

# Jean-Denis Docquier

## List of Publications by Year in descending order

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105  
papers

4,470  
citations

101543

36  
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114465

63  
g-index

106  
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106  
docs citations

106  
times ranked

3781  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Acquired Metallo- $\hat{\beta}$ -Lactamase Gene, bla 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
2	Structural Insight into Potent Broad-Spectrum Inhibition with Reversible Recyclization Mechanism: Avibactam in Complex with CTX-M-15 and <i>Pseudomonas aeruginosa</i> AmpC $\hat{\beta}$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2496-2505.	3.2	185
3	Discovery of Taniborbactam (VNRX-5133): A Broad-Spectrum Serine- and Metallo- $\hat{\beta}$ -lactamase Inhibitor for Carbapenem-Resistant Bacterial Infections. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2789-2801.	6.4	181
4	An update on $\hat{\beta}$ -lactamase inhibitor discovery and development. <i>Drug Resistance Updates</i> , 2018, 36, 13-29.	14.4	170
5	On functional and structural heterogeneity of VIM-type metallo-beta-lactamases. <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 51, 257-266.	3.0	146
6	Crystal Structure of the OXA-48 $\hat{\beta}$ -Lactamase Reveals Mechanistic Diversity among Class D Carbapenemases. <i>Chemistry and Biology</i> , 2009, 16, 540-547.	6.0	144
7	Metallo- $\hat{\beta}$ -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
8	IMP-12, a New Plasmid-Encoded Metallo- $\hat{\beta}$ -Lactamase from a <i>Pseudomonas putida</i> Clinical Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 1522-1528.	3.2	125
9	VNRX-5133 (Taniborbactam), a Broad-Spectrum Inhibitor of Serine- and Metallo- $\hat{\beta}$ -Lactamases, Restores Activity of Cefepime in <i>Enterobacteriales</i> and <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	123
10	The Three-Dimensional Structure of VIM-2, a Zn- $\hat{\beta}$ -Lactamase from <i>Pseudomonas aeruginosa</i> in Its Reduced and Oxidised Form. <i>Journal of Molecular Biology</i> , 2008, 375, 604-611.	4.2	115
11	Nosocomial Infections Caused by Multidrug-Resistant Isolates of <i>Pseudomonas putida</i> Producing VIM-1 Metallo- $\hat{\beta}$ -Lactamase. <i>Journal of Clinical Microbiology</i> , 2002, 40, 4051-4055.	3.9	105
12	Emergence in <i>Klebsiella pneumoniae</i> and <i>Enterobacter cloacae</i> Clinical Isolates of the VIM-4 Metallo- $\hat{\beta}$ -Lactamase Encoded by a Conjugative Plasmid. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 648-650.	3.2	103
13	CENTA as a Chromogenic Substrate for Studying $\hat{\beta}$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 1868-1871.	3.2	95
14	FIM-1, a New Acquired Metallo- $\hat{\beta}$ -Lactamase from a <i>Pseudomonas aeruginosa</i> Clinical Isolate from Italy. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 410-416.	3.2	87
15	Bloodstream infections caused by multidrug-resistant <i>Klebsiella pneumoniae</i> producing the carbapenem-hydrolysing VIM-1 metallo- $\hat{\beta}$ -lactamase: first Italian outbreak. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 61, 296-300.	3.0	85
16	Purification and Biochemical Characterization of the VIM-1 Metallo- $\hat{\beta}$ -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 3003-3007.	3.2	83
17	Metallo- $\hat{\beta}$ -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
18	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

