

James Henderson Naismith

List of Publications by Year in descending order

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279
papers

18,715
citations

9234

74
h-index

17055

122
g-index

303
all docs

303
docs citations

303
times ranked

21005
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathogen-sugar interactions revealed by universal saturation transfer analysis. <i>Science</i> , 2022, 377, .	6.0	24
2	Correlation between the binding affinity and the conformational entropy of nanobody SARS-CoV-2 spike protein complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	11
3	Enzyme-mediated backbone N-methylation in ribosomally encoded peptides. <i>Methods in Enzymology</i> , 2021, 656, 429-458.	0.4	4
4	Engineering Thermostability in Artificial Metalloenzymes to Increase Catalytic Activity. <i>ACS Catalysis</i> , 2021, 11, 3620-3627.	5.5	16
5	Engineering of a Peptide N-Methyltransferase to Methylate Non-Proteinogenic Amino Acids. <i>Angewandte Chemie</i> , 2021, 133, 14440-14444.	1.6	0
6	Engineering of a Peptide N-Methyltransferase to Methylate Non-Proteinogenic Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14319-14323.	7.2	10
7	The molecular basis of regulation of bacterial capsule assembly by Wzc. <i>Nature Communications</i> , 2021, 12, 4349.	5.8	25
8	The use of nanobodies in a sensitive ELISA test for SARS-CoV-2 Spike 1 protein. <i>Royal Society Open Science</i> , 2021, 8, 211016.	1.1	19
9	A potent SARS-CoV-2 neutralising nanobody shows therapeutic efficacy in the Syrian golden hamster model of COVID-19. <i>Nature Communications</i> , 2021, 12, 5469.	5.8	102
10	Structure-function studies of the C3/C5 epimerases and C4 reductases of the <i>Campylobacter jejuni</i> capsular heptose modification pathways. <i>Journal of Biological Chemistry</i> , 2021, 296, 100352.	1.6	12
11	Megabodies expand the nanobody toolkit for protein structure determination by single-particle cryo-EM. <i>Nature Methods</i> , 2021, 18, 60-68.	9.0	79
12	Next generation Glucose-1-phosphate thymidyltransferase (RmlA) inhibitors: An extended SAR study to direct future design. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 50, 116477.	1.4	3
13	Parakeet: a digital twin software pipeline to assess the impact of experimental parameters on tomographic reconstructions for cryo-electron tomography. <i>Open Biology</i> , 2021, 11, 210160.	1.5	5
14	Structural Biology of Nanobodies against the Spike Protein of SARS-CoV-2. <i>Viruses</i> , 2021, 13, 2214.	1.5	16
15	Catalytic flexibility of rice glycosyltransferase OsUGT91C1 for the production of palatable steviol glycosides. <i>Nature Communications</i> , 2021, 12, 7030.	5.8	24
16	The Biosynthesis of the Benzoxazole in Nataxazole Proceeds via an Unstable Ester and has Synthetic Utility. <i>Angewandte Chemie</i> , 2020, 132, 6110-6117.	1.6	5
17	The Biosynthesis of the Benzoxazole in Nataxazole Proceeds via an Unstable Ester and has Synthetic Utility. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6054-6061.	7.2	24
18	Porins and small-molecule translocation across the outer membrane of Gram-negative bacteria. <i>Nature Reviews Microbiology</i> , 2020, 18, 164-176.	13.6	225

