

# Ruth M Hall

## List of Publications by Citations

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192  
papers

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46  
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82  
g-index

199  
ext. papers

10,108  
ext. citations

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6.65  
L-index

#	Paper	IF	Citations
192	Mobile gene cassettes and integrons: capture and spread of genes by site-specific recombination. <i>Molecular Microbiology</i> , <b>1995</b> , 15, 593-600	4.1	524
191	Transposon Tn21, flagship of the floating genome. <i>Microbiology and Molecular Biology Reviews</i> , <b>1999</b> , 63, 507-22	13.2	441
190	Structure and function of 59-base element recombination sites associated with mobile gene cassettes. <i>Molecular Microbiology</i> , <b>1997</b> , 26, 731-45	4.1	252
189	Antibiotic resistance in gram-negative bacteria: the role of gene cassettes and integrons. <i>Drug Resistance Updates</i> , <b>1998</b> , 1, 109-19	23.2	199
188	Movement of IS26-associated antibiotic resistance genes occurs via a translocatable unit that includes a single IS26 and preferentially inserts adjacent to another IS26. <i>MBio</i> , <b>2014</b> , 5, e01801-14	7.8	186
187	Site-specific insertion of gene cassettes into integrons. <i>Molecular Microbiology</i> , <b>1993</b> , 9, 41-52	4.1	170
186	Variation in the complex carbohydrate biosynthesis loci of <i>Acinetobacter baumannii</i> genomes. <i>PLoS ONE</i> , <b>2013</b> , 8, e62160	3.7	167
185	Origins of the mobile gene cassettes found in integrons. <i>Trends in Microbiology</i> , <b>1997</b> , 5, 389-94	12.4	166
184	Transposons Tn1696 and Tn21 and their integrons In4 and In2 have independent origins. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2001</b> , 45, 1263-70	5.9	157
183	The genomic island SGI1, containing the multiple antibiotic resistance region of <i>Salmonella enterica</i> serovar Typhimurium DT104 or variants of it, is widely distributed in other <i>S. enterica</i> serovars. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 4401-9	3.5	148
182	Gene cassettes from the insert region of integrons are excised as covalently closed circles. <i>Molecular Microbiology</i> , <b>1992</b> , 6, 2875-85	4.1	146
181	Nucleotide sequence of the AAD(2) aminoglycoside adenyltransferase determinant aadB. Evolutionary relationship of this region with those surrounding aadA in R538-1 and dhfrII in R388. <i>Nucleic Acids Research</i> , <b>1986</b> , 14, 8625-35	20.1	145
180	Commensal <i>Escherichia coli</i> of healthy humans: a reservoir for antibiotic-resistance determinants. <i>Journal of Medical Microbiology</i> , <b>2010</b> , 59, 1331-1339	3.2	137
179	IS26-Mediated Formation of Transposons Carrying Antibiotic Resistance Genes. <i>MSphere</i> , <b>2016</b> , 1,	5	128
178	In34, a complex In5 family class 1 integron containing orf513 and dfrA10. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2003</b> , 47, 342-9	5.9	120
177	Family of class 1 integrons related to In4 from Tn1696. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2001</b> , 45, 3014-20	5.9	119
176	Evolution of AbaR-type genomic resistance islands in multiply antibiotic-resistant <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2010</b> , 65, 1162-70	5.1	111