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19	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
20	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
21	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
22	Improved performance of the modified Hodge test with MacConkey agar for screening carbapenemase-producing Gram-negative bacilli. <i>Journal of Microbiological Methods</i> , 2010, 83, 149-152.	1.6	62
23	CAU-1, a Subclass B3 Metallo- $\beta$ -Lactamase of Low Substrate Affinity Encoded by an Ortholog Present in the <i>Caulobacter crescentus</i> Chromosome. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 1823-1830.	3.2	58
24	Evolution to carbapenem-hydrolyzing activity in noncarbapenemase class D $\beta$ -lactamase OXA-10 by rational protein design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18424-18429.	7.1	58
25	Discovery of a Novel Metallo- $\beta$ -Lactamase Inhibitor That Potentiates Meropenem Activity against Carbapenem-Resistant Enterobacteriaceae. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	57
26	Biochemical and Structural Characterization of the Subclass B1 Metallo- $\beta$ -Lactamase VIM-4. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1248-1255.	3.2	55
27	Mutational Analysis of VIM-2 Reveals an Essential Determinant for Metallo- $\beta$ -Lactamase Stability and Folding. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3197-3204.	3.2	53
28	A Standard Numbering Scheme for Class C $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	50
29	Molecular heterogeneity of blaVIM-2-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
30	1,2,4-Triazole-3-thione Compounds as Inhibitors of Zinc Metallo- $\beta$ -Lactamases. <i>ChemMedChem</i> , 2017, 12, 972-985.	3.2	49
31	Crystal structure of a cold-adapted class C $\beta$ -lactamase. <i>FEBS Journal</i> , 2008, 275, 1687-1697.	4.7	48
32	Postgenomic Scan of Metallo- $\beta$ -Lactamase Homologues in Rhizobacteria: Identification and Characterization of BJP-1, a Subclass B3 Ortholog from <i>Bradyrhizobium japonicum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 1973-1981.	3.2	46
33	High-Resolution Crystal Structure of the Subclass B3 Metallo- $\beta$ -Lactamase BJP-1: Rational Basis for Substrate Specificity and Interaction with Sulfonamides. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4343-4351.	3.2	46
34	SAR Studies Leading to the Identification of a Novel Series of Metallo- $\beta$ -lactamase Inhibitors for the Treatment of Carbapenem-Resistant Enterobacteriaceae Infections That Display Efficacy in an Animal Infection Model. <i>ACS Infectious Diseases</i> , 2019, 5, 131-140.	3.8	46
35	Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Producing PER-1 Extended-Spectrum Serine- $\beta$ -Lactamase and VIM-2 Metallo- $\beta$ -Lactamase. <i>Emerging Infectious Diseases</i> , 2001, 7, 910-911.	4.3	40
36	Novel 3-N-Aminoglycoside Acetyltransferase Gene, aac(3)-Ic, from a <i>Pseudomonas aeruginosa</i> Integron. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 1746-1748.	3.2	40

