

Nina R Salama

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

3,224
citations

218677

26
h-index

302126

39
g-index

57
all docs

57
docs citations

57
times ranked

3980
citing authors

#	ARTICLE	IF	CITATIONS
1	Life in the human stomach: persistence strategies of the bacterial pathogen <i>Helicobacter pylori</i> . <i>Nature Reviews Microbiology</i> , 2013, 11, 385-399.	28.6	530
2	<i>Helicobacter pylori</i> strain-specific differences in genetic content, identified by microarray, influence host inflammatory responses. <i>Journal of Clinical Investigation</i> , 2001, 107, 611-620.	8.2	308
3	Peptidoglycan Crosslinking Relaxation Promotes <i>Helicobacter pylori</i> 's Helical Shape and Stomach Colonization. <i>Cell</i> , 2010, 141, 822-833.	28.9	240
4	Staying in Shape: the Impact of Cell Shape on Bacterial Survival in Diverse Environments. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 187-203.	6.6	227
5	<i>Helicobacter pylori</i> enter and survive within multivesicular vacuoles of epithelial cells. <i>Cellular Microbiology</i> , 2002, 4, 677-690.	2.1	178
6	Multiple Peptidoglycan Modification Networks Modulate <i>Helicobacter pylori</i> 's Cell Shape, Motility, and Colonization Potential. <i>PLoS Pathogens</i> , 2012, 8, e1002603.	4.7	125
7	TIFA Signaling in Gastric Epithelial Cells Initiates the <i>cag</i> Type 4 Secretion System-Dependent Innate Immune Response to <i>Helicobacter pylori</i> Infection. <i>MBio</i> , 2017, 8, .	4.1	109
8	Bacterial Composition of the Human Upper Gastrointestinal Tract Microbiome Is Dynamic and Associated with Genomic Instability in a Barrett's Esophagus Cohort. <i>PLoS ONE</i> , 2015, 10, e0129055.	2.5	107
9	DNA Damage Triggers Genetic Exchange in <i>Helicobacter pylori</i> . <i>PLoS Pathogens</i> , 2010, 6, e1001026.	4.7	103
10	The gram-negative bacterial periplasm: Size matters. <i>PLoS Biology</i> , 2018, 16, e2004935.	5.6	102
11	<i>Helicobacter pylori</i> AddAB helicase-nuclease and RecA promote recombination-related DNA repair and survival during stomach colonization. <i>Molecular Microbiology</i> , 2008, 69, 994-1007.	2.5	91
12	<i>Helicobacter pylori</i> 's Unconventional Role in Health and Disease. <i>PLoS Pathogens</i> , 2009, 5, e1000544.	4.7	89
13	Redefining bacterial populations: a post-genomic reformation. <i>Nature Reviews Genetics</i> , 2002, 3, 462-473.	16.3	87
14	<i>Helicobacter pylori</i> outer membrane protein HopQ identified as a novel T4SS-associated virulence factor. <i>Cellular Microbiology</i> , 2013, 15, n/a-n/a.	2.1	84
15	The role of coat proteins in the biosynthesis of secretory proteins. <i>Current Opinion in Cell Biology</i> , 1995, 7, 536-543.	5.4	75
16	Flow cytometry-based enrichment for cell shape mutants identifies multiple genes that influence <i>Helicobacter pylori</i> morphology. <i>Molecular Microbiology</i> , 2013, 90, 869-883.	2.5	73
17	Recombination and DNA Repair in <i>Helicobacter pylori</i> . <i>Annual Review of Microbiology</i> , 2011, 65, 329-348.	7.3	68
18	Beyond growth: novel functions for bacterial cell wall hydrolases. <i>Trends in Microbiology</i> , 2012, 20, 540-547.	7.7	53

