

James A Bull

List of Publications by Year in descending order

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84
papers

4,991
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94269

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121
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docs citations

121
times ranked

4685
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Pyridine and Dihydropyridine Derivatives by Regio- and Stereoselective Addition to <i>N</i> -Activated Pyridines. <i>Chemical Reviews</i> , 2012, 112, 2642-2713.	23.0	770
2	Oxetanes: Recent Advances in Synthesis, Reactivity, and Medicinal Chemistry. <i>Chemical Reviews</i> , 2016, 116, 12150-12233.	23.0	331
3	A molecular rotor for measuring viscosity in plasma membranes of live cells. <i>Chemical Communications</i> , 2014, 50, 5282-5284.	2.2	216
4	Thermal Stability and Explosive Hazard Assessment of Diazo Compounds and Diazo Transfer Reagents. <i>Organic Process Research and Development</i> , 2020, 24, 67-84.	1.3	166
5	Stereoselective synthesis and applications of spirocyclic oxindoles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1026-1084.	2.3	165
6	Transfer of Electrophilic NH Using Convenient Sources of Ammonia: Direct Synthesis of NH Sulfoximines from Sulfoxides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7203-7207.	7.2	162
7	Copper-Catalyzed Direct Alkenylation of <i>N</i> -Iminopyridinium Ylides. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1115-1118.	7.2	146
8	Synthesis of NH-sulfoximines from sulfides by chemoselective one-pot N- and O-transfers. <i>Chemical Communications</i> , 2017, 53, 348-351.	2.2	136
9	Regio- and Stereospecific Synthesis of C-3 Functionalized Proline Derivatives by Palladium Catalyzed Directed C(sp ³)-H Arylation. <i>Organic Letters</i> , 2014, 16, 4956-4959.	2.4	134
10	Transient imines as "next generation" directing groups for the catalytic functionalisation of C-H bonds in a single operation. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4582-4595.	1.5	116
11	Straightforward Strategies for the Preparation of NH-Sulfoximines: A Serendipitous Story. <i>Synlett</i> , 2017, 28, 2525-2538.	1.0	112
12	Synthesis of 2- and 2,3-Substituted Pyrazolo[1,5- <i>a</i>]pyridines: Scope and Mechanistic Considerations of a Domino Direct Alkynylation and Cyclization of <i>N</i> -Iminopyridinium Ylides Using Alkenyl Bromides, Alkenyl Iodides, and Alkynes. <i>Journal of Organic Chemistry</i> , 2011, 76, 8243-8261.	1.7	90
13	Imaging phase separation in model lipid membranes through the use of BODIPY based molecular rotors. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18393-18402.	1.3	86
14	Transient imine directing groups for the C-H functionalisation of aldehydes, ketones and amines: an update 2018-2020. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7291-7315.	1.5	84
15	Imaging tumor microscopic viscosity in vivo using molecular rotors. <i>Scientific Reports</i> , 2017, 7, 41097.	1.6	83
16	Single operation palladium catalysed C(sp ³)-H functionalisation of tertiary aldehydes: investigations into transient imine directing groups. <i>Chemical Science</i> , 2017, 8, 4840-4847.	3.7	83
17	Synthesis and Transformations of NH-Sulfoximines. <i>Chemistry - A European Journal</i> , 2021, 27, 17293-17321.	1.7	78
18	Synthesis of Sulfoximine Carbamates by Rhodium-Catalyzed Nitrene Transfer of Carbamates to Sulfoxides. <i>Journal of Organic Chemistry</i> , 2015, 80, 6391-6399.	1.7	74