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37	Type M Resistance to Macrolides Is Due to a Two-Gene Efflux Transport System of the ATP-Binding Cassette (ABC) Superfamily. <i>Frontiers in Microbiology</i> , 2018, 9, 1670.	3.5	40
38	Anatomy of an extensively drug-resistant <i>Klebsiella pneumoniae</i> outbreak in Tuscany, Italy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	37
39	Computational and biological profile of boronic acids for the detection of bacterial serine- and metallo- $\beta$ -lactamases. <i>Scientific Reports</i> , 2017, 7, 17716.	3.3	35
40	OXA-46, a New Class D $\beta$ -Lactamase of Narrow Substrate Specificity Encoded by a bla VIM-1 -Containing Integron from a <i>Pseudomonas aeruginosa</i> Clinical Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 1973-1980.	3.2	33
41	Regulation of neuraminidase expression in <i>Streptococcus pneumoniae</i> . <i>BMC Microbiology</i> , 2012, 12, 200.	3.3	33
42	Prevalence and characterization of metallo- $\beta$ -lactamases in clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2004, 48, 131-135.	1.8	31
43	Crystal Structure of the Narrow-Spectrum OXA-46 Class D $\beta$ -Lactamase: Relationship between Active-Site Lysine Carbamylation and Inhibition by Polycarboxylates. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2167-2174.	3.2	31
44	ANT2681: SAR Studies Leading to the Identification of a Metallo- $\beta$ -lactamase Inhibitor with Potential for Clinical Use in Combination with Meropenem for the Treatment of Infections Caused by NDM-Producing <i>Enterobacteriaceae</i> . <i>ACS Infectious Diseases</i> , 2020, 6, 2419-2430.	3.8	31
45	Overproduction and Biochemical Characterization of the <i>Chryseobacterium meningosepticum</i> BlaB Metallo- $\beta$ -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 1921-1927.	3.2	30
46	Alkyl-guanidine Compounds as Potent Broad-Spectrum Antibacterial Agents: Chemical Library Extension and Biological Characterization. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9162-9176.	6.4	30
47	Deciphering Multifactorial Resistance Phenotypes in <i>Acinetobacter baumannii</i> by Genomics and Targeted Label-free Proteomics. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 442-456.	3.8	29
48	4-Amino-1,2,4-triazole-3-thione-derived Schiff bases as metallo- $\beta$ -lactamase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112720.	5.5	29
49	Structure-Function Relationships of Class D Carbapenemases. <i>Current Drug Targets</i> , 2016, 17, 1061-1071.	2.1	28
50	Genetic Context and Biochemical Characterization of the IMP-18 Metallo- $\beta$ -Lactamase Identified in a <i>Pseudomonas aeruginosa</i> Isolate from the United States. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 140-145.	3.2	27
51	OXA-372, a novel carbapenem-hydrolysing class D $\beta$ -lactamase from a <i>Citrobacter freundii</i> isolated from a hospital wastewater plant. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 2749-2756.	3.0	27
52	Effect of High <i>N</i> -Acetylcysteine Concentrations on Antibiotic Activity against a Large Collection of Respiratory Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7513-7517.	3.2	27
53	Characteristics of clinical isolates of <i>Acinetobacter</i> genomospecies 10 carrying two different metallo- $\beta$ -lactamases. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 259-263.	2.5	26
54	Biochemical Characterization of the THIN-B Metallo- $\beta$ -Lactamase of <i>Janthinobacterium lividum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 4778-4783.	3.2	25

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55	Genetic and Biochemical Characterization of FUS-1 (OXA-85), a Narrow-Spectrum Class D $\hat{I}^2$ -Lactamase from <i>Fusobacterium nucleatum</i> subsp. <i>polymorphum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2673-2679.	3.2	25
56	Virtual screening identifies broad-spectrum $\hat{I}^2$ -lactamase inhibitors with activity on clinically relevant serine- and metallo-carbapenemases. <i>Scientific Reports</i> , 2020, 10, 12763.	3.3	25
57	Purification and Characterization of PBP4a, a New Low-Molecular-Weight Penicillin-Binding Protein from <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2001, 183, 1595-1599.	2.2	23
58	Identification, synthesis and biological activity of alkyl-guanidine oligomers as potent antibacterial agents. <i>Scientific Reports</i> , 2017, 7, 8251.	3.3	23
59	IND-6, a Highly Divergent IND-Type Metallo- $\hat{I}^2$ -Lactamase from <i>Chryseobacterium indologenes</i> Strain 597 Isolated in Burkina Faso. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4320-4326.	3.2	22
60	BEL-2, an Extended-Spectrum $\hat{I}^2$ -Lactamase with Increased Activity toward Expanded-Spectrum Cephalosporins in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 533-535.	3.2	21
61	Intercontinental Dissemination of IMP-13-Producing <i>Pseudomonas aeruginosa</i> Belonging in Sequence Type 621. <i>Journal of Clinical Microbiology</i> , 2010, 48, 4342-4343.	3.9	21
62	Targeting clinically-relevant metallo- $\hat{I}^2$ -lactamases: from high-throughput docking to broad-spectrum inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 98-109.	5.2	19
63	Discovery of ANT3310, a Novel Broad-Spectrum Serine $\hat{I}^2$ -Lactamase Inhibitor of the Diazabicyclooctane Class, Which Strongly Potentiates Meropenem Activity against Carbapenem-Resistant Enterobacterales and <i>Acinetobacter baumannii</i> . <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15802-15820.	6.4	19
64	Biochemical Characterization of the POM-1 Metallo- $\hat{I}^2$ -Lactamase from <i>Pseudomonas otitidis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1755-1758.	3.2	18
65	Expanding the Repertoire of Carbapenem-Hydrolyzing Metallo- $\hat{I}^2$ -Lactamases by Functional Metagenomic Analysis of Soil Microbiota. <i>Frontiers in Microbiology</i> , 2016, 7, 1985.	3.5	18
66	Biological Characterization and in Vivo Assessment of the Activity of a New Synthetic Macrocyclic Antifungal Compound. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3854-3866.	6.4	18
67	Identification and Characterization of a New Metallo- $\hat{I}^2$ -Lactamase, IND-5, from a Clinical Isolate of <i>Chryseobacterium indologenes</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2988-2990.	3.2	17
68	Functional Diversity among Metallo- $\hat{I}^2$ -Lactamases: Characterization of the CAR-1 Enzyme of <i>Erwinia carotovora</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2473-2479.	3.2	17
69	1,2,4-Triazole-3-thione compounds with a 4-ethyl alkyl/aryl sulfide substituent are broad-spectrum metallo- $\hat{I}^2$ -lactamase inhibitors with re-sensitization activity. <i>European Journal of Medicinal Chemistry</i> , 2021, 226, 113873.	5.5	16
70	Atomic Resolution Structure of a Class $\hat{I}^2$ -Lactamase and Its Complex with Avibactam. <i>ChemMedChem</i> , 2018, 13, 1437-1446.	3.2	15
71	4-(N-Alkyl- and -Acyl-amino)-1,2,4-triazole-3-thione Analogs as Metallo- $\hat{I}^2$ -Lactamase Inhibitors: Impact of 4-Linker on Potency and Spectrum of Inhibition. <i>Biomolecules</i> , 2020, 10, 1094.	4.0	15
72	Structure of the extended-spectrum $\hat{I}^2$ -lactamase TEM-72 inhibited by citrate. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 303-306.	0.7	14

