Mark A Toleman

List of Publications by Year
in descending order

107 papers	13,299 citations	47006 47 h-index	31849 101 g-index
111 all docs	111 docs citations	111 times ranked	10648 citing authors

#	Article	IF	Citations
1	Emergence of a new antibiotic resistance mechanism in India, Pakistan, and the UK: a molecular, biological, and epidemiological study. Lancet Infectious Diseases, The, 2010, 10, 597-602.	9.1	2,485
2	Characterization of a New Metallo-Î²-Lactamase Gene, bla _{NDM-1} , and a Novel Erythromycin Esterase Gene Carried on a Unique Genetic Structure in Klebsiella pneumoniae Sequence Type 14 from India. Antimicrobial Agents and Chemotherapy, 2009, 53, 5046-5054.	3.2	2,065
3	Metallo-Î²-Lactamases: the Quiet before the Storm?. Clinical Microbiology Reviews, 2005, 18, 306-325.	13.6	1,283
4	Dissemination of NDM-1 positive bacteria in the New Delhi environment and its implications for human health: an environmental point prevalence study. Lancet Infectious Diseases, The, 2011, 11, 355-362.	9.1	1,045
5	IS CR Elements: Novel Gene-Capturing Systems of the 21st Century?. Microbiology and Molecular Biology Reviews, 2006, 70, 296-316.	6.6	529
6	How To Detect NDM-1 Producers. Journal of Clinical Microbiology, 2011, 49, 718-721.	3.9	295
7	Molecular characterization of SPM-1, a novel metallo-beta-lactamase isolated in Latin America: report from the SENTRY antimicrobial surveillance programme. Journal of Antimicrobial Chemotherapy, 2002, 50, 673-679.	3.0	277
8	Does broad-spectrum Â-lactam resistance due to NDM-1 herald the end of the antibiotic era for treatment of infections caused by Gram-negative bacteria?. Journal of Antimicrobial Chemotherapy, 2011, 66, 689-692.	3.0	257
9	Molecular Characterization of a Î²-Lactamase Gene, bla GIM-1 , Encoding a New Subclass of Metallo-Î²-Lactamase. Antimicrobial Agents and Chemotherapy, 2004, 48, 4654-4661.	3.2	236
10	World Health Organization Ranking of Antimicrobials According to Their Importance in Human Medicine: A Critical Step for Developing Risk Management Strategies to Control Antimicrobial Resistance From Food Animal Production. Clinical Infectious Diseases, 2016, 63, 1087-1093.	5.8	230
11	Global Emergence of Trimethoprim/Sulfamethoxazole Resistance inStenotrophomonas maltophiliaMediated by Acquisition ofsulGenes. Emerging Infectious Diseases, 2007, 13, 559-565.	4.3	210
12	Diverse Sequence Types of Klebsiella pneumoniae Contribute to the Dissemination of bla _{NDM-1} in India, Sweden, and the United Kingdom. Antimicrobial Agents and Chemotherapy, 2012, 56, 2735-2738.	3.2	165
13	Combinatorial events of insertion sequences and ICE in Gram-negative bacteria. FEMS Microbiology Reviews, 2011, 35, 912-935.	8.6	164
14	Spread of extensively resistant VIM-2-positive ST235 Pseudomonas aeruginosa in Belarus, Kazakhstan, and Russia: a longitudinal epidemiological and clinical study. Lancet Infectious Diseases, The, 2013, 13, 867-876.	9.1	153
15	Extended-spectrum Î²-lactamase-producing Escherichia coli in human-derived and foodchain-derived samples from England, Wales, and Scotland: an epidemiological surveillance and typing study. Lancet Infectious Diseases, The, 2019, 19, 1325-1335.	9.1	150
16	Molecular Epidemiology of Metallo-Î²-Lactamase-Producing Pseudomonas aeruginosa Isolates from Norway and Sweden Shows Import of International Clones and Local Clonal Expansion. Antimicrobial Agents and Chemotherapy, 2010, 54, 346-352.	3.2	136