175	Salmonella genomic islands and antibiotic resistance in Salmonella enterica. <i>Future Microbiology</i> , <b>2010</b> , 5, 1525-38	2.9	99
174	The A to Z of A/C plasmids. <i>Plasmid</i> , <b>2015</b> , 80, 63-82	3.3	98
173	Distribution of the blaTEM gene and blaTEM-containing transposons in commensal Escherichia coli. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2011</b> , 66, 745-51	5.1	97
172	Characterisation of specific and secondary recombination sites recognised by the integron DNA integrase. <i>Nucleic Acids Research</i> , <b>1994</b> , 22, 2071-8	20.1	96
171	Characterization of the class 3 integron and the site-specific recombination system it determines. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 3017-26	3.5	95
170	Definition of the attI1 site of class 1 integrons. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 11), 2855-2864	2.6	94
169	Binding of the purified integron DNA integrase IntI1 to integron- and cassette-associated recombination sites. <i>Molecular Microbiology</i> , <b>1998</b> , 29, 477-90	4.1	90
168	AbaR5, a large multiple-antibiotic resistance region found in Acinetobacter baumannii. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 2667-71	5.9	88
167	The IS1111 family members IS4321 and IS5075 have subterminal inverted repeats and target the terminal inverted repeats of Tn21 family transposons. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 6371-84	3.5	87
166	ISMMapper: identifying transposase insertion sites in bacterial genomes from short read sequence data. <i>BMC Genomics</i> , <b>2015</b> , 16, 667	4.5	81
165	Sequence analysis of the inducible chloramphenicol resistance determinant in the Tn1696 integron suggests regulation by translational attenuation. <i>Plasmid</i> , <b>1991</b> , 26, 10-9	3.3	79
164	Transposons related to Tn1696 in IncHI2 plasmids in multiply antibiotic resistant Salmonella enterica serovar Typhimurium from Australian animals. <i>Microbial Drug Resistance</i> , <b>2010</b> , 16, 197-202	2.9	77
163	Efficiency of recombination reactions catalyzed by class 1 integron integrase IntI1. <i>Journal of Bacteriology</i> , <b>2001</b> , 183, 2535-42	3.5	76
162	Integrons and gene cassettes: hotspots of diversity in bacterial genomes. <i>Annals of the New York Academy of Sciences</i> , <b>2012</b> , 1267, 71-8	6.5	74
161	Structure and context of Acinetobacter transposons carrying the oxa23 carbapenemase gene. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 1135-47	5.1	72
160	Aminoglycoside resistance in multiply antibiotic-resistant Acinetobacter baumannii belonging to global clone 2 from Australian hospitals. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2011</b> , 66, 1504-9	5.1	70
159	AbaR4 replaces AbaR3 in a carbapenem-resistant Acinetobacter baumannii isolate belonging to global clone 1 from an Australian hospital. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2011</b> , 66, 2484-91	5.1	70
158	Five decades of genome evolution in the globally distributed, extensively antibiotic-resistant global clone 1. <i>Microbial Genomics</i> , <b>2016</b> , 2, e000052	4.4	68

157	Structure of the K2 capsule associated with the KL2 gene cluster of <i>Acinetobacter baumannii</i> . <i>Glycobiology</i> , <b>2014</b> , 24, 554-63	5.8	57
156	IS26-Mediated Precise Excision of the IS26-aphA1a Translocatable Unit. <i>MBio</i> , <b>2015</b> , 6, e01866-15	7.8	57
155	SGI2, a relative of Salmonella genomic island SGI1 with an independent origin. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 2529-37	5.9	57
154	Plasmid evolution by acquisition of mobile gene cassettes: plasmid pIE723 contains the aadB gene cassette precisely inserted at a secondary site in the incQ plasmid RSF1010. <i>Molecular Microbiology</i> , <b>1995</b> , 15, 179-87	4.1	56
153	SGI1-K, a variant of the SGI1 genomic island carrying a mercury resistance region, in <i>Salmonella enterica</i> serovar Kentucky. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 317-23	5.9	54
152	Integron-encoded Intl integrases preferentially recognize the adjacent cognate attI site in recombination with a 59-be site. <i>Molecular Microbiology</i> , <b>2002</b> , 46, 1415-27	4.1	51
151	5,7-di-N-acetyl-acinetaminic acid: A novel non-2-ulosonic acid found in the capsule of an <i>Acinetobacter baumannii</i> isolate. <i>Glycobiology</i> , <b>2015</b> , 25, 644-54	5.8	50
150	A novel family of genomic resistance islands, AbGRI2, contributing to aminoglycoside resistance in <i>Acinetobacter baumannii</i> isolates belonging to global clone 2. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2013</b> , 68, 554-7	5.1	50
149	pRMH760, a precursor of A/C $\beta$ plasmids carrying bla <sub>CMY</sub> and bla <sub>NDM</sub> genes. <i>Microbial Drug Resistance</i> , <b>2014</b> , 20, 416-23	2.9	49
148	A GC1 <i>Acinetobacter baumannii</i> isolate carrying AbaR3 and the aminoglycoside resistance transposon TnaphA6 in a conjugative plasmid. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 955-8	5.1	49
147	ISAbal targets a specific position upstream of the intrinsic ampC gene of <i>Acinetobacter baumannii</i> leading to cephalosporin resistance. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2013</b> , 68, 2682-3	5.1	48
146	Variants of the gentamicin and tobramycin resistance plasmid pRAY are widely distributed in <i>Acinetobacter</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 2833-6	5.1	45
145	Tn6167, an antibiotic resistance island in an Australian carbapenem-resistant <i>Acinetobacter baumannii</i> GC2, ST92 isolate. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 1342-6	5.1	45
144	The Determinant and the Genes in <i>Acinetobacter</i> Plasmids Are Each Part of Discrete Modules Flanked by Inversely Oriented p (XerC-XerD) Sites. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	44
143	A conjugative plasmid carrying the carbapenem resistance gene bla <sub>OXA-23</sub> in AbaR4 in an extensively resistant GC1 <i>Acinetobacter baumannii</i> isolate. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 2625-8	5.1	44
142	<i>Acinetobacter baumannii</i> K27 and K44 capsular polysaccharides have the same K unit but different structures due to the presence of distinct wzy genes in otherwise closely related K gene clusters. <i>Glycobiology</i> , <b>2016</b> , 26, 501-8	5.8	41
141	Identification of loci for capsular polysaccharide (KL) and lipooligosaccharide outer core (OCL) synthesis in genome assemblies using curated reference databases compatible with. <i>Microbial Genomics</i> , <b>2020</b> , 6,	4.4	41
140	Class 1 integron containing a new gene cassette, aadA10, associated with Tn1404 from R151. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2002</b> , 46, 2400-8	5.9	40