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19	Characterization of <i>Helicobacter pylori</i> factors that control transformation frequency and integration length during inter-strain DNA recombination. <i>Molecular Microbiology</i> , 2011, 79, 387-401.	2.5	51
20	Regulation of <i>Helicobacter pylori</i> adherence by gene conversion. <i>Molecular Microbiology</i> , 2012, 84, 1050-1061.	2.5	51
21	Natural Competence Promotes <i>Helicobacter pylori</i> Chronic Infection. <i>Infection and Immunity</i> , 2013, 81, 209-215.	2.2	51
22	Distinct cytoskeletal proteins define zones of enhanced cell wall synthesis in <i>Helicobacter pylori</i> . <i>ELife</i> , 2020, 9, .	6.0	51
23	Droplet Digital PCR-Based Detection of Clarithromycin Resistance in <i>Helicobacter pylori</i> Isolates Reveals Frequent Heteroresistance. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	3.9	49
24	Quantitative Detection and Genotyping of <i>Helicobacter pylori</i> from Stool using Droplet Digital PCR Reveals Variation in Bacterial Loads that Correlates with <i>cagA</i> Virulence Gene Carriage. <i>Helicobacter</i> , 2016, 21, 325-333.	3.5	37
25	New Approaches for Validation of Lethal Phenotypes and Genetic Reversion in <i>Helicobacter pylori</i> . <i>Helicobacter</i> , 2001, 6, 15-23.	3.5	35
26	Dual Nuclease and Helicase Activities of <i>Helicobacter pylori</i> AddAB Are Required for DNA Repair, Recombination, and Mouse Infectivity. <i>Journal of Biological Chemistry</i> , 2009, 284, 16759-16766.	3.4	28
27	The <i>Helicobacter pylori</i> cell shape promoting protein Csd5 interacts with the cell wall, MurF, and the bacterial cytoskeleton. <i>Molecular Microbiology</i> , 2018, 110, 114-127.	2.5	26
28	Bent Bacteria: A Comparison of Cell Shape Mechanisms in <i>Proteobacteria</i> . <i>Annual Review of Microbiology</i> , 2019, 73, 457-480.	7.3	25
29	A Genome-Wide <i>Helicobacter pylori</i> Morphology Screen Uncovers a Membrane-Spanning Helical Cell Shape Complex. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	25
30	Genomics of <i>Helicobacter</i> 2003. <i>Helicobacter</i> , 2003, 8, 1-7.	3.5	22
31	High prevalence of <i>Helicobacter pylori</i> clarithromycin resistance mutations among Seattle patients measured by droplet digital PCR. <i>Helicobacter</i> , 2018, 23, e12472.	3.5	21
32	Helical Shape of <i>Helicobacter pylori</i> Requires an Atypical Glutamine as a Zinc Ligand in the Carboxypeptidase Csd4. <i>Journal of Biological Chemistry</i> , 2015, 290, 3622-3638.	3.4	17
33	Genomic clues for defining bacterial pathogenicity. <i>Microbes and Infection</i> , 1999, 1, 615-619.	1.9	16
34	Nonhelical <i>Helicobacter pylori</i> Mutants Show Altered Gland Colonization and Elicit Less Gastric Pathology than Helical Bacteria during Chronic Infection. <i>Infection and Immunity</i> , 2019, 87, .	2.2	15
35	Analysis of a single <i>Helicobacter pylori</i> strain over a 10-year period in a primate model. <i>International Journal of Medical Microbiology</i> , 2015, 305, 392-403.	3.6	13
36	Seeking completeness in bacterial mutant hunts. <i>Current Opinion in Microbiology</i> , 2006, 9, 307-311.	5.1	12

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37	Increased <i>H. pylori</i> stool shedding and EPIYA-D <i>cagA</i> alleles are associated with gastric cancer in an East Asian hospital. <i>PLoS ONE</i> , 2018, 13, e0202925.	2.5	12
38	Sustained <i>Helicobacter pylori</i> infection accelerates gastric dysplasia in a mouse model. <i>Life Science Alliance</i> , 2021, 4, e202000967.	2.8	9
39	<i>Helicobacter pylori</i> diversification during chronic infection within a single host generates sub-populations with distinct phenotypes. <i>PLoS Pathogens</i> , 2020, 16, e1008686.	4.7	7
40	<i>Helicobacter Pylori</i> whole genome microarray identifies differences in genetic composition related to pathogenesis among strains that induce distinct clinical outcomes. <i>Gastroenterology</i> , 2001, 120, A100.	1.3	0
41	Characterization of phenotypic and genotypic evolution among isolates of <i>Helicobacter pylori</i> strain J99 obtained years apart from the source human host. <i>Gastroenterology</i> , 2001, 120, A725.	1.3	0
42	Evolution of the <i>VacA</i> toxin of <i>Helicobacter pylori</i> in the human stomach. <i>Gastroenterology</i> , 2003, 124, A272.	1.3	0
43	T1794 Effect of Long Term <i>H. pylori</i> Colonization and a Chemical Carcinogen On Bacterial Genetic Diversity During a 5-Year Experimental Study in Rhesus Monkeys. <i>Gastroenterology</i> , 2008, 134, A-565.	1.3	0
44	T1799 Genotypic and Phenotypic Profiling of <i>Helicobacter pylori</i> (HP) Strains from Symptomatic North American Children Reveals High Prevalence of Strains Lacking Adult HP Virulence Markers But Strong Association of <i>cag PAI</i> and Ulcer Disease. <i>Gastroenterology</i> , 2008, 134, A-566.	1.3	0
45	M1098 Increased Rates of Peptic Ulcer Disease (PUD) and <i>Helicobacter pylori</i> (HP) Related Hospitalizations in U.S. Children: A 15 Year Analysis. <i>Gastroenterology</i> , 2008, 134, A-337.	1.3	0
46	885 Effect of Long Term Colonization on <i>H. pylori</i> Adhesin Expression in the Primate Stomach. <i>Gastroenterology</i> , 2010, 138, S-124.	1.3	0
47	Mo1953 Genetic Diversity of a Single <i>H. pylori</i> Strain Over a Five-Year Period in a Primate Model: Effect of Long Term Colonization and of a Dietary Carcinogen. <i>Gastroenterology</i> , 2013, 144, S-703.	1.3	0
48	<i>Helicobacter pylori</i> Csd4 is a peptidoglycan metalloprotease. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C442-C442.	0.1	0
49	Title is missing!. , 2020, 16, e1008686.		0
50	Title is missing!. , 2020, 16, e1008686.		0
51	Title is missing!. , 2020, 16, e1008686.		0
52	Title is missing!. , 2020, 16, e1008686.		0