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73	Synthesis of linear and cyclic guazatine derivatives endowed with antibacterial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5525-5529.	2.2	14
74	New $\beta$ -lactamases: a paradigm for the rapid response of bacterial evolution in the clinical setting. <i>Future Microbiology</i> , 2006, 1, 295-308.	2.0	13
75	Immunization with Toscana virus N-Gc proteins protects mice against virus challenge. <i>Virology</i> , 2008, 375, 521-528.	2.4	13
76	Genetic and Biochemical Characterization of TRU-1, the Endogenous Class C $\beta$ -Lactamase from <i>Aeromonas enteropelogenes</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1547-1554.	3.2	13
77	Biochemical Characterization of CPS-1, a Subclass B3 Metallo- $\beta$ -Lactamase from a <i>Chryseobacterium piscium</i> Soil Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1869-1873.	3.2	13
78	Optimization of a direct spectrophotometric method to investigate the kinetics and inhibition of sialidases. <i>BMC Biochemistry</i> , 2012, 13, 19.	4.4	12
79	Isonitrile-Based Multicomponent Synthesis of $\beta$ -Amino Boronic Acids as $\beta$ -Lactamase Inhibitors. <i>Antibiotics</i> , 2020, 9, 249.	3.7	12
80	4-Alkyl-1,2,4-triazole-3-thione analogues as metallo- $\beta$ -lactamase inhibitors. <i>Bioorganic Chemistry</i> , 2021, 113, 105024.	4.1	12
81	Molecular heterogeneity of blaVIM-2-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	11
82	Purification and Biochemical Characterization of IMP-13 Metallo- $\beta$ -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 399-401.	3.2	11
83	Occurrence of conjugative IncF-type plasmids harboring the blaCTX-M-15 gene in Enterobacteriaceae isolates from newborns in Tunisia. <i>Pediatric Research</i> , 2015, 77, 107-110.	2.3	11
84	Design and synthesis of a novel inhibitor of <i>T. Viride</i> chitinase through an in silico target fishing protocol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3332-3336.	2.2	11
85	Class B $\beta$ -Lactamases. , 0, , 115-144.		11
86	Structure-based approach for identification of novel phenylboronic acids as serine- $\beta$ -lactamase inhibitors. <i>Journal of Computer-Aided Molecular Design</i> , 2016, 30, 851-861.	2.9	9
87	Crystal Structure of the <i>Pseudomonas aeruginosa</i> BEL-1 Extended-Spectrum $\beta$ -Lactamase and Its Complexes with Moxalactam and Imipenem. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7189-7199.	3.2	9
88	1,2,4-Triazole-3-thione Analogues with a 2-Ethylbenzoic Acid at Position 4 as VIM-type Metallo- $\beta$ -Lactamase Inhibitors. <i>ChemMedChem</i> , 2022, 17, .	3.2	9
89	A fragment-based drug discovery strategy applied to the identification of NDM-1 $\beta$ -lactamase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2022, 240, 114599.	5.5	9
90	<i>Chryseobacterium gleum</i> in a man with prostatectomy in Senegal: a case report and review of the literature. <i>Journal of Medical Case Reports</i> , 2017, 11, 118.	0.8	8

