Chris J Schofield

List of Publications by Year
in descending order

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460 papers	41,564 citations	3325 91 h-index	3173 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. Cancer Research, 2022, 81, 1087-1100.	0.4	23
2	Inhibition of JMJD6 by 2â€Oxoglutarate Mimics. ChemMedChem, 2022, 17, e202100398.	1.6	5
3	Structureâ€Activity Studies Reveal Scope for Optimisation of Ebselenâ€Type Inhibition of SARSâ€CoVâ€2 Main Protease. ChemMedChem, 2022, 17, e202100582.	1.6	14
4	Imitation of Î²-lactam binding enables broad-spectrum metallo-Î²-lactamase inhibitors. Nature Chemistry, 2022, 14, 15-24.	6.6	39
5	Characterization of the SARS-CoV-2 ExoN (nsp14ExoNâ€“nsp10) complex: implications for its role in viral genome stability and inhibitor identification. Nucleic Acids Research, 2022, 50, 1484-1500.	6.5	36
6	Mass Spectrometric Assays Reveal Discrepancies in Inhibition Profiles for the SARSâ€CoVâ€2 Papainâ€Like Protease. ChemMedChem, 2022, 17, .	1.6	14
7	Expanding the Repertoire of Lowâ€Molecularâ€Weight Pentafluorosulfanylâ€Substituted Scaffolds. ChemMedChem, 2022, 17, e202100641.	1.6	6
8	Pseudohypoxic HIF pathway activation dysregulates collagen structure-function in human lung fibrosis. ELife, 2022, 11, .	2.8	31
9	Reading and erasing of the phosphonium analogue of trimethyllysine by epigenetic proteins. Communications Chemistry, 2022, 5, .	2.0	5
10	Mechanisms of substrate recognition and N6-methyladenosine demethylation revealed by crystal structures of ALKBH5â€“RNA complexes. Nucleic Acids Research, 2022, 50, 4148-4160.	6.5	26
11	Studies on the Reactions of Biapenem with VIM Metallo Î²-Lactamases and the Serine Î²-Lactamase KPC-2. Antibiotics, 2022, 11, 396.	1.5	8
12	Synthesis and Application of Constrained Amidoboronic Acids Using Amphoteric Boron-Containing Building Blocks. Journal of Organic Chemistry, 2022, 87, 94-102.	1.7	4
13	Conservation of the unusual dimeric JmjC fold of JMJD7 from Drosophila melanogaster to humans. Scientific Reports, 2022, 12, 6065.	1.6	3
14	Studies on enmetazobactam clarify mechanisms of widely used Î²-lactamase inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117310119.	3.3	6
15	Broadâ€range metalloprotease profiling in plants uncovers immunity provided by defenceâ€related metalloenzyme. New Phytologist, 2022, 235, 1287-1301.	3.5	3
16	Penicillin Derivatives Inhibit the SARS-CoV-2 Main Protease by Reaction with Its Nucleophilic Cysteine. Journal of Medicinal Chemistry, 2022, 65, 7682-7696.	2.9	22
17	Factor inhibiting HIF can catalyze two asparaginyl hydroxylations in VNVN motifs of ankyrin fold proteins. Journal of Biological Chemistry, 2022, 298, 102020.	1.6	4
18	Combined proteomic and biochemical analyses redefine the consensus sequence requirement for epidermal growth factor-like domain hydroxylation. Journal of Biological Chemistry, 2022, 298, 102129.	1.6	5

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19	Spectroscopic studies reveal details of substrate-induced conformational changes distant from the active site in isopenicillin N synthase. Journal of Biological Chemistry, 2022, , 102249.	1.6	0
20	Hypoxia and hypoxia mimetics differentially modulate histone post-translational modifications. Epigenetics, 2021, 16, 14-27.	1.3	12
21	Structural Investigations of the Inhibition of Escherichia coli AmpC Î²-Lactamase by Diazabicyclooctanes. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	10
22	Natural variants modify Klebsiella pneumoniae carbapenemase (KPC) acylâ€“enzyme conformational dynamics to extend antibiotic resistance. Journal of Biological Chemistry, 2021, 296, 100126.	1.6	27