139	Distribution of human commensal <i>Escherichia coli</i> phylogenetic groups. <i>Journal of Clinical Microbiology</i> , <b>2010</b> , 48, 3455-6	9.7	39
138	Tn1403, a multiple-antibiotic resistance transposon made up of three distinct transposons. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 1827-9	5.9	39
137	Variation in the OC locus of <i>Acinetobacter baumannii</i> genomes predicts extensive structural diversity in the lipooligosaccharide. <i>PLoS ONE</i> , <b>2014</b> , 9, e107833	3.7	39
136	Genomic resistance island AGI1 carrying a complex class 1 integron in a multiply antibiotic-resistant ST25 <i>Acinetobacter baumannii</i> isolate. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 2519-23	5.1	38
135	Compatibility and entry exclusion of IncA and IncC plasmids revisited: IncA and IncC plasmids are compatible. <i>Plasmid</i> , <b>2018</b> , 96-97, 7-12	3.3	38
134	Evolution of a multiple antibiotic resistance region in IncHI1 plasmids: reshaping resistance regions in situ. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 2848-53	5.1	37
133	New integron-associated gene cassette encoding a 3-N-aminoglycoside acetyltransferase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2005</b> , 49, 1238-41	5.9	37
132	Glsul2, a genomic island carrying the sul2 sulphonamide resistance gene and the small mobile element CR2 found in the <i>Enterobacter cloacae</i> subspecies <i>cloacae</i> type strain ATCC 13047 from 1890, <i>Shigella flexneri</i> ATCC 700930 from 1954 and <i>Acinetobacter baumannii</i> ATCC 17978 from 1951. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2011</b> , 66, 2175-6	5.1	36
131	Evolution of IncHI2 plasmids via acquisition of transposons carrying antibiotic resistance determinants. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 1121-7	5.1	36
130	Repeated local emergence of carbapenem-resistant in a single hospital ward. <i>Microbial Genomics</i> , <b>2016</b> , 2, e000050	4.4	36
129	Tn6168, a transposon carrying an ISAbal-activated ampC gene and conferring cephalosporin resistance in <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 77-80	5.1	34
128	Evolution of AbGRI2-0, the Progenitor of the AbGRI2 Resistance Island in Global Clone 2 of <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 60, 1421-9	5.9	33
127	K19 capsular polysaccharide of <i>Acinetobacter baumannii</i> is produced via a Wzy polymerase encoded in a small genomic island rather than the KL19 capsule gene cluster. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 1479-1489	2.9	33
126	<i>Acinetobacter baumannii</i> K11 and K83 capsular polysaccharides have the same 6-deoxy-L-talose-containing pentasaccharide K units but different linkages between the K units. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 648-655	7.9	32
125	The AbaR antibiotic resistance islands found in <i>Acinetobacter baumannii</i> global clone 1 - Structure, origin and evolution. <i>Drug Resistance Updates</i> , <b>2018</b> , 41, 26-39	23.2	31
124	Resistance gene naming and numbering: is it a new gene or not?. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 569-71	5.1	30
123	Horizontal transfer of an ISAbal25-activated ampC gene between <i>Acinetobacter baumannii</i> strains leading to cephalosporin resistance. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2013</b> , 68, 244-5	5.1	29
122	Prediction of antibiotic resistance from antibiotic resistance genes detected in antibiotic-resistant commensal <i>Escherichia coli</i> using PCR or WGS. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 700-704	5.1	29

