

# Tim D W Claridge

## List of Publications by Year in descending order

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252  
papers

11,593  
citations

26630

56  
h-index

42399

92  
g-index

281  
all docs

281  
docs citations

281  
times ranked

13551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyynes [3]Rotaxanes: Synthesis via Dicobalt Carbonyl Complexes and Enhanced Stability. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	23
2	Modular Pulse Program Generation for NMR Supersequences. <i>Analytical Chemistry</i> , 2022, 94, 2271-2278.	6.5	12
3	Metabolomic Biomarkers in Blood Samples Identify Cancers in a Mixed Population of Patients with Nonspecific Symptoms. <i>Clinical Cancer Research</i> , 2022, 28, 1651-1661.	7.0	28
4	Reading and erasing of the phosphonium analogue of trimethyllysine by epigenetic proteins. <i>Communications Chemistry</i> , 2022, 5, .	4.5	5
5	Asymmetric Azidation under Hydrogen Bonding Phase-Transfer Catalysis: A Combined Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2022, 144, 4572-4584.	13.7	13
6	In vivo antihyperglycaemic and antihyperlipidemic activities and chemical constituents of <i>Solanum anomalum</i> . <i>Biomedicine and Pharmacotherapy</i> , 2022, 151, 113153.	5.6	3
7	Pathogen-sugar interactions revealed by universal saturation transfer analysis. <i>Science</i> , 2022, 377, .	12.6	24
8	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
9	Parallel nuclear magnetic resonance spectroscopy. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	20
10	Integrative biochemical, proteomics and metabolomics cerebrospinal fluid biomarkers predict clinical conversion to multiple sclerosis. <i>Brain Communications</i> , 2021, 3, fcab084.	3.3	14
11	Mechanistic investigation of Rh(i)-catalysed asymmetric Suzuki-Miyaura coupling with racemic allyl halides. <i>Nature Catalysis</i> , 2021, 4, 284-292.	34.4	18
12	Isolation, separation, identification, and quantification of bioactive methylated flavone regioisomers by UHPLC-MS/MS. <i>Analytical Science Advances</i> , 2021, 2, 364-372.	2.8	1
13	Multiplexing experiments in NMR and multi-nuclear MRI. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2021, 124-125, 1-56.	7.5	22
14	X-ray free-electron laser studies reveal correlated motion during isopenicillin N synthase catalysis. <i>Science Advances</i> , 2021, 7, .	10.3	23
15	Increasing sensitivity and versatility in NMR supersequences with new HSQC-based modules. <i>Journal of Magnetic Resonance</i> , 2021, 329, 107027.	2.1	12
16	Molecular basis for DarT ADP-ribosylation of a DNA base. <i>Nature</i> , 2021, 596, 597-602.	27.8	41
17	Clerodane Diterpenoids from an Edible Plant <i>Justicia insularis</i> : Discovery, Cytotoxicity, and Apoptosis Induction in Human Ovarian Cancer Cells. <i>Molecules</i> , 2021, 26, 5933.	3.8	8
18	Characterisation of factors contributing to the performance of nonwoven fibrous matrices as substrates for adenovirus vectored vaccine stabilisation. <i>Scientific Reports</i> , 2021, 11, 20877.	3.3	2

