of Biological Chemistry, 2018, 293, 19113-19126.	1.6	3
49	Evolutionary Considerations in Studying the Sialome: Sialic Acids and the Host-Pathogen Interface. , 0, , 69-88.		2
50	Genome Sequences of Nine Gram-Negative Vaginal Bacterial Isolates. Genome Announcements, 2016, 4, .	0.8	1
51	Genome Sequences of 14 Firmicutes Strains Isolated from the Human Vagina. Genome Announcements, 2016, 4, .	0.8	1
52	A New Catalog of Microbiological Tools for Women's Infectious Disease Research. Genome Announcements, 2016, 4, .	0.8	0
53	Glycan cross-feeding supports mutualism between Fusobacterium and the vaginal microbiota. , 2020, 18, e3000788.		0
54	Glycan cross-feeding supports mutualism between Fusobacterium and the vaginal microbiota. , 2020, 18, e3000788.		0

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55	Glycan cross-feeding supports mutualism between Fusobacterium and the vaginal microbiota. , 2020, 18, e3000788.		0
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58	Glycan cross-feeding supports mutualism between Fusobacterium and the vaginal microbiota. , 2020, 18, e3000788.		0