Tim D W Claridge

List of Publications by Year
in descending order

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	The oncometabolite 2â€hydroxyglutarate inhibits histone lysine demethylases. EMBO Reports, 2011, 12, 463-469.	4.5	851
2	Structural basis for the recognition of hydroxyproline in HIF-1Î± by pVHL. Nature, 2002, 417, 975-978.	27.8	651
3	Vernier templating and synthesis of a 12-porphyrin nano-ring. Nature, 2011, 469, 72-75.	27.8	393
4	Posttranslational mutagenesis: A chemical strategy for exploring protein side-chain diversity. Science, 2016, 354, .	12.6	247
5	Unidirectional Photoinduced Shuttling in a Rotaxane with a Symmetric Stilbene Dumbbell. Angewandte Chemie - International Edition, 2002, 41, 1769-1772.	13.8	225
6	Aromatic and antiaromatic ring currents in a molecular nanoring. Nature, 2017, 541, 200-203.	27.8	204
7	Fluorescent Charge-Assisted Halogen-Bonding Macrocyclic Halo-Imidazolium Receptors for Anion Recognition and Sensing in Aqueous Media. Journal of the American Chemical Society, 2012, 134, 11533-11541.	13.7	199
8	Molecular and cellular mechanisms of HIF prolyl hydroxylase inhibitors in clinical trials. Chemical Science, 2017, 8, 7651-7668.	7.4	174
9	Inhibition of Human Leukocyte and Porcine Pancreatic Elastase by Homologues of Bovine Pancreatic Trypsin Inhibitor. Biochemistry, 1996, 35, 9090-9096.	2.5	171
10	Oxygenase-catalyzed ribosome hydroxylation occurs in prokaryotes and humans. Nature Chemical Biology, 2012, 8, 960-962.	8.0	135
11	From Disulfideâ€•to Thioetherâ€Linked Glycoproteins. Angewandte Chemie - International Edition, 2008, 47, 2244-2247.	13.8	131
12	Rotaxane-Encapsulation Enhances the Stability of an Azo Dye, in Solution and when Bonded to Cellulose. Angewandte Chemie - International Edition, 2001, 40, 1071-1074.	13.8	130
13	Global aromaticity at the nanoscale. Nature Chemistry, 2020, 12, 236-241.	13.6	121
14	10-Helical conformations in oxetane Î²-amino acid hexamers. Tetrahedron Letters, 2001, 42, 4251-4255.	1.4	115
15	Homo- and Hetero-[3]Rotaxanes with Two Ï€-Systems Clasped in a Single Macrocycle. Journal of the American Chemical Society, 2006, 128, 15374-15375.	13.7	114
16	Self-Assembly of Russian Doll Concentric Porphyrin Nanorings. Journal of the American Chemical Society, 2015, 137, 12713-12718.	13.7	111
17	Rhodanine hydrolysis leads to potent thioenolate mediated metallo-Î²-lactamase inhibition. Nature Chemistry, 2014, 6, 1084-1090.	13.6	110
18	Structural basis for oxygen degradation domain selectivity of the HIF prolyl hydroxylases. Nature Communications, 2016, 7, 12673.	12.8	109

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19	How formaldehyde reacts with amino acids. Communications Chemistry, 2019, 2, .	4.5	102
20	Azo-Dye Rotaxanes. Angewandte Chemie International Edition in English, 1997, 36, 1310-1313.	4.4	101
21	Caterpillar Track Complexes in Templateâ€Directed Synthesis and Correlated Molecular Motion. Angewandte Chemie - International Edition, 2015, 54, 5355-5359.	13.8	101
22	Hypoxia-inducible factor prolyl hydroxylase 2 has a high affinity for ferrous iron and 2-oxoglutarate. Molecular BioSystems, 2005, 1, 321.	2.9	98
23	Studies on the Biomimetic Synthesis of the Manzamine Alkaloids. Chemistry - A European Journal, 1999, 5, 3154-3161.	3.3	94
24	Enhanced13C resolution in semi-selective HMBC: a band-selective, constant-time HMBC for complex organic structure elucidation by NMR. Organic and Biomolecular Chemistry, 2003, 1, 3632-3634.	2.8	90