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19	Visualising the membrane viscosity of porcine eye lens cells using molecular rotors. <i>Chemical Science</i> , 2017, 8, 3523-3528.	3.7	71
20	Palladium-Catalyzed Directed C(sp ³)-H Arylation of Saturated Heterocycles at C ^β Using a Concise Optimization Approach. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 139-149.	1.2	66
21	Intramolecular Simmons-Smith Cyclopropanation. Studies into the Reactivity of Alkyl-Substituted Zinc Carbenoids, Effect of Directing Groups and Synthesis of Bicyclo[1.1.0]alkanes. <i>Journal of the American Chemical Society</i> , 2010, 132, 1895-1902.	6.6	64
22	Convenient One-Pot Synthesis of (E)- β -Aryl Vinyl Halides from Benzyl Bromides and Dihalomethanes. <i>Organic Letters</i> , 2008, 10, 5485-5488.	2.4	59
23	Synthesis of Di-, Tri-, and Tetrasubstituted Oxetanes by Rhodium-Catalyzed O-H Insertion and C-C Bond-Forming Cyclization. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14230-14234.	7.2	59
24	Synthesis of Highly Enantioenriched Sulfonimidoyl Fluorides and Sulfonimidamides by Stereospecific Sulfur-Fluorine Exchange (SuFEx) Reaction. <i>Chemistry - A European Journal</i> , 2020, 26, 12533-12538.	1.7	59
25	Synthesis of Sulfonimidamides from Sulfenamides via an Alkoxyamino-sulfanenitrile Intermediate. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14303-14310.	7.2	57
26	Synthesis of diversely functionalised 2,2-disubstituted oxetanes: fragment motifs in new chemical space. <i>Chemical Communications</i> , 2015, 51, 15446-15449.	2.2	55
27	Rapid Assembly of Saturated Nitrogen Heterocycles in One-Pot: Diazo-Heterocycle α -Stitching by N-H Insertion and Cyclization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1458-1462.	7.2	54
28	Regio- and Stereoselective Palladium-Catalyzed C(sp ³)-H Arylation of Pyrrolidines and Piperidines with C(3) Directing Groups. <i>Organic Letters</i> , 2018, 20, 3948-3952.	2.4	53
29	Chemical and structural investigation of the paroxetine-human serotonin transporter complex. <i>ELife</i> , 2020, 9, .	2.8	53
30	Total Synthesis of Potent Antifungal Marine Bisoxazole Natural Products Bengazoles A and B. <i>Chemistry - A European Journal</i> , 2007, 13, 5515-5538.	1.7	51
31	2-(Arylsulfonyl)oxetanes as designer 3-dimensional fragments for fragment screening: synthesis and strategies for functionalisation. <i>Chemical Communications</i> , 2014, 50, 5203-5205.	2.2	51
32	Transfer of Electrophilic NH Using Convenient Sources of Ammonia: Direct Synthesis of NH Sulfoximines from Sulfoxides. <i>Angewandte Chemie</i> , 2016, 128, 7319-7323.	1.6	51
33	Highly Chemoselective NH- and O-Transfer to Thiols Using Hypervalent Iodine Reagents: Synthesis of Sulfonimidates and Sulfonamides. <i>Organic Letters</i> , 2018, 20, 2599-2602.	2.4	50
34	Palladium-Catalyzed C(sp ³)-H Arylation of Primary Amines Using a Catalytic Alkyl Acetal to Form a Transient Directing Group. <i>Chemistry - A European Journal</i> , 2018, 24, 17838-17843.	1.7	50
35	Structurally Divergent Lithium Catalyzed Friedel-Crafts Reactions on Oxetanols: Synthesis of 3,3-Diaryloxetanes and 2,3-Dihydrobenzofurans. <i>Chemistry - A European Journal</i> , 2016, 22, 16271-16276.	1.7	48
36	N-4-Pyrimidinyl-1H-indazol-4-amine inhibitors of Lck: Indazoles as phenol isosteres with improved pharmacokinetics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 4363-4368.	1.0	44

