

# James Spencer

## List of Publications by Year in descending order

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104  
papers

8,771  
citations

109137

35  
h-index

45213

90  
g-index

110  
all docs

110  
docs citations

110  
times ranked

9303  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Green fluorescent carbon dots as targeting probes for LED-dependent bacterial killing. <i>Nano Select</i> , 2022, 3, 662-672.   | 1.9 | 5         |
| 2  | A multiscale approach to predict the binding mode of metallo beta-lactamase inhibitors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 372-384.  | 1.5 | 8         |
| 3  | Inhibition of <i>Mycobacterium tuberculosis</i> InhA by 3-nitropropanoic acid. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 898-904.   | 1.5 | 5         |
| 4  | Imitation of $\beta$ -lactam binding enables broad-spectrum metallo- $\beta$ -lactamase inhibitors. <i>Nature Chemistry</i> , 2022, 14, 15-24.  | 6.6 | 39        |
| 5  | Cladobotric Acids: Metabolites from Cultures of <i>Cladobotryum</i> sp., Semisynthetic Analogues and Antibacterial Activity. <i>Journal of Natural Products</i> , 2022, 85, 572-580.                                  | 1.5 | 3         |
| 6  | Identification of Potent DNA Gyrase Inhibitors Active against <i>Mycobacterium tuberculosis</i> . <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 1680-1690.  | 2.5 | 12        |
| 7  | Studies on the Reactions of Biapenem with VIM Metallo- $\beta$ -Lactamases and the Serine $\beta$ -Lactamase KPC-2. <i>Antibiotics</i> , 2022, 11, 396.   | 1.5 | 8         |
| 8  | Multiscale Simulations Identify Origins of Differential Carbapenem Hydrolysis by the OXA-48 $\beta$ -Lactamase. <i>ACS Catalysis</i> , 2022, 12, 4534-4544.   | 5.5 | 9         |
| 9  | Fast Identification and Quantification of Uropathogenic <i>E. coli</i> through Cluster Analysis. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 242-252.  | 2.6 | 1         |
| 10 | Discovery of novel and potent InhA inhibitors by an <i>in silico</i> screening and pharmacokinetic prediction. <i>Future Medicinal Chemistry</i> , 2022, 14, 717-729.   | 1.1 | 1         |
| 11 | Catalytic mechanism of the colistin resistance protein MCR-1. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3813-3819.  | 1.5 | 11        |
| 12 | Natural variants modify <i>Klebsiella pneumoniae</i> carbapenemase (KPC) acyl-enzyme conformational dynamics to extend antibiotic resistance. <i>Journal of Biological Chemistry</i> , 2021, 296, 100126.             | 1.6 | 27        |
| 13 | Molecular Simulations suggest Vitamins, Retinoids and Steroids as Ligands of the Free Fatty Acid Pocket of the SARS-CoV-2 Spike Protein**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7098-7110.    | 7.2 | 77        |
| 14 | Molecular Simulations suggest Vitamins, Retinoids and Steroids as Ligands of the Free Fatty Acid Pocket of the SARS-CoV-2 Spike Protein**. <i>Angewandte Chemie</i> , 2021, 133, 7174-7186.                           | 1.6 | 6         |
| 15 | Frontispiz: Molecular Simulations suggest Vitamins, Retinoids and Steroids as Ligands of the Free Fatty Acid Pocket of the SARS-CoV-2 Spike Protein. <i>Angewandte Chemie</i> , 2021, 133, .                          | 1.6 | 7         |
| 16 | Allosteric communication in class A $\beta$ -lactamases occurs via cooperative coupling of loop dynamics. <i>ELife</i> , 2021, 10, .  | 2.8 | 44        |
| 17 | Frontispiece: Molecular Simulations suggest Vitamins, Retinoids and Steroids as Ligands of the Free Fatty Acid Pocket of the SARS-CoV-2 Spike Protein. <i>Angewandte Chemie - International Edition</i> , 2021, 60, . | 7.2 | 0         |
| 18 | Faropenem reacts with serine and metallo- $\beta$ -lactamases to give multiple products. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113257.  | 2.6 | 14        |

