

# Louise M Judd

## List of Publications by Year in descending order

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78  
papers

12,546  
citations

87843

38  
h-index

74108

75  
g-index

109  
all docs

109  
docs citations

109  
times ranked

15395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unicycler: Resolving bacterial genome assemblies from short and long sequencing reads. PLoS Computational Biology, 2017, 13, e1005595.	1.5	5,135
2	Performance of neural network basecalling tools for Oxford Nanopore sequencing. Genome Biology, 2019, 20, 129.	3.8	1,971
3	Completing bacterial genome assemblies with multiplex MinION sequencing. Microbial Genomics, 2017, 3, e000132.	1.0	559
4	Hyperactivation of Stat3 in gp130 mutant mice promotes gastric hyperproliferation and desensitizes TGF- $\beta$ signaling. Nature Medicine, 2005, 11, 845-852.	15.2	284
5	Distinct evolutionary dynamics of horizontal gene transfer in drug resistant and virulent clones of <i>Klebsiella pneumoniae</i> . PLoS Genetics, 2019, 15, e1008114.	1.5	228
6	Population genomics of hypervirulent <i>Klebsiella pneumoniae</i> clonal-group 23 reveals early emergence and rapid global dissemination. Nature Communications, 2018, 9, 2703.	5.8	205
7	Genetic diversity, mobilisation and spread of the yersiniabactin-encoding mobile element ICEKp in <i>Klebsiella pneumoniae</i> populations. Microbial Genomics, 2018, 4, .	1.0	197
8	Genomic surveillance for hypervirulence and multi-drug resistance in invasive <i>Klebsiella pneumoniae</i> from South and Southeast Asia. Genome Medicine, 2020, 12, 11.	3.6	178
9	Tricycler: consensus long-read assemblies for bacterial genomes. Genome Biology, 2021, 22, 266.	3.8	175
10	Deepbiner: Demultiplexing barcoded Oxford Nanopore reads with deep convolutional neural networks. PLoS Computational Biology, 2018, 14, e1006583.	1.5	171
11	Inactivation of IL11 Signaling Causes Craniosynostosis, Delayed Tooth Eruption, and Supernumerary Teeth. American Journal of Human Genetics, 2011, 89, 67-81.	2.6	164
12	Gastric cancer development in mice lacking the SHP2 binding site on the IL-6 family co-receptor gp130. Gastroenterology, 2004, 126, 196-207.	0.6	163
13	Impaired Renal NaCl Absorption in Mice Lacking the ROMK Potassium Channel, a Model for Type II Bartter's Syndrome. Journal of Biological Chemistry, 2002, 277, 37871-37880.	1.6	160
14	Tracking key virulence loci encoding aerobactin and salmochelin siderophore synthesis in <i>Klebsiella pneumoniae</i> . Genome Medicine, 2018, 10, 77.	3.6	153
15	Airway Microbiota Dynamics Uncover a Critical Window for Interplay of Pathogenic Bacteria and Allergy in Childhood Respiratory Disease. Cell Host and Microbe, 2018, 24, 341-352.e5.	5.1	146
16	Emergence and rapid global dissemination of CTX-M-15-associated <i>Klebsiella pneumoniae</i> strain ST307. Journal of Antimicrobial Chemotherapy, 2019, 74, 577-581.	1.3	137
17	Gastric H <sup>+</sup> , K <sup>+</sup> -adenosine triphosphatase $\beta$ subunit is required for normal function, development, and membrane structure of mouse parietal cells. Gastroenterology, 1999, 117, 605-618.	0.6	136
18	<i>Helicobacter pylori</i> Infection Promotes Methylation and Silencing of Trefoil Factor 2, Leading to Gastric Tumor Development in Mice and Humans. Gastroenterology, 2010, 139, 2005-2017.	0.6	133

