

# Chris J Schofield

## List of Publications by Year in descending order

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460  
papers

41,564  
citations

3334

91  
h-index

3182

186  
g-index

511  
all docs

511  
docs citations

511  
times ranked

34101  
citing authors

#	ARTICLE	IF	CITATIONS
1	JMJD6 Is a Druggable Oxygenase That Regulates AR-V7 Expression in Prostate Cancer. <i>Cancer Research</i> , 2022, 81, 1087-1100.	0.9	23
2	Inhibition of JMJD6 by 2-oxoglutarate Mimics. <i>ChemMedChem</i> , 2022, 17, e202100398.	3.2	5
3	Structure-Activity Studies Reveal Scope for Optimisation of Ebselen-Type Inhibition of SARS-CoV-2 Main Protease. <i>ChemMedChem</i> , 2022, 17, e202100582.	3.2	14
4	Imitation of $\beta$ -lactam binding enables broad-spectrum metallo- $\beta$ -lactamase inhibitors. <i>Nature Chemistry</i> , 2022, 14, 15-24.	13.6	39
5	Characterization of the SARS-CoV-2 ExoN (nsp14ExoN-nsp10) complex: implications for its role in viral genome stability and inhibitor identification. <i>Nucleic Acids Research</i> , 2022, 50, 1484-1500.	14.5	36
6	Mass Spectrometric Assays Reveal Discrepancies in Inhibition Profiles for the SARS-CoV-2 Papain-Like Protease. <i>ChemMedChem</i> , 2022, 17, .	3.2	14
7	Expanding the Repertoire of Low-Molecular-Weight Pentafluorosulfanyl-Substituted Scaffolds. <i>ChemMedChem</i> , 2022, 17, e202100641.	3.2	6
8	Pseudohypoxic HIF pathway activation dysregulates collagen structure-function in human lung fibrosis. <i>ELife</i> , 2022, 11, .	6.0	31
9	Reading and erasing of the phosphonium analogue of trimethyllysine by epigenetic proteins. <i>Communications Chemistry</i> , 2022, 5, .	4.5	5
10	Mechanisms of substrate recognition and N <sup>6</sup> -methyladenosine demethylation revealed by crystal structures of ALKBH5-RNA complexes. <i>Nucleic Acids Research</i> , 2022, 50, 4148-4160.	14.5	26
11	Studies on the Reactions of Biapenem with VIM Metallo- $\beta$ -Lactamases and the Serine $\beta$ -Lactamase KPC-2. <i>Antibiotics</i> , 2022, 11, 396.	3.7	8
12	Synthesis and Application of Constrained Amidoboronic Acids Using Amphoteric Boron-Containing Building Blocks. <i>Journal of Organic Chemistry</i> , 2022, 87, 94-102.	3.2	4
13	Conservation of the unusual dimeric JmjC fold of JMJD7 from <i>Drosophila melanogaster</i> to humans. <i>Scientific Reports</i> , 2022, 12, 6065.	3.3	3
14	Studies on enmetazobactam clarify mechanisms of widely used $\beta$ -lactamase inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117310119.	7.1	6
15	Broad-range metalloprotease profiling in plants uncovers immunity provided by defence-related metalloenzyme. <i>New Phytologist</i> , 2022, 235, 1287-1301.	7.3	3
16	Penicillin Derivatives Inhibit the SARS-CoV-2 Main Protease by Reaction with Its Nucleophilic Cysteine. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7682-7696.	6.4	22
17	Factor inhibiting HIF can catalyze two asparaginyl hydroxylations in VNVN motifs of ankyrin fold proteins. <i>Journal of Biological Chemistry</i> , 2022, 298, 102020.	3.4	4
18	Combined proteomic and biochemical analyses redefine the consensus sequence requirement for epidermal growth factor-like domain hydroxylation. <i>Journal of Biological Chemistry</i> , 2022, 298, 102129.	3.4	5