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19	Neutralizing nanobodies bind SARS-CoV-2 spike RBD and block interaction with ACE2. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 846-854.	3.6	434
20	<i>MedComm</i> announcement. <i>MedComm</i> , 2020, 1, 3-4.	3.1	0
21	Editorial overview: Catalysis and regulation. <i>Current Opinion in Structural Biology</i> , 2020, 65, iii-iv.	2.6	0
22	Uncovering a novel molecular mechanism for scavenging sialic acids in bacteria. <i>Journal of Biological Chemistry</i> , 2020, 295, 13724-13736.	1.6	26
23	Structural basis for the neutralization of SARS-CoV-2 by an antibody from a convalescent patient. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 950-958.	3.6	268
24	Berichtigung: Pac13 is a Small Dehydratase that Mediates the Formation of the 3â€²-Deoxy Nucleoside of Pacidamycins. <i>Angewandte Chemie</i> , 2020, 132, 12673-12673.	1.6	1
25	Substrate Plasticity of a Fungal Peptide N-Methyltransferase. <i>ACS Chemical Biology</i> , 2020, 15, 1901-1912.	1.6	14
26	Uncovering the chemistry of C-C bond formation in C-nucleoside biosynthesis: crystal structure of a C-glycoside synthase/PRPP complex. <i>Chemical Communications</i> , 2020, 56, 7617-7620.	2.2	15
27	Enzymatic methylation of the amide bond. <i>Current Opinion in Structural Biology</i> , 2020, 65, 79-88.	2.6	13
28	The complex of ferric-enterobactin with its transporter from <i>Pseudomonas aeruginosa</i> suggests a two-site model. <i>Nature Communications</i> , 2019, 10, 3673.	5.8	62
29	Hydrophobic recognition allows the glycosyltransferase UGT76G1 to catalyze its substrate in two orientations. <i>Nature Communications</i> , 2019, 10, 3214.	5.8	47
30	A marine viral halogenase that iodinated diverse substrates. <i>Nature Chemistry</i> , 2019, 11, 1091-1097.	6.6	65
31	Insights into the Mechanism of the Cyanobactin Heterocyclase Enzyme. <i>Biochemistry</i> , 2019, 58, 2125-2132.	1.2	14
32	Use of isotopically labeled substrates reveals kinetic differences between human and bacterial serine palmitoyltransferase. <i>Journal of Lipid Research</i> , 2019, 60, 953-962.	2.0	7
33	PMP-diketopiperazine adducts form at the active site of a PLP dependent enzyme involved in formycin biosynthesis. <i>Chemical Communications</i> , 2019, 55, 14502-14505.	2.2	7
34	Complexes formed by the siderophore-based monosulfactam antibiotic BAL30072 and their interaction with the outer membrane receptor PiuA of <i>P. aeruginosa</i> . <i>BioMetals</i> , 2019, 32, 155-170.	1.8	8
35	Desferrioxamine biosynthesis: diverse hydroxamate assembly by substrate-tolerant acyl transferase DesC. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170068.	1.8	29
36	Characterization of the Fast and Promiscuous Macrocyclase from Plant PCY1 Enables the Use of Simple Substrates. <i>ACS Chemical Biology</i> , 2018, 13, 801-811.	1.6	29

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37	TonB-Dependent Receptor Repertoire of <i>Pseudomonas aeruginosa</i> for Uptake of Siderophore-Drug Conjugates. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	95
38	Synthesis of the natural product descurainolide and cyclic peptides from lignin-derived aromatics. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 266-273.	1.5	6
39	Oxidation of the Cyanobactin Precursor Peptide Is Independent of the Leader Peptide and Operates in a Defined Order. <i>Biochemistry</i> , 2018, 57, 5996-6002.	1.2	14
40	Periplasmic depolymerase provides insight into ABC transporter-dependent secretion of bacterial capsular polysaccharides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4870-E4879.	3.3	23
41	Getting Drugs into Gram-Negative Bacteria: Rational Rules for Permeation through General Porins. <i>ACS Infectious Diseases</i> , 2018, 4, 1487-1498.	1.8	117
42	Catalytic and Anticatalytic Snapshots of a Short-Form ATP Phosphoribosyltransferase. <i>ACS Catalysis</i> , 2018, 8, 5601-5610.	5.5	10
43	A molecular mechanism for the enzymatic methylation of nitrogen atoms within peptide bonds. <i>Science Advances</i> , 2018, 4, eaat2720.	4.7	48
44	A Key Role for the Periplasmic PfeE Esterase in Iron Acquisition <i>via</i> the Siderophore Enterobactin in <i>Pseudomonas aeruginosa</i> . <i>ACS Chemical Biology</i> , 2018, 13, 2603-2614.	1.6	30
45	Preacinetobactin not acinetobactin is essential for iron uptake by the BauA transporter of the pathogen <i>Acinetobacter baumannii</i> . <i>ELife</i> , 2018, 7, .	2.8	41
46	Structure and Function of the PiuA and PirA Siderophore-Drug Receptors from <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	78
47	Synthesis of Hybrid Cyclopeptides through Enzymatic Macrocyclization. <i>ChemistryOpen</i> , 2017, 6, 11-14.	0.9	27
48	Investigation of Siderophore-Monobactam Antibiotic Derivatives: Their Iron(III)-Complexes and Binding to Receptors. <i>Biophysical Journal</i> , 2017, 112, 551a-552a.	0.2	1
49	YcaO-Dependent Posttranslational Amide Activation: Biosynthesis, Structure, and Function. <i>Chemical Reviews</i> , 2017, 117, 5389-5456.	23.0	166
50	Enhanced imaging of lipid rich nanoparticles embedded in methylcellulose films for transmission electron microscopy using mixtures of heavy metals. <i>Micron</i> , 2017, 99, 40-48.	1.1	28
51	Using the pimeloyl-CoA synthetase adenylation fold to synthesize fatty acid thioesters. <i>Nature Chemical Biology</i> , 2017, 13, 660-667.	3.9	21
52	Kinetic Landscape of a Peptide Bond-Forming Prolyl Oligopeptidase. <i>Biochemistry</i> , 2017, 56, 2086-2095.	1.2	18
53	Kinetics and Structure of a Cold-Adapted Hetero-Octameric ATP Phosphoribosyltransferase. <i>Biochemistry</i> , 2017, 56, 793-803.	1.2	14
54	Spectator no more, the role of the membrane in regulating ion channel function. <i>Current Opinion in Structural Biology</i> , 2017, 45, 59-66.	2.6	37

