Alison J Frontier

List of Publications by Year
in descending order

74 papers	4,027 citations	126907 33 h-index	118850 62 g-index
120 all docs	120 docs citations	120 times ranked	2224 citing authors

#	Article	IF	Citations
1	Synthesis of Spirocyclic Isoindolones Using an Alkynyl aza-Prins/Oxidative halo-Nazarov Cyclization Sequence. Organic Letters, 2021, 23, 1782-1786.	4.6	18
2	Merging Strategy, Improvisation, and Conversation to Solve Problems in Target Synthesis. Accounts of Chemical Research, 2021, 54, 1817-1829.	15.6	6
3	Cyclization Strategies for the Concurrent Installation of Multiple Quaternary Stereogenic Centers. Israel Journal of Chemistry, 2021, 61, 469-485.	2.3	5
4	A synthetic small molecule stalls pre-mRNA splicing by promoting an early-stage U2AF2-RNA complex. Cell Chemical Biology, 2021, 28, 1145-1157.e6.	5.2	24
5	New Twists in Nazarov Cyclization Chemistry. Accounts of Chemical Research, 2020, 53, 1822-1832.	15.6	54
6	â€œThe Chemistry of Poisonsâ€: An Interdisciplinary Approach to Integrating Chemical, Toxicological, and Medicinal Principles. Journal of Chemical Education, 2020, 97, 3966-3975.	2.3	4
7	One-Pot Double-Annulation Strategy for the Synthesis of Unusual Fused Bis-Heterocycles. Organic Letters, 2020, 22, 4350-4354.	4.6	18
8	Tuning Mechanism through Buffer Dependence of Hydrogen Evolution Catalyzed by a Cobalt Mini-enzyme. Biochemistry, 2020, 59, 1289-1297.	2.5	36
9	Stereochemical Relay through a Cationic Intermediate: Helical Preorganization Dictates Direction of Conrotation in the halo-Nazarov Cyclization. Organic Letters, 2020, 22, 4010-4015.	4.6	12
10	Alkynyl Prins and Alkynyl Aza-Prins Annulations: Scope and Synthetic Applications. Synthesis, 2020, 52, 1991-2007.	2.3	21
11	Leveraging the Halo-Nazarov Cyclization for the Chemodivergent Assembly of Functionalized Haloindenes and Indanones. Journal of the American Chemical Society, 2019, 141, 5461-5469.	13.7	35
12	Noncanonical Cationâ^Ï€ Cyclizations of Alkylidene Î²-Ketoesters: Synthesis of Spiro-fused and Bridged Bicyclic Ring Systems. Organic Letters, 2019, 21, 2008-2012.	4.6	7
13	Cationic Cascade for Building Complex Polycyclic Molecules from Simple Precursors: Diastereoselective Installation of Three Contiguous Stereogenic Centers in a One-Pot Process. Journal of the American Chemical Society, 2019, 141, 118-122.	13.7	36
14	SYNTHESISâ€“SYNLETT Lecture: Toward the Asymmetric Synthesis of Tetrapetalone A: Preparation of an Enantioenriched Indane Intermediate and Strategy for Endgame Glycosylation. Synthesis, 2018, 50, 1238-1245.	2.3	4
15	Diastereoselective Construction of Densely Functionalized 1â€Halocyclopentenes Using an Alkynyl Haloâ€Prins/Haloâ€Nazarov Cyclization Strategy. Angewandte Chemie, 2017, 129, 15226-15230.	2.0	6
16	Diastereoselective Construction of Densely Functionalized 1â€Halocyclopentenes Using an Alkynyl Haloâ€Prins/Haloâ€Nazarov Cyclization Strategy. Angewandte Chemie - International Edition, 2017, 56, 15030-15034.	13.8	33
17	Nazarov Cyclization/Internal Redox Cyclization Sequence for the Synthesis of N-Heterocyclic Bridged Ring Systems. Organic Letters, 2016, 18, 4896-4899.	4.6	19
18	Enantioselective Nazarov cyclization catalyzed by a cinchona alkaloid derivative. Tetrahedron Letters, 2015, 56, 3523-3526.	1.4	20

