Edward Wai-Chi Chan

List of Publications by Year
in descending order

48 papers	2,014 citations	331670 21 h-index	265206 42 g-index
50 all docs	50 docs citations	50 times ranked	2263 citing authors

#	Article	IF	Citations
1	A fatal outbreak of ST11 carbapenem-resistant hypervirulent Klebsiella pneumoniae in a Chinese hospital: a molecular epidemiological study. Lancet Infectious Diseases, The, 2018, 18, 37-46.	9.1	683
2	Emergence of Carbapenem-Resistant Serotype K1 Hypervirulent Klebsiella pneumoniae Strains in China. Antimicrobial Agents and Chemotherapy, 2016, 60, 709-711.	3.2	181
3	Carriage of blaKPC-2 by a virulence plasmid in hypervirulent Klebsiella pneumoniae. Journal of Antimicrobial Chemotherapy, 2018, 73, 3317-3321.	3.0	67
4	Emergence of OXA-232 Carbapenemase-Producing Klebsiella pneumoniae That Carries a pLVPK-Like Virulence Plasmid among Elderly Patients in China. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	67
5	Increasing prevalence of ciprofloxacin-resistant food-borne Salmonella strains harboring multiple PMQR elements but not target gene mutations. Scientific Reports, 2015, 5, 14754.	3.3	60
6	Crystal Structure of Escherichia coli originated MCR-1, a phosphoethanolamine transferase for Colistin Resistance. Scientific Reports, 2016, 6, 38793.	3.3	60
7	Evolution and Dissemination of OqxAB-Like Efflux Pumps, an Emerging Quinolone Resistance Determinant among Members of Enterobacteriaceae. Antimicrobial Agents and Chemotherapy, 2015, 59, 3290-3297.	3.2	59
8	Recombination of plasmids in a carbapenem-resistant NDM-5-producing clinical Escherichia coli isolate. Journal of Antimicrobial Chemotherapy, 2018, 73, 1230-1234.	3.0	47
9	Evolution of tigecycline- and colistin-resistant CRKP (carbapenem-resistant Klebsiella) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 1-11.	6.5	47
10	IS26-mediated formation of a virulence and resistance plasmid in Salmonella Enteritidis. Journal of Antimicrobial Chemotherapy, 2017, 72, 2750-2754.	3.0	42
11	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
12	Transmission of ciprofloxacin resistance in Salmonella mediated by a novel type of conjugative helper plasmids. Emerging Microbes and Infections, 2019, 8, 857-865.	6.5	40
13	Dissemination of IncI2 Plasmids That Harbor theblaCTX-MElement among Clinical Salmonella Isolates. Antimicrobial Agents and Chemotherapy, 2015, 59, 5026-5028.	3.2	39
14	Dissemination of the mcr-1 colistin resistance gene. Lancet Infectious Diseases, The, 2016, 16, 291-292.	9.1	38
15	Prevalence and genetic characteristics of carbapenem-resistant Enterobacteriaceae strains in China. Lancet Infectious Diseases, The, 2017, 17, 256-257.	9.1	37
16	IncHI2 Plasmids Are the Key Vectors Responsible for oqxAB Transmission among Salmonella Species. Antimicrobial Agents and Chemotherapy, 2016, 60, 6911-6915.	3.2	35
17	IncI1 Plasmids Carrying VariousblaCTX-MGenes Contribute to Ceftriaxone Resistance in Salmonella enterica Serovar Enteritidis in China. Antimicrobial Agents and Chemotherapy, 2016, 60, 982-989.	3.2	33
18	Emergence of carbapenem-resistant hypervirulent Klebsiella pneumoniae. Lancet Infectious Diseases, The, 2018, 18, 24.	9.1	31