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55	Bypassing the proline/thiazoline requirement of the macrocyclase PatG. <i>Chemical Communications</i> , 2017, 53, 12274-12277.	2.2	26
56	Characterization of a dual function macrocyclase enables design and use of efficient macrocyclization substrates. <i>Nature Communications</i> , 2017, 8, 1045.	5.8	33
57	Pac13 is a Small, Monomeric Dehydratase that Mediates the Formation of the 3'-Deoxy Nucleoside of Pacidamycins. <i>Angewandte Chemie</i> , 2017, 129, 12666-12671.	1.6	5
58	Pac13 is a Small, Monomeric Dehydratase that Mediates the Formation of the 3'-Deoxy Nucleoside of Pacidamycins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12492-12497.	7.2	16
59	Sparse Labeling PELDOR Spectroscopy on Multimeric Mechanosensitive Membrane Channels. <i>Biophysical Journal</i> , 2017, 113, 1968-1978.	0.2	27
60	The rhizoferrin biosynthetic gene in the fungal pathogen <i>Rhizopus delemar</i> is a novel member of the NIS gene family. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 89, 136-146.	1.2	31
61	Adenosine Monophosphate Binding Stabilizes the KTN Domain of the <i>Shewanella denitrificans</i> Kef Potassium Efflux System. <i>Biochemistry</i> , 2017, 56, 4219-4234.	1.2	9
62	Rift Valley fever phlebovirus NSs protein core domain structure suggests molecular basis for nuclear filaments. <i>ELife</i> , 2017, 6, .	2.8	20
63	Enzymatic Macrocyclization of 1,2,3-Triazole Peptide Mimetics. <i>Angewandte Chemie</i> , 2016, 128, 5936-5939.	1.6	36
64	Enzymatic Macrocyclization of 1,2,3-Triazole Peptide Mimetics. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5842-5845.	7.2	48
65	Accurate quantification of modified cyclic peptides without the need for authentic standards. <i>Tetrahedron</i> , 2016, 72, 8603-8609.	1.0	3
66	Nanoparticle suspensions enclosed in methylcellulose: a new approach for quantifying nanoparticles in transmission electron microscopy. <i>Scientific Reports</i> , 2016, 6, 25275.	1.6	18
67	Accurate Extraction of Nanometer Distances in Multimers by Pulse EPR. <i>Chemistry - A European Journal</i> , 2016, 22, 4700-4703.	1.7	40
68	MOMP from <i>Campylobacter jejuni</i> Is a Trimer of 18-Stranded β -Barrel Monomers with a Ca ²⁺ Ion Bound at the Constriction Zone. <i>Journal of Molecular Biology</i> , 2016, 428, 4528-4543.	2.0	36
69	The Catalytic Mechanism of the Marine-Derived Macrocyclase PatG _{mac} . <i>Chemistry - A European Journal</i> , 2016, 22, 13089-13097.	1.7	16
70	Bacterial polysaccharide synthesis and export. <i>Current Opinion in Structural Biology</i> , 2016, 40, 81-88.	2.6	27
71	Mechanisms of cyanobactin biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2016, 35, 80-88.	2.8	30
72	Pironetin reacts covalently with cysteine-316 of β -tubulin to destabilize microtubule. <i>Nature Communications</i> , 2016, 7, 12103.	5.8	83

