Ellen L Zechner

List of Publications by Year
in descending order

64	3,116	159585 30	168389 53
papers	citations	h-index	g-index

66	66	66	3198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toxinâ€Producing Klebsiella oxytoca in Healthy Infants. Journal of Pediatric Gastroenterology and Nutrition, 2022, 74, .	1.8	9
2	Bacterial Indole as a Multifunctional Regulator of Klebsiella oxytoca Complex Enterotoxicity. MBio, 2022, 13, e0375221.	4.1	14
3	Simultaneous quantification of enterotoxins tilimycin and tilivalline in biological matrices using HPLC high resolution ESMS2 based on isotopically 15N-labeled internal standards. Talanta, 2021, 222, 121677.	5.5	7
4	Variation in Accessory Genes Within the Klebsiella oxytoca Species Complex Delineates Monophyletic Members and Simplifies Coherent Genotyping. Frontiers in Microbiology, 2021, 12, 692453.	3.5	12
5	Making and Breaking Leupeptin Protease Inhibitors in Pathogenic Gammaproteobacteria. Angewandte Chemie - International Edition, 2020, 59, 17872-17880.	13.8	15
6	Making and Breaking Leupeptin Protease Inhibitors in Pathogenic Gammaproteobacteria. Angewandte Chemie, 2020, 132, 18028-18036.	2.0	0
7	1H, 13C, 15N resonance assignment of the C-terminal domain of the bifunctional enzyme TraI of plasmid R1. Biomolecular NMR Assignments, 2019, 13, 121-125.	0.8	0
8	Klebsiella oxytoca enterotoxins tilimycin and tilivalline have distinct host DNA-damaging and microtubule-stabilizing activities. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3774-3783.	7.1	45
9	Tilivalline- and Tilimycin-Independent Effects of Klebsiella oxytoca on Tight Junction-Mediated Intestinal Barrier Impairment. International Journal of Molecular Sciences, 2019, 20, 5595.	4.1	19
10	Inflammatory disease caused by intestinal pathobionts. Current Opinion in Microbiology, 2017, 35, 64-69.	5.1	60
11	Cryo-EM Structure of a Relaxase Reveals the Molecular Basis of DNA Unwinding during Bacterial Conjugation. Cell, 2017, 169, 708-721.e12.	28.9	56
12	Biosynthesis of the Enterotoxic Pyrrolobenzodiazepine Natural Product Tilivalline. Angewandte Chemie - International Edition, 2017, 56, 14753-14757.	13.8	55
13	Biosynthese des enterotoxischen Pyrrolobenzodiazepinâ€Naturstoffs Tilivallin. Angewandte Chemie, 2017, 129, 14948-14952.	2.0	3
14	Causes of hematochezia and hemorrhagic antibiotic-associated colitis in children and adolescents. Medicine (United States), 2017, 96, e7793.	1.0	9
15	Relaxases and Plasmid Transfer in Gram-Negative Bacteria. Current Topics in Microbiology and Immunology, 2017, 413, 93-113.	1.1	35
16	Fic Proteins of Campylobacter fetus subsp. venerealis Form a Network of Functional Toxinâ€“Antitoxin Systems. Frontiers in Microbiology, 2017, 8, 1965.	3.5	13
17	Helicobacter pylori â˜†. , 2017, , .		1
18	Conjugative DNA Transfer Is Enhanced by Plasmid R1 Partitioning Proteins. Frontiers in Molecular Biosciences, 2016, 3, 32.	3.5	26