121	Variants of AbGRI3 carrying the <i>arma</i> gene in extensively antibiotic-resistant <i>Acinetobacter baumannii</i> from Singapore. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 1031-1039	5.1	28
120	Distribution of the <i>bla</i> OXA-23-containing transposons Tn2006 and Tn2008 in Australian carbapenem-resistant <i>Acinetobacter baumannii</i> isolates. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 2409-11	5.1	28
119	Loss and gain of aminoglycoside resistance in global clone 2 <i>Acinetobacter baumannii</i> in Australia via modification of genomic resistance islands and acquisition of plasmids. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 2432-40	5.1	28
118	Evolution and typing of <i>IncC</i> plasmids contributing to antibiotic resistance in Gram-negative bacteria. <i>Plasmid</i> , <b>2018</b> , 99, 40-55	3.3	28
117	Structures bounded by directly-oriented members of the IS26 family are pseudo-compound transposons. <i>Plasmid</i> , <b>2020</b> , 111, 102530	3.3	28
116	<i>IncM</i> Plasmid R1215 Is the Source of Chromosomally Located Regions Containing Multiple Antibiotic Resistance Genes in the Globally Disseminated <i>Acinetobacter baumannii</i> GC1 and GC2 Clones. <i>MSphere</i> , <b>2016</b> , 1,	5	28
115	pCERC3 from a commensal ST95 <i>Escherichia coli</i> : A ColV virulence-multiresistance plasmid carrying a <i>sul3</i> -associated class 1 integron. <i>Plasmid</i> , <b>2016</b> , 84-85, 11-9	3.3	27
114	pCERC1, a small, globally disseminated plasmid carrying the <i>dfrA14</i> cassette in the <i>strA</i> gene of the <i>sul2-strA-strB</i> gene cluster. <i>Microbial Drug Resistance</i> , <b>2012</b> , 18, 364-71	2.9	27
113	Antibiotic resistance islands in A320 (RUH134), the reference strain for <i>Acinetobacter baumannii</i> global clone 2. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 335-8	5.1	27
112	Plasmids in antibiotic susceptible and antibiotic resistant commensal <i>Escherichia coli</i> from healthy Australian adults. <i>Plasmid</i> , <b>2015</b> , 80, 24-31	3.3	26
111	Evolution of Regions Containing Antibiotic Resistance Genes in FII-2-FIB-1 ColV-Colla Virulence Plasmids. <i>Microbial Drug Resistance</i> , <b>2018</b> , 24, 411-421	2.9	25
110	Related structures of neutral capsular polysaccharides of <i>Acinetobacter baumannii</i> isolates that carry related capsule gene clusters KL43, KL47, and KL88. <i>Carbohydrate Research</i> , <b>2016</b> , 435, 173-179	2.9	25
109	Emergence and evolution of multiply antibiotic-resistant <i>Salmonella enterica</i> serovar Paratyphi B D-tartrate-utilizing strains containing SG11. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 2319-26	5.9	25
108	Correctly identifying the streptothricin resistance gene cassette. <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 4298-300	9.7	25
107	The KL24 gene cluster and a genomic island encoding a Wzy polymerase contribute genes needed for synthesis of the K24 capsular polysaccharide by the multiply antibiotic resistant <i>Acinetobacter baumannii</i> isolate RCH51. <i>Microbiology (United Kingdom)</i> , <b>2017</b> , 163, 355-363	2.9	25
106	5,7-Di-N-acetyl-8-epiacinetaminic acid: A new non-2-ulosonic acid found in the K73 capsule produced by an <i>Acinetobacter baumannii</i> isolate from Singapore. <i>Scientific Reports</i> , <b>2017</b> , 7, 11357	4.9	24
105	Integrations or super integrations?. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 3-4	2.9	24
104	Targeted conservative formation of cointegrates between two DNA molecules containing IS26 occurs via strand exchange at either IS end. <i>Molecular Microbiology</i> , <b>2017</b> , 106, 409-418	4.1	24