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19	Mice with a Targeted Disruption of the AE2 Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> Exchanger Are Achlorhydric. <i>Journal of Biological Chemistry</i> , 2004, 279, 30531-30539.	1.6	129
20	Microbiome profiling reveals gut dysbiosis in a transgenic mouse model of Huntington's disease. <i>Neurobiology of Disease</i> , 2020, 135, 104268.	2.1	118
21	STAT3 Activation Regulates Growth, Inflammation, and Vascularization in a Mouse Model of Gastric Tumorigenesis. <i>Gastroenterology</i> , 2006, 131, 1073-1085.	0.6	117
22	Antimicrobial-Resistant <i>Klebsiella pneumoniae</i> Carriage and Infection in Specialized Geriatric Care Wards Linked to Acquisition in the Referring Hospital. <i>Clinical Infectious Diseases</i> , 2018, 67, 161-170.	2.9	108
23	The MUC1 mucin protects against <i>Helicobacter pylori</i> pathogenesis in mice by regulation of the NLRP3 inflammasome. <i>Gut</i> , 2016, 65, 1087-1099.	6.1	95
24	Convergence of virulence and MDR in a single plasmid vector in MDR <i>Klebsiella pneumoniae</i> ST15. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1218-1222.	1.3	93
25	Targeting STAT3 in gastric cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2012, 16, 889-901.	1.5	82
26	The Interleukin-6 Family Cytokine Interleukin-11 Regulates Homeostatic Epithelial Cell Turnover and Promotes Gastric Tumor Development. <i>Gastroenterology</i> , 2009, 136, 967-977.e3.	0.6	79
27	Inhibition of the JAK2/STAT3 Pathway Reduces Gastric Cancer Growth In Vitro and In Vivo. <i>PLoS ONE</i> , 2014, 9, e95993.	1.1	77
28	IL33 Is a Stomach Alarmin That Initiates a Skewed Th2 Response to Injury and Infection. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 203-221.e3.	2.3	67
29	Developmental patterns in the nasopharyngeal microbiome during infancy are associated with asthma risk. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1683-1691.	1.5	61
30	<i>Helicobacter pylori</i> CagA Triggers Expression of the Bactericidal Lectin REG3 <sup>β</sup> via Gastric STAT3 Activation. <i>PLoS ONE</i> , 2012, 7, e30786.	1.1	58
31	Regulation of gastric epithelial cell development revealed in H <sup>+</sup> /K <sup>+</sup> -ATPase $\beta$ -subunit- and gastrin-deficient mice. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G1502-G1511.	1.6	57
32	Abnormal Paneth cell granule dissolution and compromised resistance to bacterial colonization in the intestine of CF mice. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 286, G1050-G1058.	1.6	57
33	Differential Regulation of Gastric Tumor Growth by Cytokines That Signal Exclusively Through the Coreceptor gp130. <i>Gastroenterology</i> , 2005, 129, 1005-1018.	0.6	57
34	Gastric achlorhydria in H/K-ATPase-deficient (Atp4a(-/-)) mice causes severe hyperplasia, mucocystic metaplasia and upregulation of growth factors. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2005, 20, 1266-1278.	1.4	54
35	Kaptive 2.0: updated capsule and lipopolysaccharide locus typing for the <i>Klebsiella pneumoniae</i> species complex. <i>Microbial Genomics</i> , 2022, 8, .	1.0	52
36	Genomic dissection of <i>Klebsiella pneumoniae</i> infections in hospital patients reveals insights into an opportunistic pathogen. <i>Nature Communications</i> , 2022, 13, .	5.8	51

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37	Evolution of carbapenem resistance in <i>Acinetobacter baumannii</i> during a prolonged infection. <i>Microbial Genomics</i> , 2018, 4, .	1.0	49
38	Recovery of small plasmid sequences via Oxford Nanopore sequencing. <i>Microbial Genomics</i> , 2021, 7, .	1.0	44
39	Autoimmune gastritis results in disruption of gastric epithelial cell development. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, G209-G218.	1.6	42
40	IL-11 is a parietal cell cytokine that induces atrophic gastritis. <i>Gut</i> , 2012, 61, 1398-1409.	6.1	42
41	Loss of gastrokine-2 drives premalignant gastric inflammation and tumor progression. <i>Journal of Clinical Investigation</i> , 2016, 126, 1383-1400.	3.9	40
42	Silent spread of mobile colistin resistance gene <i>mcr-9.1</i> on IncHI2 $\phi$ -superplasmids <sup>TM</sup> in clinical carbapenem-resistant Enterobacterales. <i>Clinical Microbiology and Infection</i> , 2021, 27, 1856.e7-1856.e13.	2.8	37
43	Immunopathogenesis, loss of T cell tolerance and genetics of autoimmune gastritis. <i>Autoimmunity Reviews</i> , 2002, 1, 290-297.	2.5	36
44	TFF-2 inhibits iNOS/NO in monocytes, and nitrated protein in healing colon after colitis. <i>Peptides</i> , 2004, 25, 803-809.	1.2	27
45	STAT3: a critical component in the response to <i>Helicobacter pylori</i> infection. <i>Cellular Microbiology</i> , 2015, 17, 1570-1582.	1.1	27
46	Protease-activated Receptor 1 Plays a Proinflammatory Role in Colitis by Promoting Th17-related Immunity. <i>Inflammatory Bowel Diseases</i> , 2017, 23, 593-602.	0.9	27
47	Small IncQ1 and Col-Like Plasmids Harboring <i>bla</i> <sub>KPC-2</sub> and Non-Tn 4401 Elements (NTE <sub>KPC</sub> -IIId) in High-Risk Lineages of <i>Klebsiella pneumoniae</i> CG258. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	27
48	A33 antigen-deficient mice have defective colonic mucosal repair. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 604-612.	0.9	26
49	Altered gp130 signalling ameliorates experimental colitis via myeloid cell-specific STAT3 activation and myeloid-derived suppressor cells. <i>Scientific Reports</i> , 2016, 6, 20584.	1.6	23
50	Species interactions constrain adaptation and preserve ecological stability in an experimental microbial community. <i>ISME Journal</i> , 2022, 16, 1442-1452.	4.4	23
51	The inflated mitochondrial genomes of siphonous green algae reflect processes driving expansion of noncoding DNA and proliferation of introns. <i>PeerJ</i> , 2020, 8, e8273.	0.9	21
52	The unique ultrastructure of secretory membranes in gastric parietal cells depends upon the presence of H <sup>+</sup> , K <sup>+</sup> -ATPase. <i>Cell and Tissue Research</i> , 2002, 309, 369-380.	1.5	20
53	Random mutagenesis of the mouse genome: a strategy for discovering gene function and the molecular basis of disease. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G1-G11.	1.6	20
54	TFF2 deficiency exacerbates weight loss and alters immune cell and cytokine profiles in DSS colitis, and this cannot be rescued by wild-type bone marrow. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G12-G24.	1.6	18