23	JMJD6 promotes self-renewal and regenerative capacity of hematopoietic stem cells. Blood Advances, 2021, 5, 889-899.	2.5	9
24	Evaluation of 3-carbamoylpropanoic acid analogs as inhibitors of human hypoxia-inducible factor (HIF) prolyl hydroxylase domain enzymes. Medicinal Chemistry Research, 2021, 30, 977-986.	1.1	1
25	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. Nature Communications, 2021, 12, 891.	5.8	54
26	Faropenem reacts with serine and metallo-Î²-lactamases to give multiple products. European Journal of Medicinal Chemistry, 2021, 215, 113257.	2.6	14
27	Structural Basis of Prolyl Hydroxylase Domain Inhibition by Molidustat. ChemMedChem, 2021, 16, 2082-2088.	1.6	22
28	Structural Basis of Metallo-Î²-lactamase Inhibition byN-Sulfamoylpyrrole-2-carboxylates. ACS Infectious Diseases, 2021, 7, 1809-1817.	1.8	17
29	Human Oxygenase Variants Employing a Single Protein Fe II Ligand Are Catalytically Active. Angewandte Chemie, 2021, 133, 14778-14784.	1.6	0
30	Inhibition of the Oxygen-Sensing Asparaginyl Hydroxylase Factor Inhibiting Hypoxia-Inducible Factor: A Potential Hypoxia Response Modulating Strategy. Journal of Medicinal Chemistry, 2021, 64, 7189-7209.	2.9	17
31	Discovery of neuroprotective agents that inhibit human prolyl hydroxylase PHD2. Bioorganic and Medicinal Chemistry, 2021, 38, 116115.	1.4	4
32	Human Oxygenase Variants Employing a Single Protein Fe^{II} Ligand Are Catalytically Active. Angewandte Chemie - International Edition, 2021, 60, 14657-14663.	7.2	10
33	Exploiting Electrode Nanoconfinement to Investigate the Catalytic Properties of Isocitrate Dehydrogenase (IDH1) and a Cancer-Associated Variant. Journal of Physical Chemistry Letters, 2021, 12, 6095-6101.	2.1	10
34	What Is the Catalytic Mechanism of Enzymatic Histone Nâ€Methyl Arginine Demethylation and Can It Be Influenced by an External Electric Field?. Chemistry - A European Journal, 2021, 27, 11750-11750.	1.7	3
35	What Is the Catalytic Mechanism of Enzymatic Histone Nâ€Methyl Arginine Demethylation and Can It Be Influenced by an External Electric Field?. Chemistry - A European Journal, 2021, 27, 11827-11836.	1.7	18
36	Bispecific repurposed medicines targeting the viral and immunological arms of COVID-19. Scientific Reports, 2021, 11, 13208.	1.6	24

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37	High-Throughput Crystallography Reveals Boron-Containing Inhibitors of a Penicillin-Binding Protein with Di- and Tricovalent Binding Modes. Journal of Medicinal Chemistry, 2021, 64, 11379-11394.	2.9	15
38	An on-demand, drop-on-drop method for studying enzyme catalysis by serial crystallography. Nature Communications, 2021, 12, 4461.	5.8	34
39	Fluorinated derivatives of pyridine-2,4-dicarboxylate are potent inhibitors of human 2-oxoglutarate dependent oxygenases. Journal of Fluorine Chemistry, 2021, 247, 109804.	0.9	8
40	X-ray free-electron laser studies reveal correlated motion during isopenicillin N synthase catalysis. Science Advances, 2021, 7, .	4.7	23
41	A phosphate binding pocket is a key determinant of exo- versus endo-nucleolytic activity in the SNM1 nuclease family. Nucleic Acids Research, 2021, 49, 9294-9309.	6.5	8
42	Structural and mechanistic insights into the Artemis endonuclease and strategies for its inhibition. Nucleic Acids Research, 2021, 49, 9310-9326.	6.5	20
43	Oneâ€Step Synthesis of Photoaffinity Probes for Liveâ€Cell MSâ€Based Proteomics. Chemistry - A European Journal, 2021, 27, 17880-17888.	1.7	7
44	Kinetic and Structural Characterization of the First B3 Metallo-Î²-Lactamase with an Active-Site Glutamic Acid. Antimicrobial Agents and Chemotherapy, 2021, 65, e0093621.	1.4	7