103	Database for the ampC alleles in <i>Acinetobacter baumannii</i> . <i>PLoS ONE</i> , <b>2017</b> , 12, e0176695	3.7	24
102	A large conjugative <i>Acinetobacter baumannii</i> plasmid carrying the sul2 sulphonamide and strAB streptomycin resistance genes. <i>Plasmid</i> , <b>2016</b> , 87-88, 43-50	3.3	24
101	Carbapenem and amikacin resistance on a large conjugative <i>Acinetobacter baumannii</i> plasmid. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 1259-61	5.1	23
100	Unusual class 1 integron configuration found in <i>Salmonella</i> genomic island 2 from <i>Salmonella enterica</i> serovar Emek. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 513-6	5.9	23
99	The multiresistant <i>Acinetobacter baumannii</i> European clone I type strain RUH875 (A297) carries a genomic antibiotic resistance island AbaR21, plasmid pRAY and a cluster containing ISAb1-sul2-CR2-strB-strA. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2011</b> , 66, 1928-30	5.1	23
98	Detection of gene cassettes in Tn402-like class 1 integrons. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 3467-8	5.9	23
97	An analysis of the IS/IS family of insertion sequences: is it a single family?. <i>Microbial Genomics</i> , <b>2019</b> , 5,	4.4	23
96	Destabilization of IncA and IncC plasmids by SGI1 and SGI2 type <i>Salmonella</i> genomic islands. <i>Plasmid</i> , <b>2016</b> , 87-88, 51-57	3.3	23
95	<i>Acinetobacter baumannii</i> K13 and K73 capsular polysaccharides differ only in K-unit side branches of novel non-2-ulosonic acids: di-N-acetylated forms of either acinetaminic acid or 8-epiacinetaminic acid. <i>Carbohydrate Research</i> , <b>2017</b> , 452, 149-155	2.9	22
94	Structure of the K6 capsular polysaccharide from <i>Acinetobacter baumannii</i> isolate RBH4. <i>Carbohydrate Research</i> , <b>2015</b> , 409, 30-5	2.9	22
93	Genome Sequence of <i>Acinetobacter baumannii</i> Strain A1, an Early Example of Antibiotic-Resistant Global Clone 1. <i>Genome Announcements</i> , <b>2015</b> , 3,		22
92	Problems with the Oxford Multilocus Sequence Typing Scheme for <i>Acinetobacter baumannii</i> : Do Sequence Type 92 (ST92) and ST109 Exist?. <i>Journal of Clinical Microbiology</i> , <b>2017</b> , 55, 2287-2289	9.7	21
91	<i>Acinetobacter baumannii</i> K20 and K21 capsular polysaccharide structures establish roles for UDP-glucose dehydrogenase Ugd2, pyruvyl transferase Ptr2 and two glycosyltransferases. <i>Glycobiology</i> , <b>2018</b> , 28, 876-884	5.8	21
90	Insertions in the OCL1 locus of <i>Acinetobacter baumannii</i> lead to shortened lipooligosaccharides. <i>Research in Microbiology</i> , <b>2014</b> , 165, 472-5	4	20
89	pACICU2 is a conjugative plasmid of <i>Acinetobacter</i> carrying the aminoglycoside resistance transposon TnaphA6. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 1146-8	5.1	20
88	Transposon Tn5393e carrying the aphA1-containing transposon Tn6023 upstream of strAB does not confer resistance to streptomycin. <i>Microbial Drug Resistance</i> , <b>2011</b> , 17, 389-94	2.9	20
87	Structure of the K12 capsule containing 5,7-di-N-acetylacinetaminic acid from <i>Acinetobacter baumannii</i> isolate D36. <i>Glycobiology</i> , <b>2015</b> , 25, 881-7	5.8	19
86	Structural determination of the K14 capsular polysaccharide from an ST25 <i>Acinetobacter baumannii</i> isolate, D46. <i>Carbohydrate Research</i> , <b>2015</b> , 417, 52-6	2.9	19

85	Structure of repeating unit of the capsular polysaccharide from <i>Acinetobacter baumannii</i> D78 and assignment of the K4 gene cluster. <i>Carbohydrate Research</i> , <b>2016</b> , 434, 12-17	2.9	19
84	p39R861-4, A Type 2 A/C2 Plasmid Carrying a Segment from the A/C1 Plasmid RA1. <i>Microbial Drug Resistance</i> , <b>2015</b> , 21, 571-6	2.9	18
83	The structure of a partial duplication in the integron of plasmid pDGO100. <i>Plasmid</i> , <b>1990</b> , 23, 76-9	3.3	18
82	pIP40a, a type 1 IncC plasmid from 1969 carries the integrative element GIsul2 and a novel class II mercury resistance transposon. <i>Plasmid</i> , <b>2017</b> , 92, 17-25	3.3	17
81	An IS26 variant with enhanced activity. <i>FEMS Microbiology Letters</i> , <b>2019</b> , 366,	2.9	16
80	Resistance to third-generation cephalosporins in <i>Acinetobacter baumannii</i> due to horizontal transfer of a chromosomal segment containing ISAb1-ampC. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 2865-6	5.1	16
79	Unusual class 1 integron-associated gene cassette configuration found in IncA/C plasmids from <i>Salmonella enterica</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 2640-2	5.9	16
78	Antibiotic-resistant <i>Acinetobacter baumannii</i> variants belonging to global clone 1. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 1039-40	5.1	16
77	Evolution of a clade of <i>Acinetobacter baumannii</i> global clone 1, lineage 1 via acquisition of carbapenem- and aminoglycoside-resistance genes and dispersion of ISAb1. <i>Microbial Genomics</i> , <b>2019</b> , 5,	4.4	16
76	pBuzz: A cryptic rolling-circle plasmid from a commensal <i>Escherichia coli</i> has two inversely oriented oriTs and is mobilised by a B/O plasmid. <i>Plasmid</i> , <b>2019</b> , 101, 10-19	3.3	16
75	Genetic structure of four plasmids found in <i>Acinetobacter baumannii</i> isolate D36 belonging to lineage 2 of global clone 1. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204357	3.7	16
74	The complete sequence of <i>Salmonella</i> genomic island SGI1-K. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 305-6	5.1	15
73	IS Family Members IS and IS Also Form Cointegrates by Copy-In and Targeted Conservative Routes. <i>MSphere</i> , <b>2020</b> , 5,	5	15
72	Identification of a marker for two lineages within the GC1 clone of <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 557-8	5.1	15
71	Origin of the AbGRI1 antibiotic resistance island found in the comM gene of <i>Acinetobacter baumannii</i> GC2 isolates. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 2944-2947	5.1	15
70	A type 2 A/C2 plasmid carrying the aacC4 apramycin resistance gene and the erm(42) erythromycin resistance gene recovered from two <i>Salmonella enterica</i> serovars. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 1021-5	5.1	15
69	New integron-associated gene cassette encoding a trimethoprim-resistant DfrB-type dihydrofolate reductase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 2863-5	5.9	15
68	Genomic epidemiology of severe community-onset <i>Acinetobacter baumannii</i> infection. <i>Microbial Genomics</i> , <b>2019</b> , 5,	4.4	15



