

# Alison J Frontier

## List of Publications by Year in descending order

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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	The Nazarov cyclization in organic synthesis. Recent advances. <i>Tetrahedron</i> , 2005, 61, 7577-7606.	1.9	452
2	Catalytic Nazarov Cyclization: The State of the Art. <i>ChemCatChem</i> , 2011, 3, 1531-1548.	3.7	273
3	Polarizing the Nazarov Cyclization: An Efficient Catalysis under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2003, 125, 14278-14279.	13.7	176
4	Beyond the Divinyl Ketone: Innovations in the Generation and Nazarov Cyclization of Pentadienyl Cation Intermediates. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3621-3633.	2.4	169
5	Polarizing the Nazarov Cyclization: The Impact of Dienone Substitution Pattern on Reactivity and Selectivity. <i>Journal of the American Chemical Society</i> , 2008, 130, 1003-1011.	13.7	154
6	Total Synthesis of (±)-Merrilactone A. <i>Journal of the American Chemical Society</i> , 2008, 130, 300-308.	13.7	135
7	A General Method for the Catalytic Nazarov Cyclization of Heteroaromatic Compounds. <i>Organic Letters</i> , 2006, 8, 5661-5664.	4.6	129
8	Nazarov Cyclization Initiated by Peracid Oxidation: The Total Synthesis of (±)-Rocaglamide. <i>Journal of the American Chemical Society</i> , 2009, 131, 7560-7561.	13.7	123
9	Total Synthesis and Determination of the Absolute Configuration of Fronodosin B. <i>Journal of the American Chemical Society</i> , 2001, 123, 1878-1889.	13.7	122
10	Total Synthesis of (±)-Merrilactone A via Catalytic Nazarov Cyclization. <i>Journal of the American Chemical Society</i> , 2007, 129, 498-499.	13.7	106
11	Synthesis of a Ring-Expanded Bryostatin Analogue. <i>Journal of the American Chemical Society</i> , 2007, 129, 2206-2207.	13.7	100
12	Efficient Catalysis of Nazarov Cyclization Using a Cationic Iridium Complex Possessing Adjacent Labile Coordination Sites. <i>Journal of the American Chemical Society</i> , 2004, 126, 6864-6865.	13.7	99
13	Tandem Nazarov Cyclization/ Michael Addition Sequence Catalyzed by an Ir(III) Complex. <i>Journal of the American Chemical Society</i> , 2006, 128, 5312-5313.	13.7	86
14	Atom Economical Syntheses of Oxygen Heterocycles via Tandem Palladium-Catalyzed Reactions. <i>Journal of the American Chemical Society</i> , 2000, 122, 11727-11728.	13.7	85
15	Development of a Nazarov Cyclization/Wagner/Meerwein Rearrangement Sequence for the Stereoselective Synthesis of Spirocycles. <i>Journal of the American Chemical Society</i> , 2007, 129, 8060-8061.	13.7	85
16	Understanding the Fate of the Oxyallyl Cation following Nazarov Electrocyclization: Sequential Wagner/Meerwein Migrations and the Synthesis of Spirocyclic Cyclopentenones. <i>Journal of the American Chemical Society</i> , 2011, 133, 6307-6317.	13.7	83
17	Experimental and Theoretical Studies on the Nazarov Cyclization/Wagner/Meerwein Rearrangement Sequence. <i>Journal of the American Chemical Society</i> , 2012, 134, 6296-6308.	13.7	70
18	Formal Synthesis of (±)-Roseophilin. <i>Organic Letters</i> , 2009, 11, 49-52.	4.6	69

