

# Stefan A France

## List of Publications by Year in descending order

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72  
papers

3,545  
citations

218381

26  
h-index

133063

59  
g-index

97  
all docs

97  
docs citations

97  
times ranked

3189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intramolecular donor-acceptor cyclopropane ring-opening cyclizations. <i>Chemical Society Reviews</i> , 2014, 43, 804-818.	18.7	636
2	Nucleophilic Chiral Amines as Catalysts in Asymmetric Synthesis. <i>Chemical Reviews</i> , 2003, 103, 2985-3012.	23.0	481
3	Advances in the Catalytic, Asymmetric Synthesis of $\beta^2$ -Lactams. <i>Accounts of Chemical Research</i> , 2004, 37, 592-600.	7.6	208
4	Bifunctional Lewis Acid-Nucleophile-Based Asymmetric Catalysis: Mechanistic Evidence for Imine Activation Working in Tandem with Chiral Enolate Formation in the Synthesis of $\beta^2$ -Lactams. <i>Journal of the American Chemical Society</i> , 2005, 127, 1206-1215.	6.6	186
5	A Synthetic 7,8-Dihydroxyflavone Derivative Promotes Neurogenesis and Exhibits Potent Antidepressant Effect. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 8274-8286.	2.9	182
6	Recent Developments in Catalytic, Asymmetric $\beta^2$ -Halogenation: A New Frontier in Asymmetric Catalysis. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 475-479.	1.2	121
7	Catalytic, Asymmetric $\beta^2$ -Chlorination of Acid Halides. <i>Journal of the American Chemical Society</i> , 2004, 126, 4245-4255.	6.6	120
8	Bifunctional Asymmetric Catalysis: A Tandem Nucleophile/Lewis Acid Promoted Synthesis of $\beta^2$ -Lactams. <i>Organic Letters</i> , 2002, 4, 1603-1605.	2.4	109
9	Functionalized 4-Carboxy- and 4-Keto-2,3-dihydropyrroles via Ni(II)-Catalyzed Nucleophilic Amine Ring-Opening Cyclizations of Cyclopropanes. <i>Journal of Organic Chemistry</i> , 2014, 79, 3030-3039.	1.7	95
10	Deoxygedunin, a Natural Product with Potent Neurotrophic Activity in Mice. <i>PLoS ONE</i> , 2010, 5, e11528.	1.1	87
11	Generation of Ketenes from Acid Chlorides Using NaH/Crown Ether Shuttle-Deprotonation for Use in Asymmetric Catalysis. <i>Organic Letters</i> , 2002, 4, 627-629.	2.4	72
12	A Catalytic Diastereoselective Formal [5+2] Cycloaddition Approach to Azepino[1,2-a]indoles: Putative Donor-Acceptor Cyclobutanes as Reactive Intermediates. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13907-13911.	7.2	70
13	An efficient synthesis of hydropyrido[1,2-a]indole-6(7H)-ones via an In(III)-catalyzed tandem cyclopropane ring-opening/Friedel-Crafts alkylation sequence. <i>Chemical Communications</i> , 2011, 47, 10278.	2.2	66
14	Performing the Synthesis of a Complex Molecule on Sequentially Linked Columns: Toward the Development of a "Synthesis Machine". <i>Organic Letters</i> , 2005, 7, 3009-3012.	2.4	62
15	A Catalytic Homo-Nazarov Cyclization Protocol for the Synthesis of Heteroaromatic Ring-Fused Cyclohexanones. <i>Organic Letters</i> , 2011, 13, 1952-1955.	2.4	52
16	A dipolar cycloaddition approach toward the kopsifoline alkaloid framework. <i>Tetrahedron</i> , 2007, 63, 5962-5976.	1.0	51
17	A column-based "flush and flow" system for the asymmetric $\beta^2$ -chlorination of acid halides. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3481-3483.	1.8	50
18	Cycloaddition Protocol for the Assembly of the Hexacyclic Framework Associated with the Kopsifoline Alkaloids. <i>Organic Letters</i> , 2006, 8, 5141-5144.	2.4	48