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19	Objective biomarkers for clinical relapse in multiple sclerosis: a metabolomics approach. <i>Brain Communications</i> , 2021, 3, fcab240.	3.3	9
20	Parallel NMR Supersequences: Ten Spectra in a Single Measurement. <i>Jacs Au</i> , 2021, 1, 1892-1897.	7.9	17
21	Determination of CSF GFAP, CCN5, and vWF Levels Enhances the Diagnostic Accuracy of Clinically Defined MS From Non-MS Patients With CSF Oligoclonal Bands. <i>Frontiers in Immunology</i> , 2021, 12, 811351.	4.8	4
22	Isolation, Structural Identification, Synthesis, and Pharmacological Profiling of 1,2- <i>trans</i> -Dihydro-1,2-diol Metabolites of the Utrophin Modulator Ezutromid. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2547-2556.	6.4	10
23	Studies on the selectivity of proline hydroxylases reveal new substrates including bicycles. <i>Bioorganic Chemistry</i> , 2020, 94, 103386.	4.1	13
24	Post-inflammatory behavioural despair in male mice is associated with reduced cortical glutamate-glutamine ratios, and circulating lipid and energy metabolites. <i>Scientific Reports</i> , 2020, 10, 16857.	3.3	17
25	Reducing Agent-Mediated Nonenzymatic Conversion of 2-Oxoglutarate to Succinate: Implications for Oxygenase Assays. <i>ChemBioChem</i> , 2020, 21, 2898-2902.	2.6	6
26	A blood-based metabolomics test to distinguish relapsing-remitting and secondary progressive multiple sclerosis: addressing practical considerations for clinical application. <i>Scientific Reports</i> , 2020, 10, 12381.	3.3	8
27	Global Aromaticity in a Partially Fused 8-Porphyrin Nanoring. <i>Journal of the American Chemical Society</i> , 2020, 142, 19393-19401.	13.7	27
28	Impact of Multiple Hydrogen Bonds with Fluoride on Catalysis: Insight from NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 19731-19744.	13.7	35
29	Monitoring protein-metal binding by <sup>19</sup> F NMR – a case study with the New Delhi metallo-β-lactamase 1. <i>RSC Medicinal Chemistry</i> , 2020, 11, 387-391.	3.9	2
30	Global aromaticity at the nanoscale. <i>Nature Chemistry</i> , 2020, 12, 236-241.	13.6	121
31	NMR waterLOGSY as An Assay in Drug Development Programmes for Detecting Protein-Ligand Interactions – NMR waterLOGSY. <i>Bio-protocol</i> , 2020, 10, e3666.	0.4	3
32	New NOAH modules for structure elucidation at natural isotopic abundance. <i>Journal of Magnetic Resonance</i> , 2019, 307, 106568.	2.1	18
33	Global Aromaticity and Antiaromaticity in Porphyrin Nanoring Anions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15717-15720.	13.8	30
34	<sup>19</sup> F NMR Monitoring of Reversible Protein Post-Translational Modifications: Class D β-Lactamase Carbamylation and Inhibition. <i>Chemistry - A European Journal</i> , 2019, 25, 11837-11841.	3.3	14
35	How formaldehyde reacts with amino acids. <i>Communications Chemistry</i> , 2019, 2, .	4.5	102
36	Global Aromaticity and Antiaromaticity in Porphyrin Nanoring Anions. <i>Angewandte Chemie</i> , 2019, 131, 15864-15867.	2.0	10

