Jian-Hua Liu

List of Publications by Year
in descending order

78 papers	7,802 citations	126907 33 h-index	66911 78 g-index
79 all docs	79 docs citations	79 times ranked	7384 citing authors

#	Article	IF	Citations
1	Emergence of plasmid-mediated colistin resistance mechanism MCR-1 in animals and human beings in China: a microbiological and molecular biological study. Lancet Infectious Diseases, The, 2016, 16, 161-168.	9.1	4,130
2	Prevalence, risk factors, outcomes, and molecular epidemiology of mcr-1 -positive Enterobacteriaceae in patients and healthy adults from China: an epidemiological and clinical study. Lancet Infectious Diseases, The, 2017, 17, 390-399.	9.1	298
3	Carbapenem-resistant and colistin-resistant Escherichia coli co-producing NDM-9 and MCR-1. Lancet Infectious Diseases, The, 2016, 16, 288-289.	9.1	214
4	Emergence of a Plasmid-Encoded Resistance-Nodulation-Division Efflux Pump Conferring Resistance to Multiple Drugs, Including Tigecycline, in Klebsiella pneumoniae. MBio, 2020, 11, .	4.1	153
5	Dissemination of the mcr-1 colistin resistance gene. Lancet Infectious Diseases, The, 2016, 16, 292-293.	9.1	151
6	Prevalence and characterisation of CTX-M Î²-lactamases amongst Escherichia coli isolates from healthy food animals in China. International Journal of Antimicrobial Agents, 2012, 39, 305-310.	2.5	142
7	Dissemination of the Fosfomycin Resistance Gene fosA3 with CTX-M Î²-Lactamase Genes and rmtB Carried on IncFII Plasmids among Escherichia coli Isolates from Pets in China. Antimicrobial Agents and Chemotherapy, 2012, 56, 2135-2138.	3.2	134
8	Prevalence and Dissemination of oqxAB in Escherichia coli Isolates from Animals, Farmworkers, and the Environment. Antimicrobial Agents and Chemotherapy, 2010, 54, 4219-4224.	3.2	130
9	Detection and characterisation of CTX-M and CMY-2 Î²-lactamases among Escherichia coli isolates from farm animals in Guangdong Province of China. International Journal of Antimicrobial Agents, 2007, 29, 576-581.	2.5	109
10	Increasing prevalence of extended-spectrum cephalosporin-resistant Escherichia coli in food animals and the diversity of CTX-M genotypes during 2003â€“2012. Veterinary Microbiology, 2014, 172, 534-541.	1.9	103
11	Fitness Advantage of mcr-1â€“Bearing IncI2 and IncX4 Plasmids in Vitro. Frontiers in Microbiology, 2018, 9, 331.	3.5	101
12	Proposal for assignment of allele numbers for mobile colistin resistance (mcr) genes. Journal of Antimicrobial Chemotherapy, 2018, 73, 2625-2630.	3.0	101
13	Structural Modification of Lipopolysaccharide Conferred by mcr-1 in Gram-Negative ESKAPE Pathogens. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	96
14	é‡Žç”ŸåŠ¨ç‰©(é‡Žé¸Ÿ)å¯¹å…¨çƒè€•åŸºå›ä¼šçš„å½±å“• Zoological Research, 2017, 38, 55-80.	2.1	94
15	Response to Comment on “The role of wildlife (wild birds) in the global transmission of antimicrobial resistance genes”. Zoological Research, 2017, 38, 212-212.	2.1	93
16	High Prevalence of Colistin Resistance and mcr-1 Gene in Escherichia coli Isolated from Food Animals in China. Frontiers in Microbiology, 2017, 8, 562.	3.5	86
17	F33: A-: B-, IncHI2/ST3, and IncI1/ST71 plasmids drive the dissemination of fosA3 and blaCTXÃ¢Ë†â€™MÃ¢Ë†â€™55/Ã¢Ë†â€™14/Ã¢Ë†â€™65 in Escherichia coli from chickens in China. Frontiers in Microbiology, 2014, 5, 688.	3.5	84
18	Complete nucleotide sequence of pHN7A8, an F33:A-:B-type epidemic plasmid carrying blaCTX-M-65, fosA3 and rmtB from China. Journal of Antimicrobial Chemotherapy, 2013, 68, 46-50.	3.0	74