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19	Indium-Catalyzed Cycloisomerizations of Cyclopropene-3,3-Dicarbonyl Compounds: Efficient Access to Benzo-Fused Heteroaromatics and Heterobiaryls. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3198-3202.	7.2	45
20	Indium-Catalyzed Homo-Nazarov Cyclizations of Alkenyl Cyclopropyl Ketones. <i>Organic Letters</i> , 2010, 12, 5684-5687.	2.4	44
21	Diastereoselective Intramolecular Friedel-Crafts Cyclizations of Substituted Methyl 2-(1 <i>H</i> -indole-1-carbonyl)acrylates: Efficient Access to Functionalized 1 <i>H</i> -Pyrrolo[1,2- <i>a</i> ]indoles. <i>Organic Letters</i> , 2011, 13, 5820-5823.	2.4	40
22	Scalable Methodology for the Catalytic, Asymmetric $\hat{\iota}$ -Bromination of Acid Chlorides. <i>Journal of Organic Chemistry</i> , 2006, 71, 8946-8949.	1.7	35
23	Development of a New Dimeric Cyclophane Ligand: Application to Enhanced Diastereo- and Enantioselectivity in the Catalytic Synthesis of $\hat{\iota}$ -Lactams. <i>Journal of Organic Chemistry</i> , 2004, 69, 4531-4533.	1.7	31
24	Identification of a Molecular Activator for Insulin Receptor with Potent Anti-diabetic Effects. <i>Journal of Biological Chemistry</i> , 2011, 286, 37379-37388.	1.6	30
25	Catalysis and Chemodivergence in the Interrupted, Formal Homo-Nazarov Cyclization Using Allylsilanes. <i>Organic Letters</i> , 2014, 16, 6468-6471.	2.4	29
26	The Catalytic, Formal Homo-Nazarov Cyclization as a Template for Diversity-Oriented Synthesis. <i>Israel Journal of Chemistry</i> , 2016, 56, 499-511.	1.0	29
27	A Mechanistic Study on the Catalytic, Asymmetric $\hat{\iota}$ -Bromination of Acid Chlorides. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1091-1100.	1.2	28
28	Calcium-Catalyzed Formal [5 + 2] Cycloadditions of Alkylidene $\hat{\iota}$ -Ketoesters with Olefins: Chemodivergent Synthesis of Highly Functionalized Cyclohepta[ <i>b</i> ]indole Derivatives. <i>Organic Letters</i> , 2019, 21, 7268-7273.	2.4	27
29	Photodesulfonylation of indoles initiated by electron transfer from triethylamine. <i>Tetrahedron Letters</i> , 2006, 47, 2409-2412.	0.7	26
30	Calcium-Catalyzed, Dehydrative, Ring-Opening Cyclizations of Cyclopropyl Carbinols Derived from Donor-Acceptor Cyclopropanes. <i>Organic Letters</i> , 2016, 18, 4218-4221.	2.4	25
31	Catalytic, Formal Homo-Nazarov-Type Cyclizations of Alkylidene Cyclopropane-1,1-Ketoesters: Access to Functionalized Arenes and Heteroaromatics. <i>Organic Letters</i> , 2014, 16, 3788-3791.	2.4	23
32	Predictive Model for the [Rh <sub>2</sub> (esp) <sub>2</sub> ]-Catalyzed Intermolecular C(sp <sup>3</sup> )-H Bond Insertion of $\hat{\iota}$ -Carbonyl Ester Carbenes: Interplay between Theory and Experiment. <i>ACS Catalysis</i> , 2019, 9, 4526-4538.	5.5	23
33	Cycloaddition Across the Benzofuran Ring as an Approach to the Morphine Alkaloids. <i>Journal of Organic Chemistry</i> , 2008, 73, 8120-8123.	1.7	22
34	Bromophycolide...A Targets Heme Crystallization in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>ChemMedChem</i> , 2011, 6, 1572-1577.	1.6	21
35	A general intramolecular Friedel-Crafts approach to functionalized pyrrolo[3,2,1- <i>ij</i> ]quinolin-4-ones. <i>Chemical Communications</i> , 2012, 48, 10337.	2.2	21
36	Novel heat transfer fluids for direct immersion phase change cooling of electronic systems. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 3379-3385.	2.5	21