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|----|---|-----|-----------|
| 19 | Antimicrobial Resistance Conferred by OXA-48 $\beta$ -Lactamases: Towards a Detailed Mechanistic Understanding. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .  | 1.4 | 15        |
| 20 | An on-demand, drop-on-drop method for studying enzyme catalysis by serial crystallography. <i>Nature Communications</i> , 2021, 12, 4461.   | 5.8 | 34        |
| 21 | 2-Mercaptomethyl Thiazolidines (MMTZs) Inhibit All Metallo- $\beta$ -Lactamase Classes by Maintaining a Conserved Binding Mode. <i>ACS Infectious Diseases</i> , 2021, 7, 2697-2706.  | 1.8 | 16        |
| 22 | Identification and Phenotypic Characterization of Hsp90 Phosphorylation Sites That Modulate Virulence Traits in the Major Human Fungal Pathogen <i>Candida albicans</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 637836. | 1.8 | 9         |
| 23 | Discovery of SARS-CoV-2 M <sup>pro</sup> peptide inhibitors from modelling substrate and ligand binding. <i>Chemical Science</i> , 2021, 12, 13686-13703.   | 3.7 | 54        |
| 24 | 2-Mercaptomethyl-thiazolidines use conserved aromatic $\pi$ -S interactions to achieve broad-range inhibition of metallo- $\beta$ -lactamases. <i>Chemical Science</i> , 2021, 12, 2898-2908.   | 3.7 | 24        |
| 25 | Crystallography and QM/MM Simulations Identify Preferential Binding of Hydrolyzed Carbapenem and Penem Antibiotics to the L1 Metallo- $\beta$ -Lactamase in the Imine Form. <i>Journal of Chemical Information and Modeling</i> , 2021, , .           | 2.5 | 5         |
| 26 | Multiscale Workflow for Modeling Ligand Complexes of Zinc Metalloproteins. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 5658-5672.   | 2.5 | 10        |
| 27 | Discovery of New and Potent InhA Inhibitors as Antituberculosis Agents: Structure-Based Virtual Screening Validated by Biological Assays and X-ray Crystallography. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 226-234.          | 2.5 | 34        |
| 28 | The Bristol Sponge Microbiome Collection: A Unique Repository of Deep-Sea Microorganisms and Associated Natural Products. <i>Antibiotics</i> , 2020, 9, 509.  | 1.5 | 8         |
| 29 | Resistance to the $\beta$ -lactam antibiotic colistin: a single-zinc mechanism for phosphointermediate formation in MCR enzymes. <i>Chemical Communications</i> , 2020, 56, 6874-6877.  | 2.2 | 10        |
| 30 | Mixing and matching genes of marine and terrestrial origin in the biosynthesis of the mupirocin antibiotics. <i>Chemical Science</i> , 2020, 11, 5221-5226.   | 3.7 | 14        |
| 31 | Small Changes in Hydration Determine Cephalosporinase Activity of OXA-48 $\beta$ -Lactamases. <i>ACS Catalysis</i> , 2020, 10, 6188-6196.   | 5.5 | 19        |
| 32 | Cyclic boronates as versatile scaffolds for KPC-2 $\beta$ -lactamase inhibition. <i>RSC Medicinal Chemistry</i> , 2020, 11, 491-496.  | 1.7 | 20        |
| 33 | Molecular Basis of Class A $\beta$ -Lactamase Inhibition by Relebactam. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .  | 1.4 | 45        |
| 34 | An Efficient Computational Assay for $\beta$ -Lactam Antibiotic Breakdown by Class A $\beta$ -Lactamases. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 3365-3369.  | 2.5 | 16        |
| 35 | The Molecular Basis of Antibiotic Action and Resistance. <i>Journal of Molecular Biology</i> , 2019, 431, 3367-3369.  | 2.0 | 4         |
| 36 | Bicyclic Boronate VNRX-5133 Inhibits Metallo- and Serine- $\beta$ -Lactamases. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8544-8556.   | 2.9 | 139       |