#	Article	IF	Citations
19	Characterization of an IncA/C Multidrug Resistance Plasmid in Vibrio alginolyticus. Antimicrobial Agents and Chemotherapy, 2016, 60, 3232-3235.	3.2	30
20	Molecular Characterization of Escherichia coli Strains Isolated from Retail Meat That Harbor bla _{CTX-M} and fosA3 Genes. Antimicrobial Agents and Chemotherapy, 2016, 60, 2450-2455.	3.2	28
21	Comparative genetic characterization of Enteroaggregative Escherichia coli strains recovered from clinical and non-clinical settings. Scientific Reports, 2016, 6, 24321.	3.3	27
22	Prevalence and phenotypic characterization of carbapenem-resistant Klebsiella pneumoniae strains recovered from sputum and fecal samples of ICU patients in Zhejiang Province, China. Infection and Drug Resistance, 2019, Volume 12, 11-18.	2.7	25
23	Evolution and transmission of a conjugative plasmid encoding both ciprofloxacin and ceftriaxone resistance in Salmonella. Emerging Microbes and Infections, 2019, 8, 396-403.	6.5	21
24	An IncR Plasmid Harbored by a Hypervirulent Carbapenem-Resistant Klebsiella pneumoniae Strain Possesses Five Tandem Repeats of the bla _{KPC-2} ::NTE _{KPC} -Id Fragment. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	20
25	A Novel PCR-Based Approach for Accurate Identification of Vibrio parahaemolyticus. Frontiers in Microbiology, 2016, 7, 44.	3.5	19
26	Identification and Characterization of Conjugative Plasmids That Encode Ciprofloxacin Resistance in Salmonella. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	18
27	A photoelectrochemical biosensor for rapid and ultrasensitive norovirus detection. Bioelectrochemistry, 2020, 136, 107591.	4.6	18
28	Prevalence, transmission, and molecular epidemiology of tet(X)-positive bacteria among humans, animals, and environmental niches in China: An epidemiological, and genomic-based study. Science of the Total Environment, 2022, 818, 151767.	8.0	18
29	Isolation of carbapenem-resistant Pseudomonas spp. from food. Journal of Global Antimicrobial Resistance, 2015, 3, 109-114.	2.2	15
30	Identification and Characterization of IncA/C Conjugative, bla _{NDM-1} -Bearing Plasmid in Vibrio alginolyticus of Food Origin. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	14
31	Comparative characterization of nontyphoidal Salmonella isolated from humans and food animals in China, 2003â€“2011. Heliyon, 2018, 4, e00613.	3.2	14
32	Characterization of the stability and dynamics of Tn6330 in an Escherichia coli strain by nanopore long reads. Journal of Antimicrobial Chemotherapy, 2019, 74, 1807-1811.	3.0	14
33	Complete Nucleotide Sequence of a Conjugative Plasmid Carrying bla _{PER-1}. Antimicrobial Agents and Chemotherapy, 2015, 59, 3582-3584.	3.2	13
34	Resolution of dynamic MDR structures among the plasmidome of Salmonella using MinION single-molecule, long-read sequencing. Journal of Antimicrobial Chemotherapy, 2018, 73, 2691-2695.	3.0	13
35	Antimicrobial peptide zp37 inhibits Escherichia coli O157:H7 in alfalfa sprouts by inflicting damage in cell membrane and binding to DNA. LWT - Food Science and Technology, 2021, 146, 111392.	5.2	13
36	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

#	Article	IF	Citations
37	Identification and characterization of a conjugative blaVIM-1-bearing plasmid in Vibrio alginolyticus of food origin. Journal of Antimicrobial Chemotherapy, 2019, 74, 1842-1847.	3.0	12
38	Evolution and comparative genomics of pAQU-like conjugative plasmids in Vibrio species. Journal of Antimicrobial Chemotherapy, 2017, 72, 2503-2506.	3.0	11
39	Genetic Characterization of a bla VEB-2 -Carrying Plasmid in Vibrio parahaemolyticus. Antimicrobial Agents and Chemotherapy, 2016, 60, 6965-6968.	3.2	10
40	Selective and suppressive effects of antibiotics on donor and recipient bacterial strains in gut microbiota determine transmission efficiency of blaNDM-1-bearing plasmids. Journal of Antimicrobial Chemotherapy, 2019, 74, 1867-1875.	3.0	10
41	Functional Characterization of CTX-M-14 and CTX-M-15 Î²-Lactamases by In Vitro DNA Shuffling. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	9
42	Genetic Characterization of Broad-Host-Range IncQ Plasmids Harboring bla _{VEB-18} in Vibrio Species. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	7
43	Mechanism of substrate recognition by the novel Botulinum Neurotoxin subtype F5. Scientific Reports, 2016, 6, 19875.	3.3	6
44	Comparative characterization of botulinum neurotoxin subtypes F1 and F7 featuring differential substrate recognition and cleavage mechanisms. Toxicon, 2016, 111, 77-85.	1.6	3
45	Mutational Analysis of Quinolone Resistance Protein QnrVC7 Provides Novel Insights into the Structure-Activity Relationship of Qnr Proteins. Antimicrobial Agents and Chemotherapy, 2016, 60, 1939-1942.	3.2	3
46	Characterisation of a chromosomally-encoded extended-spectrum Î²-lactamase gene blaPER-3 in Aeromonas caviae of chicken origin. International Journal of Antimicrobial Agents, 2016, 47, 103-105.	2.5	2
47	Rapid resolution of multi-drug resistance bacterial genome harbouring mcr-1 and blaCMY-2 using MinION sequencing platform. International Journal of Antimicrobial Agents, 2018, 52, 303-304.	2.5	0
48	Characterization of Protein Domain Function via in vitro DNA Shuffling. Bio-protocol, 2018, 8, e2873.	0.4	0