17	bla VIM-7 , an Evolutionarily Distinct Metallo-Î²-Lactamase Gene in a Pseudomonas aeruginosa Isolate from the United States. Antimicrobial Agents and Chemotherapy, 2004, 48, 329-332.	3.2	129
18	The emergence of pan-resistant Gram-negative pathogens merits a rapid global political response. Journal of Antimicrobial Chemotherapy, 2012, 67, 1-3.	3.0	125

#	Article	IF	Citations
19	bla _{NDM-1} Is a Chimera Likely Constructed in Acinetobacter baumannii. Antimicrobial Agents and Chemotherapy, 2012, 56, 2773-2776.	3.2	122
20	Human Neutrophil Clearance of Bacterial Pathogens Triggers Anti-Microbial Î³Î´ T Cell Responses in Early Infection. PLoS Pathogens, 2011, 7, e1002040.	4.7	106
21	The variable P5 proteins of typeable and non-typeable Haemophilus influenzae target human CEACAM1. Molecular Microbiology, 2001, 39, 850-862.	2.5	105
22	Common regions e.g. orf513 and antibiotic resistance: IS91-like elements evolving complex class 1 integrons. Journal of Antimicrobial Chemotherapy, 2006, 58, 1-6.	3.0	105
23	First detection of extended-spectrum cephalosporin- and fluoroquinolone-resistant Escherichia coli in Australian food-producing animals. Journal of Global Antimicrobial Resistance, 2015, 3, 273-277.	2.2	96
24	Dissemination and diversity of metallo-Î²-lactamases in Latin America: report from the SENTRY Antimicrobial Surveillance Program. International Journal of Antimicrobial Agents, 2005, 25, 57-61.	2.5	93
25	OXA-1 Î²-lactamase and non-susceptibility to penicillin/Î²-lactamase inhibitor combinations among ESBL-producing Escherichia coli. Journal of Antimicrobial Chemotherapy, 2019, 74, 326-333.	3.0	91
26	Global spread of New Delhi metallo-Î²-lactamase 1. Lancet Infectious Diseases, The, 2010, 10, 829-830.	9.1	87
27	Integron Carrying a Novel Metallo-Î²-Lactamase Gene, bla IMP-16 , and a Fused Form of Aminoglycoside-Resistant Gene aac(6â€²)-30/aac(6â€²)-Ibâ€² : Report from the SENTRY Antimicrobial Surveillance Program. Antimicrobial Agents and Chemotherapy, 2004, 48, 4693-4702.	3.2	86
28	Italian metallo-Î²-lactamases: a national problem? Report from the SENTRY Antimicrobial Surveillance Programme. Journal of Antimicrobial Chemotherapy, 2005, 55, 61-70.	3.0	83
29	Genetic and Biochemical Characterization of an Acquired Subgroup B3 Metallo-Î²-Lactamase Gene, bla _{AIM-1} , and Its Unique Genetic Context in Pseudomonas aeruginosa from Australia. Antimicrobial Agents and Chemotherapy, 2012, 56, 6154-6159.	3.2	83
30	Genetic characterization of a novel metallo-Â-lactamase gene, blaIMP-13, harboured by a novel Tn5051-type transposon disseminating carbapenemase genes in Europe: report from the SENTRY worldwide antimicrobial surveillance programme. Journal of Antimicrobial Chemotherapy, 2003, 52, 583-590.	3.0	81
31	Emerging Metalloâ€Î²â€Lactamaseâ€“Mediated Resistances: A Summary Report from the Worldwide SENTRY Antimicrobial Surveillance Program. Clinical Infectious Diseases, 2005, 41, S276-S278.	5.8	72
32	Molecular characterization of VIM-producing Klebsiella pneumoniae from Scandinavia reveals genetic relatedness with international clonal complexes encoding transferable multidrug resistance. Clinical Microbiology and Infection, 2011, 17, 1811-1816.	6.0	70
33	Biochemical Characterization of the Acquired Metallo-Î²-Lactamase SPM-1 from Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2003, 47, 582-587.	3.2	66
