

D Christopher Braddock

List of Publications by Year in descending order

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69
papers

2,441
citations

159585

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83
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docs citations

83
times ranked

2435
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the permeance of hybrid polymer/metal-organic framework (MOF) membranes for organic solvent nanofiltration (OSN) – development of MOF thin films via interfacial synthesis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9668-9674.	10.3	142
2	Fabrication of hybrid polymer/metal organic framework membranes: mixed matrix membranes versus in situ growth. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9260-9271.	10.3	141
3	Hybrid polymer/MOF membranes for Organic Solvent Nanofiltration (OSN): Chemical modification and the quest for perfection. <i>Journal of Membrane Science</i> , 2016, 503, 166-176.	8.2	135
4	Rapid Entry into Mono-, Bi-, and Tricyclic β -Lactam Arrays via Alkene Metathesis. <i>Journal of Organic Chemistry</i> , 1998, 63, 7893-7907.	3.2	79
5	Allene Cross-Metathesis: Synthesis of 1,3-Disubstituted Allenes. <i>Organic Letters</i> , 2000, 2, 551-553.	4.6	74
6	Ortho-substituted iodobenzenes as novel organocatalysts for bromination of alkenes. <i>Chemical Communications</i> , 2006, , 2483.	4.1	74
7	Tandem Ireland Claisen Rearrangement Ring-Closing Alkene Metathesis in the Construction of Bicyclic β -Lactam Carboxylic Esters. <i>Journal of Organic Chemistry</i> , 2000, 65, 3716-3721.	3.2	68
8	(Diacetoxyiodo)benzene-Lithium Bromide as a Convenient Electrophilic Br ⁺ Source. <i>Synlett</i> , 2004, 2004, 461-464.	1.8	68
9	Tetramethyl Orthosilicate (TMOS) as a Reagent for Direct Amidation of Carboxylic Acids. <i>Organic Letters</i> , 2018, 20, 950-953.	4.6	65
10	Bidirectional Asymmetric Allylboration. A Convenient Asymmetric Synthesis of C ₂ -Symmetric 3-Methylenepentane-1,5-diols and Rapid Access to C ₂ -Symmetric Spiroketal. <i>Journal of Organic Chemistry</i> , 2000, 65, 375-380.	3.2	64
11	Structural Reassignment of Obtusallenes V, VI, and VII by GIAO-Based Density Functional Prediction. <i>Journal of Natural Products</i> , 2008, 71, 728-730.	3.0	64
12	Tris(trifluoromethanesulfonyl)methide (OTf ⁻) Anion: Convenient Preparation, X-ray Crystal Structures, and Exceptional Catalytic Activity as a Counterion with Ytterbium(III) and Scandium(III). <i>Journal of Organic Chemistry</i> , 1999, 64, 2910-2913.	3.2	63
13	5,10,15,20-Tetraphenylporphyrinorhodium(III) Iodide Catalyzed Cyclopropanation Reactions of Alkenes Using Glycine Ester Hydrochloride. <i>Journal of Organic Chemistry</i> , 2001, 66, 8260-8263.	3.2	63
14	Bromonium Ion Induced Transannular Oxonium Ion Formation – Fragmentation in Model Obtusallene Systems and Structural Reassignment of Obtusallenes V – VII. <i>Journal of Organic Chemistry</i> , 2009, 74, 1835-1841.	3.2	63
15	Dimethylformamide, dimethylacetamide and tetramethylguanidine as nucleophilic organocatalysts for the transfer of electrophilic bromine from N-bromosuccinimide to alkenes. <i>Tetrahedron Letters</i> , 2007, 48, 915-918.	1.4	62
16	Improved Synthesis of (±)-4,12-Dihydroxy[2.2]paracyclophane and Its Enantiomeric Resolution by Enzymatic Methods: A Planar Chiral (R)- and (S)-Phanol. <i>Journal of Organic Chemistry</i> , 2002, 67, 8679-8681.	3.2	61
17	Bromoiodinanes with an I(III)–Br bond: preparation, X-ray crystallography and reactivity as electrophilic brominating agents. <i>Chemical Communications</i> , 2006, , 1442.	4.1	54
18	Anionic Ligand Exchange in Hoveyda Grubbs Ruthenium(II) Benzylidenes. <i>Organometallics</i> , 2006, 25, 5696-5698.	2.3	52

