

# Iain Coldham

## List of Publications by Year in descending order

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93  
papers

3,809  
citations

147801

31  
h-index

144013

57  
g-index

109  
all docs

109  
docs citations

109  
times ranked

2896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intramolecular Dipolar Cycloaddition Reactions of Azomethine Ylides. <i>Chemical Reviews</i> , 2005, 105, 2765-2810.	47.7	946
2	Asymmetric Deprotonation of <i>N</i> -Boc Piperidine: React IR Monitoring and Mechanistic Aspects. <i>Journal of the American Chemical Society</i> , 2010, 132, 7260-7261.	13.7	151
3	Anionic Cyclizations of $\hat{\pm}$ -Aminoorganolithiums. Determination of the Stereoselectivity at the Carbanion Center and the Synthesis of (+)-Pseudoheliotridane. <i>Journal of the American Chemical Society</i> , 1996, 118, 5322-5323.	13.7	114
4	An Experimental and in Situ IR Spectroscopic Study of the Lithiation of <i>N</i> -Boc-2-phenylpyrrolidine and -piperidine: Controlling the Formation of Quaternary Stereocenters. <i>Journal of the American Chemical Society</i> , 2012, 134, 5300-5308.	13.7	97
5	Highly Efficient Synthesis of Tricyclic Amines by a Cyclization/Cycloaddition Cascade: Total Syntheses of Aspidospermine, Aspidospermidine, and Quebrachamine. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6159-6162.	13.8	94
6	Splicing factor YBX1 mediates persistence of JAK2-mutated neoplasms. <i>Nature</i> , 2020, 588, 157-163.	27.8	90
7	Synthesis and biological studies of 1-amino $\hat{2}$ -carbolines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 5841-5844.	2.2	76
8	Stereoselective Formation of Fused Tricyclic Amines from Acyclic Aldehydes by a Cascade Process Involving Condensation, Cyclization, and Dipolar Cycloaddition. <i>Journal of Organic Chemistry</i> , 2009, 74, 2290-2300.	3.2	74
9	Cascade Cyclization, Dipolar Cycloaddition to Bridged Tricyclic Amines Related to the Daphniphyllum Alkaloids. <i>Organic Letters</i> , 2011, 13, 1267-1269.	4.6	65
10	Synthesis of 2-Arylpiperidines by Palladium Couplings of Aryl Bromides with Organozinc Species Derived from Deprotonation of <i>N</i> -Boc-Piperidine. <i>Organic Letters</i> , 2008, 10, 3923-3925.	4.6	64
11	Dynamic Thermodynamic and Dynamic Kinetic Resolution of 2-Lithiopyrrolidines. <i>Journal of the American Chemical Society</i> , 2006, 128, 10943-10951.	13.7	63
12	Regioselective and Stereoselective Copper(I)-Promoted Allylation and Conjugate Addition of <i>N</i> -Boc-2-lithiopyrrolidine and <i>N</i> -Boc-2-lithiopiperidine. <i>Journal of Organic Chemistry</i> , 2010, 75, 4069-4077.	3.2	59
13	Synthesis of 1,1-Disubstituted Tetrahydroisoquinolines by Lithiation and Substitution, with in Situ IR Spectroscopy and Configurational Stability Studies. <i>Journal of the American Chemical Society</i> , 2014, 136, 5551-5554.	13.7	59
14	Asymmetric Substitutions of $\hat{2}$ -Lithiated <i>N</i> -Boc-piperidine and <i>N</i> -Boc-zepine by Dynamic Resolution. <i>Chemistry - A European Journal</i> , 2010, 16, 4082-4090.	3.3	58
15	Intramolecular Carbolithiation Reactions of Chiral $\hat{\pm}$ -Amino-organolithium Species. <i>Chemistry - A European Journal</i> , 2002, 8, 195-207.	3.3	54
16	Cascade condensation, cyclization, intermolecular dipolar cycloaddition by multi-component coupling and application to a synthesis of ( $\hat{\pm}$ )-crispine A. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1674.	2.8	54
17	Synthesis of Fused Tricyclic Amines from Enolizable Acyclic Aldehydes by Cyclization then Dipolar Cycloaddition Cascade: Synthesis of Myrioxazine A. <i>Organic Letters</i> , 2009, 11, 1515-1518.	4.6	53
18	Synthesis of Natural Products Using Intramolecular Dipolar Cycloaddition Reactions. <i>Current Organic Synthesis</i> , 2010, 7, 312-331.	1.3	50

