

R M Denton

List of Publications by Year in descending order

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36
papers

1,908
citations

257450

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345221

36
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37
all docs

37
docs citations

37
times ranked

1596
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Phosphorus(V)-Mediated Nucleophilic Substitution Reactions: Development of a Catalytic Appel Reaction. <i>Journal of Organic Chemistry</i> , 2011, 76, 6749-6767.	3.2	169
2	Redox-neutral organocatalytic Mitsunobu reactions. <i>Science</i> , 2019, 365, 910-914.	12.6	144
3	Adamantaplatensimycin: A Bioactive Analogue of Platensimycin. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4712-4714.	13.8	127
4	Design, Synthesis, and Biological Evaluation of Platensimycin Analogues with Varying Degrees of Molecular Complexity. <i>Journal of the American Chemical Society</i> , 2008, 130, 13110-13119.	13.7	127
5	Phosphine oxide-catalysed chlorination reactions of alcohols under Appel conditions. <i>Chemical Communications</i> , 2010, 46, 3025.	4.1	125
6	The development of catalytic nucleophilic substitution reactions: challenges, progress and future directions. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2993.	2.8	103
7	Retinoic acid receptor signaling regulates choroid fissure closure through independent mechanisms in the ventral optic cup and periocular mesenchyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8698-8703.	7.1	99
8	The catalytic Mitsunobu reaction: a critical analysis of the current state-of-the-art. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7774-7781.	2.8	88
9	Catalysis of Phosphorus(V)-Mediated Transformations: Dichlorination Reactions of Epoxides Under Appel Conditions. <i>Organic Letters</i> , 2010, 12, 4678-4681.	4.6	87
10	Chemical Synthesis of the GHIJKLMNO Ring System of Maitotoxin. <i>Journal of the American Chemical Society</i> , 2008, 130, 7466-7476.	13.7	73
11	Chemical Synthesis of the GHIJK Ring System and Further Experimental Support for the Originally Assigned Structure of Maitotoxin. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8875-8879.	13.8	71
12	A practical and catalyst-free trifluoroethylation reaction of amines using trifluoroacetic acid. <i>Nature Communications</i> , 2017, 8, 15913.	12.8	60
13	The Synthesis of Azadirachtin: A Potent Insect Antifeedant. <i>Chemistry - A European Journal</i> , 2008, 14, 10683-10704.	3.3	57
14	Catalytic reductive N-alkylation of amines using carboxylic acids. <i>Chemical Communications</i> , 2016, 52, 1855-1858.	4.1	54
15	Phosphonium salt-catalysed synthesis of nitriles from in situ activated oximes. <i>Tetrahedron</i> , 2012, 68, 2899-2905.	1.9	53
16	Stereocontrolled Synthesis of Model Core Systems of Lomaiviticins A and B. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2076-2081.	13.8	43
17	Cascade Reactions Involving Formal [2+2] Thermal Cycloadditions: Total Synthesis of Artochamins F, H, I, and J. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7501-7505.	13.8	40
18	Phosphorus(V)-catalyzed deoxydichlorination reactions of Aldehydes. <i>Tetrahedron</i> , 2013, 69, 8769-8776.	1.9	37

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19	Synthesis of quaternary aryl phosphonium salts: photoredox-mediated phosphine arylation. <i>Chemical Communications</i> , 2016, 52, 4987-4990.	4.1	36
20	Synthesis of dibenzofuran-1,4-diones using the Dötz benzannulation. <i>Tetrahedron</i> , 2004, 60, 2327-2335.	1.9	30
21	Asymmetric Synthesis of 6 ^β -Hydroxyarenol: The Proposed Biosynthetic Precursor to Popolohuanone E. <i>Journal of Organic Chemistry</i> , 2008, 73, 8033-8038.	3.2	30
22	A procedure for Appel halogenations and dehydrations using a polystyrene supported phosphine oxide. <i>Tetrahedron Letters</i> , 2014, 55, 799-802.	1.4	27
23	Development of a redox-free Mitsunobu reaction exploiting phosphine oxides as precursors to dioxyphosphoranes. <i>Chemical Communications</i> , 2014, 50, 7340-7343.	4.1	26
24	A practical catalytic reductive amination of carboxylic acids. <i>Chemical Science</i> , 2020, 11, 9494-9500.	7.4	25
25	A more critical role for silicon in the catalytic Staudinger amidation: silanes as non-innocent reductants. <i>Chemical Communications</i> , 2017, 53, 7982-7985.	4.1	24
26	A Biomimetic Strategy for the Synthesis of the Tricyclic Dibenzofuran-1,4-dione Core of Popolohuanone E. <i>Organic Letters</i> , 2005, 7, 123-125.	4.6	23
27	A concise synthesis of honokiol. <i>Tetrahedron</i> , 2010, 66, 8029-8035.	1.9	23
28	Total synthesis of artochamins F, H, I, and J through cascade reactions. <i>Tetrahedron</i> , 2008, 64, 4736-4757.	1.9	22
29	Lesser-Known Enabling Technologies for Organic Synthesis. <i>Synthesis</i> , 2011, 2011, 1157-1192.	2.3	22
30	A Concise Synthesis of Dunnianol. <i>Synlett</i> , 2010, 2010, 633-635.	1.8	14
31	A concise synthesis of 4 ^β -O-methyl honokiol. <i>Tetrahedron Letters</i> , 2011, 52, 2554-2556.	1.4	14
32	Synthesis of malhamensilipin A exploiting iterative epoxidation/chlorination: experimental and computational analysis of epoxide-derived chloronium ions. <i>Chemical Science</i> , 2016, 7, 7040-7049.	7.4	13
33	A strategy for the synthesis of the fargenone/fargenin family of natural products: synthesis of the tricyclic core. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5629.	2.8	8
34	Synthesis of ¹⁸ O-labelled alcohols from unlabelled alcohols. <i>Chemical Communications</i> , 2020, 56, 6480-6483.	4.1	6
35	In Situ Silane Activation Enables Catalytic Reduction of Carboxylic Acids. <i>Chemical Communications</i> , 2022, , .	4.1	6
36	Heteroatom methods. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2013, 109, 167.	0.9	2