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19	A Highly Reactive Dicationic Iridium(III) Catalyst for the Polarized Nazarov Cyclization Reaction. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3363-3366.	13.8	62
20	Total Synthesis of (±)-Rocaglamide via Oxidation-Initiated Nazarov Cyclization. <i>Journal of Organic Chemistry</i> , 2012, 77, 1891-1908.	3.2	62
21	Oxidation-Initiated Nazarov Cyclization of Vinyl Alkoxyallenes. <i>Organic Letters</i> , 2011, 13, 414-417.	4.6	58
22	Using Nazarov Electrocyclization to Stage Chemoselective [1,2]-Wittig Migrations: Stereoselective Synthesis of Functionalized Cyclopentenones. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10981-10985.	13.8	55
23	New Twists in Nazarov Cyclization Chemistry. <i>Accounts of Chemical Research</i> , 2020, 53, 1822-1832.	15.6	54
24	The Total Synthesis of Frondosin B. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 761-764.	13.8	50
25	Synthesis of (±)-Tetrapetalone...Me Aglycon. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9334-9338.	13.8	50
26	A Potent, Orally Bioavailable Benzazepinone Growth Hormone Secretagogue. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 1716-1728.	6.4	44
27	Cationic Cyclizations and Rearrangements Promoted by a Heterogeneous Gold Catalyst. <i>Organic Letters</i> , 2014, 16, 800-803.	4.6	44
28	Stereoselective Synthesis of Pyrrolidine Derivatives via Reduction of Substituted Pyrroles. <i>Organic Letters</i> , 2007, 9, 4939-4942.	4.6	40
29	Preorganization in the Nazarov cyclization: the role of adjacent coordination sites in the highly Lewis acidic catalyst [IrMe(CO)(dppe)(DIB)](BAR4f) <sub>2</sub> . <i>Tetrahedron</i> , 2005, 61, 6193-6206.	1.9	37
30	A useful 1,2-annulation reaction of enamines. <i>Tetrahedron</i> , 1998, 54, 12721-12736.	1.9	36
31	Cationic Cascade for Building Complex Polycyclic Molecules from Simple Precursors: Diastereoselective Installation of Three Contiguous Stereogenic Centers in a One-Pot Process. <i>Journal of the American Chemical Society</i> , 2019, 141, 118-122.	13.7	36
32	Tuning Mechanism through Buffer Dependence of Hydrogen Evolution Catalyzed by a Cobalt Mini-enzyme. <i>Biochemistry</i> , 2020, 59, 1289-1297.	2.5	36
33	Î²-Iodoallenolates as Springboards for Annulation Reactions. <i>Organic Letters</i> , 2009, 11, 4374-4377.	4.6	35
34	Divergent Reaction Pathways of a Cationic Intermediate: Rearrangement and Cyclization of 2-Substituted Furyl and Benzofuryl Enones Catalyzed by Iridium(III). <i>Journal of the American Chemical Society</i> , 2011, 133, 3300-3303.	13.7	35
35	Leveraging the <i>Halo</i> -Nazarov Cyclization for the Chemodivergent Assembly of Functionalized Haloindenes and Indanones. <i>Journal of the American Chemical Society</i> , 2019, 141, 5461-5469.	13.7	35
36	Palladium(II)- and mercury(II)-catalyzed rearrangements of propargyl acetates. <i>Tetrahedron</i> , 2007, 63, 10646-10656.	1.9	33

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37	Diastereoselective Construction of Densely Functionalized 1-Halocyclopentenes Using an Alkynyl Halo-Prins/Halo-Nazarov Cyclization Strategy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15030-15034.	13.8	33
38	Conjugate Addition-Initiated Nazarov Cyclization. <i>Journal of the American Chemical Society</i> , 2011, 133, 12454-12457.	13.7	32
39	A Highly Stereoselective Total Synthesis of Hispidospermidin: A Derivation of a Pharmacophore Model. <i>Journal of the American Chemical Society</i> , 2000, 122, 6151-6159.	13.7	31
40	A torquoselective extrusion of isoxazoline N-oxides. Application to the synthesis of aryl vinyl and divinyl ketones for Nazarov cyclization. <i>Tetrahedron</i> , 2009, 65, 3165-3179.	1.9	31
41	Reagent Control of [1,2]-Wagner-Meerwein Shift Chemoselectivity Following the Nazarov Cyclization: Application to the Total Synthesis of Enokipodin B. <i>Chemistry - A European Journal</i> , 2013, 19, 4835-4841.	3.3	27
42	Stereocontrolled Total Synthesis of Hispidospermidin. <i>Journal of the American Chemical Society</i> , 1997, 119, 6686-6687.	13.7	25
43	Cascade Cyclizations of Acyclic and Macrocyclic Alkynes: Studies toward the Synthesis of Phomactin A. <i>Journal of Organic Chemistry</i> , 2013, 78, 9541-9552.	3.2	25
44	No Acid Required: 4- and 6- Electrocyclization Reactions of Dienyl Diketones for the Synthesis of Cyclopentenones and 2-H-Pyrans. <i>Journal of Organic Chemistry</i> , 2014, 79, 10296-10302.	3.2	25
45	A synthetic small molecule stalls pre-mRNA splicing by promoting an early-stage U2AF2-RNA complex. <i>Cell Chemical Biology</i> , 2021, 28, 1145-1157.e6.	5.2	24
46	Dearomatization of furans via [2,3]-Still-Wittig rearrangement. <i>Tetrahedron</i> , 2004, 60, 10921-10926.	1.9	23
47	Origins of Stereoselectivity in the Oxido-Alkylidenation of Alkynes. <i>Organic Letters</i> , 2008, 10, 4597-4600.	4.6	22
48	Dicationic Palladium(II) Complexes as Active Lewis Acid Catalysts for Polarized Nazarov Cyclization. <i>Organometallics</i> , 2010, 29, 3341-3349.	2.3	22
49	Synthesis, Characterization, and Catalytic Properties of New Electrophilic Iridium(III) Complexes Containing the (R)-(+)-2,2-Bis(diphenylphosphino)-1,1'-binaphthyl Ligand. <i>Inorganic Chemistry</i> , 2010, 49, 4331-4342.	4.0	22
50	Alkynyl Prins and Alkynyl Aza-Prins Annulations: Scope and Synthetic Applications. <i>Synthesis</i> , 2020, 52, 1991-2007.	2.3	21
51	Benzolactam growth hormone secretagogues: Carboxamides as replacements for the 2-tetrazole moiety of L-692,429. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994, 4, 2249-2254.	2.2	20
52	Efficient Nazarov Cyclization/Wagner-Meerwein Rearrangement Terminated by a Cu <sup>II</sup> -Promoted Oxidation: Synthesis of 4-Alkylidene Cyclopentenones. <i>Chemistry - A European Journal</i> , 2013, 19, 4842-4848.	3.3	20
53	Enantioselective Nazarov cyclization catalyzed by a cinchona alkaloid derivative. <i>Tetrahedron Letters</i> , 2015, 56, 3523-3526.	1.4	20
54	A Macrocyclic Iodoallenolate Intermediate Is Key: Synthesis of the ABD Core of Phomactin A. <i>Organic Letters</i> , 2012, 14, 4082-4085.	4.6	19