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91	Biochemical Characterization of VIM-39, a VIM-1-Like Metallo- $\beta$ -Lactamase Variant from a Multidrug-Resistant <i>Klebsiella pneumoniae</i> Isolate from Greece. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7811-7814.	3.2	6
92	Screen of Unfocused Libraries Identified Compounds with Direct or Synergistic Antibacterial Activity. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 899-905.	2.8	6
93	Expression, purification, crystallization and preliminary X-ray characterization of the class B acid phosphatase (AphA) from <i>Escherichia coli</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1058-1060.	2.5	5
94	Antibacterial alkylguanidino ureas: Molecular simplification approach, searching for membrane-based MoA. <i>European Journal of Medicinal Chemistry</i> , 2022, 231, 114158.	5.5	5
95	Boric acid and acetate anion binding to subclass B3 metallo- $\beta$ -lactamase BJP-1 provides clues for mechanism of action and inhibitor design. <i>Inorganica Chimica Acta</i> , 2018, 470, 331-341.	2.4	4
96	Intermolecular interactions of the extended recognition site of <i>VIM</i> metallo- $\beta$ -lactamase with 1,2,4-triazole $\beta$ -lactamase inhibitors. Validations of a polarizable molecular mechanics potential by ab initio <i>QC</i> . <i>Journal of Computational Chemistry</i> , 2021, 42, 86-106.	3.3	4
97	Major Enzymatic Factors Involved in Bacterial Penicillin Resistance in Burkina Faso. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 506-510.	0.5	4
98	Efficient Inactivation of SARS-CoV-2 and Other RNA or DNA Viruses with Blue LED Light. <i>Pathogens</i> , 2021, 10, 1590.	2.8	4
99	Inducible class C $\beta$ -lactamases produced by psychrophilic bacteria. <i>FEMS Microbiology Letters</i> , 1998, 161, 311-315.	1.8	3
100	Biochemical Characterization of the TEM-107 Extended-Spectrum $\beta$ -Lactamase in a <i>Klebsiella pneumoniae</i> Isolate from South Korea. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5930-5932.	3.2	3
101	Genetic and biochemical characterisation of CTX-M-37 extended-spectrum $\beta$ -lactamase from an <i>Enterobacter cloacae</i> clinical isolate from Mongolia. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 10, 3-7.	2.2	3
102	Towards Innovative Antibacterial Correctors for Cystic Fibrosis Targeting the Lung Microbiome with a Multifunctional Effect. <i>ChemMedChem</i> , 2022, 17, .	3.2	2
103	Editorial overview: Anti-infectives: Towards novel antiviral and antibacterial drugs? Current approaches to address a growing medical need. <i>Current Opinion in Pharmacology</i> , 2014, 18, iv-vi.	3.5	1
104	Amino Acid Replacement at Position 228 Induces Fluctuation in the $\beta$ -Loop of KPC-3 and Reduces the Affinity against Oxymino Cephalosporins: Kinetic and Molecular Dynamics Studies. <i>Catalysts</i> , 2020, 10, 1474.	3.5	1
105	Editorial: Structural and Biochemical Aspects of the Interaction of $\beta$ -Lactamases With State-of-the-Art Inhibitors. <i>Frontiers in Microbiology</i> , 2022, 13, 849324.	3.5	1