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19	Spectroscopic studies reveal details of substrate-induced conformational changes distant from the active site in isopenicillin N synthase. <i>Journal of Biological Chemistry</i> , 2022, , 102249.	3.4	0
20	Hypoxia and hypoxia mimetics differentially modulate histone post-translational modifications. <i>Epigenetics</i> , 2021, 16, 14-27.	2.7	12
21	Structural Investigations of the Inhibition of Escherichia coli AmpC $\beta$ -Lactamase by Diazabicyclooctanes. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	10
22	Natural variants modify Klebsiella pneumoniae carbapenemase (KPC) acyl-enzyme conformational dynamics to extend antibiotic resistance. <i>Journal of Biological Chemistry</i> , 2021, 296, 100126.	3.4	27
23	JMJD6 promotes self-renewal and regenerative capacity of hematopoietic stem cells. <i>Blood Advances</i> , 2021, 5, 889-899.	5.2	9
24	Evaluation of 3-carbamoylpropanoic acid analogs as inhibitors of human hypoxia-inducible factor (HIF) prolyl hydroxylase domain enzymes. <i>Medicinal Chemistry Research</i> , 2021, 30, 977-986.	2.4	1
25	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. <i>Nature Communications</i> , 2021, 12, 891.	12.8	54
26	Faropenem reacts with serine and metallo- $\beta$ -lactamases to give multiple products. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113257.	5.5	14
27	Structural Basis of Prolyl Hydroxylase Domain Inhibition by Molidustat. <i>ChemMedChem</i> , 2021, 16, 2082-2088.	3.2	22
28	Structural Basis of Metallo- $\beta$ -lactamase Inhibition by <i>N</i> -Sulfamoylpyrrole-2-carboxylates. <i>ACS Infectious Diseases</i> , 2021, 7, 1809-1817.	3.8	17
29	Human Oxygenase Variants Employing a Single Protein Fe II Ligand Are Catalytically Active. <i>Angewandte Chemie</i> , 2021, 133, 14778-14784.	2.0	0
30	Inhibition of the Oxygen-Sensing Asparaginyl Hydroxylase Factor Inhibiting Hypoxia-Inducible Factor: A Potential Hypoxia Response Modulating Strategy. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7189-7209.	6.4	17
31	Discovery of neuroprotective agents that inhibit human prolyl hydroxylase PHD2. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 38, 116115.	3.0	4
32	Human Oxygenase Variants Employing a Single Protein Fe <sup>II</sup> Ligand Are Catalytically Active. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14657-14663.	13.8	10
33	Exploiting Electrode Nanoconfinement to Investigate the Catalytic Properties of Isocitrate Dehydrogenase (IDH1) and a Cancer-Associated Variant. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6095-6101.	4.6	10
34	What Is the Catalytic Mechanism of Enzymatic Histone <i>N</i> -Methyl Arginine Demethylation and Can It Be Influenced by an External Electric Field?. <i>Chemistry - A European Journal</i> , 2021, 27, 11750-11750.	3.3	3
35	What Is the Catalytic Mechanism of Enzymatic Histone <i>N</i> -Methyl Arginine Demethylation and Can It Be Influenced by an External Electric Field?. <i>Chemistry - A European Journal</i> , 2021, 27, 11827-11836.	3.3	18
36	Bispecific repurposed medicines targeting the viral and immunological arms of COVID-19. <i>Scientific Reports</i> , 2021, 11, 13208.	3.3	24

