

# Gian Maria Rossolini

## List of Publications by Year in descending order

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430  
papers

21,390  
citations

9264

74  
h-index

17592

121  
g-index

438  
all docs

438  
docs citations

438  
times ranked

18333  
citing authors

#	ARTICLE	IF	CITATIONS
1	CTX-M: changing the face of ESBLs in Europe. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 59, 165-174.	3.0	756
2	Cloning and Characterization of <i>bla</i> <sub>VIM</sub> , a New Integron-Borne Metallo- $\beta$ -Lactamase Gene from a <i>Pseudomonas aeruginosa</i> Clinical Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 1584-1590.	3.2	581
3	Metallo- $\beta$ -lactamases: a last frontier for $\beta$ -lactams?. <i>Lancet Infectious Diseases</i> , The, 2011, 11, 381-393.	9.1	562
4	Update on the antibiotic resistance crisis. <i>Current Opinion in Pharmacology</i> , 2014, 18, 56-60.	3.5	501
5	Epidemic of carbapenem-resistant <i>Klebsiella pneumoniae</i> in Europe is driven by nosocomial spread. <i>Nature Microbiology</i> , 2019, 4, 1919-1929.	13.3	476
6	Imipenem-EDTA Disk Method for Differentiation of Metallo- $\beta$ -Lactamase-Producing Clinical Isolates of <i>Pseudomonas</i> spp. and <i>Acinetobacter</i> spp. <i>Journal of Clinical Microbiology</i> , 2002, 40, 3798-3801.	3.9	428
7	Impaired immune cell cytotoxicity in severe COVID-19 is IL-6 dependent. <i>Journal of Clinical Investigation</i> , 2020, 130, 4694-4703.	8.2	424
8	Standard Numbering Scheme for Class B $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 660-663.	3.2	396
9	CTX-M-type $\beta$ -lactamases: A successful story of antibiotic resistance. <i>International Journal of Medical Microbiology</i> , 2013, 303, 305-317.	3.6	362
10	<i>In Vivo</i> Emergence of Colistin Resistance in <i>Klebsiella pneumoniae</i> Producing KPC-Type Carbapenemases Mediated by Insertional Inactivation of the PhoQ/PhoP <i>mgrB</i> Regulator. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5521-5526.	3.2	316
11	<i>MgrB</i> Inactivation Is a Common Mechanism of Colistin Resistance in KPC-Producing <i>Klebsiella pneumoniae</i> of Clinical Origin. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5696-5703.	3.2	297
12	Novel Acquired Metallo- $\beta$ -Lactamase Gene, <i>bla</i> SIM-1, in a Class 1 Integron from <i>Acinetobacter baumannii</i> Clinical Isolates from Korea. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 4485-4491.	3.2	293
13	Characterization of the Metallo- $\beta$ -Lactamase Determinant of <i>Acinetobacter baumannii</i> AC-54/97 Reveals the Existence of <i>bla</i> <sub>IMP</sub> Allelic Variants Carried by Gene Cassettes of Different Phylogeny. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 1229-1235.	3.2	245
14	Biochemical Characterization of the <i>Pseudomonas aeruginosa</i> 101/1477 Metallo- $\beta$ -Lactamase IMP-1 Produced by <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 902-906.	3.2	212
15	Multiple CTX-M-Type Extended-Spectrum $\beta$ -Lactamases in Nosocomial Isolates of Enterobacteriaceae from a Hospital in Northern Italy. <i>Journal of Clinical Microbiology</i> , 2003, 41, 4264-4269.	3.9	201
16	Characterization of <i>poxA</i> , a novel phenicol-oxazolidinone-tetracycline resistance gene from an MRSA of clinical origin. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 1763-1769.	3.0	191
17	Zn(II) Dependence of the <i>Aeromonas hydrophila</i> AE036 Metallo- $\beta$ -lactamase Activity and Stability. <i>Biochemistry</i> , 1997, 36, 11534-11541.	2.5	184
18	<i>mcr-1.2</i> , a New <i>mcr</i> Variant Carried on a Transferable Plasmid from a Colistin-Resistant KPC Carbapenemase-Producing <i>Klebsiella pneumoniae</i> Strain of Sequence Type 512. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5612-5615.	3.2	165