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19	Intramolecular Dipolar Cycloaddition Reactions to Give Substituted Indoles – A Formal Synthesis of Deethylbophyllidine. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2676-2686.	2.4	49
20	Asymmetric deprotonation of N-Boc-piperidines. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2113-2119.	1.8	46
21	Synthesis of the Core Ring System of the Yuzurimine-Type Daphniphyllum Alkaloids by Cascade Condensation, Cyclization, Cycloaddition Chemistry. <i>Journal of Organic Chemistry</i> , 2011, 76, 2360-2366.	3.2	46
22	Synthesis of Chiral 1,2-Diamines by Asymmetric Lithiation-Substitution. <i>Organic Letters</i> , 2001, 3, 3799-3801.	4.6	45
23	Synthesis of the ABC Ring System of Manzamine A. <i>Journal of Organic Chemistry</i> , 2002, 67, 6181-6187.	3.2	45
24	Enantioselective Synthesis of Substituted Pyrrolidines by Dynamic Resolution. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3887-3889.	13.8	44
25	Barrier to Enantiomerization of Unstabilized, Chelated, and Dipole-Stabilized 2-Lithiopyrrolidines. <i>Journal of the American Chemical Society</i> , 2005, 127, 449-457.	13.7	43
26	Asymmetric Lithiation-Substitution of Amines Involving Rearrangement of Borates. <i>Organic Letters</i> , 2008, 10, 141-143.	4.6	39
27	Intramolecular azomethine ylide cycloaddition reactions to give octahydroindoles. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1758-1763.	1.3	38
28	A new route to cyclic amines by anionic cyclization. <i>Tetrahedron Letters</i> , 1995, 36, 2157-2160.	1.4	37
29	Intramolecular Carbolithiation Reactions for the Preparation of Azabicyclo[2.2.1]heptanes. <i>Journal of Organic Chemistry</i> , 2000, 65, 3788-3795.	3.2	36
30	Aza-Wittig rearrangements and cyclizations by transmetalation of N-benzylaminomethylstannanes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1275.	0.9	35
31	Synthesis of 3-alkylpyrrolidines by anionic cyclization. <i>Tetrahedron</i> , 1996, 52, 12541-12552.	1.9	35
32	Intramolecular carbolithiation reactions for the preparation of 3-alkenylpyrrolidines. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2111.	2.8	35
33	Synthesis of 1-Substituted Tetrahydroisoquinolines by Lithiation and Electrophilic Quenching Guided by In Situ IR and NMR Spectroscopy and Application to the Synthesis of Salsolidine, Carnegine and Laudanosine. <i>Chemistry - A European Journal</i> , 2013, 19, 7724-7730.	3.3	33
34	Cascade cyclization intermolecular dipolar cycloaddition by multi-component couplings – synthesis of indolizidines and pyrrolizidines. <i>Tetrahedron Letters</i> , 2008, 49, 5408-5410.	1.4	32
35	Preparation of diamines by lithiation-substitution of imidazolidines and pyrimidines. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1532-1544.	2.8	30
36	Dynamic resolution of N-Boc-2-lithiopiperidine. <i>Chemical Communications</i> , 2008, , 4174.	4.1	30