34	First Report of the Metallo-Î²-Lactamase SPM-1 in Europe. Antimicrobial Agents and Chemotherapy, 2010, 54, 582-582.	3.2	63
35	Plasmid Carriage of bla _{NDM-1} in Clinical Acinetobacter baumannii Isolates from India. Antimicrobial Agents and Chemotherapy, 2014, 58, 4211-4213.	3.2	63
36	Pseudomonas aeruginosa strains harbouring an unusual blaVIM-4 gene cassette isolated from hospitalized children in Poland (1998-2001). Journal of Antimicrobial Chemotherapy, 2004, 53, 451-456.	3.0	62

#	Article	IF	Citations
37	Expression of pathogen-like Opa adhesins in commensal Neisseria: genetic and functional analysis. Cellular Microbiology, 2001, 3, 33-44.	2.1	60
38	Characterization of fluoroquinolone-resistant Î²-hemolytic Streptococcus spp. isolated in North America and Europe including the first report of fluoroquinolone-resistant Streptococcus dysgalactiae subspecies equisimilis: Report from the SENTRY Antimicrobial Surveillance Program (1997â€“2004). Diagnostic Microbiology and Infectious Disease, 2006, 55, 119-127.	1.8	60
39	Characterization of an Integron Carrying bla IMP-1 and a New Aminoglycoside Resistance Gene, aac(6â€²)-31 , and Its Dissemination among Genetically Unrelated Clinical Isolates in a Brazilian Hospital. Antimicrobial Agents and Chemotherapy, 2007, 51, 2611-2614.	3.2	60
40	Evolution of an integron carrying blaVIM-2 in Eastern Europe: report from the SENTRY Antimicrobial Surveillance Program. Journal of Antimicrobial Chemotherapy, 2003, 52, 116-119.	3.0	58
41	Balkan NDM-1: escape or transplant?. Lancet Infectious Diseases, The, 2011, 11, 164.	9.1	58
42	Extensively Drug-Resistant New Delhi Metallo-Î²-Lactamaseâ€“Encoding Bacteria in the Environment, Dhaka, Bangladesh, 2012. Emerging Infectious Diseases, 2015, 21, 1027-1030.	4.3	57
43	Characterization of Plasmids in Extensively Drug-Resistant Acinetobacter Strains Isolated in India and Pakistan. Antimicrobial Agents and Chemotherapy, 2015, 59, 923-929.	3.2	54
44	Plasmid typing and genetic context of AmpC Î²-lactamases in Enterobacteriaceae lacking inducible chromosomal ampC genes: findings from a Spanish hospital 1999â€“2007. Journal of Antimicrobial Chemotherapy, 2012, 67, 115-122.	3.0	53
45	Genetic and Biochemical Characterization of a Novel Metallo-Î²-Lactamase, TMB-1, from an Achromobacter xylosoxidans Strain Isolated in Tripoli, Libya. Antimicrobial Agents and Chemotherapy, 2012, 56, 2241-2245.	3.2	53
46	Analysis of Salmonella spp. with resistance to extended-spectrum cephalosporins and fluoroquinolones isolated in North America and Latin America: report from the SENTRY Antimicrobial Surveillance Program (1997â€“2004). Diagnostic Microbiology and Infectious Disease, 2006, 54, 13-21.	1.8	49
47	bla VIM-2-Harboring Integrons Isolated in India, Russia, and the United States Arise from an Ancestral Class 1 Integron Predating the Formation of the 3â€² Conserved Sequence. Antimicrobial Agents and Chemotherapy, 2007, 51, 2636-2638.	3.2	48
48	Molecular and Biochemical Characterization of OXA-45, an Extended-Spectrum Class 2dâ€² Î²-Lactamase in Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2003, 47, 2859-2863.	3.2	47
49	The new medical challenge: why NDM-1? Why Indian?. Expert Review of Anti-Infective Therapy, 2011, 9, 137-141.	4.4	47