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37	High-Throughput Crystallography Reveals Boron-Containing Inhibitors of a Penicillin-Binding Protein with Di- and Tricovalent Binding Modes. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11379-11394.	6.4	15
38	An on-demand, drop-on-drop method for studying enzyme catalysis by serial crystallography. <i>Nature Communications</i> , 2021, 12, 4461.	12.8	34
39	Fluorinated derivatives of pyridine-2,4-dicarboxylate are potent inhibitors of human 2-oxoglutarate dependent oxygenases. <i>Journal of Fluorine Chemistry</i> , 2021, 247, 109804.	1.7	8
40	X-ray free-electron laser studies reveal correlated motion during isopenicillin N synthase catalysis. <i>Science Advances</i> , 2021, 7, .	10.3	23
41	A phosphate binding pocket is a key determinant of exo- versus endo-nucleolytic activity in the SNM1 nuclease family. <i>Nucleic Acids Research</i> , 2021, 49, 9294-9309.	14.5	8
42	Structural and mechanistic insights into the Artemis endonuclease and strategies for its inhibition. <i>Nucleic Acids Research</i> , 2021, 49, 9310-9326.	14.5	20
43	One-Step Synthesis of Photoaffinity Probes for Live-Cell MS-Based Proteomics. <i>Chemistry - A European Journal</i> , 2021, 27, 17880-17888.	3.3	7
44	Kinetic and Structural Characterization of the First B3 Metallo- $\beta$ -Lactamase with an Active-Site Glutamic Acid. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0093621.	3.2	7
45	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.	7.4	54
46	Mass spectrometry reveals potential of $\beta$ -lactams as SARS-CoV-2 M <sup>pro</sup> inhibitors. <i>Chemical Communications</i> , 2021, 57, 1430-1433.	4.1	35
47	Synthesis of 2-oxoglutarate derivatives and their evaluation as cosubstrates and inhibitors of human aspartate/asparagine- $\beta$ -hydroxylase. <i>Chemical Science</i> , 2021, 12, 1327-1342.	7.4	8
48	Design and enantioselective synthesis of 3-( $\beta$ -acrylic acid) benzoxaboroles to combat carbapenemase resistance. <i>Chemical Communications</i> , 2021, 57, 7709-7712.	4.1	15
49	Roles of metal ions in the selective inhibition of oncogenic variants of isocitrate dehydrogenase 1. <i>Communications Biology</i> , 2021, 4, 1243.	4.4	12
50	Improved Synthesis of Phosphoramidite-Protected N6-Methyladenosine via BOP-Mediated SNAr Reaction. <i>Molecules</i> , 2021, 26, 147.	3.8	2
51	2-Oxoglutarate derivatives can selectively enhance or inhibit the activity of human oxygenases. <i>Nature Communications</i> , 2021, 12, 6478.	12.8	10
52	Structure-Based Design of Selective Fat Mass and Obesity Associated Protein (FTO) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16609-16625.	6.4	9
53	First-in-Class Inhibitors of the Ribosomal Oxygenase MINA53. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17031-17050.	6.4	7
54	Investigations on Zinc Isotope Fractionation in Breast Cancer Tissue Using in vitro Cell Culture Uptake-Efflux Experiments. <i>Frontiers in Medicine</i> , 2021, 8, 746532.	2.6	5