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19	Amidines as potent nucleophilic organocatalysts for the transfer of electrophilic bromine from N-bromosuccinimide to alkenes. <i>Tetrahedron Letters</i> , 2007, 48, 5948-5952.	1.4	52
20	Asymmetric Allylboration and Ring Closing Alkene Metathesis: A Novel Strategy for the Synthesis of Glycosphingolipids. <i>Journal of Organic Chemistry</i> , 2000, 65, 6508-6514.	3.2	51
21	Nucleophilic Substitution Reactions of (Alkoxymethylene)dimethylammonium Chloride. <i>Journal of Organic Chemistry</i> , 1998, 63, 6273-6280.	3.2	45
22	A Hypothesis Concerning the Biosynthesis of the Obtusallene Family of Marine Natural Products via Electrophilic Bromination. <i>Organic Letters</i> , 2006, 8, 6055-6058.	4.6	42
23	Catalytic asymmetric bromolactonization reactions using (DHQD)2PHAL-benzoic acid combinations. <i>Tetrahedron Letters</i> , 2013, 54, 7004-7008.	1.4	42
24	Strategies for sustainable palladium catalysis. <i>Coordination Chemistry Reviews</i> , 2021, 442, 213925.	18.8	39
25	A tripartite asymmetric allylboration ? Silicon tethered alkene ring closing metathesis ? in situ ring opening protocol for the regiospecific generation of functionalized (E)-disubstituted homoallylic alcohols. <i>Tetrahedron</i> , 1999, 55, 3219-3232.	1.9	38
26	A Biosynthetically-Inspired Synthesis of the Tetrahydrofuran Core of Obtusallenes II and IV. <i>Organic Letters</i> , 2007, 9, 445-448.	4.6	34
27	Mechanistic Studies on the Copper-Catalyzed N-Arylation of Alkylamines Promoted by Organic Soluble Ionic Bases. <i>ACS Catalysis</i> , 2016, 6, 3965-3974.	11.2	34
28	Mechanistic and Performance Studies on the Ligand-Promoted Ullmann Amination Reaction. <i>ACS Catalysis</i> , 2018, 8, 101-109.	11.2	34
29	Intramolecular Bromonium Ion Assisted Epoxide Ring-Opening: Capture of the Oxonium Ion with an Added External Nucleophile. <i>Journal of Organic Chemistry</i> , 2011, 76, 97-104.	3.2	31
30	Planar Chiral PHANOLs as Organocatalysts for the Diels-Alder Reaction via Double Hydrogen-Bonding to a Carbonyl Group. <i>Synlett</i> , 2003, 2003, 1121-1124.	1.8	30
31	The generation and trapping of enantiopure bromonium ions. <i>Chemical Communications</i> , 2009, , 1082.	4.1	30
32	Models for the Carbonyl-ene Cyclization Reaction: Open and Closed Transition States. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1720-1723.	13.8	29
33	Clarification of the Stereochemical Course of Nucleophilic Substitution of Arylsulfonate-Based Nucleophile Assisting Leaving Groups. <i>Journal of Organic Chemistry</i> , 2009, 74, 6042-6049.	3.2	29
34	A Unifying Stereochemical Analysis for the Formation of Halogenated C15-Acetogenin Medium-Ring Ethers From Laurencia Species via Intramolecular Bromonium Ion Assisted Epoxide Ring-Opening and Experimental Corroboration with a Model Epoxide. <i>Journal of Organic Chemistry</i> , 2012, 77, 9574-9584.	3.2	29
35	Synthesis, Characterisation and Reactivity of Copper(I) Amide Complexes and Studies on Their Role in the Modified Ullmann Amination Reaction. <i>Chemistry - A European Journal</i> , 2015, 21, 7179-7192.	3.3	27
36	Total Synthesis of the Marine Metabolite (±)-Polysiphenol via Highly Regioselective Intramolecular Oxidative Coupling. <i>Journal of Natural Products</i> , 2011, 74, 1980-1984.	3.0	26