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37	Biocatalytic production of bicyclic $\beta^2$ -lactams with three contiguous chiral centres using engineered crotonases. <i>Communications Chemistry</i> , 2019, 2, .	4.5	9
38	Triplet $\langle \text{NOAH} \rangle$ supersequences optimised for small molecule structure characterisation. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 946-952.	1.9	22
39	Classifying the antibody-negative NMO syndromes. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019, 6, e626.	6.0	17
40	Reliable, high-quality suppression of NMR signals arising from water and macromolecules: application to bio-fluid analysis. <i>Analyst</i> , 2019, 144, 7270-7277.	3.5	10
41	$^{19}\text{F}$ NMR studies on $\beta^3$ -butyrobetaine hydroxylase provide mechanistic insights and suggest a dual inhibition mode. <i>Chemical Communications</i> , 2019, 55, 14717-14720.	4.1	4
42	Electrochemical Oxidation of the Phospho- and Arsaethynolate Anions, $\text{PCO}^-$ and $\text{AsCO}^-$ . <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1644-1649.	2.0	2
43	Non-competitive cyclic peptides for targeting enzyme-substrate complexes. <i>Chemical Science</i> , 2018, 9, 4569-4578.	7.4	24
44	NMRReDATA, a standard to report the NMR assignment and parameters of organic compounds. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 703-715.	1.9	61
45	On the ozonolysis of unsaturated tosylhydrazones as a direct approach to diazocarbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2876-2884.	2.8	10
46	Measuring Spin Relaxation Rates Using Satellite Exchange NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7498-7502.	13.8	3
47	Measuring Spin Relaxation Rates Using Satellite Exchange NMR Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 7620-7624.	2.0	0
48	Template-Directed Synthesis of a Conjugated Zinc Porphyrin Nanoball. <i>Journal of the American Chemical Society</i> , 2018, 140, 5352-5355.	13.7	64
49	Synthesis of statistical PET/PEN random block copolymers and their crystallizability in the bulk and at the surface. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46515.	2.6	5
50	Synthesis of (aminoalkyl)cycleanine analogues: cytotoxicity, cellular uptake, and apoptosis induction in ovarian cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1652-1656.	2.2	10
51	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
52	Cyclobutanone Mimics of Intermediates in Metallo- $\beta^2$ -Lactamase Catalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 5734-5737.	3.3	25
53	NMR analyses on <i>N</i> -hydroxymethylated nucleobases - implications for formaldehyde toxicity and nucleic acid demethylases. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4021-4032.	2.8	38
54	Molecular structure from a single NMR supersequence. <i>Chemical Communications</i> , 2018, 54, 7139-7142.	4.1	33

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55	Human histone demethylase KDM6B can catalyse sequential oxidations. <i>Chemical Communications</i> , 2018, 54, 7975-7978.	4.1	3
56	Plasma Nuclear Magnetic Resonance Metabolomics Discriminates Between High and Low Endoscopic Activity and Predicts Progression in a Prospective Cohort of Patients With Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2018, 12, 1326-1337.	1.3	35
57	Studies on the Substrate Selectivity of the Hypoxia-Inducible Factor Prolyl Hydroxylase...2 Catalytic Domain. <i>ChemBioChem</i> , 2018, 19, 2262-2267.	2.6	6
58	A characterization of the antimalarial activity of the bark of <i>Cylicodiscus gabunensis</i> Harms. <i>Journal of Ethnopharmacology</i> , 2017, 198, 221-225.	4.1	22
59	<sup>19</sup> F-NMR Reveals the Role of Mobile Loops in Product and Inhibitor Binding by the São Paulo Metallo-β-Lactamase. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3862-3866.	13.8	20
60	<sup>19</sup> F-NMR Reveals the Role of Mobile Loops in Product and Inhibitor Binding by the São Paulo Metallo-β-Lactamase. <i>Angewandte Chemie</i> , 2017, 129, 3920-3924.	2.0	3
61	Monitoring the Disassembly of Virus-like Particles by <sup>19</sup> F-NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 5277-5280.	13.7	23
62	Mechanistic Studies on a Cu-Catalyzed Asymmetric Allylic Alkylation with Cyclic Racemic Starting Materials. <i>Journal of the American Chemical Society</i> , 2017, 139, 5614-5624.	13.7	48
63	Stereoselective Production of Dimethyl-Substituted Carbapenams via Engineered Carbapenem Biosynthesis Enzymes. <i>ACS Catalysis</i> , 2017, 7, 1279-1285.	11.2	5
64	Aromatic and antiaromatic ring currents in a molecular nanoring. <i>Nature</i> , 2017, 541, 200-203.	27.8	204
65	Single-Acetylene Linked Porphyrin Nanorings. <i>Journal of the American Chemical Society</i> , 2017, 139, 16502-16505.	13.7	75
66	Molecular and cellular mechanisms of HIF prolyl hydroxylase inhibitors in clinical trials. <i>Chemical Science</i> , 2017, 8, 7651-7668.	7.4	174
67	Isochondrodendrine and 2 <sup>+</sup> -norcocculine: additional alkaloids from <i>Triclisia subcordata</i> induce cytotoxicity and apoptosis in ovarian cancer cell lines. <i>RSC Advances</i> , 2017, 7, 44154-44161.	3.6	11
68	Terminally Truncated Isopenicillin N Synthase Generates a Dithioester Product: Evidence for a Thioaldehyde Intermediate during Catalysis and a New Mode of Reaction for Non-Heme Iron Oxidases. <i>Chemistry - A European Journal</i> , 2017, 23, 12815-12824.	3.3	14
69	NOAH: NMR Supersequences for Small Molecule Analysis and Structure Elucidation. <i>Angewandte Chemie</i> , 2017, 129, 11941-11945.	2.0	8
70	NMR analysis reveals significant differences in the plasma metabolic profiles of Niemann Pick C1 patients, heterozygous carriers, and healthy controls. <i>Scientific Reports</i> , 2017, 7, 6320.	3.3	17
71	Protein-ligand binding affinity determination by the waterLOGSY method: An optimised approach considering ligand rebinding. <i>Scientific Reports</i> , 2017, 7, 43727.	3.3	30
72	<sup>13</sup> C-Carbamylation as a mechanistic probe for the inhibition of class D β-lactamases by avibactam and halide ions. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6024-6032.	2.8	19