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55	Metabolic adaptations in cancers expressing isocitrate dehydrogenase mutations. <i>Cell Reports Medicine</i> , 2021, 2, 100469.	6.5	21
56	Isocitrate dehydrogenase gene variants in cancer and their clinical significance. <i>Biochemical Society Transactions</i> , 2021, 49, 2561-2572.	3.4	10
57	MeLAD: an integrated resource for metalloenzyme-ligand associations. <i>Bioinformatics</i> , 2020, 36, 904-909.	4.1	23
58	A Fluorescence-Based Assay for Screening $\beta$ -Lactams Targeting the <i>Mycobacterium tuberculosis</i> Transpeptidase Ldt <sub>Mt2</sub> . <i>ChemBioChem</i> , 2020, 21, 368-372.	2.6	13
59	Studies on the selectivity of proline hydroxylases reveal new substrates including bicycles. <i>Bioorganic Chemistry</i> , 2020, 94, 103386.	4.1	13
60	Quantitative MS-Based Proteomics: Comparing the MCF7 Cellular Response to Hypoxia and a $\alpha$ -Koxoglutarate Analogue. <i>ChemBioChem</i> , 2020, 21, 1647-1655.	2.6	9
61	HIF hydroxylase inhibitors decrease cellular oxygen consumption depending on their selectivity. <i>FASEB Journal</i> , 2020, 34, 2344-2358.	0.5	26
62	Broad Spectrum $\beta$ -Lactamase Inhibition by a Thioether Substituted Bicyclic Boronate. <i>ACS Infectious Diseases</i> , 2020, 6, 1398-1404.	3.8	15
63	Catalysis by the Non-Heme Iron(II) Histone Demethylase PHF8 Involves Iron Center Rearrangement and Conformational Modulation of Substrate Orientation. <i>ACS Catalysis</i> , 2020, 10, 1195-1209.	11.2	52
64	Structure-Activity Relationship and Crystallographic Studies on $\beta$ -Hydroxypyrimidine HIF Prolyl Hydroxylase Domain Inhibitors. <i>ChemMedChem</i> , 2020, 15, 270-273.	3.2	21
65	The SNM1A DNA repair nuclease. <i>DNA Repair</i> , 2020, 95, 102941.	2.8	23
66	Reducing Agent-Mediated Nonenzymatic Conversion of $\alpha$ -Koxoglutarate to Succinate: Implications for Oxygenase Assays. <i>ChemBioChem</i> , 2020, 21, 2898-2902.	2.6	6
67	Isocitrate dehydrogenase variants in cancer – Cellular consequences and therapeutic opportunities. <i>Current Opinion in Chemical Biology</i> , 2020, 57, 122-134.	6.1	35
68	Small-molecule active pharmaceutical ingredients of approved cancer therapeutics inhibit human aspartate/asparagine- $\beta$ -hydroxylase. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115675.	3.0	8
69	A small-molecule probe for monitoring binding to prolyl hydroxylase domain 2 by fluorescence polarisation. <i>Chemical Communications</i> , 2020, 56, 14199-14202.	4.1	7
70	Metampicillin is a cyclic aminal produced by reaction of ampicillin with formaldehyde. <i>Scientific Reports</i> , 2020, 10, 17955.	3.3	2
71	Allosteric Inhibition of the SARS-CoV-2 Main Protease: Insights from Mass Spectrometry Based Assays**. <i>Angewandte Chemie</i> , 2020, 132, 23750-23754.	2.0	10
72	Biochemical and biophysical analyses of hypoxia sensing prolyl hydroxylases from <i>Dictyostelium discoideum</i> and <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 16545-16561.	3.4	10

