

# Alison J Frontier

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75  
papers

3,469  
citations

30  
h-index

57  
g-index

120  
ext. papers

3,779  
ext. citations

8.7  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
75	Merging Strategy, Improvisation, and Conversation to Solve Problems in Target Synthesis. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 1817-1829	24.3	1
74	Cyclization Strategies for the Concurrent Installation of Multiple Quaternary Stereogenic Centers. <i>Israel Journal of Chemistry</i> , <b>2021</b> , 61, 469-485	3.4	1
73	Synthesis of Spirocyclic Isoindolones Using an Alkynyl -Prins/Oxidative -Nazarov Cyclization Sequence. <i>Organic Letters</i> , <b>2021</b> , 23, 1782-1786	6.2	5
72	A synthetic small molecule stalls pre-mRNA splicing by promoting an early-stage U2AF2-RNA complex. <i>Cell Chemical Biology</i> , <b>2021</b> , 28, 1145-1157.e6	8.2	6
71	One-Pot Double-Annulation Strategy for the Synthesis of Unusual Fused Bis-Heterocycles. <i>Organic Letters</i> , <b>2020</b> , 22, 4350-4354	6.2	5
70	Tuning Mechanism through Buffer Dependence of Hydrogen Evolution Catalyzed by a Cobalt Mini-enzyme. <i>Biochemistry</i> , <b>2020</b> , 59, 1289-1297	3.2	22
69	Stereochemical Relay through a Cationic Intermediate: Helical Preorganization Dictates Direction of Conrotation in the -Nazarov Cyclization. <i>Organic Letters</i> , <b>2020</b> , 22, 4010-4015	6.2	4
68	Alkynyl Prins and Alkynyl Aza-Prins Annulations: Scope and Synthetic Applications. <i>Synthesis</i> , <b>2020</b> , 52, 1991-2007	2.9	10
67	New Twists in Nazarov Cyclization Chemistry. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 1822-1832	24.3	17
66	The Chemistry of Poisons—An Interdisciplinary Approach to Integrating Chemical, Toxicological, and Medicinal Principles. <i>Journal of Chemical Education</i> , <b>2020</b> , 97, 3966-3975	2.4	1
65	Leveraging the Halo-Nazarov Cyclization for the Chemodivergent Assembly of Functionalized Haloindenes and Indanones. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5461-5469	16.4	16
64	Noncanonical Cation-Cyclizations of Alkylidene $\alpha$ -Ketoesters: Synthesis of Spiro-fused and Bridged Bicyclic Ring Systems. <i>Organic Letters</i> , <b>2019</b> , 21, 2008-2012	6.2	5
63	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> , <b>2019</b> , 141, 118-122	16.4	19
62	SYNTHESISBYNLETT Lecture: Toward the Asymmetric Synthesis of Tetrapetalone A: Preparation of an Enantioenriched Indane Intermediate and Strategy for Endgame Glycosylation. <i>Synthesis</i> , <b>2018</b> , 50, 1238-1245	2.9	4
61	Diastereoselective Construction of Densely Functionalized 1-Halocyclopentenes Using an Alkynyl Halo-Prins/Halo-Nazarov Cyclization Strategy. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15226-15230	3.6	5
60	Diastereoselective Construction of Densely Functionalized 1-Halocyclopentenes Using an Alkynyl Halo-Prins/Halo-Nazarov Cyclization Strategy. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15030-15034	16.4	18
59	Nazarov Cyclization/Internal Redox Cyclization Sequence for the Synthesis of N-Heterocyclic Bridged Ring Systems. <i>Organic Letters</i> , <b>2016</b> , 18, 4896-4899	6.2	17