67	The K46 and K5 capsular polysaccharides produced by <i>Acinetobacter baumannii</i> NIPH 329 and SDF have related structures and the side-chain non-ulosonic acids are 4-O-acetylated by phage-encoded O-acetyltransferases. <i>PLoS ONE</i> , <b>2019</b> , 14, e0218461	3.7	13
66	Mobilisation of a small <i>Acinetobacter</i> plasmid carrying an oriT transfer origin by conjugative RepAci6 plasmids. <i>Plasmid</i> , <b>2019</b> , 103, 36-44	3.3	13
65	A small <i>Acinetobacter</i> plasmid carrying the tet39 tetracycline resistance determinant. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 269-71	5.1	13
64	Unambiguous numbering of antibiotic resistance genes. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2003</b> , 47, 3998; discussion 3998-9	5.9	13
63	K17 capsular polysaccharide produced by <i>Acinetobacter baumannii</i> isolate G7 contains an amide of 2-acetamido-2-deoxy-d-galacturonic acid with d-alanine. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 144, 857-862	7.9	13
62	Production of the K16 capsular polysaccharide by <i>Acinetobacter baumannii</i> ST25 isolate D4 involves a novel glycosyltransferase encoded in the KL16 gene cluster. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 101-106	7.9	12
61	The complete sequence of Salmonella genomic island SGI2. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 617-9	5.1	12
60	Does the intrinsic oxaAb (blaOXA-51-like) gene of <i>Acinetobacter baumannii</i> confer resistance to carbapenems when activated by ISAb1?. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 3518-3520	5.1	12
59	Analysis of pCERC7, a small antibiotic resistance plasmid from a commensal ST131 <i>Escherichia coli</i> , defines a diverse group of plasmids that include various segments adjacent to a multimer resolution site and encode the same NikA relaxase accessory protein enabling mobilisation. <i>Plasmid</i> , <b>2017</b> , 89, 42-48	3.3	12
58	Genome Sequence of <i>Acinetobacter baumannii</i> Strain D36, an Antibiotic-Resistant Isolate from Lineage 2 of Global Clone 1. <i>Genome Announcements</i> , <b>2015</b> , 3,		12
57	Evolution of IncHI1 plasmids: two distinct lineages. <i>Plasmid</i> , <b>2013</b> , 70, 201-8	3.3	12
56	The K90 capsular polysaccharide produced by <i>Acinetobacter baumannii</i> LUH5553 contains di-N-acetylpsseudaminic acid and is structurally related to the K7 polysaccharide from <i>A. baumannii</i> LUH5533. <i>Carbohydrate Research</i> , <b>2019</b> , 479, 1-5	2.9	11
55	The resistance gene complement of D4, a multiply antibiotic-resistant ST25 <i>Acinetobacter baumannii</i> isolate, resides in two genomic islands and a plasmid. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 1730-2	5.1	11
54	pKM101 is an IS46-promoted deletion of R46. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 5479	20.1	11
53	PCR-based typing of IncC plasmids. <i>Plasmid</i> , <b>2016</b> , 87-88, 37-42	3.3	11
52	Evolution in situ of ARI-A in pB2-1, a type 1 IncC plasmid recovered from <i>Klebsiella pneumoniae</i> , and stability of Tn4352B. <i>Plasmid</i> , <b>2017</b> , 94, 7-14	3.3	10
51	<i>Acinetobacter baumannii</i> ATCC 19606 Carries Glsul2 in a Genomic Island Located in the Chromosome. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	10
50	What are superintegrons?. <i>Nature Reviews Microbiology</i> , <b>2007</b> , 5, C1; author reply C2	22.2	10