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19	Characterization of Extended-Spectrum Î²-Lactamase Genes Found among Escherichia coli Isolates from Duck and Environmental Samples Obtained on a Duck Farm. Applied and Environmental Microbiology, 2012, 78, 3668-3673.	3.1	70
20	Antimicrobial resistance in Escherichia coli isolates from food animals, animal food products and companion animals in China. Veterinary Microbiology, 2010, 146, 85-89.	1.9	69
21	Genetic Characterization of IncI2 Plasmids Carrying bla _{CTX-M-55} Spreading in both Pets and Food Animals in China. Antimicrobial Agents and Chemotherapy, 2013, 57, 2824-2827.	3.2	68
22	Emergence of mcr-1 in Raoultella ornithinolytica and Escherichia coli Isolates from Retail Vegetables in China. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	67
23	mcr-1â^'Harboring Salmonella enterica Serovar Typhimurium Sequence Type 34 in Pigs, China. Emerging Infectious Diseases, 2017, 23, 291-295.	4.3	62
24	Emergent Polymyxin Resistance: End of an Era?. Open Forum Infectious Diseases, 2019, 6, .	0.9	60
25	Monitoring Colistin Resistance in Food Animals, An Urgent Threat. Expert Review of Anti-Infective Therapy, 2018, 16, 443-446.	4.4	57
26	Detection of the plasmid-encoded fosfomycin resistance gene fosA3 in Escherichia coli of food-animal origin. Journal of Antimicrobial Chemotherapy, 2013, 68, 766-770.	3.0	56
27	F33:Aâ^':Bâ^' and F2:Aâ^':Bâ^' Plasmids Mediate Dissemination of rmtB-bla _{CTX-M-9} Group Genes and rmtB-qepA in Enterobacteriaceae Isolates from Pets in China. Antimicrobial Agents and Chemotherapy, 2011, 55, 4926-4929.	3.2	53
28	Evolution and Comparative Genomics of F33:Aâ^':Bâ^' Plasmids Carrying bla _{CTX-M-55} or bla _{CTX-M-65} in Escherichia coli and Klebsiella pneumoniae Isolated from Animals, Food Products, and Humans in China. MSphere, 2018, 3, .	2.9	47
29	Rapid Increase in Carbapenemase-Producing Enterobacteriaceae in Retail Meat Driven by the Spread of the bla _{NDM-5} -Carrying IncX3 Plasmid in China from 2016 to 2018. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	43
30	Residues Distal to the Active Site Contribute to Enhanced Catalytic Activity of Variant and Hybrid Î²-Lactamases Derived from CTX-M-14 and CTX-M-15. Antimicrobial Agents and Chemotherapy, 2015, 59, 5976-5983.	3.2	41
31	A Novel Transferable Resistance-Nodulation-Division Pump Gene Cluster, tmexCD2-toprJ2 , Confers Tigecycline Resistance in Raoultella ornithinolytica. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	41
32	CTX-M-123, a Novel Hybrid of the CTX-M-1 and CTX-M-9 Group Î²-Lactamases Recovered from Escherichia coli Isolates in China. Antimicrobial Agents and Chemotherapy, 2013, 57, 4068-4071.	3.2	40
33	The association between occurrence of plasmid-mediated quinolone resistance and ciprofloxacin resistance in Escherichia coli isolates of different origins. Veterinary Microbiology, 2014, 170, 89-96.	1.9	37
34	A ProQ/FinO family protein involved in plasmid copy number control favours fitness of bacteria carryingmcr-1-bearing IncI2 plasmids. Nucleic Acids Research, 2021, 49, 3981-3996.	14.5	34
35	Dissemination of the rmtB gene carried on IncF and IncN plasmids among Enterobacteriaceae in a pig farm and its environment. Journal of Antimicrobial Chemotherapy, 2011, 66, 2475-2479.	3.0	33
36	Emergence of Escherichia coli co-producing NDM-1 and KPC-2 carbapenemases from a retail vegetable, China. Journal of Antimicrobial Chemotherapy, 2018, 73, 252-254.	3.0	33