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73	Allosteric Inhibition of the SARS-CoV-2 Main Protease: Insights from Mass Spectrometry Based Assays**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23544-23548.	13.8	92
74	Catalysis by the JmjC histone demethylase KDM4A integrates substrate dynamics, correlated motions and molecular orbital control. <i>Chemical Science</i> , 2020, 11, 9950-9961.	7.4	23
75	Analysis of $\beta$ -lactone formation by clinically observed carbapenemases informs on a novel antibiotic resistance mechanism. <i>Journal of Biological Chemistry</i> , 2020, 295, 16604-16613.	3.4	12
76	Monitoring protein-metal binding by 19F NMR – a case study with the New Delhi metallo- $\beta$ -lactamase 1. <i>RSC Medicinal Chemistry</i> , 2020, 11, 387-391.	3.9	2
77	A human protein hydroxylase that accepts D-residues. <i>Communications Chemistry</i> , 2020, 3, .	4.5	6
78	Anion-exchange chromatography mass spectrometry provides extensive coverage of primary metabolic pathways revealing altered metabolism in IDH1 mutant cells. <i>Communications Biology</i> , 2020, 3, 247.	4.4	51
79	Role of Structural Dynamics in Selectivity and Mechanism of Non-heme Fe(II) and 2-Oxoglutarate-Dependent Oxygenases Involved in DNA Repair. <i>ACS Central Science</i> , 2020, 6, 795-814.	11.3	40
80	Aspartate/asparagine- $\beta$ -hydroxylase: a high-throughput mass spectrometric assay for discovery of small molecule inhibitors. <i>Scientific Reports</i> , 2020, 10, 8650.	3.3	18
81	Bicyclic Boronates as Potent Inhibitors of AmpC, the Class C $\beta$ -Lactamase from <i>Escherichia coli</i> . <i>Biomolecules</i> , 2020, 10, 899.	4.0	20
82	Structures of <i>Mycobacterium tuberculosis</i> Penicillin-Binding Protein 3 in Complex with Five $\beta$ -Lactam Antibiotics Reveal Mechanism of Inactivation. <i>Molecular Pharmacology</i> , 2020, 97, 287-294.	2.3	20
83	In vitro efficacy of imipenem-relebactam and cefepime-AAI101 against a global collection of ESBL-positive and carbapenemase-producing Enterobacteriaceae. <i>International Journal of Antimicrobial Agents</i> , 2020, 56, 105925.	2.5	29
84	Mechanism of Molecular Oxygen Diffusion in a Hypoxia-Sensing Prolyl Hydroxylase Using Multiscale Simulation. <i>Journal of the American Chemical Society</i> , 2020, 142, 2253-2263.	13.7	19
85	Cyclic boronates as versatile scaffolds for KPC-2 $\beta$ -lactamase inhibition. <i>RSC Medicinal Chemistry</i> , 2020, 11, 491-496.	3.9	20
86	Hypoxia-inducible factor (HIF) prolyl hydroxylase inhibitors induce autophagy and have a protective effect in an in-vitro ischaemia model. <i>Scientific Reports</i> , 2020, 10, 1597.	3.3	34
87	Microbiome-derived carnitine mimics as previously unknown mediators of gut-brain axis communication. <i>Science Advances</i> , 2020, 6, eaax6328.	10.3	45
88	Synthesis of Novel Pyridine-Carboxylates as Small-Molecule Inhibitors of Human Aspartate/Asparagine- $\beta$ -Hydroxylase. <i>ChemMedChem</i> , 2020, 15, 1139-1149.	3.2	10
89	Use of cyclic peptides to induce crystallization: case study with prolyl hydroxylase domain 2. <i>Scientific Reports</i> , 2020, 10, 21964.	3.3	5
90	Kinetic parameters of human aspartate/asparagine- $\beta$ -hydroxylase suggest that it has a possible function in oxygen sensing. <i>Journal of Biological Chemistry</i> , 2020, 295, 7826-7838.	3.4	18