50	Genetic Characterization and Emergence of the Metallo-Î²-Lactamase GIM-1 in Pseudomonas spp. and Enterobacteriaceae during a Long-Term Outbreak. Antimicrobial Agents and Chemotherapy, 2013, 57, 5162-5165.	3.2	46
51	First Isolation of bla VIM-2 in Latin America: Report from the SENTRY Antimicrobial Surveillance Program. Antimicrobial Agents and Chemotherapy, 2004, 48, 1433-1434.	3.2	45
52	Prevalence of SXT/R391-like integrative and conjugative elements carrying blaCMY-2 in Proteus mirabilis. Journal of Antimicrobial Chemotherapy, 2011, 66, 2266-2270.	3.0	45
53	Process improvement for small firms: An evaluation of the RAPID assessment-based method. Information and Software Technology, 2006, 48, 323-334.	4.4	43
54	Unconventional Human T Cells Accumulate at the Site of Infection in Response to Microbial Ligands and Induce Local Tissue Remodeling. Journal of Immunology, 2016, 197, 2195-2207.	0.8	42

#	Article	IF	Citations
55	In vitro activity of fusidic acid and mupirocin against coagulase-positive staphylococci from pets. Journal of Antimicrobial Chemotherapy, 2008, 62, 1301-1304.	3.0	41
56	Evolution and dissemination of extended-spectrum Î²-lactamase-producing Klebsiella pneumoniae: Epidemiology and molecular report from the SENTRY Antimicrobial Surveillance Program (1997â€“2003). Diagnostic Microbiology and Infectious Disease, 2005, 51, 1-7.	1.8	40
57	IS CR Elements Are Key Players in IncA/C Plasmid Evolution. Antimicrobial Agents and Chemotherapy, 2010, 54, 3534-3534.	3.2	39
58	Emergence and persistence of integron structures harbouring VIM genes in the Children's Memorial Health Institute, Warsaw, Poland, 1998-2006. Journal of Antimicrobial Chemotherapy, 2008, 63, 269-273.	3.0	37
59	Evolution of the IS CR3 Group of IS CR Elements. Antimicrobial Agents and Chemotherapy, 2008, 52, 3789-3791.	3.2	35
60	Horizontal transfer of the blaNDM-1 gene to Pseudomonas aeruginosa and Acinetobacter baumannii in biofilms. FEMS Microbiology Letters, 2017, 364, .	1.8	35
61	Prevalence and antimicrobial susceptibility patterns among gastroenteritis-causing pathogens recovered in Europe and Latin America and Salmonella isolates recovered from bloodstream infections in North America and Latin America: report from the SENTRY Antimicrobial Surveillance Program (2003). International Journal of Antimicrobial Agents, 2006, 27, 367-375.	2.5	34
62	bla VIM-2 and bla VIM-7 Carbapenemase-Producing Pseudomonas aeruginosa Isolates Detected in a Tertiary Care Medical Center in the United States: Report from the MYSTIC Program. Journal of Clinical Microbiology, 2007, 45, 614-615.	3.9	34
63	In vitro and in vivo activity of Manuka honey against NDM-1-producing Klebsiella pneumoniae ST11. Future Microbiology, 2018, 13, 13-26.	2.0	34
64	Dissemination of genetically diverse NDM-1, -5, -7 producing-Gram-negative pathogens isolated from pediatric patients in Pakistan. Future Microbiology, 2019, 14, 691-704.	2.0	32
65	IS CR2 , Another Vehicle for bla _{VEB} Gene Acquisition. Antimicrobial Agents and Chemotherapy, 2009, 53, 4940-4943.	3.2	29
66	Evaluation of the contemporary occurrence rates of metallo-Î²-lactamases in multidrug-resistant Gram-negative bacilli in Japan: Report from the SENTRY Antimicrobial Surveillance Program (1998â€“2002). Diagnostic Microbiology and Infectious Disease, 2004, 49, 289-294.	1.8	27
67	The First Metallo-Î²-Lactamase Identified in Norway Is Associated with a TniC-Like Transposon in a Pseudomonas aeruginosa Isolate of Sequence Type 233 Imported from Ghana. Antimicrobial Agents and Chemotherapy, 2009, 53, 331-332.	3.2	26