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37	Stereoselective Anionic Cyclizations to Pyrrolidines. <i>Tetrahedron Letters</i> , 1997, 38, 7617-7620.	1.4	28
38	Synthesis and Evaluation of 1- <i>N</i> -Amino-6-chloro-2-carbolines as Antimalarial and Antiprion Agents. <i>ChemMedChem</i> , 2012, 7, 578-586.	3.2	28
39	Synthesis and kinetic resolution of <i>N</i> -Boc-2-arylpiperidines. <i>Chemical Communications</i> , 2014, 50, 9910-9913.	4.1	27
40	Unfolded protein response is an early, non-critical event during hepatic stellate cell activation. <i>Cell Death and Disease</i> , 2019, 10, 98.	6.3	27
41	Synthesis of Pyrrolidines by Anionic Cyclization onto Allylic Ethers, Alkynes and Carboxylic Groups. <i>Tetrahedron Letters</i> , 1997, 38, 7621-7624.	1.4	26
42	The barrier to enantiomerization of <i>N</i> -Boc-2-lithiopyrrolidine: the effect of chiral and achiral diamines. <i>Chemical Communications</i> , 2008, , 97-98.	4.1	25
43	Synthesis of the core ring system of the stemona alkaloids by cascade condensation, cyclization, intramolecular cycloaddition. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4530.	2.8	25
44	Chiral organolithium species: determination of the rate of cyclization and extent of racemization. <i>Chemical Communications</i> , 2000, , 1569-1570.	4.1	24
45	The barrier to enantiomerization and dynamic resolution of <i>N</i> -Boc-2-lithiopiperidine and the effect of TMEDA. <i>Chemical Communications</i> , 2009, , 5239.	4.1	24
46	Dynamic thermodynamic resolution of lithiated <i>N</i> -Boc- <i>N</i> <sup>2</sup> -alkylpiperazines. <i>Tetrahedron Letters</i> , 2010, 51, 3642-3644.	1.4	24
47	Remarkable Configurational Stability of Magnesiated Nitriles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7700-7703.	13.8	24
48	Dipolar Cycloaddition and Ring-Closing Metathesis in the Synthesis of the Tetracyclic ABCE Ring System of Manzamine A. <i>Synlett</i> , 2005, 2005, 1743-1745.	1.8	23
49	Enantiomerization Dynamics and a Catalytic Dynamic Resolution of <i>N</i> -Trimethylallyl-2-lithiopyrrolidine. <i>Journal of the American Chemical Society</i> , 2009, 131, 6908-6909.	13.7	23
50	Synthesis and kinetic resolution of substituted tetrahydroquinolines by lithiation then electrophilic quench. <i>Chemical Science</i> , 2018, 9, 1352-1357.	7.4	23
51	Dynamic kinetic resolution of <i>N</i> -Boc-2-lithiopyrrolidine. <i>Chemical Communications</i> , 2005, , 3083.	4.1	22
52	Synthesis of 7-azabicyclo[2.2.1]heptanes by anionic cyclization. <i>Tetrahedron Letters</i> , 1999, 40, 1819-1822.	1.4	21
53	Dynamic kinetic and kinetic resolution of <i>N</i> -Boc-2-lithiopiperidine. <i>Chemical Communications</i> , 2007, , 4534.	4.1	21
54	Synthesis of tetracyclic indole-containing ring systems by intramolecular cycloadditions of azomethine ylides. <i>Tetrahedron Letters</i> , 2007, 48, 873-875.	1.4	21

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55	Î±-Amino-Organolithium Compounds. , 0, , 997-1053.		20
56	Transannular dipolar cycloaddition as an approach towards the synthesis of the core ring system of the sarain alkaloids. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1901.	2.8	19
57	Arylthio-Metal Exchange of Î±-Arylthioalkanenitriles. <i>Organic Letters</i> , 2014, 16, 62-65.	4.6	19
58	Synthesis of substituted tetrahydroisoquinolines by lithiation then electrophilic quench. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4908-4917.	2.8	19
59	Asymmetric Synthesis of 3-Hydroxy-pyrrolidines via Tin <sup>IV</sup> -Lithium Exchange and Cyclization. <i>Organic Letters</i> , 2006, 8, 4469-4471.	4.6	17
60	Cascade cyclization, dipolar cycloaddition of azomethine imines for the synthesis of pyrazolidines. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7921.	2.8	17
61	Preparation of 1-Substituted Tetrahydro-Î²-carbolines by Lithiation <sup>+</sup> Substitution. <i>Journal of Organic Chemistry</i> , 2015, 80, 5964-5969.	3.2	17
62	A new stereoselective approach to the manzamine alkaloids. <i>Chemical Communications</i> , 1999, , 1757-1758.	4.1	16
63	Dynamic resolution of N-alkyl-2-lithiopyrrolidines with the chiral ligand (âˆš)-sparteine. <i>Tetrahedron</i> , 2005, 61, 3205-3220.	1.9	16
64	Synthesis of Spirocyclic Amines by Using Dipolar Cycloadditions of Nitrones. <i>Journal of Organic Chemistry</i> , 2017, 82, 6489-6496.	3.2	16
65	Cascade cyclization and intramolecular nitrone dipolar cycloaddition and formal synthesis of 19-hydroxybogamine. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 66-73.	2.8	16
66	Synthesis of 2-hydroxy-3-indolinones and 3-hydroxy-2-indolinones by anionic cyclization, in situ oxidation and rearrangement. <i>Tetrahedron Letters</i> , 2010, 51, 2457-2460.	1.4	15
67	Cascade oxime formation, cyclization to a nitrone, and intermolecular dipolar cycloaddition. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10953-10962.	2.8	15
68	Synthesis and activity of a novel inhibitor of nonsense-mediated mRNA decay. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1559-1563.	2.8	15
69	Direct Preparation of 7-allyl- and 7-arylindolines. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2619-2623.	4.3	14
70	Synthesis of pyrrolo[1,2- <i>a</i> ]quinolines by formal 1,3-dipolar cycloaddition reactions of quinolinium salts. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1480-1484.	2.2	13
71	Structural studies of {6Li} 2-lithiopyrrolidines using NMR spectroscopy. <i>Tetrahedron</i> , 2005, 61, 3271-3280.	1.9	12
72	Synthesis of Fused Tricyclic Heterocycles by Condensation, Cyclization, Dipolar Cycloaddition Cascade of Î±-Benzenesulfonyl and Î±-Phenylthio Substituted Aldehydes. <i>Heterocycles</i> , 2012, 84, 597.	0.7	12