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19	Structure of In31, a <i>bla</i> <sub>IMP</sub> -Containing <i>Pseudomonas aeruginosa</i> Integron Phyletically Related to In5, Which Carries an Unusual Array of Gene Cassettes. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 890-901.	3.2	152
20	On functional and structural heterogeneity of VIM-type metallo-beta-lactamases. <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 51, 257-266.	3.0	146
21	Rapid Dissemination and Diversity of CTX-M Extended-Spectrum $\hat{I}^2$ -Lactamase Genes in Commensal <i>Escherichia coli</i> Isolates from Healthy Children from Low-Resource Settings in Latin America. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2720-2725.	3.2	146
22	Crystal Structure of the OXA-48 $\hat{I}^2$ -Lactamase Reveals Mechanistic Diversity among Class D Carbapenemases. <i>Chemistry and Biology</i> , 2009, 16, 540-547.	6.0	144
23	Conserved sequence motifs among bacterial, eukaryotic, and archaeal phosphatases that define a new phosphohydrolase superfamily. <i>Protein Science</i> , 1998, 7, 1647-1652.	7.6	142
24	Molecular characterization of metallo-b-lactamase-producing <i>Acinetobacter baumannii</i> and <i>Acinetobacter</i> genomospecies 3 from Korea: identification of two new integrons carrying the <i>bla</i> VIM-2 gene cassettes. <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 49, 837-840.	3.0	139
25	The effect of N -acetylcysteine on biofilms: Implications for the treatment of respiratory tract infections. <i>Respiratory Medicine</i> , 2016, 117, 190-197.	2.9	136
26	Hospital Outbreak of Carbapenem-Resistant <i>Pseudomonas aeruginosa</i> Producing VIM-1, a Novel Transferable Metallo- $\hat{A}$ -Lactamase. <i>Clinical Infectious Diseases</i> , 2000, 31, 1119-1125.	5.8	135
27	Replicon Typing of Plasmids Encoding Resistance to Newer $\hat{I}^2$ -Lactams. <i>Emerging Infectious Diseases</i> , 2006, 12, 1145-1148.	4.3	134
28	Metallo- $\hat{I}^2$ -lactamases as emerging resistance determinants in Gram-negative pathogens: open issues. <i>International Journal of Antimicrobial Agents</i> , 2007, 29, 380-388.	2.5	134
29	<i>Proteus mirabilis</i> Bloodstream Infections: Risk Factors and Treatment Outcome Related to the Expression of Extended-Spectrum $\hat{I}^2$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2598-2605.	3.2	130
30	Antibiotic Usage and Risk of Colonization and Infection with Antibiotic-Resistant Bacteria: a Hospital Population-Based Study. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4264-4269.	3.2	127
31	The 1.5- $\hat{A}$ ... Structure of <i>Chryseobacterium meningosepticum</i> Zinc $\hat{I}^2$ -Lactamase in Complex with the Inhibitor, D-Captopril. <i>Journal of Biological Chemistry</i> , 2003, 278, 23868-23873.	3.4	126
32	IMP-12, a New Plasmid-Encoded Metallo- $\hat{I}^2$ -Lactamase from a <i>Pseudomonas putida</i> Clinical Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 1522-1528.	3.2	125
33	Mono- and Binuclear Zn <sup>2+</sup> - $\hat{I}^2$ -Lactamase. <i>Journal of Biological Chemistry</i> , 1999, 274, 13242-13249.	3.4	123
34	Antimicrobial Activity of Novel Dendrimeric Peptides Obtained by Phage Display Selection and Rational Modification. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2665-2672.	3.2	122
35	The esophageal microbiota in health and disease. <i>Annals of the New York Academy of Sciences</i> , 2016, 1381, 21-33.	3.8	119
36	Molecular Characterization of Extended-Spectrum $\hat{A}$ -Lactamases Produced by Nosocomial Isolates of Enterobacteriaceae from an Italian Nationwide Survey. <i>Journal of Clinical Microbiology</i> , 2002, 40, 611-614.	3.9	116