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73	Structure of the cyanobactin oxidase ThcOx from <i>Cyanothece</i> sp. PCC 7425, the first structure to be solved at Diamond Light Source beamline I23 by means of S-SAD. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 1174-1180.	1.1	26
74	A Substrate Mimic Allows High-Throughput Assay of the FabA Protein and Consequently the Identification of a Novel Inhibitor of <i>Pseudomonas aeruginosa</i> FabA. <i>Journal of Molecular Biology</i> , 2016, 428, 108-120.	2.0	8
75	A Unique Tryptophan ϵ -Prenyltransferase from the Kawaguchipeptin Biosynthetic Pathway. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3596-3599.	7.2	49
76	Taking a molecular motor for a spin: helicase mechanism studied by spin labeling and PELDOR. <i>Nucleic Acids Research</i> , 2016, 44, 954-968.	6.5	13
77	Molecular Basis of Filtering Carbapenems by Porins from β -Lactam-resistant Clinical Strains of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 2837-2847.	1.6	65
78	Exploration of a potential difluoromethyl-nucleoside substrate with the fluorinase enzyme. <i>Bioorganic Chemistry</i> , 2016, 64, 37-41.	2.0	20
79	Mechanism of DNA loading by the DNA repair helicase XPD. <i>Nucleic Acids Research</i> , 2016, 44, 2806-2815.	6.5	37
80	Gating MscS: structural basis of mechanosensation and the role of lipids in ion channel regulation. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s35-s35.	0.0	0
81	Derivatisable Cyanobactin Analogues: A Semisynthetic Approach. <i>ChemBioChem</i> , 2015, 16, 2646-2650.	1.3	19
82	The role of lipids in mechanosensation. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 991-998.	3.6	160
83	Structural analysis of leader peptide binding enables leader-free cyanobactin processing. <i>Nature Chemical Biology</i> , 2015, 11, 558-563.	3.9	155
84	Structural basis for the RING-catalyzed synthesis of K63-linked ubiquitin chains. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 597-602.	3.6	99
85	Unraveling the Specific Regulation of the Central Pathway for Anaerobic Degradation of 3-Methylbenzoate. <i>Journal of Biological Chemistry</i> , 2015, 290, 12165-12183.	1.6	13
86	A coiled-coil domain acts as a molecular ruler to regulate O-antigen chain length in lipopolysaccharide. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 50-56.	3.6	55
87	The structural biology of patellamide biosynthesis. <i>Current Opinion in Structural Biology</i> , 2014, 29, 112-121.	2.6	39
88	Editorial overview: Catalysis and regulation: Enzyme catalysis, biosynthetic pathways and regulation. <i>Current Opinion in Structural Biology</i> , 2014, 29, iv-v.	2.6	0
89	An Efficient Method for the In Vitro Production of Azol(in)e-Based Cyclic Peptides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14171-14174.	7.2	53
90	Trapped translocation intermediates establish the route for export of capsular polysaccharides across <i>Escherichia coli</i> outer membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8203-8208.	3.3	44