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73	mRNA cap analogues substituted in the tetraphosphate chain with CX2: identification of O-to-CCl <sub>2</sub> as the first bridging modification that confers resistance to decapping without impairing translation. <i>Nucleic Acids Research</i> , 2017, 45, 8661-8675.	14.5	23
74	NOAH: NMR Supersequences for Small Molecule Analysis and Structure Elucidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11779-11783.	13.8	76
75	Adenosine Monophosphate Binding Stabilizes the KTN Domain of the <i>Shewanella denitrificans</i> Kef Potassium Efflux System. <i>Biochemistry</i> , 2017, 56, 4219-4234.	2.5	9
76	Metabolomics reveals distinct, antibody-independent, molecular signatures of MS, AQP4-antibody and MOG-antibody disease. <i>Acta Neuropathologica Communications</i> , 2017, 5, 95.	5.2	35
77	Early Diagnosis of Brain Metastases Using a Biofluids-Metabolomics Approach in Mice. <i>Theranostics</i> , 2016, 6, 2161-2169.	10.0	13
78	Interaction of Avibactam with Class B Metallo- $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5655-5662.	3.2	82
79	Scalar Cross-Relaxation Detected in the NOESY Spectra of Oxazolidines and Thiazolidines. <i>Journal of Organic Chemistry</i> , 2016, 81, 4142-4148.	3.2	4
80	Cation- $\pi$ Interactions Contribute to Substrate Recognition in $\beta$ -Butyrobetaine Hydroxylase Catalysis. <i>Chemistry - A European Journal</i> , 2016, 22, 1270-1276.	3.3	24
81	Harnessing NMR relaxation interference effects to characterise supramolecular assemblies. <i>Chemical Communications</i> , 2016, 52, 7450-7453.	4.1	6
82	Cephalosporins inhibit human metallo- $\beta$ -lactamase fold DNA repair nucleases SNM1A and SNM1B/apollo. <i>Chemical Communications</i> , 2016, 52, 6727-6730.	4.1	28
83	Torsional and Electronic Factors Control the C-H $\cdots$ O Interaction. <i>Chemistry - A European Journal</i> , 2016, 22, 16513-16521.	3.3	18
84	Posttranslational mutagenesis: A chemical strategy for exploring protein side-chain diversity. <i>Science</i> , 2016, 354, .	12.6	247
85	Nanorings with copper( <i>ii</i> ) and zinc( <i>ii</i> ) centers: forcing copper porphyrins to bind axial ligands in heterometallated oligomers. <i>Chemical Science</i> , 2016, 7, 6961-6968.	7.4	33
86	Normal tissue radioprotection by amifostine via Warburg-type effects. <i>Scientific Reports</i> , 2016, 6, 30986.	3.3	27
87	Structural basis for oxygen degradation domain selectivity of the HIF prolyl hydroxylases. <i>Nature Communications</i> , 2016, 7, 12673.	12.8	109
88	Frontispiece: Cation- $\pi$ Interactions Contribute to Substrate Recognition in $\beta$ -Butyrobetaine Hydroxylase Catalysis. <i>Chemistry - A European Journal</i> , 2016, 22, .	3.3	0
89	Urinary excretion and metabolism of miglustat and valproate in patients with Niemann-Pick type C1 disease: One- and two-dimensional solution-state <sup>1</sup> H NMR studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 276-288.	2.8	4
90	Development and application of ligand-based NMR screening assays for $\beta$ -butyrobetaine hydroxylase. <i>MedChemComm</i> , 2016, 7, 873-880.	3.4	8