45	Discovery of SARS-CoV-2 M^{pro} peptide inhibitors from modelling substrate and ligand binding. Chemical Science, 2021, 12, 13686-13703.	3.7	54
46	Mass spectrometry reveals potential of Î²-lactams as SARS-CoV-2 M^{pro} inhibitors. Chemical Communications, 2021, 57, 1430-1433.	2.2	35
47	Synthesis of 2-oxoglutarate derivatives and their evaluation as cosubstrates and inhibitors of human aspartate/asparagine-Î²-hydroxylase. Chemical Science, 2021, 12, 1327-1342.	3.7	8
48	Design and enantioselective synthesis of 3-(Î±-acrylic acid) benzoxaboroles to combat carbapenemase resistance. Chemical Communications, 2021, 57, 7709-7712.	2.2	15
49	Roles of metal ions in the selective inhibition of oncogenic variants of isocitrate dehydrogenase 1. Communications Biology, 2021, 4, 1243.	2.0	12
50	Improved Synthesis of Phosphoramidite-Protected N6-Methyladenosine via BOP-Mediated SNAr Reaction. Molecules, 2021, 26, 147.	1.7	2
51	2-Oxoglutarate derivatives can selectively enhance or inhibit the activity of human oxygenases. Nature Communications, 2021, 12, 6478.	5.8	10
52	Structure-Based Design of Selective Fat Mass and Obesity Associated Protein (FTO) Inhibitors. Journal of Medicinal Chemistry, 2021, 64, 16609-16625.	2.9	9
53	First-in-Class Inhibitors of the Ribosomal Oxygenase MINA53. Journal of Medicinal Chemistry, 2021, 64, 17031-17050.	2.9	7
54	Investigations on Zinc Isotope Fractionation in Breast Cancer Tissue Using in vitro Cell Culture Uptake-Efflux Experiments. Frontiers in Medicine, 2021, 8, 746532.	1.2	5

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55	Metabolic adaptations in cancers expressing isocitrate dehydrogenase mutations. Cell Reports Medicine, 2021, 2, 100469.	3.3	21
56	Isocitrate dehydrogenase gene variants in cancer and their clinical significance. Biochemical Society Transactions, 2021, 49, 2561-2572.	1.6	10
57	MeLAD: an integrated resource for metalloenzyme-ligand associations. Bioinformatics, 2020, 36, 904-909.	1.8	23
58	A Fluorescenceâ€Based Assay for Screening Î²â€Lactams Targeting the Mycobacterium tuberculosis Transpeptidase Ldt_{Mt2}. ChemBioChem, 2020, 21, 368-372.	1.3	13
59	Studies on the selectivity of proline hydroxylases reveal new substrates including bicycles. Bioorganic Chemistry, 2020, 94, 103386.	2.0	13
60	Quantitative MSâ€Based Proteomics: Comparing the MCFâ€7 Cellular Response to Hypoxia and a 2â€Oxoglutarate Analogue. ChemBioChem, 2020, 21, 1647-1655.	1.3	9
61	HIF hydroxylase inhibitors decrease cellular oxygen consumption depending on their selectivity. FASEB Journal, 2020, 34, 2344-2358.	0.2	26
62	Broad Spectrum Î²-Lactamase Inhibition by a Thioether Substituted Bicyclic Boronate. ACS Infectious Diseases, 2020, 6, 1398-1404.	1.8	15
63	Catalysis by the Non-Heme Iron(II) Histone Demethylase PHF8 Involves Iron Center Rearrangement and Conformational Modulation of Substrate Orientation. ACS Catalysis, 2020, 10, 1195-1209.	5.5	52
64	Structureâ€Activity Relationship and Crystallographic Studies on 4â€Hydroxypyrimidine HIF Prolyl Hydroxylase Domain Inhibitors. ChemMedChem, 2020, 15, 270-273.	1.6	21
65	The SNM1A DNA repair nuclease. DNA Repair, 2020, 95, 102941.	1.3	23
66	Reducing Agentâ€Mediated Nonenzymatic Conversion of 2â€Oxoglutarate to Succinate: Implications for Oxygenase Assays. ChemBioChem, 2020, 21, 2898-2902.	1.3	6
67	Isocitrate dehydrogenase variants in cancer â€" Cellular consequences and therapeutic opportunities. Current Opinion in Chemical Biology, 2020, 57, 122-134.	2.8	35
