

# Edward Wai-Chi Chan

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Prevalence, transmission, and molecular epidemiology of tet(X)-positive bacteria among humans, animals, and environmental niches in China: An epidemiological, and genomic-based study. <i>Science of the Total Environment</i> , 2022, 818, 151767.	8.0	18
2	Antimicrobial peptide zp37 inhibits <i>Escherichia coli</i> O157:H7 in alfalfa sprouts by inflicting damage in cell membrane and binding to DNA. <i>LWT - Food Science and Technology</i> , 2021, 146, 111392.	5.2	13
3	A photoelectrochemical biosensor for rapid and ultrasensitive norovirus detection. <i>Bioelectrochemistry</i> , 2020, 136, 107591.	4.6	18
4	Prevalence and phenotypic characterization of carbapenem-resistant <i>Klebsiella pneumoniae</i> strains recovered from sputum and fecal samples of ICU patients in Zhejiang Province, China. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 11-18.	2.7	25
5	Transmission of ciprofloxacin resistance in <i>Salmonella</i> mediated by a novel type of conjugative helper plasmids. <i>Emerging Microbes and Infections</i> , 2019, 8, 857-865.	6.5	40
6	Selective and suppressive effects of antibiotics on donor and recipient bacterial strains in gut microbiota determine transmission efficiency of blaNDM-1-bearing plasmids. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1867-1875.	3.0	10
7	Identification and characterization of a conjugative blaVIM-1-bearing plasmid in <i>Vibrio alginolyticus</i> of food origin. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1842-1847.	3.0	12
8	Evolution and transmission of a conjugative plasmid encoding both ciprofloxacin and ceftriaxone resistance in <i>Salmonella</i> . <i>Emerging Microbes and Infections</i> , 2019, 8, 396-403.	6.5	21
9	Characterization of the stability and dynamics of Tn6330 in an <i>Escherichia coli</i> strain by nanopore long reads. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1807-1811.	3.0	14
10	Emergence of OXA-232 Carbapenemase-Producing <i>Klebsiella pneumoniae</i> That Carries a pLVPK-Like Virulence Plasmid among Elderly Patients in China. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	67
11	An IncR Plasmid Harbored by a Hypervirulent Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Strain Possesses Five Tandem Repeats of the bla <sub>KPC-2</sub> ::NTE <sub>KPC</sub> -Id Fragment. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	20
12	Recombination of plasmids in a carbapenem-resistant NDM-5-producing clinical <i>Escherichia coli</i> isolate. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 1230-1234.	3.0	47
13	Emergence of carbapenem-resistant hypervirulent <i>Klebsiella pneumoniae</i> . <i>Lancet Infectious Diseases</i> , The, 2018, 18, 24.	9.1	31
14	A fatal outbreak of ST11 carbapenem-resistant hypervirulent <i>Klebsiella pneumoniae</i> in a Chinese hospital: a molecular epidemiological study. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 37-46.	9.1	683
15	Carriage of blaKPC-2 by a virulence plasmid in hypervirulent <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 3317-3321.	3.0	67
16	Identification and Characterization of IncA/C Conjugative, bla <sub>NDM-1</sub> -Bearing Plasmid in <i>Vibrio alginolyticus</i> of Food Origin. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	14
17	Comparative characterization of nontyphoidal <i>Salmonella</i> isolated from humans and food animals in China, 2003–2011. <i>Heliyon</i> , 2018, 4, e00613.	3.2	14
18	Rapid resolution of multi-drug resistance bacterial genome harbouring mcr-1 and blaCMY-2 using MinION sequencing platform. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 303-304.	2.5	0