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73	Stereoselective Synthesis of Pyrrolidines and Pyrrolizidines by Intramolecular Carbolithiation. <i>Synthesis</i> , 2001, 2001, 1523.	2.3	11
74	Intramolecular Carbolithiation Reactions in the Construction of Medium-Sized Rings. Synthesis of Pyrroloisoquinolines, Benzazepines, and Benzazocines. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1460-1470.	2.4	11
75	Synthesis of fused tricyclic amines unsubstituted at the ring-junction positions by a cascade condensation, cyclization, cycloaddition then decarbonylation strategy. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 107-111.	2.2	10
76	Highly enantioselective metallation-substitution alpha to a chiral nitrile. <i>Chemical Science</i> , 2017, 8, 1436-1441.	7.4	10
77	Asymmetric Synthesis of 2-Arylindolines and 2-Disubstituted Indolines by Kinetic Resolution. <i>Chemistry - A European Journal</i> , 2021, 27, 11670-11675.	3.3	10
78	Lithiation-Substitution of N-Boc-2-phenylazepane. <i>Synlett</i> , 2017, 28, 2765-2768.	1.8	9
79	Selectivity in the aggregates of the chiral organolithium <i>N</i> -Boc-2-lithiopiperidine with a chiral ligand: a DFT study. <i>Molecular Physics</i> , 2012, 110, 353-359.	1.7	7
80	Synthesis of the tricyclic core of manzamine A. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3331-3340.	2.8	7
81	Asymmetric Synthesis of 2-Arylpyrrolidines by Cationic Cyclization. <i>Synlett</i> , 2012, 23, 2405-2407.	1.8	6
82	Preparation of Substituted Tetrahydrobenzazepines by Lithiation-Trapping. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5289-5296.	2.4	6
83	Regioselective Lithiation and Electrophilic Quenching of <i>N</i> -Boc-phenyltetrahydroisoquinoline. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5294-5301.	2.4	6
84	Enantioselective Synthesis of Substituted Pyrrolidines by Dynamic Resolution. <i>Angewandte Chemie</i> , 2002, 114, 4043-4045.	2.0	5
85	Kinetic Resolution of 2-Aryl-4-methylenepiperidines toward Enantioenriched Functionalizable Piperidine Fragments. <i>Journal of Organic Chemistry</i> , 2022, 87, 8819-8823.	3.2	5
86	Three-component couplings for the synthesis of pyrroloquinoxalinones by azomethine ylide 1,3-dipolar cycloaddition chemistry. <i>Tetrahedron Letters</i> , 2019, 60, 151023.	1.4	4
87	Kinetic Resolution by Lithiation: Highly Enantioselective Synthesis of Substituted Dihydrobenzoxazines and Tetrahydroquinoxalines. <i>Synthesis</i> , 2022, 54, 355-368.	2.3	4
88	Metallation-substitution of an $\alpha$ -oxygenated chiral nitrile. <i>Comptes Rendus Chimie</i> , 2017, 20, 601-608.	0.5	3
89	Regiochemical and Stereochemical Studies of the Intramolecular Dipolar Cycloaddition of Nitrones Derived from Quaternary Aldehydes. <i>Synlett</i> , 2016, 27, 447-449.	1.8	2
90	Stuart Warren (24 Dec 1938-22 Mar 2020). <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7236-7237.	2.8	1

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91	Synthesis of Spirocyclic Amines by 1,3-Dipolar Cycloaddition of Azomethine Ylides and Azomethine Imines. <i>Synthesis</i> , 2020, 52, 1273-1278.	2.3	1
92	Intramolecular Dipolar Cycloaddition Reactions of Azomethine Ylides. <i>ChemInform</i> , 2005, 36, no.	0.0	0
93	Dynamic Kinetic Resolution of N-Boc-2-lithiopyrrolidine.. <i>ChemInform</i> , 2005, 36, no.	0.0	0