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|----|---|-----|-----------|
| 37 | Mechanistic Insights into $\beta$ -Lactamase-Catalysed Carbapenem Degradation Through Product Characterisation. <i>Scientific Reports</i> , 2019, 9, 13608.   | 1.6 | 27        |
| 38 | Profiling interactions of vaborbactam with metallo- $\beta$ -lactamases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1981-1984.   | 1.0 | 34        |
| 39 | Exploitation of Antibiotic Resistance as a Novel Drug Target: Development of a $\beta$ -Lactamase-Activated Antibacterial Prodrug. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4411-4425.   | 2.9 | 38        |
| 40 | Simulations of Shikimate Dehydrogenase from <i>Mycobacterium tuberculosis</i> in Complex with 3-Dehydroshikimate and NADPH Suggest Strategies for <i>Mtb</i> SDH Inhibition. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 1422-1433. | 2.5 | 3         |
| 41 | $\beta$ -Lactamases and $\beta$ -Lactamase Inhibitors in the 21st Century. <i>Journal of Molecular Biology</i> , 2019, 431, 3472-3500.  | 2.0 | 517       |
| 42 | Non-Hydrolytic $\beta$ -Lactam Antibiotic Fragmentation by $\beta$ -Transpeptidases and Serine $\beta$ -Lactamase Cysteine Variants. <i>Angewandte Chemie</i> , 2019, 131, 2012-2016.   | 1.6 | 4         |
| 43 | Non-Hydrolytic $\beta$ -Lactam Antibiotic Fragmentation by $\beta$ -Transpeptidases and Serine $\beta$ -Lactamase Cysteine Variants. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1990-1994.  | 7.2 | 27        |
| 44 | Crystal structures of VIM-class complexes explain active site heterogeneity in VIM-class metallo- $\beta$ -lactamases. <i>FEBS Journal</i> , 2019, 286, 169-183.  | 2.2 | 30        |
| 45 | Imaging rRNA Methylation in Bacteria by MR-FISH. <i>Methods in Molecular Biology</i> , 2019, 2038, 89-107.  | 0.4 | 0         |
| 46 | Structural and Kinetic Studies of the Potent Inhibition of Metallo- $\beta$ -lactamases by 6-Phosphonomethylpyridine-2-carboxylates. <i>Biochemistry</i> , 2018, 57, 1880-1892.   | 1.2 | 49        |
| 47 | A New Mechanism for $\beta$ -Lactamases: Class D Enzymes Degrade $\beta$ -Methyl Carbapenems through Lactone Formation. <i>Angewandte Chemie</i> , 2018, 130, 1296-1299.  | 1.6 | 4         |
| 48 | Detecting RNA base methylations in single cells by in situ hybridization. <i>Nature Communications</i> , 2018, 9, 655.  | 5.8 | 28        |
| 49 | In Silico Fragment-Based Design Identifies Subfamily B1 Metallo- $\beta$ -lactamase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1255-1260.  | 2.9 | 40        |
| 50 | The economic burden of occupational non-melanoma skin cancer due to solar radiation. <i>Journal of Occupational and Environmental Hygiene</i> , 2018, 15, 481-491.  | 0.4 | 45        |
| 51 | A New Mechanism for $\beta$ -Lactamases: Class D Enzymes Degrade $\beta$ -Methyl Carbapenems through Lactone Formation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1282-1285.   | 7.2 | 27        |
| 52 | Cyclobutanone Mimics of Intermediates in Metallo- $\beta$ -Lactamase Catalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 5734-5737.  | 1.7 | 25        |
| 53 | Multiscale Simulations of Clavulanate Inhibition Identify the Reactive Complex in Class A $\beta$ -Lactamases and Predict the Efficiency of Inhibition. <i>Biochemistry</i> , 2018, 57, 3560-3563.  | 1.2 | 17        |
| 54 | Insights into the Mechanistic Basis of Plasmid-Mediated Colistin Resistance from Crystal Structures of the Catalytic Domain of MCR-1. <i>Scientific Reports</i> , 2017, 7, 39392.   | 1.6 | 107       |