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91	Synthesis and characterization of a novel Nâ€“F reagent derived from the ethano-TrÃƒger's base: <sup>1</sup>J<sub>FN</sub> coupling constants as a signature for the Nâ€“F bond. Chemical Communications, 2016, 52, 1606-1609.	4.1	18
92	Potent and Selective Triazole-Based Inhibitors of the Hypoxia-Inducible Factor Prolyl-Hydroxylases with Activity in the Murine Brain. PLoS ONE, 2015, 10, e0132004.	2.5	57
93	Studies on the Glutathione-Dependent Formaldehyde-Activating Enzyme from Paracoccus denitrificans. PLoS ONE, 2015, 10, e0145085.	2.5	10
94	Anomalous Nuclear Overhauser Effects in Carbonâ€“Substituted Aziridines: Scalar Crossâ€“Relaxation of the First Kind. Angewandte Chemie - International Edition, 2015, 54, 3697-3701.	13.8	17
95	Caterpillar Track Complexes in Templateâ€“Directed Synthesis and Correlated Molecular Motion. Angewandte Chemie - International Edition, 2015, 54, 5355-5359.	13.8	101
96	Caterpillar Track Complexes in Templateâ€“Directed Synthesis and Correlated Molecular Motion. Angewandte Chemie, 2015, 127, 5445-5449.	2.0	38
97	The longitudinal cerebrospinal fluid metabolomic profile of amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2015, 16, 456-463.	1.7	49
98	Glycosyldiselenides as lectin ligands detectable by NMR in biofluids. Chemical Communications, 2015, 51, 12208-12211.	4.1	17
99	NMR-Based Metabolomics Separates the Distinct Stages of Disease in a Chronic Relapsing Model of Multiple Sclerosis. Journal of NeuroImmune Pharmacology, 2015, 10, 435-444.	4.1	14
100	The broad spectrum 2-oxoglutarate oxygenase inhibitor N-oxalylglycine is present in rhubarb and spinach leaves. Phytochemistry, 2015, 117, 456-461.	2.9	16
101	Cerebrospinal fluid metabolomics implicate bioenergetic adaptation as a neural mechanism regulating shifts in cognitive states of HIV-infected patients. Aids, 2015, 29, 559-569.	2.2	56
102	Synthesis of Fluorophosphate Nucleotide Analogues and Their Characterization as Tools for <sup>19</sup> F NMR Studies. Journal of Organic Chemistry, 2015, 80, 3982-3997.	3.2	35
103	Self-Assembly of Russian Doll Concentric Porphyrin Nanorings. Journal of the American Chemical Society, 2015, 137, 12713-12718.	13.7	111
104	Barrierless Photoisomerization of 11- <i>cis</i> Retinal Protonated Schiff Base in Solution. Journal of the American Chemical Society, 2015, 137, 12434-12437.	13.7	25
105	$\hat{\iota}^{\pm}$ - and $\hat{\iota}^{\pm 2}$ -Lithiationâ€“Electrophile Trapping of <i>N</i> -Thiopivaloyl and <i>N</i> - <i>tert</i> -Butoxythiocarbonyl $\hat{\iota}^{\pm}$ -Substituted Azetidines: Rationalization of the Regiodivergence Using NMR and Computation. Journal of Organic Chemistry, 2015, 80, 9838-9846.	3.2	21
106	Studying the active-site loop movement of the SÃƒo Paolo metallo- $\hat{\iota}^2$ -lactamase-1. Chemical Science, 2015, 6, 956-963.	7.4	36
107	A type 2 biomarker separates relapsing-remitting from secondary progressive multiple sclerosis. Neurology, 2014, 83, 1492-1499.	1.1	80
108	Comparison of the substrate selectivity and biochemical properties of human and bacterial $\hat{\iota}^3$ -butyrobetaine hydroxylase. Organic and Biomolecular Chemistry, 2014, 12, 6354-6358.	2.8	20