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37	An asymmetric synthesis of enantiopure chair and twist trans-cyclooctene isomers. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3123-3129.	1.8	25
38	The stereochemical course of bromoetherification of enynes. <i>Chemical Communications</i> , 2008, , 1419.	4.1	25
39	Enantiospecific bromonium ion generation and intramolecular capture: a model system for asymmetric bromonium ion-induced polyene cyclisations. <i>Chemical Communications</i> , 2011, 47, 9051.	4.1	23
40	Synthesis of some ytterbium(III) tris-(perfluoroalkylsulfonyl)methides. <i>Tetrahedron</i> , 2002, 58, 3835-3840.	1.9	22
41	Epimeric Face-Selective Oxidations and Diastereodivergent Transannular Oxonium Ion Formation Fragmentations: Computational Modeling and Total Syntheses of 12-Epoxyobtusallene IV, 12-Epoxyobtusallene II, Obtusallene X, Marilzabicycloallene C, and Marilzabicycloallene D. <i>Journal of Organic Chemistry</i> , 2016, 81, 9539-9552.	3.2	21
42	Diastereoselective Conjugate Addition to (+)-Camphorsulfonic Acid Derived Nitroalkenes: Synthesis of $\hat{\pm}$ -Hydroxy and $\hat{\pm}$ -Amino Acids. <i>Journal of Organic Chemistry</i> , 1998, 63, 5818-5823.	3.2	20
43	Methyltrimethoxysilane (MTM) as a Reagent for Direct Amidation of Carboxylic Acids. <i>Organic Letters</i> , 2022, 24, 1175-1179.	4.6	18
44	A preparative microwave method for the isomerisation of 4,16-dibromo[2.2]paracyclophane into 4,12-dibromo[2.2]paracyclophane. <i>Tetrahedron Letters</i> , 2004, 45, 6583-6585.	1.4	17
45	Vacuum-driven anionic ligand exchange in Buchmeiser's Hoveyda-Grubbs ruthenium(II) benzylidenes. <i>Tetrahedron Letters</i> , 2007, 48, 5301-5303.	1.4	17
46	An Enantiospecific Polyene Cyclization Initiated by an Enantiomerically Pure Bromonium Ion. <i>Chirality</i> , 2013, 25, 692-700.	2.6	17
47	A Highly Active Ytterbium(III) Methide Complex for Truly Catalytic Friedel-Crafts Acylation Reactions. <i>Synlett</i> , 2002, 2002, 1653-1656.	1.8	16
48	Silicon compounds as stoichiometric coupling reagents for direct amidation. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6746-6760.	2.8	16
49	Verification of stereospecific dyotropic racemisation of enantiopure d and l-1,2-dibromo-1,2-diphenylethane in non-polar media. <i>Chemical Communications</i> , 2012, 48, 8943.	4.1	13
50	Proof-of-principle direct double cyclisation of a linear C ₁₅ -precursor to a dibrominated bicyclic medium-ring ether relevant to Laurencia species. <i>Chemical Communications</i> , 2014, 50, 12691-12693.	4.1	13
51	A general synthesis of five, six and seven-membered silasultones via dehydrative cyclisation. <i>Tetrahedron</i> , 2005, 61, 7233-7240.	1.9	12
52	Fractional crystallisation of ($\hat{\pm}$)-iso-amarine with mandelic acid: convenient access to (R,R)- and (S,S)-1,2-diamino-1,2-diphenylethanes. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2935-2937.	1.8	12
53	The reaction of aromatic dialdehydes with enantiopure 1,2-diamines: an expeditious route to enantiopure tricyclic amidines. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2911-2919.	1.8	12
54	Ytterbium(III) Triflate as a Recyclable Catalyst for the Selective Atom Economic Oxidation of Benzyl Alcohols to Benzaldehydes. <i>Synlett</i> , 1999, 1999, 1489-1490.	1.8	11

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55	Kinetic Benchmarking Reveals the Competence of Prenyl Groups in Ring-Closing Metathesis. <i>Organic Letters</i> , 2017, 19, 5332-5335.	4.6	11
56	Epoxidation of bromoallenes connects red algae metabolites by an intersecting bromoallene oxide " Favorskii manifold. <i>Chemical Communications</i> , 2013, 49, 11176.	4.1	10
57	New Insights into the Reaction Capabilities of Ionic Organic Bases in Cu-Catalyzed Amination. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1944-1951.	2.4	10
58	The Cyclopropylmethylsilane Terminated Prins Reaction: Stereoelectronic Controlled Formation of (E)-Skipped Dienes. <i>Synlett</i> , 2001, 2001, 1909-1912.	1.8	9
59	A Relay Strategy Actuates Pre-Existing Trisubstituted Olefins in Monoterpenoids for Cross-Metathesis with Trisubstituted Alkenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 4906-4917.	3.2	9
60	Approaches to design non-covalent inhibitors for human granzyme B (hGrB). <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8952-8965.	2.8	8
61	From Waste to Green Applications: The Use of Recovered Gold and Palladium in Catalysis. <i>Molecules</i> , 2021, 26, 5217.	3.8	8
62	Catalytic and Stoichiometric Lewis Acid Participation in Aldehyde Ene Cyclisations. <i>Collection of Czechoslovak Chemical Communications</i> , 2000, 65, 741-756.	1.0	6
63	A convenient synthesis of high-loaded palladium(II) ROMP polymers. <i>Tetrahedron Letters</i> , 2004, 45, 9021-9024.	1.4	6
64	Studies towards the synthesis of halomon: asymmetric hexafunctionalisation of myrcene. <i>Chemical Communications</i> , 2014, 50, 13725-13728.	4.1	6
65	Stable bromoallene oxides. <i>Chemical Communications</i> , 2016, 52, 11219-11222.	4.1	4
66	Application of lanthanide catalysis in the penicillin to cephalosporin conversion. <i>Tetrahedron</i> , 2002, 58, 8313-8319.	1.9	3
67	Relay Cross Metathesis for the Iterative Construction of Terpenoids and Synthesis of a Diterpene-Benzoate Macrolide of Biogenetic Relevance to the Bromophycolides. <i>Organic Letters</i> , 2020, 22, 3176-3179.	4.6	3
68	A stereoselective hydride transfer reaction with contributions from attractive dispersion force control. <i>Chemical Communications</i> , 2022, , .	4.1	2
69	Note: An Enantiospecific Polyene Cyclization Initiated by an Enantiomerically Pure Bromonium Ion. <i>Chirality</i> , 2014, 26, I-II.	2.6	0