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91	Anaerobic fixed-target serial crystallography. <i>IUCr</i> , 2020, 7, 901-912.	2.2	12
92	Novel 2-oxoglutarate Analogues Modulate the Epigenetic Activity of the Cancer-related Human Enzyme Aspartate/Asparagine- $\beta$ -Hydroxylase. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
93	Mapping the Hydrophobic Substrate Binding Site of Phenylalanine Ammonia-Lyase from <i>Petroselinum crispum</i> . <i>ACS Catalysis</i> , 2019, 9, 8825-8834.	11.2	28
94	Targeting the <i>Mycobacterium tuberculosis</i> transpeptidase LdtMt2 with cysteine-reactive inhibitors including ebselen. <i>Chemical Communications</i> , 2019, 55, 10214-10217.	4.1	25
95	Molecular Basis of Class A $\beta$ -Lactamase Inhibition by Relebactam. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	45
96	<sup>19</sup> F-NMR Monitoring of Reversible Protein Post-translational Modifications: Class D $\beta$ -Lactamase Carbamylation and Inhibition. <i>Chemistry - A European Journal</i> , 2019, 25, 11837-11841.	3.3	14
97	The Clinically Used Iron Chelator Deferasirox Is an Inhibitor of Epigenetic JumonjiC Domain-Containing Histone Demethylases. <i>ACS Chemical Biology</i> , 2019, 14, 1737-1750.	3.4	22
98	Expansion of base excision repair compensates for a lack of DNA repair by oxidative dealkylation in budding yeast. <i>Journal of Biological Chemistry</i> , 2019, 294, 13629-13637.	3.4	8
99	How formaldehyde reacts with amino acids. <i>Communications Chemistry</i> , 2019, 2, .	4.5	102
100	Aspartate/asparagine- $\beta$ -hydroxylase crystal structures reveal an unexpected epidermal growth factor-like domain substrate disulfide pattern. <i>Nature Communications</i> , 2019, 10, 4910.	12.8	34
101	Bicyclic Boronate VNRX-5133 Inhibits Metallo- and Serine- $\beta$ -Lactamases. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8544-8556.	6.4	139
102	Mechanistic Insights into $\beta$ -Lactamase-Catalysed Carbapenem Degradation Through Product Characterisation. <i>Scientific Reports</i> , 2019, 9, 13608.	3.3	27
103	Small-molecules that covalently react with a human prolyl hydroxylase " towards activity modulation and substrate capture. <i>Chemical Communications</i> , 2019, 55, 1020-1023.	4.1	6
104	An essential role for dNTP homeostasis following CDK-induced replication stress. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	16
105	Conformational flexibility influences structure-function relationships in nucleic acid N-methyl demethylases. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2223-2231.	2.8	16
106	Biocatalytic production of bicyclic $\beta$ -lactams with three contiguous chiral centres using engineered crotonases. <i>Communications Chemistry</i> , 2019, 2, .	4.5	9
107	Biochemical and structural investigations clarify the substrate selectivity of the 2-oxoglutarate oxygenase JMJD6. <i>Journal of Biological Chemistry</i> , 2019, 294, 11637-11652.	3.4	25
108	Profiling interactions of vaborbactam with metallo- $\beta$ -lactamases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1981-1984.	2.2	34

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109	Will morphing boron-based inhibitors beat the $\beta$ -lactamases?. <i>Current Opinion in Chemical Biology</i> , 2019, 50, 101-110.	6.1	69
110	Studies on spiro[4.5]decanone prolyl hydroxylase domain inhibitors. <i>MedChemComm</i> , 2019, 10, 500-504.	3.4	8
111	A Noninvasive Comparison Study between Human Gliomas with IDH1 and IDH2 Mutations by MR Spectroscopy. <i>Metabolites</i> , 2019, 9, 35.	2.9	22
112	Studies on the inhibition of AmpC and other $\beta$ -lactamases by cyclic boronates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 742-748.	2.4	28
113	Conformational Dynamics Underlies Different Functions of Human KDM7 Histone Demethylases. <i>Chemistry - A European Journal</i> , 2019, 25, 5422-5426.	3.3	20
114	Inhibition of a viral prolyl hydroxylase. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2405-2412.	3.0	4
115	Structure-Based in Silico Screening Identifies a Potent Ebolavirus Inhibitor from a Traditional Chinese Medicine Library. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2928-2937.	6.4	34
116	Formaldehyde quantification using ampicillin is not selective. <i>Scientific Reports</i> , 2019, 9, 18289.	3.3	5
117	<sup>19</sup> F NMR studies on $\beta$ -butyrobetaine hydroxylase provide mechanistic insights and suggest a dual inhibition mode. <i>Chemical Communications</i> , 2019, 55, 14717-14720.	4.1	4
118	Non-Hydrolytic $\beta$ -Lactam Antibiotic Fragmentation by $\beta$ -Transpeptidases and Serine $\beta$ -Lactamase Cysteine Variants. <i>Angewandte Chemie</i> , 2019, 131, 2012-2016.	2.0	4
119	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.	13.8	27
120	Crystal structures of VIM-class complexes explain active site heterogeneity in VIM-class metallo- $\beta$ -lactamases. <i>FEBS Journal</i> , 2019, 286, 169-183.	4.7	30
121	Selective Inhibitors of a Human Prolyl Hydroxylase (OGFOD1) Involved in Ribosomal Decoding. <i>Chemistry - A European Journal</i> , 2019, 25, 2019-2024.	3.3	5
122	A Fluorescent Benzo[g]isoquinoline-Based HIF Prolyl Hydroxylase Inhibitor for Cellular Imaging. <i>ChemMedChem</i> , 2019, 14, 94-99.	3.2	2
123	Lack of activity of recombinant HIF prolyl hydroxylases (PHDs) on reported non-HIF substrates. <i>ELife</i> , 2019, 8, .	6.0	70
124	Structure activity relationship studies on rhodanines and derived enethiol inhibitors of metallo- $\beta$ -lactamases. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2928-2936.	3.0	17
125	2-Oxoglutarate-Dependent Oxygenases. <i>Annual Review of Biochemistry</i> , 2018, 87, 585-620.	11.1	276
126	Non-competitive cyclic peptides for targeting enzyme-substrate complexes. <i>Chemical Science</i> , 2018, 9, 4569-4578.	7.4	24