25	Sulfate anion templated synthesis of a triply interlocked capsule. Chemical Communications, 2009, , 7134.	4.1	88
26	Oxidative degradation of bilirubin produces vasoactive compounds. FEBS Journal, 2000, 267, 7094-7101.	0.2	82
27	Dynamic Combinatorial Chemistry Employing Boronic Acids/Boronate Esters Leads to Potent Oxygenase Inhibitors. Angewandte Chemie - International Edition, 2012, 51, 6672-6675.	13.8	82
28	Interaction of Avibactam with Class B Metallo-Î²-Lactamases. Antimicrobial Agents and Chemotherapy, 2016, 60, 5655-5662.	3.2	82
29	A type 2 biomarker separates relapsing-remitting from secondary progressive multiple sclerosis. Neurology, 2014, 83, 1492-1499.	1.1	80
30	Synthesis and chemistry of a new P-N chelating ligand; (R) and (S)-6-(2â€²-diphenylphosphino-1â€²-naphthyl)phenanthridine. Tetrahedron: Asymmetry, 1995, 6, 2597-2610.	1.8	79
31	Structural and Mechanistic Studies on Î³-Butyrobetaine Hydroxylase. Chemistry and Biology, 2010, 17, 1316-1324.	6.0	78
32	NOAH: NMR Supersequences for Small Molecule Analysis and Structure Elucidation. Angewandte Chemie - International Edition, 2017, 56, 11779-11783.	13.8	76
33	Synthesis of N-glycan oxazolines: donors for endohexosaminidase catalysed glycosylation. Carbohydrate Research, 2006, 341, 1574-1596.	2.3	75
34	Single-Acetylene Linked Porphyrin Nanorings. Journal of the American Chemical Society, 2017, 139, 16502-16505.	13.7	75
35	Investigations into the Manzamine Alkaloid Biosynthetic Hypothesis. Angewandte Chemie - International Edition, 1998, 37, 2661-2663.	13.8	74
36	An approach to insulated molecular wires: synthesis of water-soluble conjugated rotaxanes. Journal of the Chemical Society Perkin Transactions 1, 1998, , 2383-2398.	0.9	74

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37	An octameric carbopeptoid; secondary structure in octameric and tetrameric 5-aminomethyl-tetrahydrofuran-2-carboxylates. Tetrahedron Letters, 1999, 40, 2199-2202.	1.4	74
38	Synthesis and Crystal Structure of a Cumulenic Quinoidal Porphyrin Dimer with Strong Electronic Absorption in the Infrared. Angewandte Chemie - International Edition, 2000, 39, 1818-1821.	13.8	70
39	Non-enzymatic chemistry enables 2-hydroxyglutarate-mediated activation of 2-oxoglutarate oxygenases. Nature Communications, 2014, 5, 3423.	12.8	69
40	Intermediates in the Intermolecular, Asymmetric Heck Arylation of Dihydrofurans. Angewandte Chemie International Edition in English, 1997, 36, 984-987.	4.4	68
41	Mechanistic Insights into the Inhibition of Serine Proteases by Monocyclic Lactamsâ€,â€¡. Biochemistry, 1999, 38, 7989-7998.	2.5	68
42	Factorâ€inhibiting hypoxiaâ€inducible factor (FIH) catalyses the postâ€translational hydroxylation of histidinyl residues within ankyrin repeat domains. FEBS Journal, 2011, 278, 1086-1097.	4.7	68
43	Enzymatic Synthesis and Photoswitchable Enzymatic Cleavage of a Peptide-Linked Rotaxane. Angewandte Chemie - International Edition, 2006, 45, 1596-1599.	13.8	67
44	Secondary structure in oligomers of carbohydrate amino acids. Chemical Communications, 1998, , 2041-2042.	4.1	65
45	Endohexosaminidase M: Exploring and Exploiting Enzyme Substrate Specificity. ChemBioChem, 2006, 7, 1177-1180.	2.6	64
46	Self-assembly of Ligands Designed for the Building of a New Type of [2 Ã— 2] Metallic Grid. Anion Encapsulation and Diffusion NMR Spectroscopy. Inorganic Chemistry, 2008, 47, 413-428.	4.0	64
47	Template-Directed Synthesis of a Conjugated Zinc Porphyrin Nanoball. Journal of the American Chemical Society, 2018, 140, 5352-5355.	13.7	64