58	Studies toward the AB ring system of the tetrapetalone natural products. <i>Tetrahedron</i> , <b>2015</b> , 71, 5886-5896	8	8
57	Enantioselective Nazarov Cyclization Catalyzed by a Cinchona Alkaloid Derivative. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 3523-3526	2	15
56	No acid required: 4E and 6E electrocyclization reactions of dienyl diketones for the synthesis of cyclopentenones and 2H-Pyrans. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 10296-302	4.2	21
55	Synthesis of (E)-Tetrapetalone A-Me Aglycon. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9488-9492	3.6	17
54	Synthesis of (E)-tetrapetalone A-Me aglycon. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9334-86.4	8.6.4	45
53	The Phomactin Natural Products from Isolation to Total Synthesis: A Review. <i>Organic Preparations and Procedures International</i> , <b>2014</b> , 46, 214-251	1.1	13
52	Cationic cyclizations and rearrangements promoted by a heterogeneous gold catalyst. <i>Organic Letters</i> , <b>2014</b> , 16, 800-3	6.2	41
51	Gold(I)-Catalyzed Iodination of Arenes. <i>Synlett</i> , <b>2014</b> , 25, 399-402	2.2	12
50	Preparation of 5-Hydroxycyclopentenones Via Conjugate Addition-Initiated Nazarov Cyclization <b>2014</b> , 93-105		2
49	Gold (III) Chloride-Catalyzed 6-- Oxa-Michael Addition Reactions for Diastereoselective Synthesis of Fused Tetrahydropyranones. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 2077-2082	5.6	12
48	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> , <b>2013</b> , 19, 4835-41	4.8	26
47	Beyond the Divinyl Ketone: Innovations in the Generation and Nazarov Cyclization of Pentadienyl Cation Intermediates. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 3621	3.2	147
46	Efficient Nazarov cyclization/Wagner-Meerwein rearrangement terminated by a Cu(II)-promoted oxidation: synthesis of 4-alkylidene cyclopentenones. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 4842-8	4.8	18
45	Cascade cyclizations of acyclic and macrocyclic alkynones: studies toward the synthesis of phomactin A. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 9541-52	4.2	19
44	Cycloaromatization protocol for synthesis of polysubstituted phenol derivatives: method development and mechanistic studies. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 7730-6	4.2	13
43	A macrocyclic Edoallenolate intermediate is key: synthesis of the ABD core of phomactin A. <i>Organic Letters</i> , <b>2012</b> , 14, 4082-5	6.2	18
42	Experimental and theoretical studies on the Nazarov cyclization/Wagner-Meerwein rearrangement sequence. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 6296-308	16.4	65
41	Cyclization cascades initiated by 1,6-conjugate addition. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16551-3	16.4	13

40	Total synthesis of (E)-rocaglamide via oxidation-initiated Nazarov cyclization. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 1891-908	4.2	54
39	Conjugate addition-initiated Nazarov cyclization. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 12454-7	16.4	27
38	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> , <b>2011</b> , 133, 6307-17	16.4	78
37	Oxidation-initiated Nazarov cyclization of vinyl alkoxyallenes. <i>Organic Letters</i> , <b>2011</b> , 13, 414-7	6.2	50
36	Catalytic Nazarov Cyclization: The State of the Art. <i>ChemCatChem</i> , <b>2011</b> , 3, 1531-1548	5.2	238
35	Using Nazarov Electrocyclization to Stage Chemoselective [1,2]-Migrations: Stereoselective Synthesis of Functionalized Cyclopentenones. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11173-11177	3.6	19
34	Using Nazarov electrocyclization to stage chemoselective [1,2]-migrations: stereoselective synthesis of functionalized cyclopentenones. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 10981-5	16.4	52
33	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> , <b>2011</b> , 17, 9762-76	4.8	12
32	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> , <b>2011</b> , 133, 3300-3	16.4	33
31	Dicationic Palladium(II) Complexes as Active Lewis Acid Catalysts for Polarized Nazarov Cyclization. <i>Organometallics</i> , <b>2010</b> , 29, 3341-3349	3.8	20
30	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> , <b>2010</b> , 49, 4331-42	5.1	21
29	A highly reactive dicationic iridium(III) catalyst for the polarized Nazarov cyclization reaction. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3363-6	16.4	55
28	A Torquoselective Extrusion of Isoxazoline N-Oxides. Application to the Synthesis of Aryl Vinyl and Divinyl Ketones for Nazarov Cyclization. <i>Tetrahedron</i> , <b>2009</b> , 65, 3165-3179	2.4	28
27	Formal synthesis of (+/-)-roseophilin. <i>Organic Letters</i> , <b>2009</b> , 11, 49-52	6.2	66
26	Beta-iodoallenolates as springboards for annulation reactions. <i>Organic Letters</i> , <b>2009</b> , 11, 4374-7	6.2	30
25	Nazarov cyclization initiated by peracid oxidation: the total synthesis of (+/-)-rocaglamide. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7560-1	16.4	108
24	Total synthesis of (+/-)-merrilactone A. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 300-8	16.4	125
23	Polarizing the Nazarov cyclization: the impact of dienone substitution pattern on reactivity and selectivity. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1003-11	16.4	135