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37	Large Nosocomial Outbreak of Colistin-Resistant, Carbapenemase-Producing <i>Klebsiella pneumoniae</i> Traced to Clonal Expansion of an <i>mgrB</i> Deletion Mutant. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3341-3344.	3.9	116
38	First-dose mRNA vaccination is sufficient to reactivate immunological memory to SARS-CoV-2 in subjects who have recovered from COVID-19. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	116
39	Characterization and sequence of the <i>Chryseobacterium</i> ( <i>Flavobacterium</i> ) <i>meningosepticum</i> carbapenemase: a new molecular class B $\beta$ -lactamase showing a broad substrate profile. <i>Biochemical Journal</i> , 1998, 332, 145-152.	3.7	113
40	<i>In Vivo</i> Evolution to Colistin Resistance by <i>PmrB</i> Sensor Kinase Mutation in KPC-Producing <i>Klebsiella pneumoniae</i> Is Associated with Low-Dosage Colistin Treatment. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4399-4403.	3.2	113
41	Trends in Production of Extended-Spectrum $\beta$ -Lactamases among Enterobacteria of Medical Interest: Report of the Second Italian Nationwide Survey. <i>Journal of Clinical Microbiology</i> , 2006, 44, 1659-1664.	3.9	110
42	AmpC $\beta$ -lactamase-producing Enterobacterales: what a clinician should know. <i>Infection</i> , 2019, 47, 363-375.	4.7	109
43	CTX-M-Type Extended-Spectrum $\beta$ -Lactamases in Italy: Molecular Epidemiology of an Emerging Countrywide Problem. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2700-2706.	3.2	107
44	Nosocomial Infections Caused by Multidrug-Resistant Isolates of <i>Pseudomonas putida</i> Producing VIM-1 Metallo- $\beta$ -Lactamase. <i>Journal of Clinical Microbiology</i> , 2002, 40, 4051-4055.	3.9	105
45	From Phenothiazine to 3-Phenyl-1,4-benzothiazine Derivatives as Inhibitors of the <i>Staphylococcus aureus</i> NorA Multidrug Efflux Pump. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4321-4330.	6.4	105
46	Characterization of pABVA01, a Plasmid Encoding the OXA-24 Carbapenemase from Italian Isolates of <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 3528-3533.	3.2	105
47	Emergence in Italy of <i>Klebsiella pneumoniae</i> Sequence Type 258 Producing KPC-3 Carbapenemase. <i>Journal of Clinical Microbiology</i> , 2009, 47, 3793-3794.	3.9	104
48	Emergence in <i>Klebsiella pneumoniae</i> and <i>Enterobacter cloacae</i> Clinical Isolates of the VIM-4 Metallo- $\beta$ -Lactamase Encoded by a Conjugative Plasmid. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 648-650.	3.2	103
49	Incidence, Risk Factors and Outcome of Pre-engraftment Gram-Negative Bacteremia After Allogeneic and Autologous Hematopoietic Stem Cell Transplantation: An Italian Prospective Multicenter Survey. <i>Clinical Infectious Diseases</i> , 2017, 65, 1884-1896.	5.8	103
50	Proposal for assignment of allele numbers for mobile colistin resistance ( <i>mcr</i> ) genes. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 2625-2630.	3.0	101
51	Ceftolozane/tazobactam: place in therapy. <i>Expert Review of Anti-Infective Therapy</i> , 2018, 16, 307-320.	4.4	100
52	Synergistic Activity of Colistin plus Rifampin against Colistin-Resistant KPC-Producing <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3990-3993.	3.2	99
53	Integrated chromosomal and plasmid sequence analyses reveal diverse modes of carbapenemase gene spread among <i>Klebsiella pneumoniae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25043-25054.	7.1	97
54	Patterns of Macrolide Resistance Determinants among Community-Acquired <i>Streptococcus pneumoniae</i> Isolates over a 5-Year Period of Decreased Macrolide Susceptibility Rates. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 2510-2512.	3.2	96