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55	Cyclization Cascades Initiated by 1,6-Conjugate Addition. <i>Journal of the American Chemical Society</i> , 2012, 134, 16551-16553.	13.7	19
56	Nazarov Cyclization/Internal Redox Cyclization Sequence for the Synthesis of N-Heterocyclic Bridged Ring Systems. <i>Organic Letters</i> , 2016, 18, 4896-4899.	4.6	19
57	One-Pot Double-Annulation Strategy for the Synthesis of Unusual Fused Bis-Heterocycles. <i>Organic Letters</i> , 2020, 22, 4350-4354.	4.6	18
58	Synthesis of Spirocyclic Isoindolones Using an Alkynyl <i>aza</i> -Prins/Oxidative <i>halo</i> -Nazarov Cyclization Sequence. <i>Organic Letters</i> , 2021, 23, 1782-1786.	4.6	18
59	Gold(I)-Catalyzed Iodination of Arenes. <i>Synlett</i> , 2014, 25, 399-402.	1.8	17
60	Cycloaromatization Protocol for Synthesis of Polysubstituted Phenol Derivatives: Method Development and Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2012, 77, 7730-7736.	3.2	16
61	The Phomactin Natural Products from Isolation to Total Synthesis: A Review. <i>Organic Preparations and Procedures International</i> , 2014, 46, 214-251.	1.3	16
62	Gold(III) Chloride-Catalyzed <i>endo</i> - <i>trig</i> Oxa-Michael Addition Reactions for Diastereoselective Synthesis of Fused Tetrahydropyranones. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2077-2082.	4.3	15
63	Total Synthesis of Bryostatins: The Development of Methodology for the Atom-Economic and Stereoselective Synthesis of the Ring C Subunit. <i>Chemistry - A European Journal</i> , 2011, 17, 9762-9776.	3.3	13
64	Stereochemical Relay through a Cationic Intermediate: Helical Preorganization Dictates Direction of Conrotation in the <i>halo</i> -Nazarov Cyclization. <i>Organic Letters</i> , 2020, 22, 4010-4015.	4.6	12
65	Studies toward the AB ring system of the tetrapetalone natural products. <i>Tetrahedron</i> , 2015, 71, 5886-5896.	1.9	11
66	Noncanonical Cationic Cyclizations of Alkylidene $\beta$ -Ketoesters: Synthesis of Spiro-fused and Bridged Bicyclic Ring Systems. <i>Organic Letters</i> , 2019, 21, 2008-2012.	4.6	7
67	Diastereoselective Construction of Densely Functionalized $\alpha$ -Halocyclopentenes Using an Alkynyl Halo-Prins/Halo-Nazarov Cyclization Strategy. <i>Angewandte Chemie</i> , 2017, 129, 15226-15230.	2.0	6
68	Merging Strategy, Improvisation, and Conversation to Solve Problems in Target Synthesis. <i>Accounts of Chemical Research</i> , 2021, 54, 1817-1829.	15.6	6
69	Cyclization Strategies for the Concurrent Installation of Multiple Quaternary Stereogenic Centers. <i>Israel Journal of Chemistry</i> , 2021, 61, 469-485.	2.3	5
70	SYNTHESIS "SYNLETT Lecture: Toward the Asymmetric Synthesis of Tetrapetalone A: Preparation of an Enantioenriched Indane Intermediate and Strategy for Endgame Glycosylation. <i>Synthesis</i> , 2018, 50, 1238-1245.	2.3	4
71	"The Chemistry of Poisons": An Interdisciplinary Approach to Integrating Chemical, Toxicological, and Medicinal Principles. <i>Journal of Chemical Education</i> , 2020, 97, 3966-3975.	2.3	4
72	Polarizing the Nazarov Cyclization: Efficient Catalysis under Mild Conditions.. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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73	Dearomatization of Furans via [2,3]-Still?Wittig Rearrangement.. ChemInform, 2005, 36, no.	0.0	0
74	The Nazarov Cyclization in Organic Synthesis. Recent Advances. ChemInform, 2005, 36, no.	0.0	0