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37	Clonal Spread of Escherichia coli ST93 Carrying mcr-1-Harboring IncN1-IncHI2/ST3 Plasmid Among Companion Animals, China. Frontiers in Microbiology, 2018, 9, 2989.	3.5	28
38	bla _{CTX-M-1/9/1} Hybrid Genes May Have Been Generated from bla _{CTX-M-15} on an IncI2 Plasmid. Antimicrobial Agents and Chemotherapy, 2015, 59, 4464-4470.	3.2	25
39	Detection of mcr-1 Gene among Escherichia coli Isolates from Farmed Fish and Characterization of mcr-1 -Bearing IncP Plasmids. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	24
40	IS 26 Mediates the Acquisition of Tigecycline Resistance Gene Cluster tmexCD1-toprJ1 by IncHI1B-FIB Plasmids in Klebsiella pneumoniae and Klebsiella quasipneumoniae from Food Market Sewage. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	24
41	Impact of plasmid-borne oqxAB on the development of fluoroquinolone resistance and bacterial fitness in Escherichia coli. Journal of Antimicrobial Chemotherapy, 2017, 72, 1293-1302.	3.0	22
42	Distribution of cfr in Staphylococcus spp. and Escherichia coli Strains from Pig Farms in China and Characterization of a Novel cfr-Carrying F43:A-:B- Plasmid. Frontiers in Microbiology, 2017, 8, 329.	3.5	22
43	mcr-1 and plasmid prevalence in Escherichia coli from livestock. Lancet Infectious Diseases, The, 2020, 20, 1126.	9.1	22
44	Novel tigecycline resistance gene cluster tnfxB3-tmexCD3-toprJ1b in Proteus spp. and Pseudomonas aeruginosa, co-existing with tet(X6) on an SXT/R391 integrative and conjugative element. Journal of Antimicrobial Chemotherapy, 2021, 76, 3159-3167.	3.0	22
45	Identification of fosA10, a Novel Plasmid-Mediated Fosfomycin Resistance Gene of Klebsiella pneumoniae Origin, in Escherichia coli . Infection and Drug Resistance, 2020, Volume 13, 1273-1279.	2.7	21
46	Co-selection may explain the unexpectedly high prevalence of plasmid-mediated colistin resistance gene mcr-1 in a Chinese broiler farm. Zoological Research, 2020, 41, 569-575.	2.1	21
47	Chromosomal location of the fosA3 and bla CTX-M genes in Proteus mirabilis and clonal spread of Escherichia coli ST117 carrying fosA3 -positive IncHI2/ST3 or F2:A-:B- plasmids in a chicken farm. International Journal of Antimicrobial Agents, 2017, 49, 443-448.	2.5	20
48	Characterization of oqxAB in Escherichia coli Isolates from Animals, Retail Meat, and Human Patients in Guangzhou, China. Frontiers in Microbiology, 2017, 8, 1982.	3.5	20
49	Prevalence and characteristics of rmtB and qepA in Escherichia coli isolated from diseased animals in China. Frontiers in Microbiology, 2013, 4, 198.	3.5	18
50	Complete sequence of a F2:A-:B- plasmid pHN3A11 carrying rmtB and qepA, and its dissemination in China. Veterinary Microbiology, 2014, 174, 267-271.	1.9	18
51	Distribution of the Multidrug Resistance GenecfrinStaphylococcusIsolates from Pigs, Workers, and the Environment of a Hog Market and a Slaughterhouse in Guangzhou, China. Foodborne Pathogens and Disease, 2015, 12, 598-605.	1.8	18
52	Emergence of methicillin-resistant Staphylococcus aureus ST398 in pigs in China. International Journal of Antimicrobial Agents, 2018, 51, 275-276.	2.5	17
53	Emergence of XDR Escherichia coli carrying both blaNDM and mcr-1 genes in chickens at slaughter and the characterization of two novel blaNDM-bearing plasmids. Journal of Antimicrobial Chemotherapy, 2018, 73, 2261-2263.	3.0	16
54	PixR, a Novel Activator of Conjugative Transfer of IncX4 Resistance Plasmids, Mitigates the Fitness Cost of mcr-1 Carriage in Escherichia coli. MBio, 2022, 13, e0320921.	4.1	16