48	Asparagine and Aspartate Hydroxylation of the Cytoskeletal Ankyrin Family Is Catalyzed by Factor-inhibiting Hypoxia-inducible Factor. Journal of Biological Chemistry, 2011, 286, 7648-7660.	3.4	63
49	Highly (E)-Selective Wadsworthâ€“Emmons Reactions Promoted by Methylmagnesium Bromide. Organic Letters, 2008, 10, 5437-5440.	4.6	62
50	Amylose-wrapped luminescent conjugated polymers. Chemical Communications, 2008, , 2797.	4.1	62
51	NMReDATA, a standard to report the NMR assignment and parameters of organic compounds. Magnetic Resonance in Chemistry, 2018, 56, 703-715.	1.9	61
52	Allâ€orâ€Nothing Cooperative Selfâ€Assembly of an Annulene Sandwich. Angewandte Chemie - International Edition, 2011, 50, 5572-5575.	13.8	60
53	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
54	Reporter Ligand NMR Screening Method for 2-Oxoglutarate Oxygenase Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 547-555.	6.4	59

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55	From sequencamers to foldamers? Tetrameric furanose carbopeptoids from cis- and trans-5-aminomethyl-tetrahydrofuran-2-carboxylates. Tetrahedron Letters, 1999, 40, 2195-2198.	1.4	58
56	Monitoring Conformational Changes in the NDMâ€1 Metalloâ€²â€lactamase by ¹⁹Fâ€…NMR Spectroscopy. Angewandte Chemie - International Edition, 2014, 53, 3129-3133.	13.8	58
57	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
58	Synthesis of 1-methyl-2-diphenylphosphino-3-(1â€²-isoquinolyl)indole; an easily racemised ligand giving insights into catalytic asymmetric allylation. Tetrahedron, 1997, 53, 4035-4050.	1.9	56
59	Nitrogen Inversion as a Diastereomeric Relay in Azasugar Synthesis: The First Synthesis of Adenophorine. Angewandte Chemie - International Edition, 2003, 42, 3788-3792.	13.8	56
60	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
61	Structure and properties of TentaGel resin beads: Implications for combinatorial library chemistry. Molecular Diversity, 1996, 1, 223-232.	3.9	55
62	Ammonium-directed dihydroxylation of 3-aminocyclohex-1-enes: development of a metal-free dihydroxylation protocol. Organic and Biomolecular Chemistry, 2008, 6, 3751.	2.8	55
63	Helix-Forming Carbohydrate Amino Acids. Journal of Organic Chemistry, 2005, 70, 2082-2090.	3.2	54
64	Synthesis of a cyclodextrin azo dye [3]rotaxane as a single isomer. Chemical Communications, 1999, , 1537-1538.	4.1	52
65	Tetrahydrofuran amino acids: Secondary structure in tetrameric and octameric carbopeptoids derived from a D-allo 5-(aminomethyl)tetrahydrofuran-2-carboxylic acid. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3666-3679.	1.3	52
66	Monitoring the Activity of 2â€Oxoglutarate Dependent Histone Demethylases by NMR Spectroscopy: Direct Observation of Formaldehyde. ChemBioChem, 2010, 11, 506-510.	2.6	51
67	The 2â€Oxoglutarateâ€Dependent Oxygenase JMJD6 Catalyses Oxidation of Lysine Residues to give 5Sâ€Hydroxylysine Residues. ChemBioChem, 2011, 12, 531-534.	2.6	51
68	Swarm formation in the desert locust Schistocerca gregaria:isolation and NMR analysis of the primary maternal gregarizing agent. Journal of Experimental Biology, 2008, 211, 370-376.	1.7	50
69	The longitudinal cerebrospinal fluid metabolomic profile of amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2015, 16, 456-463.	1.7	49
70	Inhibition of mycobacterial arylamine N-acetyltransferase contributes to anti-mycobacterial activity of Warburgia salutaris. Bioorganic and Medicinal Chemistry, 2007, 15, 3579-3586.	3.0	48
