Stefan A France

List of Publications by Year
in descending order

72 papers	3,545 citations	218677 26 h-index	133252 59 g-index
97 all docs	97 docs citations	97 times ranked	3189 citing authors

#	Article	IF	Citations
1	Intramolecular donorâ€“acceptor cyclopropane ring-opening cyclizations. Chemical Society Reviews, 2014, 43, 804-818.	38.1	636
2	Nucleophilic Chiral Amines as Catalysts in Asymmetric Synthesis. Chemical Reviews, 2003, 103, 2985-3012.	47.7	481
3	Advances in the Catalytic, Asymmetric Synthesis of Î²-Lactams. Accounts of Chemical Research, 2004, 37, 592-600.	15.6	208
4	Bifunctional Lewis Acid-Nucleophile-Based Asymmetric Catalysis:â€‰ Mechanistic Evidence for Imine Activation Working in Tandem with Chiral Enolate Formation in the Synthesis of Î²-Lactams. Journal of the American Chemical Society, 2005, 127, 1206-1215.	13.7	186
5	A Synthetic 7,8-Dihydroxyflavone Derivative Promotes Neurogenesis and Exhibits Potent Antidepressant Effect. Journal of Medicinal Chemistry, 2010, 53, 8274-8286.	6.4	182
6	Recent Developments in Catalytic, Asymmetric Î±â€Halogenation: A New Frontier in Asymmetric Catalysis. European Journal of Organic Chemistry, 2005, 2005, 475-479.	2.4	121
7	Catalytic, Asymmetric Î±-Chlorination of Acid Halides. Journal of the American Chemical Society, 2004, 126, 4245-4255.	13.7	120
8	Bifunctional Asymmetric Catalysis:â€‰ A Tandem Nucleophile/Lewis Acid Promoted Synthesis of Î²-Lactams. Organic Letters, 2002, 4, 1603-1605.	4.6	109
9	Functionalized 4-Carboxy- and 4-Keto-2,3-dihydropyrroles via Ni(II)-Catalyzed Nucleophilic Amine Ring-Opening Cyclizations of Cyclopropanes. Journal of Organic Chemistry, 2014, 79, 3030-3039.	3.2	95
10	Deoxygedunin, a Natural Product with Potent Neurotrophic Activity in Mice. PLoS ONE, 2010, 5, e11528.	2.5	87
11	Generation of Ketenes from Acid Chlorides Using NaH/Crown Ether Shuttle-Deprotonation for Use in Asymmetric Catalysis. Organic Letters, 2002, 4, 627-629.	4.6	72
12	A Catalytic Diastereoselective Formal [5+2] Cycloaddition Approach to Azepino[1,2â€‹<i>a</i>]indoles: Putative Donorâ€“Acceptor Cyclobutanes as Reactive Intermediates. Angewandte Chemie - International Edition, 2014, 53, 13907-13911.	13.8	70
13	An efficient synthesis of hydropyrido[1,2-a]indole-6(7H)-ones via an In(iii)-catalyzed tandem cyclopropane ring-opening/Friedelâ€“Crafts alkylation sequence. Chemical Communications, 2011, 47, 10278.	4.1	66
14	Performing the Synthesis of a Complex Molecule on Sequentially Linked Columns:â€‰ Toward the Development of a â€œSynthesis Machineâ€ Organic Letters, 2005, 7, 3009-3012.	4.6	62
15	A Catalytic Homo-Nazarov Cyclization Protocol for the Synthesis of Heteroaromatic Ring-Fused Cyclohexanones. Organic Letters, 2011, 13, 1952-1955.	4.6	52
16	A dipolar cycloaddition approach toward the kopsifoline alkaloid framework. Tetrahedron, 2007, 63, 5962-5976.	1.9	51
17	A column-based â€˜flush and flowâ€™ system for the asymmetric Î±-chlorination of acid halides. Tetrahedron: Asymmetry, 2005, 16, 3481-3483.	1.8	50