68	Small-molecule active pharmaceutical ingredients of approved cancer therapeutics inhibit human aspartate/asparagine-Î²-hydroxylase. Bioorganic and Medicinal Chemistry, 2020, 28, 115675.	1.4	8
69	A small-molecule probe for monitoring binding to prolyl hydroxylase domain 2 by fluorescence polarisation. Chemical Communications, 2020, 56, 14199-14202.	2.2	7
70	Metampicillin is a cyclic aminal produced by reaction of ampicillin with formaldehyde. Scientific Reports, 2020, 10, 17955.	1.6	2
71	Allosteric Inhibition of the SARSâ€CoVâ€2 Main Protease: Insights from Mass Spectrometry Based Assays**. Angewandte Chemie, 2020, 132, 23750-23754.	1.6	10
72	Biochemical and biophysical analyses of hypoxia sensing prolyl hydroxylases from Dictyostelium discoideum and Toxoplasma gondii. Journal of Biological Chemistry, 2020, 295, 16545-16561.	1.6	10

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73	Allosteric Inhibition of the SARSâ€CoVâ€2 Main Protease: Insights from Mass Spectrometry Based Assays**. Angewandte Chemie - International Edition, 2020, 59, 23544-23548.	7.2	92
74	Catalysis by the JmjC histone demethylase KDM4A integrates substrate dynamics, correlated motions and molecular orbital control. Chemical Science, 2020, 11, 9950-9961.	3.7	23
75	Analysis of Î²-lactone formation by clinically observed carbapenemases informs on a novel antibiotic resistance mechanism. Journal of Biological Chemistry, 2020, 295, 16604-16613.	1.6	12
76	Monitoring protein-metal binding by 19F NMR â€“ a case study with the New Delhi metallo-Î²-lactamase 1. RSC Medicinal Chemistry, 2020, 11, 387-391.	1.7	2
77	A human protein hydroxylase that accepts D-residues. Communications Chemistry, 2020, 3, .	2.0	6
78	Anion-exchange chromatography mass spectrometry provides extensive coverage of primary metabolic pathways revealing altered metabolism in IDH1 mutant cells. Communications Biology, 2020, 3, 247.	2.0	51
79	Role of Structural Dynamics in Selectivity and Mechanism of Non-heme Fe(II) and 2-Oxoglutarate-Dependent Oxygenases Involved in DNA Repair. ACS Central Science, 2020, 6, 795-814.	5.3	40
80	Aspartate/asparagine-Î²-hydroxylase: a high-throughput mass spectrometric assay for discovery of small molecule inhibitors. Scientific Reports, 2020, 10, 8650.	1.6	18
81	Bicyclic Boronates as Potent Inhibitors of AmpC, the Class C Î²-Lactamase from Escherichia coli. Biomolecules, 2020, 10, 899.	1.8	20
82	Structures of Mycobacterium tuberculosis Penicillin-Binding Protein 3 in Complex with Five Î²-Lactam Antibiotics Reveal Mechanism of Inactivation. Molecular Pharmacology, 2020, 97, 287-294.	1.0	20
83	In vitro efficacy of imipenem-relebactam and cefepime-AAI101 against a global collection of ESBL-positive and carbapenemase-producing Enterobacteriaceae. International Journal of Antimicrobial Agents, 2020, 56, 105925.	1.1	29
84	Mechanism of Molecular Oxygen Diffusion in a Hypoxia-Sensing Prolyl Hydroxylase Using Multiscale Simulation. Journal of the American Chemical Society, 2020, 142, 2253-2263.	6.6	19
85	Cyclic boronates as versatile scaffolds for KPC-2 Î²-lactamase inhibition. RSC Medicinal Chemistry, 2020, 11, 491-496.	1.7	20
86	Hypoxia-inducible factor (HIF) prolyl hydroxylase inhibitors induce autophagy and have a protective effect in an in-vitro ischaemia model. Scientific Reports, 2020, 10, 1597.	1.6	34
87	Microbiome-derived carnitine mimics as previously unknown mediators of gut-brain axis communication. Science Advances, 2020, 6, eaax6328.	4.7	45
88	Synthesis of Novel Pyridineâ€Carboxylates as Smallâ€Molecule Inhibitors of Human Aspartate/Asparagineâ€Î²â€Hydroxylase. ChemMedChem, 2020, 15, 1139-1149.	1.6	10