71	Group epitope mapping considering relaxation of the ligand (GEM-CRL): Including longitudinal relaxation rates in the analysis of saturation transfer difference (STD) experiments. Journal of Magnetic Resonance, 2010, 203, 1-10.	2.1	48
72	Mechanistic Studies on a Cu-Catalyzed Asymmetric Allylic Alkylation with Cyclic Racemic Starting Materials. Journal of the American Chemical Society, 2017, 139, 5614-5624.	13.7	48

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73	Synthesis of oligomers of tetrahydrofuran amino acids: furanose carbopeptoids. Chemical Communications, 1998, , 2039-2040.	4.1	46
74	â€œPure by NMRâ€?. Organic Letters, 2008, 10, 5433-5436.	4.6	45
75	Studies on Deacetoxycephalosporin C Synthase Support a Consensus Mechanism for 2-Oxoglutarate Dependent Oxygenases. Biochemistry, 2014, 53, 2483-2493.	2.5	43
76	Evidence for oxidation at C-3 of the flavonoid C-ring during anthocyanin biosynthesis. Chemical Communications, 2001, , 1828-1829.	4.1	42
77	Tuning the Cavity of Cyclodextrins: Altered Sugar Adaptors in Protein Pores. Journal of the American Chemical Society, 2011, 133, 1987-2001.	13.7	42
78	Synthetic Control of Retinal Photochemistry and Photophysics in Solution. Journal of the American Chemical Society, 2014, 136, 2650-2658.	13.7	42
79	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
80	Molecular basis for DarT ADP-ribosylation of a DNA base. Nature, 2021, 596, 597-602.	27.8	41
81	Bend ribbon-forming tetrahydrofuran amino acidsThis is one of a number of contributions from the current members of the Dyson Perrins Laboratory to mark the end of almost 90 years of organic chemistry research in that building, as all its current academic staff move across South Parks Road to a new purpose-built laboratory.. Organic and Biomolecular Chemistry, 2003, 1, 3647.	2.8	39
82	Inhibition of Elastase by N-Sulfonylaryl Î²-Lactams:â€‰ Anatomy of a Stable Acylâ^'Enzyme Complex,. Biochemistry, 1998, 37, 17506-17513.	2.5	38
83	An approach to enzyme inhibition employing reversible boronate ester formation. MedChemComm, 2011, 2, 390.	3.4	38
84	Caterpillar Track Complexes in Templateâ€Directed Synthesis and Correlated Molecular Motion. Angewandte Chemie, 2015, 127, 5445-5449.	2.0	38
85	NMR analyses onN-hydroxymethylated nucleobases â€“ implications for formaldehyde toxicity and nucleic acid demethylases. Organic and Biomolecular Chemistry, 2018, 16, 4021-4032.	2.8	38
86	A solid phase approach to oligomers of carbohydrate amino-acids: Secondary structure in a trimeric furanose carbopeptoid. Tetrahedron Letters, 1998, 39, 9293-9296.	1.4	36
87	Absence of secondary structure in a carbopeptoid tetramer of a trans-5-aminomethyl-tetrahydrofuran-2-carboxylate. Tetrahedron Letters, 1999, 40, 2191-2194.	1.4	36
88	Tetrahydrofuran amino acidsâ€”versatile building blocks for unnatural biopolymers: lack of secondary structure in oligomeric carbopeptoids derived from a D-galacto-5-(aminomethyl) tetrahydrofuran-2-carboxylic acid. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3655-3665.	1.3	36
89	Studying the active-site loop movement of the SÃ£o Paolo metallo-Î²-lactamase-1. Chemical Science, 2015, 6, 956-963.	7.4	36
90	Structure and dynamics of intermediates in asymmetric hydrogenation by rhodium complexes of (2-methoxyphenyl)-P-phenyl-P-(2â€²-diphenylphosphino)ethylphosphine. Journal of the Chemical Society Chemical Communications, 1995, , 2469-2471.	2.0	35

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91	Synthesis of Fluorophosphate Nucleotide Analogues and Their Characterization as Tools for19F NMR Studies. Journal of Organic Chemistry, 2015, 80, 3982-3997.	3.2	35