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55	Genomic surveillance of antimicrobial resistant bacterial colonisation and infection in intensive care patients. <i>BMC Infectious Diseases</i> , 2021, 21, 683.	1.3	18
56	Complete Genome Sequence of A388, an Antibiotic-Resistant <i>Acinetobacter baumannii</i> Global Clone 1 Isolate from Greece. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	16
57	Growth factors associated with gastric mucosal hypertrophy in autoimmune gastritis. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G910-G918.	1.6	15
58	Insights into the Mechanisms of Gastric Adaptation to Aspirin-Induced Injury: A Role for Regenerating Protein but Not Trefoil Peptides. <i>Laboratory Investigation</i> , 2003, 83, 1415-1425.	1.7	14
59	Cytokine signalling by gp130 regulates gastric mucosal healing after ulceration and, indirectly, antral tumour progression. <i>Journal of Pathology</i> , 2009, 217, 552-562.	2.1	12
60	Insights from the revised complete genome sequences of <i>Acinetobacter baumannii</i> strains AB307-0294 and ACICU belonging to global clones 1 and 2. <i>Microbial Genomics</i> , 2019, 5, .	1.0	12
61	Overexpression of IL-11 promotes premalignant gastric epithelial hyperplasia in isolation from germline gp130-JAK-STAT driver mutations. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G251-G262.	1.6	11
62	A curated collection of <i>Klebsiella</i> metabolic models reveals variable substrate usage and gene essentiality. <i>Genome Research</i> , 2022, , .	2.4	10
63	<i>Klebsiella</i> MALDI TypeR: a web-based tool for <i>Klebsiella</i> identification based on MALDI-TOF mass spectrometry. <i>Research in Microbiology</i> , 2021, 172, 103835.	1.0	9
64	wMel <i>Wolbachia</i> genome remains stable after 7 years in Australian <i>Aedes aegypti</i> field populations. <i>Microbial Genomics</i> , 2021, 7, .	1.0	9
65	Novel strains of <i>Klebsiella africana</i> and <i>Klebsiella pneumoniae</i> in Australian fruit bats ( <i>Pteropus</i> ) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	1.0	8
66	Z/11 Hybrid Virulence Plasmids Carrying Antimicrobial Resistance genes in <i>S. Typhimurium</i> from Australian Food Animal Production. <i>Microorganisms</i> , 2019, 7, 299.	1.6	7
67	Whole genome sequence analysis of <i>Salmonella</i> Typhi in Papua New Guinea reveals an established population of genotype 2.1.7 sensitive to antimicrobials. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010306.	1.3	6
68	Loss of RegI in conjunction with gastrin deficiency in mice facilitates efficient gastric ulcer healing but is dispensable for hyperplasia and tumourigenesis. <i>Regulatory Peptides</i> , 2010, 160, 9-18.	1.9	5
69	IL-1RT1 signaling antagonizes IL-11 induced STAT3 dependent cardiac and antral stomach tumor development through myeloid cell enrichment. <i>Oncotarget</i> , 2015, 6, 679-695.	0.8	5
70	Genomic Diversity and Antimicrobial Resistance of <i>Haemophilus</i> Colonizing the Airways of Young Children with Cystic Fibrosis. <i>MSystems</i> , 2021, 6, e0017821.	1.7	4
71	Broadening our Understanding of the Immune Landscape in Lynch Syndrome. <i>Gastroenterology</i> , 2022, 162, 1024-1025.	0.6	3
72	Linear plasmids in <i>Klebsiella</i> and other Enterobacteriaceae. <i>Microbial Genomics</i> , 2022, 8, .	1.0	3

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73	Transmission of <i>Klebsiella</i> strains and plasmids within and between grey-headed flying fox colonies. <i>Environmental Microbiology</i> , 2022, 24, 4425-4436.	1.8	3
74	RUNX3 methylation and anti-tumor immunity. <i>Oncoscience</i> , 2015, 2, 789-790.	0.9	2
75	Requirements for autoimmune responses to mouse gastric autoantigens. <i>Immunology</i> , 2001, 104, 392-401.	2.0	1
76	Genetic Models of Gastric Cancer in the Mouse. , 2009, , 483-512.		1
77	Block, Blood or Both? Outcomes, Opportunities, and Barriers in Colorectal Cancer Universal Testing. <i>Clinical Gastroenterology and Hepatology</i> , 2021, , .	2.4	0
78	Insights Into the Cell Biology, Development and Pathology of the Gastric Mucosa Revealed in Gastric H/K ATPase and Gastrin-Deficient Mice. , 2002, , 147-157.		0