49	K units of the K8 and K54 capsular polysaccharides produced by <i>Acinetobacter baumannii</i> BAL 097 and RCH52 have the same structure but contain different di-N-acyl derivatives of legionaminic acid and are linked differently. <i>Carbohydrate Research</i> , <b>2019</b> , 483, 107745	2.9	9
48	Amikacin resistance plasmids in extensively antibiotic-resistant GC2 <i>Acinetobacter baumannii</i> from two Australian hospitals. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 3435-7	5.1	9
47	Corrected Genome Sequence of Strain AB0057, an Antibiotic-Resistant Isolate from Lineage 1 of Global Clone 1. <i>Genome Announcements</i> , <b>2017</b> , 5,		9
46	<i>Acinetobacter baumannii</i> isolate BAL_212 from Vietnam produces the K57 capsular polysaccharide containing a rarely occurring amino sugar N-acetylviosamine. <i>Microbiology (United Kingdom)</i> , <b>2018</b> , 164, 217-220	2.9	9
45	Genetics of biosynthesis and structure of the K53 capsular polysaccharide of <i>Acinetobacter baumannii</i> D23 made up of a disaccharide K unit. <i>Microbiology (United Kingdom)</i> , <b>2018</b> , 164, 1289-1292	2.9	9
44	Structure of the K128 capsular polysaccharide produced by <i>Acinetobacter baumannii</i> KZ-1093 from Kazakhstan. <i>Carbohydrate Research</i> , <b>2019</b> , 485, 107814	2.9	8
43	RCH51, a multiply antibiotic-resistant <i>Acinetobacter baumannii</i> ST103IP isolate, carries resistance genes in three plasmids, including a novel potentially conjugative plasmid carrying <i>oxa235</i> in transposon Tn6252. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 1907-1910	5.1	8
42	Evolution of IncP-1 $\phi$ plasmids by acquisition of antibiotic and mercuric ion resistance transposons. <i>Microbial Drug Resistance</i> , <b>2011</b> , 17, 339-43	2.9	8
41	Antibiotic resistance gene cluster of pAPEC-O1-R. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 3461-2	5.9	8
40	SGI0, a relative of <i>Salmonella</i> genomic islands SGI1 and SGI2, lacking a class 1 integron, found in <i>Proteus mirabilis</i> . <i>Plasmid</i> , <b>2020</b> , 107, 102453	3.3	8
39	Involvement of a multifunctional rhamnosyltransferase in the synthesis of three related <i>Acinetobacter baumannii</i> capsular polysaccharides, K55, K74 and K85. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 166, 1230-1237	7.9	8
38	Two New SGI1-LK Variants Found in <i>Proteus mirabilis</i> and Evolution of the SGI1-HKL Group of Genomic Islands. <i>MSphere</i> , <b>2020</b> , 5,	5	7
37	Gene cassette encoding a 3-N-aminoglycoside acetyltransferase in a chromosomal integron. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 2270-1	5.9	7
36	Comparison of the structure-activity relationships of the integron-associated recombination sites <i>attI3</i> and <i>attI1</i> reveals common features. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 1591-1601	2.9	7
35	Targeted Conservative Cointegrate Formation Mediated by IS Family Members Requires Sequence Identity at the Reacting End. <i>MSphere</i> , <b>2021</b> , 6,	5	7
34	Novel trimethoprim resistance gene, <i>dfrA35</i> , in IncC plasmids from Australia. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 1863-1866	5.1	6
33	Analysis of two B/O plasmids, R805a from 1972 and pCERC6 from 2008, reveals extensive mosaicism in B/O plasmid backbones. <i>Plasmid</i> , <b>2019</b> , 102, 62-70	3.3	6
32	Insights from the revised complete genome sequences of strains AB307-0294 and ACICU belonging to global clones 1 and 2. <i>Microbial Genomics</i> , <b>2019</b> , 5,	4.4	5