89	Use of cyclic peptides to induce crystallization: case study with prolyl hydroxylase domain 2. Scientific Reports, 2020, 10, 21964.	1.6	5
90	Kinetic parameters of human aspartate/asparagineâ€“Î²-hydroxylase suggest that it has a possible function in oxygen sensing. Journal of Biological Chemistry, 2020, 295, 7826-7838.	1.6	18

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91	Anaerobic fixed-target serial crystallography. IUCrJ, 2020, 7, 901-912.	1.0	12
92	Novel 2â€Oxoglutarate Analogues Modulate the Epigenetic Activity of the Cancerâ€related Human Enzyme Aspartate/Asparagineâ€Î²â€Hydroxylase. FASEB Journal, 2020, 34, 1-1.	0.2	0
93	Mapping the Hydrophobic Substrate Binding Site of Phenylalanine Ammonia-Lyase from Petroselinum crispum. ACS Catalysis, 2019, 9, 8825-8834.	5.5	28
94	Targeting the Mycobacterium tuberculosis transpeptidase LdtMt2 with cysteine-reactive inhibitors including ebselen. Chemical Communications, 2019, 55, 10214-10217.	2.2	25
95	Molecular Basis of Class A Î²-Lactamase Inhibition by Relebactam. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	45
96	¹⁹Fâ€…NMR Monitoring of Reversible Protein Postâ€Translational Modifications: Classâ€…D Î²â€Lactamase Carbamylation and Inhibition. Chemistry - A European Journal, 2019, 25, 11837-11841.	1.7	14
97	The Clinically Used Iron Chelator Deferasirox Is an Inhibitor of Epigenetic JumonjiC Domain-Containing Histone Demethylases. ACS Chemical Biology, 2019, 14, 1737-1750.	1.6	22
98	Expansion of base excision repair compensates for a lack of DNA repair by oxidative dealkylation in budding yeast. Journal of Biological Chemistry, 2019, 294, 13629-13637.	1.6	8
99	How formaldehyde reacts with amino acids. Communications Chemistry, 2019, 2, .	2.0	102
100	Aspartate/asparagine-Î²-hydroxylase crystal structures reveal an unexpected epidermal growth factor-like domain substrate disulfide pattern. Nature Communications, 2019, 10, 4910.	5.8	34
101	Bicyclic Boronate VNRX-5133 Inhibits Metallo- and Serine-Î²-Lactamases. Journal of Medicinal Chemistry, 2019, 62, 8544-8556.	2.9	139
102	Mechanistic Insights into Î²-Lactamase-Catalysed Carbapenem Degradation Through Product Characterisation. Scientific Reports, 2019, 9, 13608.	1.6	27
103	Small-molecules that covalently react with a human prolyl hydroxylase â€“ towards activity modulation and substrate capture. Chemical Communications, 2019, 55, 1020-1023.	2.2	6
104	An essential role for dNTP homeostasis following CDK-induced replication stress. Journal of Cell Science, 2019, 132, .	1.2	16
105	Conformational flexibility influences structureâ€“function relationships in nucleic acid N-methyl demethylases. Organic and Biomolecular Chemistry, 2019, 17, 2223-2231.	1.5	16
106	Biocatalytic production of bicyclic Î²-lactams with three contiguous chiral centres using engineered crotonases. Communications Chemistry, 2019, 2, .	2.0	9
107	Biochemical and structural investigations clarify the substrate selectivity of the 2-oxoglutarate oxygenase JMJD6. Journal of Biological Chemistry, 2019, 294, 11637-11652.	1.6	25
108	Profiling interactions of vaborbactam with metallo-Î²-lactamases. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1981-1984.	1.0	34

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109	Will morphing boron-based inhibitors beat the Î²-lactamases?. Current Opinion in Chemical Biology, 2019, 50, 101-110.	2.8	69
110	Studies on spiro[4.5]decanone prolyl hydroxylase domain inhibitors. MedChemComm, 2019, 10, 500-504.	3.5	8
111	A Noninvasive Comparison Study between Human Gliomas with IDH1 and IDH2 Mutations by MR Spectroscopy. Metabolites, 2019, 9, 35.	1.3	22