18	Cycloaddition Protocol for the Assembly of the Hexacyclic Framework Associated with the Kopsifoline Alkaloids. Organic Letters, 2006, 8, 5141-5144.	4.6	48

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19	Indiumâ€Catalyzed Cycloisomerizations of Cyclopropeneâ€3,3â€Dicarbonyl Compounds: Efficient Access to Benzoâ€Fused Heteroaromatics and Heterobiaryls. Angewandte Chemie - International Edition, 2012, 51, 3198-3202.	13.8	45
20	Indium-Catalyzed Homo-Nazarov Cyclizations of Alkenyl Cyclopropyl Ketones. Organic Letters, 2010, 12, 5684-5687.	4.6	44
21	Diastereoselective Intramolecular Friedelâ€“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. Organic Letters, 2011, 13, 5820-5823.	4.6	40
22	Scalable Methodology for the Catalytic, Asymmetric Î±-Bromination of Acid Chlorides. Journal of Organic Chemistry, 2006, 71, 8946-8949.	3.2	35
23	Development of a New Dimeric Cyclophane Ligand:Â Application to Enhanced Diastereo- and Enantioselectivity in the Catalytic Synthesis of Î²-Lactams. Journal of Organic Chemistry, 2004, 69, 4531-4533.	3.2	31
24	Identification of a Molecular Activator for Insulin Receptor with Potent Anti-diabetic Effects. Journal of Biological Chemistry, 2011, 286, 37379-37388.	3.4	30
25	Catalysis and Chemodivergence in the Interrupted, Formal Homo-Nazarov Cyclization Using Allylsilanes. Organic Letters, 2014, 16, 6468-6471.	4.6	29
26	The Catalytic, Formal Homoâ€Nazarov Cyclization as a Template for Diversityâ€Oriented Synthesis. Israel Journal of Chemistry, 2016, 56, 499-511.	2.3	29
27	A Mechanistic Study on the Catalytic, Asymmetric Î±-Bromination of Acid Chlorides. European Journal of Organic Chemistry, 2007, 2007, 1091-1100.	2.4	28
28	Calcium-Catalyzed Formal [5 + 2] Cycloadditions of Alkylidene Î²-Ketoesters with Olefins: Chemodivergent Synthesis of Highly Functionalized Cyclohepta[<i>b</i>]indole Derivatives. Organic Letters, 2019, 21, 7268-7273.	4.6	27
29	Photodesulfonylation of indoles initiated by electron transfer from triethylamine. Tetrahedron Letters, 2006, 47, 2409-2412.	1.4	26
30	Calcium-Catalyzed, Dehydrative, Ring-Opening Cyclizations of Cyclopropyl Carbinols Derived from Donorâ€“Acceptor Cyclopropanes. Organic Letters, 2016, 18, 4218-4221.	4.6	25
31	Catalytic, Formal Homo-Nazarov-Type Cyclizations of Alkylidene Cyclopropane-1,1-Ketoesters: Access to Functionalized Arenes and Heteroaromatics. Organic Letters, 2014, 16, 3788-3791.	4.6	23
32	Predictive Model for the [Rh₂(esp)₂]-Catalyzed Intermolecular C(sp³)â€“H Bond Insertion of Î²-Carbonyl Ester Carbenes: Interplay between Theory and Experiment. ACS Catalysis, 2019, 9, 4526-4538.	11.2	23
33	Cycloaddition Across the Benzofuran Ring as an Approach to the Morphine Alkaloids. Journal of Organic Chemistry, 2008, 73, 8120-8123.	3.2	22
34	Bromophycolideâ€…A Targets Heme Crystallization in the Human Malaria Parasite <i>Plasmodium falciparum</i>. ChemMedChem, 2011, 6, 1572-1577.	3.2	21
35	A general intramolecular Friedelâ€“Crafts approach to functionalized pyrrolo[3,2,1-ij]quinolin-4-ones. Chemical Communications, 2012, 48, 10337.	4.1	21