68	A Promising Target for Treatment of Multidrug-Resistant Bacterial Infections. Antimicrobial Agents and Chemotherapy, 2011, 55, 3635-3636.	3.2	25
69	Complete Sequence of p07-406, a 24,179-Base-Pair Plasmid Harboring the bla _{VIM-7} Metallo-Î²-Lactamase Gene in a Pseudomonas aeruginosa Isolate from the United States. Antimicrobial Agents and Chemotherapy, 2008, 52, 3099-3105.	3.2	23
70	Co-existence of bla _{NDM-1} and bla _{KPC-2} in clinical isolates of Klebsiella pneumoniae from Pakistan. Journal of Chemotherapy, 2016, 28, 346-349.	1.5	23
71	Comment on: Occurrence, prevalence and genetic environment of CTX-M Â-lactamases in Enterobacteriaceae from Indian hospitals. Journal of Antimicrobial Chemotherapy, 2007, 59, 799-800.	3.0	22
72	Salmonella bloodstream infections: report from the SENTRY Antimicrobial Surveillance Program (1997â€“2001). International Journal of Antimicrobial Agents, 2003, 22, 395-405.	2.5	21

#	Article	IF	Citations
73	Random insertion and gene disruption via transposon mutagenesis of Ureaplasma parvum using a mini-transposon plasmid. International Journal of Medical Microbiology, 2014, 304, 1218-1225.	3.6	20
74	Analysis of Escherichia coli STs and resistance mechanisms in sewage from Islamabad, Pakistan indicates a difference in E. coli carriage types between South Asia and Europe. Journal of Antimicrobial Chemotherapy, 2018, 73, 1781-1785.	3.0	19
75	Clinical and Molecular Description of a High-Copy IncQ1 KPC-2 Plasmid Harbored by the International ST15 Klebsiella pneumoniae Clone. MSphere, 2020, 5, .	2.9	19
76	Association of blaDHA-1 and qnrB genes carried by broad-host-range plasmids among isolates of Enterobacteriaceae at a Spanish hospital. Clinical Microbiology and Infection, 2011, 17, 1514-1517.	6.0	18
77	Fate of antibiotic resistant E. coli and antibiotic resistance genes during full scale conventional and advanced anaerobic digestion of sewage sludge. PLoS ONE, 2020, 15, e0237283.	2.5	18
78	The ISâ€“business relationship and its implications for performance: An empirical study of South African and Australian organisations. International Journal of Information Management, 2006, 26, 457-468.	17.5	16
79	Identical Miniature Inverted Repeat Transposable Elements Flank Class 1 Integrons in Clinical Isolates of Acinetobacter spp. Journal of Clinical Microbiology, 2013, 51, 2382-2384.	3.9	16
80	The present danger of New Delhi metallo-Î²-lactamase: a threat to public health. Future Microbiology, 2020, 15, 1759-1778.	2.0	16
81	Human carriage of cefotaxime-resistant Escherichia coli in North-East India: an analysis of STs and associated resistance mechanisms. Journal of Antimicrobial Chemotherapy, 2020, 75, 72-76.	3.0	15
82	First identification of clinical isolate of a Novel â€œNDM-4â€•producing Escherichia coli ST405 from urine sample in Pakistan. Brazilian Journal of Microbiology, 2018, 49, 949-950.	2.0	12
83	Molecular Analysis of the Sequences Surrounding bla _{OXA-45} Reveals Acquisition of This Gene by Pseudomonas aeruginosa via a Novel IS CR Element, IS CR5. Antimicrobial Agents and Chemotherapy, 2009, 53, 1248-1251.	3.2	11
84	High Prevalence of Intra-Familial Co-colonization by Extended-Spectrum Cephalosporin Resistant Enterobacteriaceae in Preschool Children and Their Parents in Dutch Households. Frontiers in Microbiology, 2018, 9, 293.	3.5	11