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37	Catalytic, Interrupted Formal Homo-Nazarov Cyclization with (Hetero)arenes: Access to $\hat{\pm}$ -(Hetero)aryl Cyclohexanones. <i>Journal of Organic Chemistry</i> , 2016, 81, 8253-8267.	1.7	20
38	Synthesis and Hydrolysis of Atmospherically Relevant Monoterpene-Derived Organic Nitrates. <i>Environmental Science &amp; Technology</i> , 2021, 55, 14595-14606.	4.6	20
39	Diastereoselective Synthesis of ( $\hat{\pm}$ )-Deethyleburnamonine Using a Catalytic Cyclopropane Ring-Opening / Friedel-Crafts Alkylation Strategy. <i>Heterocycles</i> , 2012, 84, 1363.	0.4	19
40	Aluminum(III)-Catalyzed, Formal Homo-Nazarov-Type Ring-Opening Cyclizations toward the Synthesis of Functionalized Tetrahydroindolizines. <i>Synthesis</i> , 2016, 48, 1910-1919.	1.2	16
41	Ligands for Glaucoma-Associated Myocilin Discovered by a Generic Binding Assay. <i>ACS Chemical Biology</i> , 2014, 9, 517-525.	1.6	15
42	A Tandem, Bimetallic Continuous Flow Cyclopropanation-Homo-Nazarov-Type Cyclization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 9550-9558.	1.8	15
43	Chiral disulfonimides: a versatile template for asymmetric catalysis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7485-7513.	1.5	15
44	Cycloaddition studies directed toward the strychnos alkaloid minfiensine. <i>Tetrahedron Letters</i> , 2009, 50, 3145-3147.	0.7	14
45	Enantio- and Diastereoselective Rh(II)-Catalyzed 1,3-Dipolar Cycloadditions of Carbonyl Ylides and their Recent Applications in Complex Molecule Synthesis. <i>Current Organic Synthesis</i> , 2010, 7, 332-347.	0.7	14
46	Catalytic, Cascade Ring-Opening Benzannulations of 2,3-Dihydrofuran $\hat{\pm}$ -Acetals and $\hat{\pm}$ -N-Acetals. <i>Chemistry - A European Journal</i> , 2016, 22, 10405-10409.	1.7	14
47	IMDAF Cascade Approach toward the Synthesis of the Alkaloid ( $\hat{\pm}$ )-Minfiensine. <i>Journal of Organic Chemistry</i> , 2016, 81, 10193-10203.	1.7	13
48	Dehydrative Nazarov-type electrocyclizations of alkenyl (hetero)aryl carbinols via calcium catalysis: Access to cyclopenta[b]thiophenes and indene derivatives. <i>Tetrahedron</i> , 2017, 73, 4093-4108.	1.0	13
49	Conversion of Unprotected Aldose Sugars to Polyhydroxyalkyl and $\hat{\pm}$ -Glycosyl Furans via Zirconium Catalysis. <i>Journal of Organic Chemistry</i> , 2020, 85, 15337-15346.	1.7	13
50	Mixing order of sulfate aerosols and isoprene epoxydiols affects secondary organic aerosol formation in chamber experiments. <i>Atmospheric Environment</i> , 2019, 217, 116953.	1.9	12
51	Modulation and Tuning of UiO-66 for Lewis Acid Catalyzed Carbohydrate Conversion: Conversion of Unprotected Aldose Sugars to Polyhydroxyalkyl and $\hat{\pm}$ -Glycosyl Furans. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11581-11595.	3.2	12
52	Synthesis of Flubromazepam Positional Isomers for Forensic Analysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 10280-10291.	1.7	11
53	Rh <sup>II</sup> -Catalyzed $\hat{\pm}$ -(sp <sup>2</sup> ) <sup>H</sup> Alkylation of Enol Ethers, Enamides and Encarbamates with $\hat{\pm}$ -Diazo Dicarbonyl Compounds. <i>Chemistry - A European Journal</i> , 2017, 23, 1129-1135.	1.7	9
54	Catalyst-Controlled Chemodivergent Reactions of 2-Pyrrolyl- $\hat{\pm}$ -diazo- $\hat{\pm}$ -ketoesters and Enol Ethers: Synthesis of 1,2-Dihydrofuran Acetals and Highly Substituted Indoles. <i>Journal of Organic Chemistry</i> , 2021, 86, 10088-10104.	1.7	7