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|----|---|-----|-----------|
| 55 | Cyclic Boronates Inhibit All Classes of $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .   | 1.4 | 94        |
| 56 | <sup>19</sup> F-NMR Reveals the Role of Mobile Loops in Product and Inhibitor Binding by the São Paulo Metallo- $\beta$ -Lactamase. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3862-3866.                                   | 7.2 | 20        |
| 57 | <sup>19</sup> F-NMR Reveals the Role of Mobile Loops in Product and Inhibitor Binding by the São Paulo Metallo- $\beta$ -Lactamase. <i>Angewandte Chemie</i> , 2017, 129, 3920-3924.  | 1.6 | 3         |
| 58 | Crystallographic analyses of isoquinoline complexes reveal a new mode of metallo- $\beta$ -lactamase inhibition. <i>Chemical Communications</i> , 2017, 53, 5806-5809.  | 2.2 | 29        |
| 59 | NMR-filtered virtual screening leads to non-metal chelating metallo- $\beta$ -lactamase inhibitors. <i>Chemical Science</i> , 2017, 8, 928-937.   | 3.7 | 63        |
| 60 | A general reaction mechanism for carbapenem hydrolysis by mononuclear and binuclear metallo- $\beta$ -lactamases. <i>Nature Communications</i> , 2017, 8, 538.  | 5.8 | 98        |
| 61 | Structural/mechanistic insights into the efficacy of nonclassical $\beta$ -lactamase inhibitors against extensively drug resistant <i>Stenotrophomonas maltophilia</i> clinical isolates. <i>Molecular Microbiology</i> , 2017, 106, 492-504. | 1.2 | 39        |
| 62 | Balancing mcr-1 expression and bacterial survival is a delicate equilibrium between essential cellular defence mechanisms. <i>Nature Communications</i> , 2017, 8, 2054.  | 5.8 | 157       |
| 63 | <sup>13</sup> C-Carbamylation as a mechanistic probe for the inhibition of class D $\beta$ -lactamases by avibactam and halide ions. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6024-6032.   | 1.5 | 19        |
| 64 | 1.12 Å resolution crystal structure of the catalytic domain of the plasmid-mediated colistin resistance determinant MCR-2. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 443-449.                    | 0.4 | 22        |
| 65 | Sideromimic Modification of Lacticin Dramatically Increases Potency against Extensively Drug-Resistant <i>Stenotrophomonas maltophilia</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4170-4175.             | 1.4 | 16        |
| 66 | Structural basis of metallo- $\beta$ -lactamase, serine- $\beta$ -lactamase and penicillin-binding protein inhibition by cyclic boronates. <i>Nature Communications</i> , 2016, 7, 12406.   | 5.8 | 202       |
| 67 | Structural and Biochemical Characterization of Rm3, a Subclass B3 Metallo- $\beta$ -Lactamase Identified from a Functional Metagenomic Study. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5828-5840.                             | 1.4 | 22        |
| 68 | Cross-class metallo- $\beta$ -lactamase inhibition by bisthiazolidines reveals multiple binding modes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3745-54.                          | 3.3 | 122       |
| 69 | Emergence of plasmid-mediated colistin resistance mechanism MCR-1 in animals and human beings in China: a microbiological and molecular biological study. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 161-168.                         | 4.6 | 4,130     |
| 70 | Role of Residues W228 and Y233 in the Structure and Activity of Metallo- $\beta$ -Lactamase GIM-1. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 990-1002.   | 1.4 | 8         |
| 71 | Arginine-containing peptides as potent inhibitors of VIM-2 metallo- $\beta$ -lactamase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2228-2238.  | 1.1 | 8         |
| 72 | Bisthiazolidines: A Substrate-Mimicking Scaffold as an Inhibitor of the NDM-1 Carbapenemase. <i>ACS Infectious Diseases</i> , 2015, 1, 544-554.   | 1.8 | 100       |