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91	The structure of the cyanobactin domain of unknown function from PatG in the patellamide gene cluster. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1597-1603.	0.4	15
92	Identification of Fluorinases from <i>Streptomyces</i> sp MA37, <i>Nocardia brasiliensis</i> , and <i>Actinoplanes</i> sp N902 by Genome Mining. <i>ChemBioChem</i> , 2014, 15, 364-368.	1.3	97
93	Probing the Structure of the Mechanosensitive Channel of Small Conductance in Lipid Bilayers with Pulsed Electron-Electron Double Resonance. <i>Biophysical Journal</i> , 2014, 106, 834-842.	0.2	48
94	A Localized Tolerance in the Substrate Specificity of the Fluorinase Enzyme enables Last Step Fluorination of a RGD Peptide under Ambient Aqueous Conditions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8913-8918.	7.2	48
95	Crystal structure of histidine-rich glycoprotein N2 domain reveals redox activity at an interdomain disulfide bridge: implications for angiogenic regulation. <i>Blood</i> , 2014, 123, 1948-1955.	0.6	32
96	Measuring Transmembrane Helix Separation on the MscS Mechanosensitive Channel using Pulsed Electron-Electron Double Resonance (PELDOR) Spectroscopy. <i>Biophysical Journal</i> , 2013, 104, 468a.	0.2	0
97	Quantification of free cysteines in membrane and soluble proteins using a fluorescent dye and thermal unfolding. <i>Nature Protocols</i> , 2013, 8, 2090-2097.	5.5	24
98	Wzi Is an Outer Membrane Lectin that Underpins Group 1 Capsule Assembly in <i>Escherichia coli</i> . <i>Structure</i> , 2013, 21, 844-853.	1.6	63
99	Allosteric Competitive Inhibitors of the Glucose-1-phosphate Thymidyltransferase (RmlA) from <i>Pseudomonas aeruginosa</i> . <i>ACS Chemical Biology</i> , 2013, 8, 387-396.	1.6	39
100	Structural Insights into the Mechanism and Inhibition of the $\hat{1}^2$ -Hydroxydecanoyl-Acyl Carrier Protein Dehydratase from <i>Pseudomonas aeruginosa</i> . <i>Journal of Molecular Biology</i> , 2013, 425, 365-377.	2.0	30
101	The AEROPATH project targeting <i>Pseudomonas aeruginosa</i> : crystallographic studies for assessment of potential targets in early-stage drug discovery. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 25-34.	0.7	30
102	An Enzymatic Route to Selenazolines. <i>ChemBioChem</i> , 2013, 14, 564-567.	1.3	26
103	The Chemical Basis of Serine Palmitoyltransferase Inhibition by Myriocin. <i>Journal of the American Chemical Society</i> , 2013, 135, 14276-14285.	6.6	98
104	Discovery of an Allosteric Inhibitor Binding Site in 3-Oxo-acyl-ACP Reductase from <i>Pseudomonas aeruginosa</i> . <i>ACS Chemical Biology</i> , 2013, 8, 2518-2527.	1.6	38
105	CRISPR interference: a structural perspective. <i>Biochemical Journal</i> , 2013, 453, 155-166.	1.7	113
106	Structure of a dimeric crenarchaeal Cas6 enzyme with an atypical active site for CRISPR RNA processing. <i>Biochemical Journal</i> , 2013, 452, 223-230.	1.7	32
107	PELDOR in rotationally symmetric homo-oligomers. <i>Molecular Physics</i> , 2013, 111, 2845-2854.	0.8	34
108	Structure of PatF from <i>Prochloron didemni</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 618-623.	0.7	27