92	Metabolomics reveals distinct, antibody-independent, molecular signatures of MS, AQP4-antibody and MOG-antibody disease. Acta Neuropathologica Communications, 2017, 5, 95.	5.2	35
93	Plasma Nuclear Magnetic Resonance Metabolomics Discriminates Between High and Low Endoscopic Activity and Predicts Progression in a Prospective Cohort of Patients With Ulcerative Colitis. Journal of Crohn's and Colitis, 2018, 12, 1326-1337.	1.3	35
94	Impact of Multiple Hydrogen Bonds with Fluoride on Catalysis: Insight from NMR Spectroscopy. Journal of the American Chemical Society, 2020, 142, 19731-19744.	13.7	35
95	A biomimetic approach to the manzamine alkaloids; model studies. Tetrahedron Letters, 1994, 35, 7829-7832.	1.4	35
96	An approach to the manzamine alkaloids modelled on a biogenetic theory. Tetrahedron, 1997, 53, 2271-2290.	1.9	34
97	cis- and trans-3-Azido-oxetane-2-carboxylate scaffolds: hexamers of oxetane cis-Î²-amino acids. Tetrahedron Letters, 2001, 42, 4247-4250.	1.4	34
98	Solidâ€Phase Synthesis of Oligo(phenyleneâ€‰ethynylene) Rotaxanes. Angewandte Chemie - International Edition, 2007, 46, 6845-6848.	13.8	34
99	Structure and reactivity of bicyclic methylene aziridines prepared by intramolecular aziridination of allenes. Organic and Biomolecular Chemistry, 2010, 8, 3060.	2.8	34
100	Nanorings with copper(<scp>ii</scp>) and zinc(<scp>ii</scp>) centers: forcing copper porphyrins to bind axial ligands in heterometallated oligomers. Chemical Science, 2016, 7, 6961-6968.	7.4	33
101	Molecular structure from a single NMR supersequence. Chemical Communications, 2018, 54, 7139-7142.	4.1	33
102	Studies on the reaction of glutathione and formaldehyde using NMR. Organic and Biomolecular Chemistry, 2010, 8, 4915.	2.8	32
103	Crotonase Catalysis Enables Flexible Production of Functionalized Prolines and Carbapenams. Journal of the American Chemical Society, 2012, 134, 471-479.	13.7	32
104	Is JmjC Oxygenase Catalysis Limited to Demethylation?. Angewandte Chemie - International Edition, 2013, 52, 7709-7713.	13.8	32
105	Studies toward the Total Synthesis of the Cytotoxic Sponge Alkaloid Pyrinodemin A. Organic Letters, 2001, 3, 1145-1148.	4.6	31
106	Stereospecific anti SE2â€² fluorination of allenylsilanes: synthesis of enantioenriched propargylic fluorides. Organic and Biomolecular Chemistry, 2008, 6, 1731.	2.8	31
107	Ammonium-Directed Olefinic Epoxidation: Kinetic and Mechanistic Insights. Journal of Organic Chemistry, 2012, 77, 7241-7261.	3.2	31
108	Conformational Analysis of Fluorinated Pyrrolidines Using ¹⁹Fâ€“¹H Scalar Couplings and Heteronuclear NOEs. Chemistry - A European Journal, 2012, 18, 13133-13141.	3.3	31

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109	A systematic study of the solid state and solution phase conformational preferences of Î²-peptides derived from transpentacin. Tetrahedron: Asymmetry, 2010, 21, 1797-1815.	1.8	30
110	Substrate Selectivity Analyses of Factor Inhibiting Hypoxiaâ€Inducible Factor. Angewandte Chemie - International Edition, 2013, 52, 1700-1704.	13.8	30
111	Protein-ligand binding affinity determination by the waterLOGSY method: An optimised approach considering ligand rebinding. Scientific Reports, 2017, 7, 43727.	3.3	30
112	Global Aromaticity and Antiaromaticity in Porphyrin Nanoring Anions. Angewandte Chemie - International Edition, 2019, 58, 15717-15720.	13.8	30
113	11B NMR studies of an aryl boronic acid bound to chymotrypsin and subtilisin. Bioorganic and Medicinal Chemistry Letters, 1991, 1, 9-12.	2.2	29