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37	Transition Metal-Catalyzed Directed C(sp ³)â€“H Functionalization of Saturated Heterocycles. <i>Synthesis</i> , 2019, 51, 3171-3204.	1.2	43
38	Probing supramolecular protein assembly using covalently attached fluorescent molecular rotors. <i>Biomaterials</i> , 2017, 139, 195-201.	5.7	35
39	Divergent Synthesis of Cyclopropaneâ€“Containing Leadâ€“Like Compounds, Fragments and Building Blocks through a Cobalt Catalyzed Cyclopropanation of Phenyl Vinyl Sulfide. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5015-5024.	1.2	35
40	Intramolecular palladium(<i>ii</i>)/(<i>iv</i>) catalysed C(sp ³)â€“H arylation of tertiary aldehydes using a transient imine directing group. <i>Chemical Communications</i> , 2019, 55, 9172-9175.	2.2	35
41	Stereocontrolled Total Synthesis of Bengazole A: A Marine Bisoxazole Natural Product Displaying Potent Antifungal Properties. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6714-6718.	7.2	33
42	Synthesis of <i>cis</i> - <i>C</i> -Iodo- <i>N</i> -Tosyl-Aziridines using Diiodomethylithium: Reaction Optimization, Product Scope and Stability, and a Protocol for Selection of Stationary Phase for Chromatography. <i>Journal of Organic Chemistry</i> , 2013, 78, 6632-6647.	1.7	33
43	Highly <i>cis</i> -selective synthesis of iodo-aziridines using diiodomethylithium and in situ generated <i>N</i> -Boc-imines. <i>Chemical Communications</i> , 2012, 48, 12246.	2.2	30
44	Palladium-Catalyzed Cross-Coupling of Aziridinylmetal Species, Generated by Sulfinylâ€“Magnesium Exchange, with Aryl Bromides: Reaction Optimization, Scope, and Kinetic Investigations. <i>Journal of Organic Chemistry</i> , 2013, 78, 844-854.	1.7	30
45	Recent Advances in the Synthesis of 2-Substituted Oxetanes. <i>Synlett</i> , 2015, 26, 1283-1288.	1.0	30
46	Lithiumâ€“Catalyzed Thiol Alkylation with Tertiary and Secondary Alcohols: Synthesis of 3â€“Sulfonylâ€“Oxetanes as Bioisosteres. <i>Chemistry - A European Journal</i> , 2018, 24, 818-821.	1.7	30
47	On the Use of Differential Scanning Calorimetry for Thermal Hazard Assessment of New Chemistry: Avoiding Explosive Mistakes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15798-15802.	7.2	30
48	Amino-oxetanes as amide isosteres by an alternative defluorosulfonylative coupling of sulfonyl fluorides. <i>Nature Chemistry</i> , 2022, 14, 160-169.	6.6	30
49	Stereospecific reaction of sulfonimidoyl fluorides with Grignard reagents for the synthesis of enantioenriched sulfoximines. <i>Chemical Communications</i> , 2022, 58, 5387-5390.	2.2	30
50	Catalytic Enantioselective Synthesis of Secondary Alkylboronate Building Blocks With and Without Metals. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8930-8932.	7.2	29
51	Methylene C(sp ³)â€“H ^{2,1} -Diarylation of Cyclohexancarbaldehydes Promoted by a Transient Directing Group and Pyridone Ligand. <i>Organic Letters</i> , 2020, 22, 1807-1812.	2.4	28
52	Improved Procedure for the Synthesis of <i>gem</i> -Diiodoalkanes by the Alkylation of Diiodomethane. Scope and Limitations. <i>Journal of Organic Chemistry</i> , 2008, 73, 8097-8100.	1.7	27
53	Copper-Catalyzed <i>N</i> -Arylation of 2-Imidazolines with Aryl Iodides. <i>Journal of Organic Chemistry</i> , 2013, 78, 3470-3475.	1.7	27
54	Studies on the synthesis, stability and conformation of 2-sulfonyl-oxetane fragments. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5265-5272.	1.5	26