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19	Studies toward the AB ring system of the tetrapetalone natural products. Tetrahedron, 2015, 71, 5886-5896.	1.9	11
20	Gold(I)-Catalyzed Iodination of Arenes. Synlett, 2014, 25, 399-402.	1.8	17
21	No Acid Required: 4Ï€ and 6Ï€ Electrocyclization Reactions of Dienyl Diketones for the Synthesis of Cyclopentenones and 2H-Pyrans. Journal of Organic Chemistry, 2014, 79, 10296-10302.	3.2	25
22	Synthesis of (Â±)â€Tetrapetaloneâ€…Aâ€Me Aglycon. Angewandte Chemie - International Edition, 2014, 53, 9334-9338.	13.8	50
23	The Phomactin Natural Products from Isolation to Total Synthesis: A Review. Organic Preparations and Procedures International, 2014, 46, 214-251.	1.3	16
24	Cationic Cyclizations and Rearrangements Promoted by a Heterogeneous Gold Catalyst. Organic Letters, 2014, 16, 800-803.	4.6	44
25	Gold(III) Chlorideâ€Catalyzed 6â€endoâ€trig Oxaâ€Michael Addition Reactions for Diastereoselective Synthesis of Fused Tetrahydropyranones. Advanced Synthesis and Catalysis, 2013, 355, 2077-2082.	4.3	15
26	Reagent Control of [1,2]â€Wagnerâ€“Meerwein Shift Chemoselectivity Following the Nazarov Cyclization: Application to the Total Synthesis of Enokipodin B. Chemistry - A European Journal, 2013, 19, 4835-4841.	3.3	27
27	Beyond the Divinyl Ketone: Innovations in the Generation and Nazarov Cyclization of Pentadienyl Cation Intermediates. European Journal of Organic Chemistry, 2013, 2013, 3621-3633.	2.4	169
28	Efficient Nazarov Cyclization/Wagnerâ€“Meerwein Rearrangement Terminated by a Cu^{II}â€Promoted Oxidation: Synthesis of 4â€Alkylidene Cyclopentenones. Chemistry - A European Journal, 2013, 19, 4842-4848.	3.3	20
29	Cascade Cyclizations of Acyclic and Macrocyclic Alkynones: Studies toward the Synthesis of Phomactin A. Journal of Organic Chemistry, 2013, 78, 9541-9552.	3.2	25
30	Cycloaromatization Protocol for Synthesis of Polysubstituted Phenol Derivatives: Method Development and Mechanistic Studies. Journal of Organic Chemistry, 2012, 77, 7730-7736.	3.2	16
31	A Macrocyclic Î²-Iodoallenolate Intermediate Is Key: Synthesis of the ABD Core of Phomactin A. Organic Letters, 2012, 14, 4082-4085.	4.6	19
32	Experimental and Theoretical Studies on the Nazarov Cyclization/Wagnerâ€“Meerwein Rearrangement Sequence. Journal of the American Chemical Society, 2012, 134, 6296-6308.	13.7	70
33	Cyclization Cascades Initiated by 1,6-Conjugate Addition. Journal of the American Chemical Society, 2012, 134, 16551-16553.	13.7	19
34	Total Synthesis of (Â±)-Rocaglamide via Oxidation-Initiated Nazarov Cyclization. Journal of Organic Chemistry, 2012, 77, 1891-1908.	3.2	62
35	Divergent Reaction Pathways of a Cationic Intermediate: Rearrangement and Cyclization of 2-Substituted Furyl and Benzofuryl Enones Catalyzed by Iridium(III). Journal of the American Chemical Society, 2011, 133, 3300-3303.	13.7	35
36	Conjugate Addition-Initiated Nazarov Cyclization. Journal of the American Chemical Society, 2011, 133, 12454-12457.	13.7	32

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37	Understanding the Fate of the Oxyallyl Cation following Nazarov Electrocyclization: Sequential Wagnerâ"Meerwein Migrations and the Synthesis of Spirocyclic Cyclopentenones. Journal of the American Chemical Society, 2011, 133, 6307-6317.	13.7	83
38	Oxidation-Initiated Nazarov Cyclization of Vinyl Alkoxyallenes. Organic Letters, 2011, 13, 414-417.	4.6	58
39	Catalytic Nazarov Cyclization: The State of the Art. ChemCatChem, 2011, 3, 1531-1548.	3.7	273
40	Using Nazarov Electrocyclization to Stage Chemoselective [1,2]â€Migrations: Stereoselective Synthesis of Functionalized Cyclopentenones. Angewandte Chemie - International Edition, 2011, 50, 10981-10985.	13.8	55
41	Total Synthesis of Bryostatins: The Development of Methodology for the Atomâ€Economic and Stereoselective Synthesis of the Ring C Subunit. Chemistry - A European Journal, 2011, 17, 9762-9776.	3.3	13
42	A Highly Reactive Dicationic Iridium(III) Catalyst for the Polarized Nazarov Cyclization Reaction. Angewandte Chemie - International Edition, 2010, 49, 3363-3366.	13.8	62
43	Dicationic Palladium(II) Complexes as Active Lewis Acid Catalysts for Polarized Nazarov Cyclization. Organometallics, 2010, 29, 3341-3349.	2.3	22
44	Synthesis, Characterization, and Catalytic Properties of New Electrophilic Iridium(III) Complexes Containing the (R)-(+)-2,2â€²-Bis(diphenylphosphino)-1,1â€²-binaphthyl Ligand. Inorganic Chemistry, 2010, 49, 4331-4342.	4.0	22
45	A torquoselective extrusion of isoxazoline N-oxides. Application to the synthesis of aryl vinyl and divinyl ketones for Nazarov cyclization. Tetrahedron, 2009, 65, 3165-3179.	1.9	31
46	Formal Synthesis of (Â±)-Roseophilin. Organic Letters, 2009, 11, 49-52.	4.6	69
47	Î²-Iodoallenolates as Springboards for Annulation Reactions. Organic Letters, 2009, 11, 4374-4377.	4.6	35
48	Nazarov Cyclization Initiated by Peracid Oxidation: The Total Synthesis of (Â±)-Rocaglamide. Journal of the American Chemical Society, 2009, 131, 7560-7561.	13.7	123
49	Total Synthesis of (Â±)-Merrilactone A. Journal of the American Chemical Society, 2008, 130, 300-308.	13.7	135
50	Polarizing the Nazarov Cyclization:â€‰ The Impact of Dienone Substitution Pattern on Reactivity and Selectivity. Journal of the American Chemical Society, 2008, 130, 1003-1011.	13.7	154
51	Origins of Stereoselectivity in the Oxido-Alkylidenation of Alkynes. Organic Letters, 2008, 10, 4597-4600.	4.6	22
52	Stereoselective Synthesis of Pyrrolidine Derivatives via Reduction of Substituted Pyrroles. Organic Letters, 2007, 9, 4939-4942.	4.6	40
53	Development of a Nazarov Cyclization/Wagnerâ"Meerwein Rearrangement Sequence for the Stereoselective Synthesis of Spirocycles. Journal of the American Chemical Society, 2007, 129, 8060-8061.	13.7	85
54	Synthesis of a Ring-Expanded Bryostatin Analogue. Journal of the American Chemical Society, 2007, 129, 2206-2207.	13.7	100