36	Novel heat transfer fluids for direct immersion phase change cooling of electronic systems. International Journal of Heat and Mass Transfer, 2012, 55, 3379-3385.	4.8	21

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37	Catalytic, Interrupted Formal Homo-Nazarov Cyclization with (Hetero)arenes: Access to Î±-(Hetero)aryl Cyclohexanones. Journal of Organic Chemistry, 2016, 81, 8253-8267.	3.2	20
38	Synthesis and Hydrolysis of Atmospherically Relevant Monoterpene-Derived Organic Nitrates. Environmental Science & Technology, 2021, 55, 14595-14606.	10.0	20
39	Diastereoselective Synthesis of (Â±)-Deethyleburnamonine Using a Catalytic Cyclopropane Ring-Opening / Friedel-Crafts Alkylation Strategy. Heterocycles, 2012, 84, 1363.	0.7	19
40	Aluminum(III)-Catalyzed, Formal Homo-Nazarov-Type Ring-Opening Cyclizations toward the Synthesis of Functionalized Tetrahydroindolizines. Synthesis, 2016, 48, 1910-1919.	2.3	16
41	Ligands for Glaucoma-Associated Myocilin Discovered by a Generic Binding Assay. ACS Chemical Biology, 2014, 9, 517-525.	3.4	15
42	A Tandem, Bicatalytic Continuous Flow Cyclopropanation-Homo-Nazarov-Type Cyclization. Industrial & Engineering Chemistry Research, 2015, 54, 9550-9558.	3.7	15
43	Chiral disulfonimides: a versatile template for asymmetric catalysis. Organic and Biomolecular Chemistry, 2020, 18, 7485-7513.	2.8	15
44	Cycloaddition studies directed toward the strychnos alkaloid minfiensine. Tetrahedron Letters, 2009, 50, 3145-3147.	1.4	14
45	Enantio- and Diastereoselective Rh(II)-Catalyzed 1,3-Dipolar Cycloadditions of Carbonyl Ylides and their Recent Applications in Complex Molecule Synthesis. Current Organic Synthesis, 2010, 7, 332-347.	1.3	14
46	Catalytic, Cascade Ringâ€Opening Benzannulations of 2,3â€Dihydrofuran <i>O</i>,<i>O</i>â€•and <i>N</i>,<i>O</i>â€Acetals. Chemistry - A European Journal, 2016, 22, 10405-10409.	3.3	14
47	IMDAF Cascade Approach toward the Synthesis of the Alkaloid (Â±)-Minfiensine. Journal of Organic Chemistry, 2016, 81, 10193-10203.	3.2	13
48	Dehydrative Nazarov-type electrocyclizations of alkenyl (hetero)aryl carbinols via calcium catalysis: Access to cyclopenta[b]thiophenes and indene derivatives. Tetrahedron, 2017, 73, 4093-4108.	1.9	13
49	Conversion of Unprotected Aldose Sugars to Polyhydroxyalkyl and <i>C</i>-Glycosyl Furans via Zirconium Catalysis. Journal of Organic Chemistry, 2020, 85, 15337-15346.	3.2	13
50	Mixing order of sulfate aerosols and isoprene epoxydiols affects secondary organic aerosol formation in chamber experiments. Atmospheric Environment, 2019, 217, 116953.	4.1	12
51	Modulation and Tuning of UiO-66 for Lewis Acid Catalyzed Carbohydrate Conversion: Conversion of Unprotected Aldose Sugars to Polyhydroxyalkyl and <i>C</i>-Glycosyl Furans. ACS Sustainable Chemistry and Engineering, 2021, 9, 11581-11595.	6.7	12
52	Synthesis of Flubromazepam Positional Isomers for Forensic Analysis. Journal of Organic Chemistry, 2019, 84, 10280-10291.	3.2	11
53	Rh^{II}â€Catalyzed Î²â€C(sp²)âˆ'H Alkylation of Enol Ethers, Enamides and Enecarbamates with Î±â€Diazo Dicarbonyl Compounds. Chemistry - A European Journal, 2017, 23, 1129-1135.	3.3	9