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55	A multidrug-resistance region containing bla CTX-M-65, fosA3 and rmtB on conjugative IncFII plasmids in Escherichia coli ST117 isolates from chicken. Journal of Medical Microbiology, 2014, 63, 485-488.	1.8	15
56	High prevalence of Cfr-producing Staphylococcus species in retail meat in Guangzhou, China. BMC Microbiology, 2014, 14, 151.	3.3	15
57	Emergence of Almost Identical F36:A-:B32 Plasmids CarryingÂbla_{NDM-5}ÂandÂqepAÂinÂEscherichia coliÂfrom Both Pakistan and Canada . Infection and Drug Resistance, 2019, Volume 12, 3981-3985.	2.7	14
58	Rapid Increase in the IS26-Mediated cfr Gene in E. coli Isolates with IncP and IncX4 Plasmids and Co-Existing cfr and mcr-1 Genes in a Swine Farm. Pathogens, 2021, 10, 33.	2.8	14
59	Emergence of a Novel Plasmid-Mediated Tigecycline Resistance Gene Cluster, tmexCD4-toprJ4 , in Klebsiella quasipneumoniae and Enterobacter roggenkampii. Microbiology Spectrum, 2022, 10, .	3.0	14
60	Clonal spread of <i>Escherichia coli</i> O101:H9-ST10 and O101:H9-ST167 strains carrying <i>fosA3</i> and <i>bla</i>_{CTX-M-14} among diarrheal calves in a Chinese farm, with Australian <i>Chroicocephalus</i> as the possible origin of <i>E. coli</i> O101:H9-ST10. Zoological Research, 2021, 42, 461-468.	2.1	13
61	Comparative Characterization of CTX-M-64 and CTX-M-14 Provides Insights into the Structure and Catalytic Activity of the CTX-M Class of Enzymes. Antimicrobial Agents and Chemotherapy, 2016, 60, 6084-6090.	3.2	12
62	Multiple Plasmid Vectors Mediate the Spread of fosA3 in Extended-Spectrum-Î²-Lactamase-Producing Enterobacterales Isolates from Retail Vegetables in China. MSphere, 2020, 5, .	2.9	11
63	Extended-spectrum Î²-lactamase-producing Escherichia coli. Lancet Infectious Diseases, The, 2020, 20, 404-405.	9.1	11
64	CpxR regulates the colistin susceptibility of Salmonella Typhimurium by a multitarget mechanism. Journal of Antimicrobial Chemotherapy, 2020, 75, 2780-2786.	3.0	11
65	Research progress on the plasmid-mediated colistin resistance gene mcr-1. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2017, 39, 110-126.	0.2	11
66	Characterization of NDM-5-producing <i>Enterobacteriaceae</i> isolates from retail grass carp (<i>Ctenopharyngodon idella</i>) and evidence of <i>bla</i>_{NDM-5}-bearing IncHI2 plasmid transfer between ducks and fish. Zoological Research, 2022, 43, 255-264.	2.1	11
67	Impact of mcr-1 on the Development of High Level Colistin Resistance in Klebsiella pneumoniae and Escherichia coli. Frontiers in Microbiology, 2021, 12, 666782.	3.5	10
68	Emergence of Klebsiella pneumoniae and Enterobacter cloacae producing OXA-48 carbapenemases from retail meats in China, 2018. Journal of Antimicrobial Chemotherapy, 2019, 74, 3632-3634.	3.0	8
69	Comparative genomics of rmtB-carrying IncI1 ST136 plasmids in avian escherichia coli isolates from chickens in China. International Journal of Antimicrobial Agents, 2018, 51, 659-662.	2.5	7
70	Metabolic Perturbations Caused by the Over-Expression of mcr-1 in Escherichia coli. Frontiers in Microbiology, 2020, 11, 588658.	3.5	7
71	Emergence of bla_{NDM-5} in Enterobacteriaceae Isolates from Companion Animals in Guangzhou, China. Microbial Drug Resistance, 2021, 27, 809-815.	2.0	7
72	Characterization of a Novel Linezolid Resistance Gene optrA and Bacitracin Resistance Locus-Carrying Multiple Antibiotic Resistant Integrative and Conjugative Element ICE Ssu 1112S in Streptococccus Suis. Microbiology Spectrum, 2022, 10, e0196321.	3.0	7

#	Article	IF	Citations
73	Characterization of blaCMY-2-carrying IncC and rmtB-carrying IncI1/ST136 plasmids in an avian Escherichia coli ST224 strain. Plasmid, 2021, 114, 102555.	1.4	6
74	Detection of Tet(X4)-producing Klebsiella pneumoniae from the environment and wide spread of IncFIA-IncHI1Aâ€“IncHI1B plasmid carrying tet(X4) in China. Journal of Global Antimicrobial Resistance, 2022, 30, 130-132.	2.2	5
75	Double deletion of cpxR and tolC significantly increases the susceptibility of Salmonella enterica serovar Typhimurium to colistin. Journal of Antimicrobial Chemotherapy, 2021, 76, 3168-3174.	3.0	4
76	Multidrug Resistance Genes Carried by a Novel Transposon Tn 7376 and a Genomic Island Named MMGI-4 in a Pathogenic Morganella morganii Isolate. Microbiology Spectrum, 2022, 10, e0026522.	3.0	4
77	Editorial: Globally or Regionally Spread of Epidemic Plasmids Carrying Clinically Important Resistance Genes: Epidemiology, Molecular Mechanism, and Drivers. Frontiers in Microbiology, 2021, 12, 822802.	3.5	3
78	Emergence of the tigecycline resistance gene cluster tmexCD1-toprJ1 in an IncC plasmid and Citrobacter portucalensis. Journal of Antimicrobial Chemotherapy, 2022, 77, 2030-2033.	3.0	3