22	Origins of stereoselectivity in the oxido-alkylidenation of alkynes. <i>Organic Letters</i> , <b>2008</b> , 10, 4597-600	6.2	21
21	Development of a Nazarov cyclization/Wagner-Meerwein rearrangement sequence for the stereoselective synthesis of spirocycles. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8060-1	16.4	74
20	Synthesis of a ring-expanded bryostatin analogue. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 2206-7	16.4	96
19	Total synthesis of (+/-)-merrilactone A via catalytic Nazarov cyclization. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 498-9	16.4	99
18	Palladium(II)- and mercury(II)-catalyzed rearrangements of propargyl acetates. <i>Tetrahedron</i> , <b>2007</b> , 63, 10646-10656	2.4	31
17	Stereoselective synthesis of pyrrolidine derivatives via reduction of substituted pyrroles. <i>Organic Letters</i> , <b>2007</b> , 9, 4939-42	6.2	36
16	A general method for the catalytic nazarov cyclization of heteroaromatic compounds. <i>Organic Letters</i> , <b>2006</b> , 8, 5661-4	6.2	121
15	Tandem Nazarov cyclization-michael addition sequence catalyzed by an Ir(III) complex. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5312-3	16.4	79
14	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> , <b>2005</b> , 61, 6193-6206	2.4	34
13	The Nazarov cyclization in organic synthesis. Recent advances. <i>Tetrahedron</i> , <b>2005</b> , 61, 7577-7606	2.4	415
12	Dearomatization of furans via [2,3]-Still-Wittig rearrangement. <i>Tetrahedron</i> , <b>2004</b> , 60, 10921-10926	2.4	19
11	Efficient catalysis of Nazarov cyclization using a cationic iridium complex possessing adjacent labile coordination sites. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 6864-5	16.4	92
10	Polarizing the Nazarov cyclization: efficient catalysis under mild conditions. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14278-9	16.4	152
9	Total synthesis and determination of the absolute configuration of frondosin B. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 1878-89	16.4	112
8	The Total Synthesis of Frondosin B. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 761-764	16.4	46
7	Atom Economical Syntheses of Oxygen Heterocycles via Tandem Palladium-Catalyzed Reactions. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11727-11728	16.4	75
6	A Highly Stereoselective Total Synthesis of Hispidospermidin: Derivation of a Pharmacophore Model. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 6151-6159	16.4	24
5	A useful $\beta$ , $\beta'$ - annulation reaction of enamines. <i>Tetrahedron</i> , <b>1998</b> , 54, 12721-12736	2.4	27

4	A potent, orally bioavailable benzazepinone growth hormone secretagogue. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 1716-28	8.3	43
3	Stereocontrolled Total Synthesis of Hispidospermidin. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 6686-6687	16.4	23
2	Design and Synthesis of Potent Macrocyclic Benzolactam Growth Hormone Secretagogues. <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 1244-1259	2	10
1	Benzolactam growth hormone secretagogues: Carboxamides as replacements for the 2?-tetrazole moiety of L-692,429. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1994</b> , 4, 2249-2254	2.9	20