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109	Structure of the archaeal Cascade subunit Csa5. <i>RNA Biology</i> , 2013, 10, 762-769.	1.5	24
110	The Cyanobactin Heterocyclase Enzyme: A Processive Adenylase That Operates with a Defined Order of Reaction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13991-13996.	7.2	93
111	The Respiratory Arsenite Oxidase: Structure and the Role of Residues Surrounding the Rieske Cluster. <i>PLoS ONE</i> , 2013, 8, e72535.	1.1	45
112	The mechanism of patellamide macrocyclization revealed by the characterization of the PatG macrocyclase domain. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 767-772.	3.6	136
113	Displacement of the canonical single-stranded DNA-binding protein in the Thermoproteales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E398-405.	3.3	34
114	Conformational state of the MscS mechanosensitive channel in solution revealed by pulsed electron-electron double resonance (PELDOR) spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2675-82.	3.3	92
115	Tryptophan oxygenation: mechanistic considerations. <i>Biochemical Society Transactions</i> , 2012, 40, 509-514.	1.6	8
116	Crystallization, dehydration and experimental phasing of WbdD, a bifunctional kinase and methyltransferase from <i>Escherichia coli</i> O9a. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1371-1379.	2.5	5
117	Structure of WbdD: a bifunctional kinase and methyltransferase that regulates the chain length of the O antigen in <i>Escherichia coli</i> O9a. <i>Molecular Microbiology</i> , 2012, 86, 730-742.	1.2	29
118	Structure of a RING E3 ligase and ubiquitin-loaded E2 primed for catalysis. <i>Nature</i> , 2012, 489, 115-120.	13.7	437
119	The Discovery of New Cyanobactins from <i>Cyanotheca</i> PCC 7425 Defines a New Signature for Processing of Patellamides. <i>ChemBioChem</i> , 2012, 13, 2683-2689.	1.3	49
120	Salt Bridges Regulate Both Dimer Formation and Monomeric Flexibility in HdeB and May Have a Role in Periplasmic Chaperone Function. <i>Journal of Molecular Biology</i> , 2012, 415, 538-546.	2.0	21
121	Bacterial Mechanosensitive Channels—MscS: Evolution's Solution to Creating Sensitivity in Function. <i>Annual Review of Biophysics</i> , 2012, 41, 157-177.	4.5	93
122	Structural, mechanistic and regulatory studies of serine palmitoyltransferase. <i>Biochemical Society Transactions</i> , 2012, 40, 547-554.	1.6	80
123	Structure and Mechanism of the CMR Complex for CRISPR-Mediated Antiviral Immunity. <i>Molecular Cell</i> , 2012, 45, 303-313.	4.5	279
124	MtsslWizard: In Silico Spin-Labeling and Generation of Distance Distributions in PyMOL. <i>Applied Magnetic Resonance</i> , 2012, 42, 377-391.	0.6	196
125	A model for 3-methyladenine recognition by 3-methyladenine DNA glycosylase I (TAG) from <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 610-615.	0.7	5
126	A Multidisciplinary Approach to Probing Enthalpy-Entropy Compensation and the Interfacial Mobility Model. <i>Journal of the American Chemical Society</i> , 2011, 133, 11515-11523.	6.6	10

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127	Structural Basis for Acyl Acceptor Specificity in the Achromobactin Biosynthetic Enzyme AcsD. <i>Journal of Molecular Biology</i> , 2011, 412, 495-504.	2.0	19
128	Probing the acceptor substrate binding site of <i>Trypanosoma cruzi</i> trans-sialidase with systematically modified substrates and glycoside libraries. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1653.	1.5	31
129	Structural and Functional Characterization of an Archaeal Clustered Regularly Interspaced Short Palindromic Repeat (CRISPR)-associated Complex for Antiviral Defense (CASCADE). <i>Journal of Biological Chemistry</i> , 2011, 286, 21643-21656.	1.6	183
130	Altered Antibiotic Transport in OmpC Mutants Isolated from a Series of Clinical Strains of Multi-Drug Resistant <i>E. coli</i> . <i>PLoS ONE</i> , 2011, 6, e25825.	1.1	98
131	The Protein Information Management System (PiMS): a generic tool for any structural biology research laboratory. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2011, 67, 249-260.	2.5	18
132	Changing the Regioselectivity of the Tryptophan 7- α -Halogenase PrnA by Site-Directed Mutagenesis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2951-2953.	7.2	76
133	A Dimeric Rep Protein Initiates Replication of a Linear Archaeal Virus Genome: Implications for the Rep Mechanism and Viral Replication. <i>Journal of Virology</i> , 2011, 85, 925-931.	1.5	36
134	Low Resolution Structure of a Bacterial SLC26 Transporter Reveals Dimeric Stoichiometry and Mobile Intracellular Domains. <i>Journal of Biological Chemistry</i> , 2011, 286, 27058-27067.	1.6	42
135	Mechanism of ubiquitylation by dimeric RING ligase RNF4. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1052-1059.	3.6	157
136	The Scottish Structural Proteomics Facility: targets, methods and outputs. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 167-180.	1.2	107
137	Halomethane Biosynthesis: Structure of a SAM-Dependent Halide Methyltransferase from <i>Arabidopsis thaliana</i> . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3646-3648.	7.2	50
138	NMR Spectroscopic and Theoretical Analysis of a Spontaneously Formed Lys-Asp Isopeptide Bond. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8421-8425.	7.2	88
139	The serine palmitoyltransferase from <i>Sphingomonas wittichii</i> RW1: An interesting link to an unusual acyl carrier protein. <i>Biopolymers</i> , 2010, 93, 811-822.	1.2	37
140	Crystallization and preliminary diffraction analysis of Wzi, a member of the capsule export and assembly pathway in <i>Escherichia coli</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1621-1625.	0.7	8
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