112	Studies on the inhibition of AmpC and other Î²-lactamases by cyclic boronates. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 742-748.	1.1	28
113	Conformational Dynamics Underlies Different Functions of Human KDM7 Histone Demethylases. Chemistry - A European Journal, 2019, 25, 5422-5426.	1.7	20
114	Inhibition of a viral prolyl hydroxylase. Bioorganic and Medicinal Chemistry, 2019, 27, 2405-2412.	1.4	4
115	Structure-Based in Silico Screening Identifies a Potent Ebolavirus Inhibitor from a Traditional Chinese Medicine Library. Journal of Medicinal Chemistry, 2019, 62, 2928-2937.	2.9	34
116	Formaldehyde quantification using ampicillin is not selective. Scientific Reports, 2019, 9, 18289.	1.6	5
117	¹⁹F NMR studies on Î³-butyrobetaine hydroxylase provide mechanistic insights and suggest a dual inhibition mode. Chemical Communications, 2019, 55, 14717-14720.	2.2	4
118	Nonâ€Hydrolytic Î²â€Lactam Antibiotic Fragmentation by <scp>l,d</scp>â€Transpeptidases and Serine Î²â€Lactamase Cysteine Variants. Angewandte Chemie, 2019, 131, 2012-2016.	1.6	4
119	Nonâ€Hydrolytic Î²â€Lactam Antibiotic Fragmentation by <scp>l,d</scp>â€Transpeptidases and Serine Î²â€Lactamase Cysteine Variants. Angewandte Chemie - International Edition, 2019, 58, 1990-1994.	7.2	27
120	Crystal structures of VIMâ€1 complexes explain active site heterogeneity in VIMâ€class metalloâ€Î²â€lactamases. FEBS Journal, 2019, 286, 169-183.	2.2	30
121	Selective Inhibitors of a Human Prolyl Hydroxylase (OGFOD1) Involved in Ribosomal Decoding. Chemistry - A European Journal, 2019, 25, 2019-2024.	1.7	5
122	A Fluorescent Benzo[g]isoquinoline-Based HIF Prolyl Hydroxylase Inhibitor for Cellular Imaging. ChemMedChem, 2019, 14, 94-99.	1.6	2
123	Lack of activity of recombinant HIF prolyl hydroxylases (PHDs) on reported non-HIF substrates. ELife, 2019, 8, .	2.8	70
124	Structure activity relationship studies on rhodanines and derived enethiol inhibitors of metallo-Î²-lactamases. Bioorganic and Medicinal Chemistry, 2018, 26, 2928-2936.	1.4	17
125	2-Oxoglutarate-Dependent Oxygenases. Annual Review of Biochemistry, 2018, 87, 585-620.	5.0	276
126	Non-competitive cyclic peptides for targeting enzymeâ€“substrate complexes. Chemical Science, 2018, 9, 4569-4578.	3.7	24

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127	Inhibitors of both the N -methyl lysyl- and arginyl-demethylase activities of the JmjC oxygenases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170071.	1.8	18
128	A New Mechanism for Î²â€Lactamases: Class D Enzymes Degrade 1Î²â€Methyl Carbapenems through Lactone Formation. Angewandte Chemie, 2018, 130, 1296-1299.	1.6	4
129	Lysineâ€241 Has a Role in Coupling 2OG Turnover with Substrate Oxidation During KDM4â€Catalysed Histone Demethylation. ChemBioChem, 2018, 19, 917-921.	1.3	7
130	Deciphering Functions of Intracellular Formaldehyde: Linking Cancer and Aldehyde Metabolism. Biochemistry, 2018, 57, 904-906.	1.2	21
131	Rh(<scp>iii</scp>)-Catalyzed directed Câ€“H carbenoid coupling reveals aromatic bisphosphonates inhibiting metallo- and Serine-Î²-lactamases. Organic Chemistry Frontiers, 2018, 5, 1288-1292.	2.3	21
132	In Silico Fragment-Based Design Identifies Subfamily B1 Metallo-Î²-lactamase Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 1255-1260.	2.9	40
133	A comparison of 2â€hydroxyglutarate detection at 3 and 7ÂT with longâ€TE semiâ€LASER. NMR in Biomedicine, 2018, 31, e3886.	1.6	25
134	Investigations on small molecule inhibitors targeting the histone H3K4 tri-methyllysine binding PHD-finger of JmjC histone demethylases. Bioorganic and Medicinal Chemistry, 2018, 26, 2984-2991.	1.4	26