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109	Human oxygen sensing may have origins in prokaryotic elongation factor Tu prolyl-hydroxylation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13331-13336.	7.1	60
110	Investigating the contribution of the active site environment to the slow reaction of hypoxia-inducible factor prolyl hydroxylase domain 2 with oxygen. Biochemical Journal, 2014, 463, 363-372.	3.7	41
111	Monitoring Conformational Changes in the NDM-1 Metallo- $\beta$ -lactamase by <sup>19</sup> F-NMR Spectroscopy. Angewandte Chemie - International Edition, 2014, 53, 3129-3133.	13.8	58
112	Synthetic Control of Retinal Photochemistry and Photophysics in Solution. Journal of the American Chemical Society, 2014, 136, 2650-2658.	13.7	42
113	Fluoromethylated derivatives of carnitine biosynthesis intermediates – synthesis and applications. Chemical Communications, 2014, 50, 1175-1177.	4.1	24
114	Rhodanine hydrolysis leads to potent thioenolate mediated metallo- $\beta$ -lactamase inhibition. Nature Chemistry, 2014, 6, 1084-1090.	13.6	110
115	Oxygenase-Catalyzed Desymmetrization of <i>N,N</i> -Dialkylpiperidine-4-carboxylic Acids. Angewandte Chemie - International Edition, 2014, 53, 10925-10927.	13.8	13
116	Non-enzymatic chemistry enables 2-hydroxyglutarate-mediated activation of 2-oxoglutarate oxygenases. Nature Communications, 2014, 5, 3423.	12.8	69
117	Studies on Deacetoxycephalosporin C Synthase Support a Consensus Mechanism for 2-Oxoglutarate Dependent Oxygenases. Biochemistry, 2014, 53, 2483-2493.	2.5	43
118	Titelbild: Monitoring Conformational Changes in the NDM-1 Metallo- $\beta$ -lactamase by <sup>19</sup> F-NMR Spectroscopy (Angew. Chem. 12/2014). Angewandte Chemie, 2014, 126, 3095-3095.	2.0	1
119	A Discrete Three-Layer Stack Aggregate of a Linear Porphyrin Tetramer: Solution-Phase Structure Elucidation by NMR and X-ray Scattering. Journal of the American Chemical Society, 2013, 135, 12798-12807.	13.7	21
120	Chiral recognition in contact ion-pairs; observation, characterization and analysis. Chemical Science, 2013, 4, 3140.	7.4	18
121	Solution phase structures of enantiopure and racemic lithium N-benzyl-N-( $\pm$ -methylbenzyl)amide in THF: low temperature <sup>6</sup> Li and <sup>15</sup> N NMR spectroscopic studies. Tetrahedron: Asymmetry, 2013, 24, 947-952.	1.8	5
122	Stereoselective preparation of lipidated carboxymethyl-proline/pipecolic acid derivatives via coupling of engineered crotonases with an alkylmalonyl-CoA synthetase. Organic and Biomolecular Chemistry, 2013, 11, 8191.	2.8	10
123	Reporter Ligand NMR Screening Method for 2-Oxoglutarate Oxygenase Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 547-555.	6.4	59
124	Substrate Selectivity Analyses of Factor Inhibiting Hypoxia-Inducible Factor. Angewandte Chemie - International Edition, 2013, 52, 1700-1704.	13.8	30
125	Acceleration of the Eschenmoser coupling reaction by sonication: efficient synthesis of enamines. RSC Advances, 2013, 3, 181-188.	3.6	27
126	Binding of (5 <i>S</i> )-Penicilloic Acid to Penicillin Binding Protein 3. ACS Chemical Biology, 2013, 8, 2112-2116.	3.4	23