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19	Gastric Helicobacter pylori Infection Affects Local and Distant Microbial Populations and Host Responses. Cell Reports, 2016, 14, 1395-1407.	6.4	122
20	The Toxin-Producing Pathobiont Klebsiella oxytoca Is Not Associated with Flares of Inflammatory Bowel Diseases. Digestive Diseases and Sciences, 2015, 60, 3393-3398.	2.3	16
21	Common Requirement for the Relaxosome of Plasmid R1 in Multiple Activities of the Conjugative Type IV Secretion System. Journal of Bacteriology, 2014, 196, 2108-2121.	2.2	12
22	Enterotoxicity of a nonribosomal peptide causes antibiotic-associated colitis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13181-13186.	7.1	96
23	TrhR,TrhYandHtdA, a novel regulatory circuit that modulates conjugation of theIncHIplasmids. Molecular Microbiology, 2014, 94, 1146-1161.	2.5	10
24	Genotypes of Klebsiella oxytoca Isolates from Patients with Nosocomial Pneumonia Are Distinct from Those of Isolates from Patients with Antibiotic-Associated Hemorrhagic Colitis. Journal of Clinical Microbiology, 2014, 52, 1607-1616.	3.9	69
25	Type 1 Fimbriae Contribute to Catheter-Associated Urinary Tract Infections Caused by Escherichia coli. Journal of Bacteriology, 2014, 196, 931-939.	2.2	68
26	Pathogenesis of Campylobacter fetus. , 2014, , 401-428.		19
27	Comparative Genome Analysis of Campylobacter fetus Subspecies Revealed Horizontally Acquired Genetic Elements Important for Virulence and Niche Specificity. PLoS ONE, 2014, 9, e85491.	2.5	33
28	A Translocation Motif in Relaxase TrwC Specifically Affects Recruitment by Its Conjugative Type IV Secretion System. Journal of Bacteriology, 2013, 195, 4999-5006.	2.2	36
29	Structure of a translocation signal domain mediating conjugative transfer by type <scp>IV</scp> secretion systems. Molecular Microbiology, 2013, 89, 324-333.	2.5	40
30	Assembly and mechanisms of bacterial type IV secretion machines. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1073-1087.	4.0	142
31	So close and yet so far â€" Molecular microbiology ofCampylobacter fetussubspecies. European Journal of Microbiology and Immunology, 2012, 2, 66-75.	2.8	23
32	General requirements for protein secretion by the F-like conjugation system R1. Plasmid, 2012, 67, 128-138.	1.4	25
33	In situ monitoring of IncF plasmid transfer on semi-solid agar surfaces reveals a limited invasion of plasmids in recipient colonies. Plasmid, 2012, 67, 155-161.	1.4	33
34	An activation domain of plasmid R1 TraI protein delineates stages of gene transfer initiation. Molecular Microbiology, 2011, 82, 1071-1085.	2.5	46
35	New molecular microbiology approaches in the study of Campylobacter fetus. Microbial Biotechnology, 2011, 4, 8-19.	4.2	5
36	Functional analysis of the finO distal region of plasmid R1. Plasmid, 2011, 65, 159-168.	1.4	6