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|----|---|-----|-----------|
| 73 | Assay for drug discovery: Synthesis and testing of nitrocefin analogues for use as $\beta$ -lactamase substrates. <i>Analytical Biochemistry</i> , 2015, 486, 75-77.  | 1.1 | 15        |
| 74 | Exploring the Role of Residue 228 in Substrate and Inhibitor Recognition by VIM Metallo- $\beta$ -lactamases. <i>Biochemistry</i> , 2015, 54, 3183-3196.  | 1.2 | 41        |
| 75 | Studying the active-site loop movement of the SÃo Paolo metallo- $\beta$ -lactamase-1. <i>Chemical Science</i> , 2015, 6, 956-963.   | 3.7 | 36        |
| 76 | Crystal Structure of DIM-1, an Acquired Subclass B1 Metallo- $\beta$ -Lactamase from <i>Pseudomonas stutzeri</i> . <i>PLoS ONE</i> , 2015, 10, e0140059.  | 1.1 | 3         |
| 77 | Rhodanine hydrolysis leads to potent thioenolate mediated metallo- $\beta$ -lactamase inhibition. <i>Nature Chemistry</i> , 2014, 6, 1084-1090.   | 6.6 | 110       |
| 78 | QM/MM simulations as an assay for carbapenemase activity in class A $\beta$ -lactamases. <i>Chemical Communications</i> , 2014, 50, 14736-14739.  | 2.2 | 43        |
| 79 | Molecular basis of non-mutational derepression of ramA in <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2681-2689.  | 1.3 | 8         |
| 80 | Assay Platform for Clinically Relevant Metallo- $\beta$ -lactamases. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6945-6953.   | 2.9 | 100       |
| 81 | Chromophore-Linked Substrate (CLS405): Probing Metallo- $\beta$ -Lactamase Activity and Inhibition. <i>ChemMedChem</i> , 2013, 8, 1923-1929.  | 1.6 | 21        |
| 82 | Crystal Structures of <i>Pseudomonas aeruginosa</i> GIM-1: Active-Site Plasticity in Metallo- $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 848-854.  | 1.4 | 22        |
| 83 | Cysteine Methylation Controls Radical Generation in the Cfr Radical AdoMet rRNA Methyltransferase. <i>PLoS ONE</i> , 2013, 8, e67979.   | 1.1 | 12        |
| 84 | Crystal Structure of the Mobile Metallo- $\beta$ -Lactamase AIM-1 from <i>Pseudomonas aeruginosa</i> : Insights into Antibiotic Binding and the Role of Gln157. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4341-4353. | 1.4 | 57        |
| 85 | The Basis for Carbapenem Hydrolysis by Class A $\beta$ -Lactamases: A Combined Investigation using Crystallography and Simulations. <i>Journal of the American Chemical Society</i> , 2012, 134, 18275-18285.                       | 6.6 | 76        |
| 86 | Structural and Computational Investigations of VIM-7: Insights into the Substrate Specificity of VIM Metallo- $\beta$ -Lactamases. <i>Journal of Molecular Biology</i> , 2011, 411, 174-189.  | 2.0 | 35        |
| 87 | Crystal Structure of <i>Serratia fonticola</i> Sfh-I: Activation of the Nucleophile in Mono-Zinc Metallo- $\beta$ -Lactamases. <i>Journal of Molecular Biology</i> , 2011, 411, 951-959.  | 2.0 | 48        |
| 88 | Biochemical Characterization of Sfh-I, a Subclass B2 Metallo- $\beta$ -Lactamase from <i>Serratia fonticola</i> UTAD54. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5392-5395.   | 1.4 | 14        |
| 89 | Crystal Structure of the LasA Virulence Factor from <i>Pseudomonas aeruginosa</i> : Substrate Specificity and Mechanism of M23 Metalloproteases. <i>Journal of Molecular Biology</i> , 2010, 396, 908-923.                          | 2.0 | 58        |
| 90 | High-level expression and reconstitution of active Cfr, a radical-SAM rRNA methyltransferase that confers resistance to ribosome-acting antibiotics. <i>Protein Expression and Purification</i> , 2010, 74, 204-210.                | 0.6 | 11        |