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55	CENTA as a Chromogenic Substrate for Studying $\hat{2}$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 1868-1871.	3.2	95
56	Multifocal Detection of Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Producing the PER-1 Extended-Spectrum $\hat{2}$ -Lactamase in Northern Italy. <i>Journal of Clinical Microbiology</i> , 2004, 42, 2523-2529.	3.9	95
57	Evolution of CTX-M-type $\hat{2}$ -lactamases in isolates of <i>Escherichia coli</i> infecting hospital and community patients. <i>International Journal of Antimicrobial Agents</i> , 2005, 25, 157-162.	2.5	94
58	Influence of a 3-month low-calorie Mediterranean diet compared to the vegetarian diet on human gut microbiota and SCFA: the CARDIVEG Study. <i>European Journal of Nutrition</i> , 2020, 59, 2011-2024.	3.9	94
59	Multidrug-resistant Commensal <i>Escherichia coli</i> in Children, Peru and Bolivia. <i>Emerging Infectious Diseases</i> , 2006, 12, 907-913.	4.3	93
60	Antibiotic resistance in the absence of antimicrobial use: mechanisms and implications. <i>Expert Review of Anti-Infective Therapy</i> , 2008, 6, 725-732.	4.4	92
61	Population Structure and Resistance Genes in Antibiotic-Resistant Bacteria from a Remote Community with Minimal Antibiotic Exposure. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1179-1184.	3.2	91
62	Antibiotic resistance in a very remote Amazonas community. <i>International Journal of Antimicrobial Agents</i> , 2009, 33, 125-129.	2.5	90
63	Emerging Extended-Spectrum $\hat{2}$ -Lactamases in <i>Proteus mirabilis</i> . <i>Journal of Clinical Microbiology</i> , 2002, 40, 1549-1552.	3.9	88
64	In70 of Plasmid pAX22, a bla VIM-1 -Containing Integron Carrying a New Aminoglycoside Phosphotransferase Gene Cassette. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 1249-1253.	3.2	87
65	FIM-1, a New Acquired Metallo- $\hat{2}$ -Lactamase from a <i>Pseudomonas aeruginosa</i> Clinical Isolate from Italy. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 410-416.	3.2	87
66	Bloodstream infections caused by multidrug-resistant <i>Klebsiella pneumoniae</i> producing the carbapenem-hydrolysing VIM-1 metallo- $\hat{2}$ -lactamase: first Italian outbreak. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 61, 296-300.	3.0	85
67	Tracking Acquired Antibiotic Resistance in Commensal Bacteria of Galápagos Land Iguanas: No Man, No Resistance. <i>PLoS ONE</i> , 2010, 5, e8989.	2.5	84
68	Purification and Biochemical Characterization of the VIM-1 Metallo- $\hat{2}$ -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 3003-3007.	3.2	83
69	Metallo- $\hat{2}$ -Lactamase Producers in Environmental Microbiota: New Molecular Class B Enzyme in <i>Janthinobacterium lividum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 837-844.	3.2	83
70	High Prevalence of Acquired Antimicrobial Resistance Unrelated to Heavy Antimicrobial Consumption. <i>Journal of Infectious Diseases</i> , 2004, 189, 1291-1294.	4.0	83
71	Molecular Basis of Selective Inhibition and Slow Reversibility of Avibactam against Class D Carbapenemases: A Structure-Guided Study of OXA-24 and OXA-48. <i>ACS Chemical Biology</i> , 2015, 10, 591-600.	3.4	83
72	Detection of CTX-M-Type $\hat{2}$ -Lactamase Genes in Fecal <i>Escherichia coli</i> Isolates from Healthy Children in Bolivia and Peru. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 4556-4561.	3.2	81