114	Metal-driven ligand assembly in the synthesis of cyclodextrin [2] and [3]rotaxanes. Organic and Biomolecular Chemistry, 2007, 5, 457.	2.8	29
115	Evidence that Thienamycin Biosynthesis Proceeds via Câ€5 Epimerization: ThnE Catalyzes the Formation of (2S,5S)â€transâ€Carboxymethylproline. ChemBioChem, 2009, 10, 246-250.	2.6	29
116	Stereoselective Câ€“C bond formation catalysed by engineered carboxymethylproline synthases. Nature Chemistry, 2011, 3, 365-371.	13.6	29
117	2-Oxoglutarate regulates binding of hydroxylated hypoxia-inducible factor to prolyl hydroxylase domain 2. Chemical Communications, 2018, 54, 3130-3133.	4.1	29
118	Structural investigations of a lead(iv) tetraacetateâ€“pyridine complex. Dalton Transactions, 2005, , 3195.	3.3	28
119	Using NMR Solvent Water Relaxation to Investigate Metalloenzymeâ^'Ligand Binding Interactions. Journal of Medicinal Chemistry, 2010, 53, 867-875.	6.4	28
120	Cephalosporins inhibit human metallo Î²-lactamase fold DNA repair nucleases SNM1A and SNM1B/apollo. Chemical Communications, 2016, 52, 6727-6730.	4.1	28
121	Metabolomic Biomarkers in Blood Samples Identify Cancers in a Mixed Population of Patients with Nonspecific Symptoms. Clinical Cancer Research, 2022, 28, 1651-1661.	7.0	28
122	Sequential Desymmetrizationâ€“Fluorination: Enantioselective Synthesis of Fluorinated Cyclitols. Chemistry - A European Journal, 2006, 12, 9176-9185.	3.3	27
123	Formation of a Chiral Center and Pyrimidal Inversion at the Singleâ€Molecule Level. Angewandte Chemie - International Edition, 2007, 46, 7412-7416.	13.8	27
124	Development and Application of a Fluorideâ€Detectionâ€Based Fluorescence Assay for Î³â€Butyrobetaine Hydroxylase. ChemBioChem, 2012, 13, 1559-1563.	2.6	27
125	Acceleration of the Eschenmoser coupling reaction by sonication: efficient synthesis of enaminones. RSC Advances, 2013, 3, 181-188.	3.6	27
126	Normal tissue radioprotection by amifostine via Warburg-type effects. Scientific Reports, 2016, 6, 30986.	3.3	27

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127	Global Aromaticity in a Partially Fused 8-Porphyrin Nanoring. Journal of the American Chemical Society, 2020, 142, 19393-19401.	13.7	27
128	Barrierless Photoisomerization of 11-cis Retinal Protonated Schiff Base in Solution. Journal of the American Chemical Society, 2015, 137, 12434-12437.	13.7	25
129	Cyclobutanone Mimics of Intermediates in Metalloâ€Î²â€Lactamase Catalysis. Chemistry - A European Journal, 2018, 24, 5734-5737.	3.3	25
130	Azofarbstoffâ€Rotaxane. Angewandte Chemie, 1997, 109, 1367-1370.	2.0	24
131	Î³-Butyrobetaine hydroxylase catalyses a Stevens type rearrangement. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4975-4978.	2.2	24
132	Fluoromethylated derivatives of carnitine biosynthesis intermediates â€“ synthesis and applications. Chemical Communications, 2014, 50, 1175-1177.	4.1	24
133	Cationâ€“Î€ Interactions Contribute to Substrate Recognition in Î³â€Butyrobetaine Hydroxylase Catalysis. Chemistry - A European Journal, 2016, 22, 1270-1276.	3.3	24
134	Non-competitive cyclic peptides for targeting enzymeâ€“substrate complexes. Chemical Science, 2018, 9, 4569-4578.	7.4	24
135	Pathogen-sugar interactions revealed by universal saturation transfer analysis. Science, 2022, 377, .	12.6	24
136	Studies on phytanoyl-CoA 2-hydroxylase and synthesis of phytanoyl-Coenzyme A. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 2545-2548.	2.2	23
137	Biomimetic Synthesis of the Crispatene Core. Organic Letters, 2003, 5, 661-663.	4.6	23