85	Characterization of a carbapenemase-producing clinical isolate of Bacteroides fragilis in Scandinavia: Genetic analysis of a unique insertion sequence. Scandinavian Journal of Infectious Diseases, 2005, 37, 676-679.	1.5	9
86	Detection of BKC-1 in Citrobacter freundii: A clue to mobilisation in an IncQ1 plasmid carrying blaBKC-1. International Journal of Antimicrobial Agents, 2020, 56, 106042.	2.5	9
87	Effective phage cocktail to combat the rising incidence of extensively drug-resistant Klebsiella pneumoniae sequence type 16. Emerging Microbes and Infections, 2022, 11, 1015-1023.	6.5	9
88	The impact of national culture on software engineering practices. International Journal of Technology, Policy and Management, 2008, 8, 76.	0.3	8
89	First description of Klebsiella pneumoniae clinical isolates carrying both qnrA and qnrB genes in Portugal. International Journal of Antimicrobial Agents, 2010, 35, 584-586.	2.5	8
90	New Delhi metallo-Î²-lactamase 1 â€“ Authors' reply. Lancet Infectious Diseases, The, 2010, 10, 752-754.	9.1	8

#	Article	IF	Citations
91	Genetic & virulence profiling of ESBL-positive E. coli from nosocomial & veterinary sources. Veterinary Microbiology, 2016, 186, 37-43.	1.9	8
92	Direct in Gel Genomic Detection of Antibiotic Resistance Genes in S1 Pulsed Field Electrophoresis Gels. Methods in Molecular Biology, 2018, 1736, 129-136.	0.9	8
93	BKC-2, a New BKC Variant Detected in MCR-9.1-Producing Enterobacter hormaechei subsp. xiangfangensis. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	8
94	The Future of Peritoneal Dialysis in a Moving Landscape of Bacterial Resistance. Peritoneal Dialysis International, 2017, 37, 134-140.	2.3	7
95	Emergence of mcr-1 mediated colistin resistant Escherichia coli from a hospitalized patient in Bangladesh. Journal of Infection in Developing Countries, 2019, 13, 773-776.	1.2	7
96	Clinical utilization of bacteriophages: a new perspective to combat the antimicrobial resistance in Brazil. Brazilian Journal of Infectious Diseases, 2020, 24, 239-246.	0.6	6
97	Reply to â€œGenetic Contexts of bla _{NDM-1} â€• Antimicrobial Agents and Chemotherapy, 2012, 56, 6071-6071.	3.2	4
98	Dissemination of NDM-1 â€“ Authors' reply. Lancet Infectious Diseases, The, 2012, 12, 101-102.	9.1	2
99	The challenge to patient safety by emerging Gram negative pathogens. Journal of Infection and Public Health, 2014, 7, 1-5.	4.1	1
100	Complete Genome Sequence of the Virulent Klebsiella pneumoniae Phage Geezett Infecting Multidrug-Resistant Clinical Strains. Microbiology Resource Announcements, 2021, 10, e0068521.	0.6	1
101	O492 VIM-2 metallo-Î²-lactamases genes found in Pseudomonas aeruginosa and Acinetobacter spp. from Russia and associated with unusual integrons. International Journal of Antimicrobial Agents, 2007, 29, S106.	2.5	0
102	O493 VIM-2 metallo-Î²-lactamase emerges in Pseudomonas aeruginosa isolated from India. International Journal of Antimicrobial Agents, 2007, 29, S107.	2.5	0
103	P1020 Genotypic characterisation of Norwegian Escherichia coli clinical isolates with an AmpC-resistance profile. International Journal of Antimicrobial Agents, 2007, 29, S273.	2.5	0
104	Title is missing!. , 2020, 15, e0237283.		0
105	Title is missing!. , 2020, 15, e0237283.		0
106	Title is missing!. , 2020, 15, e0237283.		0
107	Title is missing!. , 2020, 15, e0237283.		0