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127	Inhibitors of both the N <sup>6</sup> -methyl lysyl- and arginyl-demethylase activities of the JmjC oxygenases. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170071.	4.0	18
128	A New Mechanism for $\beta$ -Lactamases: Class D Enzymes Degrade $\beta$ -Methyl Carbapenems through Lactone Formation. <i>Angewandte Chemie</i> , 2018, 130, 1296-1299.	2.0	4
129	Lysine <sup>241</sup> Has a Role in Coupling 2OG Turnover with Substrate Oxidation During KDM4 <sup>4</sup> -Catalysed Histone Demethylation. <i>ChemBioChem</i> , 2018, 19, 917-921.	2.6	7
130	Deciphering Functions of Intracellular Formaldehyde: Linking Cancer and Aldehyde Metabolism. <i>Biochemistry</i> , 2018, 57, 904-906.	2.5	21
131	Rh( <i>iii</i> )-Catalyzed directed C-H carbenoid coupling reveals aromatic bisphosphonates inhibiting metallo- and Serine- $\beta$ -lactamases. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1288-1292.	4.5	21
132	In Silico Fragment-Based Design Identifies Subfamily B1 Metallo- $\beta$ -lactamase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1255-1260.	6.4	40
133	A comparison of $\alpha$ -hydroxyglutarate detection at 3 and 7 $\mu$ m with long $\lambda$ TE semi $\mu$ LASER. <i>NMR in Biomedicine</i> , 2018, 31, e3886.	2.8	25
134	Investigations on small molecule inhibitors targeting the histone H3K4 tri-methyllysine binding PHD-finger of JmjC histone demethylases. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2984-2991.	3.0	26
135	JMJD5 is a human arginyl C-3 hydroxylase. <i>Nature Communications</i> , 2018, 9, 1180.	12.8	37
136	2-Oxoglutarate regulates binding of hydroxylated hypoxia-inducible factor to prolyl hydroxylase domain 2. <i>Chemical Communications</i> , 2018, 54, 3130-3133.	4.1	29
137	YcfDRM is a thermophilic oxygen-dependent ribosomal protein uL16 oxygenase. <i>Extremophiles</i> , 2018, 22, 553-562.	2.3	6
138	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.	13.8	27
139	Cyclobutanone Mimics of Intermediates in Metallo $\beta$ -Lactamase Catalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 5734-5737.	3.3	25
140	Direct sulfonylation of anilines mediated by visible light. <i>Chemical Science</i> , 2018, 9, 629-633.	7.4	61
141	Born to sense: biophysical analyses of the oxygen sensing prolyl hydroxylase from the simplest animal <i>Trichoplax adhaerens</i> . <i>Hypoxia (Auckland, N Z)</i> , 2018, Volume 6, 57-71.	1.9	12
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