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55	Total Synthesis of (Â±)-Merrilactone A via Catalytic Nazarov Cyclization. Journal of the American Chemical Society, 2007, 129, 498-499.	13.7	106
56	Palladium(II)- and mercury(II)-catalyzed rearrangements of propargyl acetates. Tetrahedron, 2007, 63, 10646-10656.	1.9	33
57	A General Method for the Catalytic Nazarov Cyclization of Heteroaromatic Compounds. Organic Letters, 2006, 8, 5661-5664.	4.6	129
58	Tandem Nazarov Cyclizationâ^'Michael Addition Sequence Catalyzed by an Ir(III) Complex. Journal of the American Chemical Society, 2006, 128, 5312-5313.	13.7	86
59	Preorganization in the Nazarov cyclization: the role of adjacent coordination sites in the highly Lewis acidic catalyst [IrMe(CO)(dppe)(DIB)](BAr4f)2. Tetrahedron, 2005, 61, 6193-6206.	1.9	37
60	The Nazarov cyclization in organic synthesis. Recent advances. Tetrahedron, 2005, 61, 7577-7606.	1.9	452
61	Dearomatization of Furans via [2,3]-Still?Wittig Rearrangement.. ChemInform, 2005, 36, no.	0.0	0
62	The Nazarov Cyclization in Organic Synthesis. Recent Advances. ChemInform, 2005, 36, no.	0.0	0
63	Polarizing the Nazarov Cyclization: Efficient Catalysis under Mild Conditions.. ChemInform, 2004, 35, no.	0.0	0
64	Dearomatization of furans via [2,3]-Stillâ€"Wittig rearrangement. Tetrahedron, 2004, 60, 10921-10926.	1.9	23
65	Efficient Catalysis of Nazarov Cyclization Using a Cationic Iridium Complex Possessing Adjacent Labile Coordination Sites. Journal of the American Chemical Society, 2004, 126, 6864-6865.	13.7	99
66	Polarizing the Nazarov Cyclization:Â Efficient Catalysis under Mild Conditions. Journal of the American Chemical Society, 2003, 125, 14278-14279.	13.7	176
67	Total Synthesis and Determination of the Absolute Configuration of Frondosin B. Journal of the American Chemical Society, 2001, 123, 1878-1889.	13.7	122
68	The Total Synthesis of Frondosin B. Angewandte Chemie - International Edition, 2000, 39, 761-764.	13.8	50
69	Atom Economical Syntheses of Oxygen Heterocycles via Tandem Palladium-Catalyzed Reactions. Journal of the American Chemical Society, 2000, 122, 11727-11728.	13.7	85
70	A Highly Stereoselective Total Synthesis of Hispidospermidin:Â Derivation of a Pharmacophore Model. Journal of the American Chemical Society, 2000, 122, 6151-6159.	13.7	31
71	A useful Î±, Î±â€² - annulation reaction of enamines. Tetrahedron, 1998, 54, 12721-12736.	1.9	36
72	A Potent, Orally Bioavailable Benzazepinone Growth Hormone Secretagogue. Journal of Medicinal Chemistry, 1998, 41, 1716-1728.	6.4	44

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73	Stereocontrolled Total Synthesis of Hispidospermidin. Journal of the American Chemical Society, 1997, 119, 6686-6687.	13.7	25
74	Benzolactam growth hormone secretagogues: Carboxamides as replacements for the 2â€²-tetrazole moiety of L-692,429. Bioorganic and Medicinal Chemistry Letters, 1994, 4, 2249-2254.	2.2	20