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73	AcrAB Efflux System: Expression and Contribution to Fluoroquinolone Resistance in <i>Klebsiella</i> spp. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3984-3986.	3.2	78
74	Establishing Clonal Relationships between VIM-1-Like Metallo- $\beta$ -Lactamase-Producing <i>Pseudomonas aeruginosa</i> Strains from Four European Countries by Multilocus Sequence Typing. <i>Journal of Clinical Microbiology</i> , 2006, 44, 4309-4315.	3.9	78
75	Molecular epidemiology of KPC-producing <i>Klebsiella pneumoniae</i> from invasive infections in Italy: increasing diversity with predominance of the ST512 clade II sublineage. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 3386-3391.	3.0	78
76	Simple Microdilution Test for Detection of Metallo- $\beta$ -Lactamase Production in <i>Pseudomonas aeruginosa</i> . <i>Journal of Clinical Microbiology</i> , 2002, 40, 4388-4390.	3.9	77
77	Endemic Carbapenem-resistant <i>Pseudomonas aeruginosa</i> with Acquired Metallo- $\beta$ -lactamase Determinants in European Hospital. <i>Emerging Infectious Diseases</i> , 2004, 10, 535-538.	4.3	77
78	Nosocomial Outbreak Caused by Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Producing IMP-13 Metallo- $\beta$ -Lactamase. <i>Journal of Clinical Microbiology</i> , 2005, 43, 3824-3828.	3.9	76
79	Breakthrough <i>Lactobacillus rhamnosus</i> GG bacteremia associated with probiotic use in an adult patient with severe active ulcerative colitis: case report and review of the literature. <i>Infection</i> , 2015, 43, 777-781.	4.7	76
80	Dynamics of a Nosocomial Outbreak of Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Producing the PER-1 Extended-Spectrum $\beta$ -Lactamase. <i>Journal of Clinical Microbiology</i> , 2001, 39, 1865-1870.	3.9	74
81	First Detection of the <i>mcr-1</i> Colistin Resistance Gene in <i>Escherichia coli</i> in Italy. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3257-3258.	3.2	74
82	<i>Escherichia coli</i> from Italy Producing OXA-48 Carbapenemase Encoded by a Novel Tn 1999 Transposon Derivative. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2211-2213.	3.2	73
83	Key considerations on the potential impacts of the COVID-19 pandemic on antimicrobial resistance research and surveillance. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021, 115, 1122-1129.	1.8	72
84	Italian nationwide survey on <i>Pseudomonas aeruginosa</i> from invasive infections: activity of ceftolozane/tazobactam and comparators, and molecular epidemiology of carbapenemase producers. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 664-671.	3.0	71
85	CMY-16, a Novel Acquired AmpC-Type $\beta$ -Lactamase of the CMY/LAT Lineage in Multifocal Monophyletic Isolates of <i>Proteus mirabilis</i> from Northern Italy. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 618-624.	3.2	68
86	Biochemical Characterization of the FEZ-1 Metallo- $\beta$ -Lactamase of <i>Legionella gormanii</i> ATCC 33297 T Produced in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 1254-1262.	3.2	66
87	A novel tetrabranching antimicrobial peptide that neutralizes bacterial lipopolysaccharide and prevents septic shock <i>in vivo</i> . <i>FASEB Journal</i> , 2010, 24, 1015-1022.	0.5	66
88	Molecular Characterization of Integrons in Epidemiologically Unrelated Clinical Isolates of <i>Acinetobacter baumannii</i> from Italian Hospitals Reveals a Limited Diversity of Gene Cassette Arrays. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3665-3668.	3.2	64
89	Clonal Relatedness and Conserved Integron Structures in Epidemiologically Unrelated <i>Pseudomonas aeruginosa</i> Strains Producing the VIM-1 Metallo- $\beta$ -Lactamase from Different Italian Hospitals. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 104-110.	3.2	64
90	Epidemic Diffusion of OXA-23-Producing <i>Acinetobacter baumannii</i> Isolates in Italy: Results of the First Cross-Sectional Countrywide Survey. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3004-3010.	3.9	64