31	The Complete Nucleotide Sequence of pZM3, a 1970 FIA:FIB:FII Plasmid Carrying Antibiotic Resistance and Virulence Determinants. <i>Microbial Drug Resistance</i> , <b>2020</b> , 26, 438-446	2.9	5
30	IS26 cannot move alone. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 1428-1432	5.1	5
29	K106 and K112: Two Structurally and Genetically Related 6-Deoxy-l-talose-Containing Capsular Polysaccharides. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
28	An improved plasmid size standard, 39R861. <i>Plasmid</i> , <b>2019</b> , 102, 6-9	3.3	4
27	Complete Genome Sequence of A388, an Antibiotic-Resistant <i>Acinetobacter baumannii</i> Global Clone 1 Isolate from Greece. <i>Microbiology Resource Announcements</i> , <b>2019</b> , 8,	1.3	4
26	An outbreak of multiply antibiotic-resistant ST49:ST128:KL11:OCL8 <i>Acinetobacter baumannii</i> isolates at a Sydney hospital. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 893-900	5.1	4
25	Comment on "Conserved phylogenetic distribution and limited antibiotic resistance of class 1 integrons revealed by assessing the bacterial genome and plasmid collection" by A.N. Zhang et al. <i>Microbiome</i> , <b>2021</b> , 9, 3	16.6	4
24	Updated analysis of the surface carbohydrate gene clusters in the diverse panel of isolates. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , AAC0180721	5.9	3
23	A novel trimethoprim resistance gene, dfrA38, found in a sporadic <i>Acinetobacter baumannii</i> isolate. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 3694-3695	5.1	3
22	The K26 capsular polysaccharide from <i>Acinetobacter baumannii</i> KZ-1098: Structure and cleavage by a specific phage depolymerase. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 191, 182-191	7.9	3
21	AbGRI1-5, a novel AbGRI1 variant in an <i>Acinetobacter baumannii</i> GC2 isolate from Adelaide, Australia. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 821-823	5.1	2
20	B/O plasmid R16 from 1956 carries an In1-like class 1 integron embedded in a complex region containing parts of the <i>Acinetobacter baumannii</i> AbaR resistance island. <i>Plasmid</i> , <b>2019</b> , 105, 102432	3.3	2
19	Identification of <i>Acinetobacter baumannii</i> loci for capsular polysaccharide (KL) and lipooligosaccharide outer core (OCL) synthesis in genome assemblies using curated reference databases compatible with Kaptive		2
18	Evolution of IS26-bounded pseudo-compound transposons carrying the tet(C) tetracycline resistance determinant. <i>Plasmid</i> , <b>2020</b> , 112, 102541	3.3	2
17	Dissemination of novel Tn family transposons carrying genes for synthesis and uptake of fimsbactin siderophores among isolates. <i>Microbial Genomics</i> , <b>2021</b> , 7,	4.4	2
16	dfrA trimethoprim resistance genes found in Gram-negative bacteria: compilation and unambiguous numbering. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 2748-2756	5.1	2
15	Complete Genome Sequence of WM99c, an Antibiotic-Resistant <i>Acinetobacter baumannii</i> Global Clone 2 (GC2) Strain Representing an Australian GC2 Lineage. <i>Microbiology Resource Announcements</i> , <b>2018</b> , 7,	1.3	2
14	Structure of the K87 capsular polysaccharide and KL87 gene cluster of <i>Acinetobacter baumannii</i> LUH5547 reveals a heptasaccharide repeating unit. <i>Carbohydrate Research</i> , <b>2021</b> , 509, 108439	2.9	2

13	Involvement of a Phage-Encoded Wzy Protein in the Polymerization of K127 Units To Form the Capsular Polysaccharide of <i>Acinetobacter baumannii</i> Isolate 36-1454.. <i>Microbiology Spectrum</i> , <b>2022</b> , e0150321	8.9	2
12	AbaR4 replaces AbaR3 in a carbapenem-resistant <i>Acinetobacter baumannii</i> isolate belonging to global clone 1 from an Australian hospital—author's response. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 513-514	5.1	1
11	An X1 plasmid from a <i>Salmonella enterica</i> serovar Ohio isolate carrying a novel IS26-bounded tet(C) pseudo-compound transposon. <i>Plasmid</i> , <b>2021</b> , 114, 102561	3.3	1
10	Identification of the dfrA4 trimethoprim resistance gene. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 1937-1938	5.1	1
9	A brief guide to correct annotation of IS26 and variants. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 2213-2215	5.1	1
8	Classifying mobile genetic elements and their interactions from sequence data: The importance of existing biological knowledge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1
7	Evolution of <i>Acinetobacter baumannii</i> plasmids carrying the oxa58 carbapenemase resistance gene via plasmid fusion, IS26-mediated events and dif module shuffling.. <i>Plasmid</i> , <b>2022</b> , 102628	3.3	1
6	Origin of the dfrA44 trimethoprim resistance gene. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 3312-3314	5.1	0
5	Characterization of the specific DNA-binding properties of Tnp26, the transposase of insertion sequence IS26. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 297, 101165	5.4	0
4	Resistance gene naming and numbering: is it a new gene or not?-authors' response. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 2678	5.1	
3	Resistance gene naming and numbering: is it a new gene or not?-authors' response. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 635	5.1	
2	Comment on "the IS6 family, a clinically important group of insertion sequences including IS26" by Varani and co-authors.. <i>Mobile DNA</i> , <b>2022</b> , 13, 1	4.4	
1	Resistance gene naming and numbering: is it a new gene or not?-authors' response. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 1743	5.1	