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37	The transfer operon of plasmid R1 extends beyond finO into the downstream replication genes. Plasmid, 2011, 65, 150-158.	1.4	6
38	Interbacterial Macromolecular Transfer by the Campylobacter fetus subsp. venerealis Type IV Secretion System. Journal of Bacteriology, 2011, 193, 744-758.	2.2	27
39	Conjugative DNA metabolism in Gram-negative bacteria. FEMS Microbiology Reviews, 2010, 34, 18-40.	8.6	318
40	Molecular recognition determinants for type IV secretion of diverse families of conjugative relaxases. Molecular Microbiology, 2010, 78, 1539-1555.	2.5	57
41	Antibiotic-Associated Hemorrhagic Colitis Caused by Cytotoxin-Producing Klebsiella oxytoca. Pediatrics, 2010, 125, e960-e963.	2.1	48
42	Cytotoxic Effects of Klebsiella oxytoca Strains Isolated from Patients with Antibiotic-Associated Hemorrhagic Colitis or Other Diseases Caused by Infections and from Healthy Subjects. Journal of Clinical Microbiology, 2010, 48, 817-824.	3.9	49
43	A Genomic Island Defines Subspecies-Specific Virulence Features of the Host-Adapted Pathogen Campylobacter fetus subsp. venerealis. Journal of Bacteriology, 2010, 192, 502-517.	2.2	41
44	Plasmid R1 Conjugative DNA Processing Is Regulated at the Coupling Protein Interface. Journal of Bacteriology, 2009, 191, 6877-6887.	2.2	33
45	Protein and DNA Effectors Control the TraI Conjugative Helicase of Plasmid R1. Journal of Bacteriology, 2009, 191, 6888-6899.	2.2	27
46	Development of Experimental Genetic Tools for Campylobacter fetus. Applied and Environmental Microbiology, 2007, 73, 4619-4630.	3.1	18
47	Determination of specific DNA strand discontinuities with nucleotide resolution in exponentionally growing bacteria harboring rolling circle-replicating plasmids. FEMS Microbiology Letters, 2006, 152, 363-369.	1.8	19
48	General Mutagenesis of F Plasmid TraI Reveals Its Role in Conjugative Regulation. Journal of Bacteriology, 2006, 188, 6346-6353.	2.2	34
49	In Vitro Biofilm Formation of Commensal and Pathogenic Escherichia coli Strains: Impact of Environmental and Genetic Factors. Journal of Bacteriology, 2006, 188, 3572-3581.	2.2	182
50	Synergistic Effects in Mixed Escherichia coli Biofilms: Conjugative Plasmid Transfer Drives Biofilm Expansion. Journal of Bacteriology, 2006, 188, 3582-3588.	2.2	124
51	Unsaturated fatty acids are inhibitors of bacterial conjugation. Microbiology (United Kingdom), 2005, 151, 3517-3526.	1.8	100
52	Concomitant Reconstitution of TraI-catalyzed DNA Transesterase and DNA Helicase Activity in Vitro. Journal of Biological Chemistry, 2004, 279, 45477-45484.	3.4	12
53	Development and maturation of Escherichia coli K-12 biofilms. Molecular Microbiology, 2003, 48, 933-946.	2.5	303
54	Species-Specific Identification of Campylobacters by Partial 16S rRNA Gene Sequencing. Journal of Clinical Microbiology, 2003, 41, 2537-2546.	3.9	90

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55	Extent of Single-stranded DNA Required for Efficient TraI Helicase Activity in Vitro. Journal of Biological Chemistry, 2003, 278, 48696-48703.	3.4	15
56	Transmission of Campylobacter hyointestinalis from a Pig to a Human. Journal of Clinical Microbiology, 2002, 40, 2601-2605.	3.9	67
57	TraG-Like Proteins of DNA Transfer Systems and of the Helicobacter pylori Type IV Secretion System: Inner Membrane Gate for Exported Substrates?. Journal of Bacteriology, 2002, 184, 2767-2779.	2.2	148
58	Recombinogenic engineering of conjugative plasmids with fluorescent marker cassettes. FEMS Microbiology Ecology, 2002, 42, 251-259.	2.7	27
59	Transfer Protein TraY of Plasmid R1 Stimulates TraI-Catalyzed oriT Cleavage In Vivo. Journal of Bacteriology, 2001, 183, 909-914.	2.2	25
60	In vivo definition of the functional origin of leading strand replication on the lactococcal plasmid pFX2. Molecular Genetics and Genomics, 1998, 260, 38-47.	2.4	8
61	Transfer protein TraM stimulates TraI-catalyzed cleavage of the transfer origin of plasmid R1 in vivo 1 1Edited by B. Holland. Journal of Molecular Biology, 1998, 275, 81-94.	4.2	45
62	Signal transduction and bacterial conjugation: characterization of the role of ArcA in regulating conjugative transfer of the resistance plasmid R1. Journal of Molecular Biology, 1998, 277, 309-316.	4.2	58
63	TraM of plasmid R1 controls transfer gene expression as an integrated control element in a complex regulatory network. Molecular Microbiology, 1997, 25, 495-507.	2.5	50
64	Determination of specific DNA strand discontinuities with nucleotide resolution in exponentionally growing bacteria harboring rolling circle-replicating plasmids. FEMS Microbiology Letters, 1997, 152, 363-369.	1.8	2