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91	Meropenem/vaborbactam: a next generation $\beta$ -lactam $\beta$ -lactamase inhibitor combination. Expert Review of Anti-Infective Therapy, 2020, 18, 643-655.	4.4	64
92	The <i>Aeromonas</i> Metallo- $\beta$ -Lactamases: Genetics, Enzymology, and Contribution to Drug Resistance. Microbial Drug Resistance, 1996, 2, 245-252.	2.0	63
93	The <i>Legionella</i> ( <i>Fluoribacter</i> ) <i>gormanii</i> Metallo- $\beta$ -Lactamase: a New Member of the Highly Divergent Lineage of Molecular-Subclass B3 $\beta$ -Lactamases. Antimicrobial Agents and Chemotherapy, 2000, 44, 1538-1543.	3.2	63
94	Polymyxin Resistance Caused by <i>mgrB</i> Inactivation Is Not Associated with Significant Biological Cost in <i>Klebsiella pneumoniae</i> . Antimicrobial Agents and Chemotherapy, 2015, 59, 2898-2900.	3.2	63
95	In vitro and in vivo efficacy, toxicity, bio-distribution and resistance selection of a novel antibacterial drug candidate. Scientific Reports, 2016, 6, 26077.	3.3	63
96	Isomerization of an Antimicrobial Peptide Broadens Antimicrobial Spectrum to Gram-Positive Bacterial Pathogens. PLoS ONE, 2012, 7, e46259.	2.5	60
97	CAU-1, a Subclass B3 Metallo- $\beta$ -Lactamase of Low Substrate Affinity Encoded by an Ortholog Present in the <i>Caulobacter crescentus</i> Chromosome. Antimicrobial Agents and Chemotherapy, 2002, 46, 1823-1830.	3.2	58
98	First Countrywide Survey of Acquired Metallo- $\beta$ -Lactamases in Gram-Negative Pathogens in Italy. Antimicrobial Agents and Chemotherapy, 2008, 52, 4023-4029.	3.2	58
99	Evolution to carbapenem-hydrolyzing activity in noncarbapenemase class D $\beta$ -lactamase OXA-10 by rational protein design. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18424-18429.	7.1	58
100	Epidemiology and genetic characteristics of extended-spectrum $\beta$ -lactamase-producing Gram-negative bacteria causing urinary tract infections in long-term care facilities. Journal of Antimicrobial Chemotherapy, 2012, 67, 2982-2987.	3.0	58
101	Characterization of IncI1 Sequence Type 71 Epidemic Plasmid Lineage Responsible for the Recent Dissemination of CTX-M-65 Extended-Spectrum $\beta$ -Lactamase in the Bolivian Chaco Region. Antimicrobial Agents and Chemotherapy, 2015, 59, 5340-5347.	3.2	56
102	Bloodstream infections due to carbapenemase-producing Enterobacteriaceae in Italy: results from nationwide surveillance, 2014 to 2017. Eurosurveillance, 2019, 24, .	7.0	56
103	Persistent Carriage and Infection by Multidrug-Resistant <i>Escherichia coli</i> ST405 Producing NDM-1 Carbapenemase: Report on the First Italian Cases. Journal of Clinical Microbiology, 2011, 49, 2755-2758.	3.9	55
104	Oral Gentamicin Gut Decontamination for Prevention of KPC-Producing <i>Klebsiella pneumoniae</i> Infections: Relevance of Concomitant Systemic Antibiotic Therapy. Antimicrobial Agents and Chemotherapy, 2014, 58, 1972-1976.	3.2	55
105	Effect of combination therapy containing a high-dose carbapenem on mortality in patients with carbapenem-resistant <i>Klebsiella pneumoniae</i> bloodstream infection. International Journal of Antimicrobial Agents, 2018, 51, 244-248.	2.5	55
106	Characterization of Extensively Drug-Resistant or Pandrug-Resistant Sequence Type 147 and 101 OXA-48-Producing <i>Klebsiella pneumoniae</i> Causing Bloodstream Infections in Patients in an Intensive Care Unit. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	54
107	Auranofin and its Analogues Show Potent Antimicrobial Activity against Multidrug-Resistant Pathogens: Structure-Activity Relationships. ChemMedChem, 2018, 13, 2448-2454.	3.2	54
108	Mutational Analysis of VIM-2 Reveals an Essential Determinant for Metallo- $\beta$ -Lactamase Stability and Folding. Antimicrobial Agents and Chemotherapy, 2010, 54, 3197-3204.	3.2	53

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109	Characterization of KPC-encoding plasmids from two endemic settings, Greece and Italy. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 2824-2830.	3.0	53
110	Cell-mediated and humoral adaptive immune responses to SARS-CoV-2 are lower in asymptomatic than symptomatic COVID-19 patients. <i>European Journal of Immunology</i> , 2020, 50, 2013-2024.	2.9	53
111	Prolonged outbreak of New Delhi metallo-beta-lactamase-producing carbapenem-resistant Enterobacterales (NDM-CRE), Tuscany, Italy, 2018 to 2019. <i>Eurosurveillance</i> , 2020, 25, .	7.0	53
112	Molecular Evolution of Metallo- $\beta$ -Lactamase-Producing <i>Pseudomonas aeruginosa</i> in a Nosocomial Setting of High-Level Endemicity. <i>Journal of Clinical Microbiology</i> , 2006, 44, 2348-2353.	3.9	52
113	Spread of multidrug-resistant <i>Proteus mirabilis</i> isolates producing an AmpC-type $\beta$ -lactamase: epidemiology and clinical management. <i>International Journal of Antimicrobial Agents</i> , 2009, 33, 328-333.	2.5	51
114	A Standard Numbering Scheme for Class C $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	50
115	Molecular heterogeneity of bla <sub>VIM-2</sub> -containing integrons from <i>Pseudomonas aeruginosa</i> plasmids encoding the VIM-2 metallo- $\beta$ -lactamase. <i>FEMS Microbiology Letters</i> , 2001, 195, 145-150.	1.8	49
116	Identification of the gene (aphA) encoding the class B acid phosphatase/phosphotransferase of <i>Escherichia coli</i> MG1655 and characterization of its product. <i>FEMS Microbiology Letters</i> , 1997, 146, 191-198.	1.8	49
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