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55	Base-Mediated Cascade Aldol Addition and Fragmentation Reactions of Dihydroxyfumaric Acid and Aromatic Aldehydes: Controlling Chemodivergence via Choice of Base, Solvent, and Substituents. <i>Journal of Organic Chemistry</i> , 2018, 83, 14219-14233.	1.7	6
56	Acid-Catalyzed Ring-Opening Isomerizations of Cyclopropenes. <i>Synlett</i> , 2012, 23, 2723-2728.	1.0	5
57	$\hat{\text{I}}^{\pm}$ -Alkylidene- $\hat{\text{I}}^3$ -butyrolactone Formation via Bi(OTf) <sub>3</sub> -Catalyzed, Dehydrative, Ring-Opening Cyclizations of Cyclopropyl Carbinols: Understanding Substituent Effects and Predicting E/Z Selectivity. <i>Journal of Organic Chemistry</i> , 2017, 82, 10883-10897.	1.7	5
58	Elucidation of a Sequential Iminium Ion Cascade Reaction Triggered by a Silica Gel-Promoted Aza-Peterson Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 15660-15666.	1.7	4
59	Rhodium Carbenoid Induced Cycloadditions of Diazo Ketoimides Across Indolyl $\hat{\text{I}}^{\ominus}$ -Bonds. <i>Synlett</i> , 2007, 2007, 0775-0779.	1.0	3
60	Synthetic methodology-enabled discovery of a tunable indole template for COX-1 inhibition and anti-cancer activity. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 57, 116633.	1.4	2
61	Selective Conversion of Malononitrile and Unprotected Carbohydrates to Bicyclic Polyhydroxyalkyl Dihydrofurans Using Magnesium Oxide as a Recyclable Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5966-5975.	3.2	2
62	Bicarbonate Salts as Cost-Effective Bases for the Synthesis of Ketenes and Their Synthetic Equivalents Applied to the Asymmetric Synthesis of $\hat{\text{I}}^2$ -Lactams. <i>Synlett</i> , 2003, 2003, 1937-1939.	1.0	1
63	Identification of a molecular activator for insulin receptor with potent anti-diabetic effects.. <i>Journal of Biological Chemistry</i> , 2012, 287, 13050.	1.6	1
64	Efforts towards Rh(II)-catalyzed N-alkoxyazomethine ylide generation: Disparate reactivities of O-tethered $\hat{\text{I}}^{\pm}$ -diazo keto and $\hat{\text{I}}^2$ -ketoester oximes. <i>Tetrahedron</i> , 2020, 76, 131501.	1.0	1
65	Preparation of 2-diazo-2-oxopiperidin-3-yl-3-oxopropanoates. Useful reagents for Rh(II)-catalyzed cyclization-cycloaddition chemistry. <i>Arkivoc</i> , 2007, 2007, 125-138.	0.3	1
66	Nucleophilic Chiral Amines as Catalysts in Asymmetric Synthesis. <i>ChemInform</i> , 2003, 34, no.	0.1	0
67	Catalytic, Asymmetric $\hat{\text{I}}^{\pm}$ -Chlorination of Acid Halides.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
68	Development of a New Dimeric Cyclophane Ligand: Application to Enhanced Diastereo- and Enantioselectivity in the Catalytic Synthesis of $\hat{\text{I}}^2$ -Lactams.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
69	Advances in the Catalytic, Asymmetric Synthesis of $\hat{\text{I}}^2$ -Lactams. <i>ChemInform</i> , 2004, 35, no.	0.1	0
70	Recent Developments in Catalytic, Asymmetric $\hat{\text{I}}^2$ -Halogenation: A New Frontier in Asymmetric Catalysis. <i>ChemInform</i> , 2005, 36, no.	0.1	0
71	Rh(II)-catalyzed Intermolecular Benzylic C(sp <sup>3</sup> )-H Alkylation of Methyl-substituted Arenes by N-aryl- $\hat{\text{I}}^{\pm}$ -diazo- $\hat{\text{I}}^2$ -amidoesters. <i>ChemCatChem</i> , 0, , .	1.8	0
72	Completion of the Set: Synthesis of the (6, $\hat{\text{I}}^2$ )-Flubromazepam Positional Isomers as Standards for Forensic Analysis. <i>Journal of Organic Chemistry</i> , 2022, 87, 813-822.	1.7	0