54	Catalyst-Controlled Chemodivergent Reactions of 2-Pyrrolyl-Î±-diazo-Î²-ketoesters and Enol Ethers: Synthesis of 1,2-Dihydrofuran Acetals and Highly Substituted Indoles. Journal of Organic Chemistry, 2021, 86, 10088-10104.	3.2	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. Journal of Organic Chemistry, 2018, 83, 14219-14233.	3.2	6
56	Acid-Catalyzed Ring-Opening Isomerizations of Cyclopropenes. Synlett, 2012, 23, 2723-2728.	1.8	5
57	Î±-Alkylidene-Î³-butyrolactone Formation via Bi(OTf)3-Catalyzed, Dehydrative, Ring-Opening Cyclizations of Cyclopropyl Carbinols: Understanding Substituent Effects and Predicting E/Z Selectivity. Journal of Organic Chemistry, 2017, 82, 10883-10897.	3.2	5
58	Elucidation of a Sequential Iminium Ion Cascade Reaction Triggered by a Silica Gel-Promoted Aza-Peterson Reaction. Journal of Organic Chemistry, 2020, 85, 15660-15666.	3.2	4
59	Rhodium Carbenoid Induced Cycloadditions of Diazo Ketoimides Across Indolyl Ï€-Bonds. Synlett, 2007, 2007, 0775-0779.	1.8	3
60	Synthetic methodology-enabled discovery of a tunable indole template for COX-1 inhibition and anti-cancer activity. Bioorganic and Medicinal Chemistry, 2022, 57, 116633.	3.0	2
61	Selective Conversion of Malononitrile and Unprotected Carbohydrates to Bicyclic Polyhydroxyalkyl Dihydrofurans Using Magnesium Oxide as a Recyclable Catalyst. ACS Sustainable Chemistry and Engineering, 2022, 10, 5966-5975.	6.7	2
62	Bicarbonate Salts as Cost-Effective Bases for the Synthesis of Ketenes and Their Synthetic Equivalents Applied to the Asymmetric Synthesis of Î²-Lactams. Synlett, 2003, 2003, 1937-1939.	1.8	1
63	Identification of a molecular activator for insulin receptor with potent anti-diabetic effects.. Journal of Biological Chemistry, 2012, 287, 13050.	3.4	1
64	Efforts towards Rh(II)-catalyzed N-alkoxyazomethine ylide generation: Disparate reactivities of O-tethered Î±-diazo keto and -Î²-ketoester oximes. Tetrahedron, 2020, 76, 131501.	1.9	1
65	Preparation of 2-diazo-2-oxopiperidin-3-yl-3-oxopropanoates. Useful reagents for Rh(II)-catalyzed cyclization-cycloaddition chemistry. Arkivoc, 2007, 2007, 125-138.	0.5	1
66	Nucleophilic Chiral Amines as Catalysts in Asymmetric Synthesis. ChemInform, 2003, 34, no.	0.0	0
67	Catalytic, Asymmetric Î±-Chlorination of Acid Halides.. ChemInform, 2004, 35, no.	0.0	0
68	Development of a New Dimeric Cyclophane Ligand: Application to Enhanced Diastereo- and Enantioselectivity in the Catalytic Synthesis of Î²-Lactams.. ChemInform, 2004, 35, no.	0.0	0
69	Advances in the Catalytic, Asymmetric Synthesis of Î²-Lactams. ChemInform, 2004, 35, no.	0.0	0
70	Recent Developments in Catalytic, Asymmetric ?-Halogenation: A New Frontier in Asymmetric Catalysis. ChemInform, 2005, 36, no.	0.0	0
71	Rh(II)â€catalyzed Intermolecular Benzylic C(sp3)â€H Alkylation of Methylâ€substituted Arenes by Nâ€Arylâ€Î±â€diazoâ€Î²â€amidoesters. ChemCatChem, 0, , .	3.7	0
72	Completion of the Set: Synthesis of the (6,Xâ€²)-Flubromazepam Positional Isomers as Standards for Forensic Analysis. Journal of Organic Chemistry, 2022, 87, 813-822.	3.2	0