135	JMJD5 is a human arginyl C-3 hydroxylase. Nature Communications, 2018, 9, 1180.	5.8	37
136	2-Oxoglutarate regulates binding of hydroxylated hypoxia-inducible factor to prolyl hydroxylase domain 2. Chemical Communications, 2018, 54, 3130-3133.	2.2	29
137	YcfDRM is a thermophilic oxygen-dependent ribosomal protein uL16 oxygenase. Extremophiles, 2018, 22, 553-562.	0.9	6
138	A New Mechanism for Î²â€Lactamases: Class D Enzymes Degrade 1Î²â€Methyl Carbapenems through Lactone Formation. Angewandte Chemie - International Edition, 2018, 57, 1282-1285.	7.2	27
139	Cyclobutanone Mimics of Intermediates in Metalloâ€Î²â€Lactamase Catalysis. Chemistry - A European Journal, 2018, 24, 5734-5737.	1.7	25
140	Direct sulfonylation of anilines mediated by visible light. Chemical Science, 2018, 9, 629-633.	3.7	61
141	Born to sense: biophysical analyses of the oxygen sensing prolyl hydroxylase from the simplest animal Trichoplax adhaerens. Hypoxia (Auckland, N Z), 2018, Volume 6, 57-71.	1.9	12
142	Preclinical Evaluation of Discorhabdins in Antiangiogenic and Antitumor Models. Marine Drugs, 2018, 16, 241.	2.2	21
143	Nuclear entry and export of FIH are mediated by HIF1Î± and exportin1 respectively. Journal of Cell Science, 2018, 131, .	1.2	9
144	Adventures in Defining Roles of Oxygenases in the Regulation of Protein Biosynthesis. Chemical Record, 2018, 18, 1760-1781.	2.9	4

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145	Mechanistic and structural studies of <scp>KDM</scp>â€catalysed demethylation of histone 1 isotype 4 at lysine 26. FEBS Letters, 2018, 592, 3264-3273.	1.3	10
146	Roles of 2-oxoglutarate oxygenases and isopenicillin N synthase in Î²-lactam biosynthesis. Natural Product Reports, 2018, 35, 735-756.	5.2	33
147	NMR analyses onN-hydroxymethylated nucleobases â€“ implications for formaldehyde toxicity and nucleic acid demethylases. Organic and Biomolecular Chemistry, 2018, 16, 4021-4032.	1.5	38
148	In Vitro Enzyme Assays for JmjCâ€Domainâ€Containing Lysine Histone Demethylases (JmjCâ€KDMs). Current Protocols in Pharmacology, 2018, 80, 3.15.1-3.15.12.	4.0	2
149	Synthesis and Biological Evaluation of Tripartin, a Putative KDM4 Natural Product Inhibitor, and 1â€Dichloromethylindenâ€1â€ol Analogues. ChemMedChem, 2018, 13, 1949-1956.	1.6	13
150	Human histone demethylase KDM6B can catalyse sequential oxidations. Chemical Communications, 2018, 54, 7975-7978.	2.2	3
151	Studies on the Substrate Selectivity of the Hypoxiaâ€Inducible Factor Prolyl Hydroxylaseâ€…2 Catalytic Domain. ChemBioChem, 2018, 19, 2262-2267.	1.3	6
152	Antibiotics as food for bacteria. Nature Microbiology, 2018, 3, 752-753.	5.9	16
153	The Jumonji-C oxygenase JMJD7 catalyzes (3S)-lysyl hydroxylation of TRAFAC GTPases. Nature Chemical Biology, 2018, 14, 688-695.	3.9	31
154	Histone H2A monoubiquitylation and p38-MAPKs regulate immediate-early gene-like reactivation of latent retrovirus HTLV-1. JCI Insight, 2018, 3, .	2.3	33
155	Biosynthesis of histone messenger RNA employs a specific 3' end endonuclease. ELife, 2018, 7, .	2.8	14
156	Symmetry breaking by enzyme-catalyzed epoxide hydrolysis. IUCrJ, 2018, 5, 373-374.	1.0	0
157	Insights into the Mechanistic Basis of Plasmid-Mediated Colistin Resistance from Crystal Structures of the Catalytic Domain of MCR-1. Scientific Reports, 2017, 7, 39392.	1.6	107
158	Cyclic Boronates Inhibit All Classes of Î²-Lactamases. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	94
159	KDM3A coordinates actin dynamics with intraflagellar transport to regulate cilia stability. Journal of Cell Biology, 2017, 216, 999-1013.	2.3	33
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