138	Carboxymethylproline synthase catalysed syntheses of functionalised N-heterocycles. Chemical Communications, 2010, 46, 1413.	4.1	23
139	Binding of (5S)-Penicilloic Acid to Penicillin Binding Protein 3. ACS Chemical Biology, 2013, 8, 2112-2116.	3.4	23
140	Monitoring the Disassembly of Virus-like Particles by ¹⁹F-NMR. Journal of the American Chemical Society, 2017, 139, 5277-5280.	13.7	23
141	mRNA cap analogues substituted in the tetraphosphate chain with CX2: identification of O-to-CCl2 as the first bridging modification that confers resistance to decapping without impairing translation. Nucleic Acids Research, 2017, 45, 8661-8675.	14.5	23
142	X-ray free-electron laser studies reveal correlated motion during isopenicillin N synthase catalysis. Science Advances, 2021, 7, .	10.3	23
143	Polyyne [3]Rotaxanes: Synthesis via Dicobalt Carbonyl Complexes and Enhanced Stability. Angewandte Chemie - International Edition, 2022, 61, .	13.8	23
144	A biomimetic approach to the manzamine alkaloids. Tetrahedron Letters, 1996, 37, 6919-6922.	1.4	22

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145	Thioester Hydrolysis and Cï£¿C Bond Formation by Carboxymethylproline Synthase from the Crotonase Superfamily. Angewandte Chemie - International Edition, 2008, 47, 9322-9325.	13.8	22
146	A Two-Directional Approach to Enantiopure 1,4-Difluoro-cyclohexenes: Synthesis of Difluorinated Cyclitol Analogues. Organic Letters, 2008, 10, 4263-4266.	4.6	22
147	A systematic study of the solid state and solution phase conformational preferences of Î²-peptides derived from C(3)-alkyl substituted transpentacin derivatives. Tetrahedron: Asymmetry, 2011, 22, 69-100.	1.8	22
148	A characterization of the antimalarial activity of the bark of Cylicodiscus gabunensis Harms. Journal of Ethnopharmacology, 2017, 198, 221-225.	4.1	22
149	Triplet <scp>NOAH</scp> supersequences optimised for small molecule structure characterisation. Magnetic Resonance in Chemistry, 2019, 57, 946-952.	1.9	22
150	Multiplexing experiments in NMR and multi-nuclear MRI. Progress in Nuclear Magnetic Resonance Spectroscopy, 2021, 124-125, 1-56.	7.5	22
151	Revised structures for TÃ¼ 1718B and valclavam. Tetrahedron Letters, 1993, 34, 5645-5648.	1.4	21
152	Observation of intermolecular ligand exchange in lead(IV) carboxylates by 1- and 2-D 207Pb NMR spectroscopy. Journal of the Chemical Society Perkin Transactions II, 1995, , 639.	0.9	21
153	Investigation into the absolute stereochemistry of the marine sponge alkaloid pyrinodemin A. Tetrahedron Letters, 2003, 44, 7757-7761.	1.4	21
154	Homochiral carbon branched piperidines from carbon branched sugar lactones: 4-C-methyl-deoxyfuconojirimycin (DFJ) and its enantiomerâ€"removal of glycosidase inhibition. Tetrahedron: Asymmetry, 2007, 18, 500-512.	1.8	21
155	Secondary structural investigations into homo-oligomers of Î´-2,4-cis oxetane amino acids. Tetrahedron: Asymmetry, 2008, 19, 984-988.	1.8	21
156	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
157	Î±- and Î±â€²-Lithiationâ€"Electrophile Trapping of N-Thiopivaloyl and N-tert-Butoxythiocarbonyl Î±-Substituted Azetidines: Rationalization of the Regiodivergence Using NMR and Computation. Journal of Organic Chemistry, 2015, 80, 9838-9846.	3.2	21
158	Comparison of the substrate selectivity and biochemical properties of human and bacterial Î³-butyrobetaine hydroxylase. Organic and Biomolecular Chemistry, 2014, 12, 6354-6358.	2.8	20
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