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55	Synthesis of 3,3-Diarylazetidines by Calcium(II)-Catalyzed Friedel-Crafts Reaction of Azetidins with Unexpected Cbz Enhanced Reactivity. <i>Organic Letters</i> , 2019, 21, 300-304.	2.4	26
56	Base Metal Catalysis in Directed C(sp ³) ^α -H Functionalisation. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3662-3682.	2.1	24
57	Short Synthesis of Oxetane and Azetidine 3-Aryl-3-carboxylic Acid Derivatives by Selective Furan Oxidative Cleavage. <i>Organic Letters</i> , 2020, 22, 5279-5283.	2.4	24
58	Stereospecific Functionalization of Iodoaziridines via Unstabilized Aziridinylolithiums Generated by Iodine-Lithium Exchange. <i>Organic Letters</i> , 2014, 16, 2740-2743.	2.4	18
59	Acid-Mediated Ring Expansion of 2,2-Disubstituted Azetidine Carbamates to 6,6-Disubstituted 1,3-Oxazinan-2-ones. <i>Organic Letters</i> , 2019, 21, 1818-1822.	2.4	18
60	N ^α -N Bond Formation Using an Iodonitrene as an Umpolung of Ammonia: Straightforward and Chemoselective Synthesis of Hydrazinium Salts. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 194-199.	2.1	18
61	Synthesis of Substituted 1,4-Dioxenes through O-H Insertion and Cyclization Using Keto-Diazo Compounds. <i>Journal of Organic Chemistry</i> , 2016, 81, 11477-11488.	1.7	17
62	Synthesis of Sulfonimidamides from Sulfenamides via an Alkoxy-α-amino-β-sulfanenitrile Intermediate. <i>Angewandte Chemie</i> , 2019, 131, 14441-14448.	1.6	16
63	Synthesis of 3-Aryl-3-Sulfonyl Azetidines by Iron-Catalyzed Thiol Alkylation with N-Cbz Azetidins. <i>Journal of Organic Chemistry</i> , 2019, 84, 5943-5956.	1.7	16
64	Diazo-Transfer Reagent 2-Azido-4,6-dimethoxy-1,3,5-triazine Displays Highly Exothermic Decomposition Comparable to Tosyl Azide. <i>Journal of Organic Chemistry</i> , 2019, 84, 5893-5898.	1.7	16
65	Synthesis and Configurational Assignment of Vinyl Sulfoximines and Sulfonimidamides. <i>Journal of Organic Chemistry</i> , 2021, 86, 7403-7424.	1.7	16
66	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	15
67	Oxetane ethers are formed reversibly in the lithium-catalyzed Friedel-Crafts alkylation of phenols with oxetanols: Synthesis of dihydrobenzofurans, diaryloxetanes, and oxetane ethers. <i>Tetrahedron</i> , 2018, 74, 5427-5435.	1.0	13
68	Catalytic Friedel-Crafts Reactions on Saturated Heterocycles and Small Rings for sp ³ -sp ² Coupling of Medicinally Relevant Fragments. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5385-5395.	1.2	13
69	Rapid Assembly of Saturated Nitrogen Heterocycles in One-Pot: Diazo-Heterocycle α -Stitching by N-H Insertion and Cyclization. <i>Angewandte Chemie</i> , 2019, 131, 1472-1476.	1.6	13
70	Studies on the synthesis of α -iodoaziridines and improved conditions for the synthesis of alkyl- α -iodoaziridines using C1MgCHI2. <i>Tetrahedron</i> , 2015, 71, 4949-4957.	1.0	12
71	Synthesis of glycosyl sulfoximines by a highly chemo- and stereoselective NH- and O-transfer to thioglycosides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3893-3897.	1.5	12
72	Stereoselective Palladium-Catalyzed C(sp ³) ^α -H Mono-Arylation of Piperidines and Tetrahydropyrans with a C(4) Directing Group. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1488-1497.	2.1	12

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73	Investigating 3,3-diaryloxetanes as potential bioisosteres through matched molecular pair analysis. RSC Medicinal Chemistry, 2021, 12, 2045-2052.	1.7	11
74	Amine-Catalyzed Copper-Mediated C-H Sulfonylation of Benzaldehydes via a Transient Imine Directing Group**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
75	2-Sulfinyl Oxetanes: Synthesis, Stability and Reactivity. Synlett, 2015, 27, 106-110.	1.0	10
76	Surface functionalisation with viscosity-sensitive BODIPY molecular rotor. Methods and Applications in Fluorescence, 2018, 6, 034001.	1.1	8
77	Copper catalysed oxidative α -sulfonylation of branched aldehydes using the acid enhanced reactivity of manganese(IV) oxide. Chemical Communications, 2020, 56, 4587-4590.	2.2	8
78	Oxetan-3-ols as 1,2-bis-Electrophiles in a Brønsted-Acid-Catalyzed Synthesis of 1,4-Dioxanes. Organic Letters, 2022, 24, 2365-2370.	2.4	8
79	On the Use of Differential Scanning Calorimetry for Thermal Hazard Assessment of New Chemistry: Avoiding Explosive Mistakes. Angewandte Chemie, 2020, 132, 15930-15934.	1.6	5
80	Oxetanes and Oxetenes: Monocyclic. , 2022, , 212-256.		4
81	Synthesis and Purification of Iodoaziridines Involving Quantitative Selection of the Optimal Stationary Phase for Chromatography. Journal of Visualized Experiments, 2014, , .	0.2	3
82	Synthesis of Selenoaziridines: A Study on Stereochemical Outcomes of the Reaction of Aziridine Radicals and Anions Generated from Iodoaziridines. ACS Omega, 2019, 4, 870-879.	1.6	2
83	Frontispiece: Synthesis and Transformations of NH-Sulfoximines. Chemistry - A European Journal, 2021, 27, .	1.7	0
84	Amine-Catalyzed Copper-Mediated C-H Sulfonylation of Benzaldehydes via a Transient Imine Directing Group. Angewandte Chemie, 0, , .	1.6	0