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127	Is JmjC Oxygenase Catalysis Limited to Demethylation?. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7709-7713.	13.8	32
128	Ammonium-Directed Olefinic Epoxidation: Kinetic and Mechanistic Insights. <i>Journal of Organic Chemistry</i> , 2012, 77, 7241-7261.	3.2	31
129	Conformational effects in sugar ions: spectroscopic investigations in the gas phase and in solution. <i>Chemical Science</i> , 2012, 3, 2307.	7.4	19
130	Crotonase Catalysis Enables Flexible Production of Functionalized Prolines and Carbapenams. <i>Journal of the American Chemical Society</i> , 2012, 134, 471-479.	13.7	32
131	<sup>13</sup> C-Butyrobetaine hydroxylase catalyses a Stevens type rearrangement. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4975-4978.	2.2	24
132	Synthesis of 3-Fluoropyrrolidines and 4-Fluoropyrrolidin-2-ones from Allylic Fluorides. <i>Chemistry - A European Journal</i> , 2012, 18, 13126-13132.	3.3	14
133	Conformational Analysis of Fluorinated Pyrrolidines Using <sup>19</sup> F- <sup>1</sup> H Scalar Couplings and Heteronuclear NOEs. <i>Chemistry - A European Journal</i> , 2012, 18, 13133-13141.	3.3	31
134	Oxygenase-catalyzed ribosome hydroxylation occurs in prokaryotes and humans. <i>Nature Chemical Biology</i> , 2012, 8, 960-962.	8.0	135
135	Dynamic Combinatorial Chemistry Employing Boronic Acids/Boronate Esters Leads to Potent Oxygenase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6672-6675.	13.8	82
136	Development and Application of a Fluoride-Detection-Based Fluorescence Assay for <sup>13</sup> C-Butyrobetaine Hydroxylase. <i>ChemBioChem</i> , 2012, 13, 1559-1563.	2.6	27
137	Fluorescent Charge-Assisted Halogen-Bonding Macrocyclic Halo-Imidazolium Receptors for Anion Recognition and Sensing in Aqueous Media. <i>Journal of the American Chemical Society</i> , 2012, 134, 11533-11541.	13.7	199
138	Dimeric self-association of an isophthalamide macrocycle in solution and the solid state. <i>CrystEngComm</i> , 2011, 13, 4586.	2.6	4
139	An approach to enzyme inhibition employing reversible boronate ester formation. <i>MedChemComm</i> , 2011, 2, 390.	3.4	38
140	Tuning the Cavity of Cyclodextrins: Altered Sugar Adaptors in Protein Pores. <i>Journal of the American Chemical Society</i> , 2011, 133, 1987-2001.	13.7	42
141	Factor-inhibiting hypoxia-inducible factor (FIH) catalyses the post-translational hydroxylation of histidyl residues within ankyrin repeat domains. <i>FEBS Journal</i> , 2011, 278, 1086-1097.	4.7	68
142	Stereoselective C-C bond formation catalysed by engineered carboxymethylproline synthases. <i>Nature Chemistry</i> , 2011, 3, 365-371.	13.6	29
143	The oncometabolite 2-hydroxyglutarate inhibits histone lysine demethylases. <i>EMBO Reports</i> , 2011, 12, 463-469.	4.5	851
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