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|-----|--|-----|-----------|
| 91  | Repurposing of Meropenem and Nadifloxacin for Treatment of Burn Patients?. Nature Precedings, 2009, , ,  | 0.1 | 0         |
| 92  | Kinetic Characterization of VIM-7, a Divergent Member of the VIM Metallo- $\beta$ -Lactamase Family. Antimicrobial Agents and Chemotherapy, 2008, 52, 2905-2908.   | 1.4 | 29        |
| 93  | Structural Basis for the Role of Asp-120 in Metallo- $\beta$ -lactamases. Biochemistry, 2007, 46, 10664-10674.   | 1.2 | 31        |
| 94  | Metallo- $\beta$ -lactamases: A Novel Weaponry for Antibiotic Resistance in Bacteria. Accounts of Chemical Research, 2006, 39, 721-728.  | 7.6 | 361       |
| 95  | Crystal Structure of Pseudomonas aeruginosa SPM-1 Provides Insights into Variable Zinc Affinity of Metallo- $\beta$ -lactamases. Journal of Molecular Biology, 2006, 357, 890-903.                               | 2.0 | 88        |
| 96  | A New Approach to the Inhibition of Metallo- $\beta$ -lactamases. Angewandte Chemie - International Edition, 2006, 45, 1022-1026.  | 7.2 | 54        |
| 97  | Antibiotic Recognition by Binuclear Metallo- $\beta$ -Lactamases Revealed by X-ray Crystallography#. Journal of the American Chemical Society, 2005, 127, 14439-14444.   | 6.6 | 123       |
| 98  | Penicillin-derived inhibitors that simultaneously target both metallo- and serine- $\beta$ -lactamases. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1299-1304.   | 1.0 | 74        |
| 99  | Novel Mechanism of Hydrolysis of Therapeutic $\beta$ -Lactams by <i>Stenotrophomonas maltophilia</i> L1 Metallo- $\beta$ -lactamase. Journal of Biological Chemistry, 2001, 276, 33638-33644.                    | 1.6 | 85        |
| 100 | Overexpression, Purification, and Characterization of the Cloned Metallo- $\beta$ -Lactamase L1 from <i>Stenotrophomonas maltophilia</i> . Antimicrobial Agents and Chemotherapy, 1998, 42, 921-926.             | 1.4 | 181       |
| 101 | Is the Structure of the N-Domain of Phosphoglycerate Kinase Affected by Isolation from the Intact Molecule?. Biochemistry, 1997, 36, 333-340.  | 1.2 | 22        |
| 102 | Structure of a kinetic protein folding intermediate by equilibrium amide exchange. Nature Structural Biology, 1997, 4, 801-804.  | 9.7 | 34        |
| 103 | Domain Behavior during the Folding of a Thermostable Phosphoglycerate Kinase. Biochemistry, 1996, 35, 15740-15752.   | 1.2 | 35        |
| 104 | Penicillanic Acid Sulfones Inactivate the Extended-Spectrum $\beta$ -Lactamase CTX-M-15 through Formation of a Serine-Lysine Cross-Link: an Alternative Mechanism of $\beta$ -Lactamase Inhibition. MBio, 0, , , | 1.8 | 2         |