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19	Identification and Characterization of Conjugative Plasmids That Encode Ciprofloxacin Resistance in Salmonella. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	18
20	Evolution of tigecycline- and colistin-resistant CRKP (carbapenem-resistant <i>Klebsiella</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (p 1-11.	6.5	47
21	Resolution of dynamic MDR structures among the plasmidome of Salmonella using MinION single-molecule, long-read sequencing. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 2691-2695.	3.0	13
22	Characterization of Protein Domain Function via in vitro DNA Shuffling. <i>Bio-protocol</i> , 2018, 8, e2873.	0.4	0
23	Prevalence and genetic characteristics of carbapenem-resistant Enterobacteriaceae strains in China. <i>Lancet Infectious Diseases</i> , The, 2017, 17, 256-257.	9.1	37
24	Genetic Characterization of Broad-Host-Range IncQ Plasmids Harboring <i>bla</i> <sub>VEB-18</sub> in <i>Vibrio</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	7
25	Functional Characterization of CTX-M-14 and CTX-M-15 $\beta$ -Lactamases by In Vitro DNA Shuffling. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	9
26	IS26-mediated formation of a virulence and resistance plasmid in <i>Salmonella</i> Enteritidis. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2750-2754.	3.0	42
27	Evolution and comparative genomics of pAQU-like conjugative plasmids in <i>Vibrio</i> species. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2503-2506.	3.0	11
28	A Novel PCR-Based Approach for Accurate Identification of <i>Vibrio parahaemolyticus</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 44.	3.5	19
29	Comparative genetic characterization of Enteroaggregative <i>Escherichia coli</i> strains recovered from clinical and non-clinical settings. <i>Scientific Reports</i> , 2016, 6, 24321.	3.3	27
30	Crystal Structure of <i>Escherichia coli</i> originated MCR-1, a phosphoethanolamine transferase for Colistin Resistance. <i>Scientific Reports</i> , 2016, 6, 38793.	3.3	60
31	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. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6084-6090.	3.2	12
32	IncHI2 Plasmids Are the Key Vectors Responsible for <i>oqxAB</i> Transmission among <i>Salmonella</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6911-6915.	3.2	35
33	Genetic Characterization of a <i>bla</i> <sub>VEB-2</sub> -Carrying Plasmid in <i>Vibrio parahaemolyticus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6965-6968.	3.2	10
34	Mechanism of substrate recognition by the novel Botulinum Neurotoxin subtype F5. <i>Scientific Reports</i> , 2016, 6, 19875.	3.3	6
35	Comparative characterization of botulinum neurotoxin subtypes F1 and F7 featuring differential substrate recognition and cleavage mechanisms. <i>Toxicon</i> , 2016, 111, 77-85.	1.6	3
36	IncI1 Plasmids Carrying Various <i>bla</i> <sub>CTX-M</sub> Genes Contribute to Ceftriaxone Resistance in <i>Salmonella enterica</i> Serovar Enteritidis in China. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 982-989.	3.2	33

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37	Dissemination of the <i>mcr-1</i> colistin resistance gene. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 291-292.	9.1	38
38	Characterization of an <i>IncA/C</i> Multidrug Resistance Plasmid in <i>Vibrio alginolyticus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3232-3235.	3.2	30
39	Molecular Characterization of <i>Escherichia coli</i> Strains Isolated from Retail Meat That Harbor <i>bla</i> <sub>CTX-M</sub> and <i>fosA3</i> Genes. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2450-2455.	3.2	28
40	Mutational Analysis of Quinolone Resistance Protein QnrVC7 Provides Novel Insights into the Structure-Activity Relationship of Qnr Proteins. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1939-1942.	3.2	3
41	Characterisation of a chromosomally-encoded extended-spectrum $\beta$ -lactamase gene <i>bla</i> <sub>PER-3</sub> in <i>Aeromonas caviae</i> of chicken origin. <i>International Journal of Antimicrobial Agents</i> , 2016, 47, 103-105.	2.5	2
42	Emergence of Carbapenem-Resistant Serotype K1 Hypervirulent <i>Klebsiella pneumoniae</i> Strains in China. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 709-711.	3.2	181
43	Increasing prevalence of ciprofloxacin-resistant food-borne <i>Salmonella</i> strains harboring multiple PMQR elements but not target gene mutations. <i>Scientific Reports</i> , 2015, 5, 14754.	3.3	60
44	Dissemination of <i>Incl2</i> Plasmids That Harbor the <i>bla</i> <sub>CTX-M</sub> Element among Clinical <i>Salmonella</i> Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5026-5028.	3.2	39
45	Evolution and Dissemination of <i>OqxAB</i> -Like Efflux Pumps, an Emerging Quinolone Resistance Determinant among Members of <i>Enterobacteriaceae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3290-3297.	3.2	59
46	Isolation of carbapenem-resistant <i>Pseudomonas</i> spp. from food. <i>Journal of Global Antimicrobial Resistance</i> , 2015, 3, 109-114.	2.2	15
47	Complete Nucleotide Sequence of a Conjugative Plasmid Carrying <i>bla</i> <sub>PER-1</sub> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3582-3584.	3.2	13
48	Residues Distal to the Active Site Contribute to Enhanced Catalytic Activity of Variant and Hybrid $\beta$ -Lactamases Derived from CTX-M-14 and CTX-M-15. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5976-5983.	3.2	41