

# Chun-An Fan

## List of Publications by Year in descending order

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81  
papers

4,895  
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101496

36  
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98753

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121  
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121  
docs citations

121  
times ranked

3730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semipinacol Rearrangement in Natural Product Synthesis. <i>Chemical Reviews</i> , 2011, 111, 7523-7556.	23.0	426
2	Asymmetric Catalytic 1,6-Conjugate Addition/Aromatization of <i>para</i> -Quinone Methides: Enantioselective Introduction of Functionalized Diarylmethine Stereogenic Centers. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9229-9233.	7.2	291
3	Microwave-Promoted Three-Component Coupling of Aldehyde, Alkyne, and Amine via C-H Activation Catalyzed by Copper in Water. <i>Organic Letters</i> , 2004, 6, 1001-1003.	2.4	288
4	Brønsted Acid Catalyzed Enantioselective Semipinacol Rearrangement for the Synthesis of Chiral Spiroethers. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8572-8574.	7.2	195
5	Organocatalytic Asymmetric Vinylogous $\beta$ -Ketol Rearrangement: Enantioselective Construction of Chiral All-Carbon Quaternary Stereocenters in Spirocyclic Diketones via Semipinacol-Type 1,2-Carbon Migration. <i>Journal of the American Chemical Society</i> , 2009, 131, 14626-14627.	6.6	171
6	A Reaction for $sp^3$ - $sp^3$ C-C Bond Formation via Cooperation of Lewis Acid-Promoted/Rh-Catalyzed C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2005, 127, 10836-10837.	6.6	159
7	Iron(III)-Catalyzed and Air-Mediated Tandem Reaction of Aldehydes, Alkynes and Amines: An Efficient Approach to Substituted Quinolines. <i>Chemistry - A European Journal</i> , 2009, 15, 6332-6334.	1.7	152
8	Titanocene-Catalyzed Regiodivergent Epoxide Openings. <i>Journal of the American Chemical Society</i> , 2007, 129, 3484-3485.	6.6	140
9	Bifunctional tertiary amine-squaramide catalyzed asymmetric catalytic 1,6-conjugate addition/aromatization of <i>para</i> -quinone methides with oxindoles. <i>Chemical Communications</i> , 2016, 52, 4183-4186.	2.2	135
10	Rapid and Efficient Microwave-Assisted Amination of Electron-Rich Aryl Halides without a Transition-Metal Catalyst. <i>Organic Letters</i> , 2003, 5, 3515-3517.	2.4	132
11	Iron-Catalyzed $C(sp^3)-C(sp^3)$ Bond Formation through $C(sp^3)-H$ Functionalization: A Cross-Coupling Reaction of Alcohols with Alkenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8761-8765.	7.2	132
12	Reductive C-C Bond Formation after Epoxide Opening via Electron Transfer. , 2007, , 25-52.		127
13	Spirocyclopropanation Reaction of <i>para</i> -Quinone Methides with Sulfonium Salts: The Synthesis of Spirocyclopropanyl <i>para</i> -Dienones. <i>Journal of Organic Chemistry</i> , 2016, 81, 2598-2606.	1.7	120
14	Asymmetric Total Synthesis of <i>Apocynaceae</i> Hydrocarbazole Alkaloids (+)-Deethylbophyllidine and (+)-Limaspermidine. <i>Journal of the American Chemical Society</i> , 2015, 137, 4267-4273.	6.6	112
15	Enantioselective Synthesis of Functionalized 4-Aryl Hydrocoumarins and 4-Aryl Hydroquinolin-2-ones via Intramolecular Vinylogous Rauhut-Currier Reaction of <i>para</i> -Quinone Methides. <i>Organic Letters</i> , 2017, 19, 3207-3210.	2.4	103
16	Sustainable Radical Reduction through Catalytic Hydrogen Atom Transfer. <i>Journal of the American Chemical Society</i> , 2008, 130, 6916-6917.	6.6	99
17	Diastereoselective and Enantioselective Synthesis of Unsymmetric $\beta$ -Diaryl- $\beta$ -Amino Acid Esters via Organocatalytic 1,6-Conjugate Addition of <i>para</i> -Quinone Methides. <i>Journal of Organic Chemistry</i> , 2016, 81, 5655-5662.	1.7	95
18	Regiodivergent Epoxide Opening: A Concept in Stereoselective Catalysis beyond Classical Kinetic Resolutions and Desymmetrizations. <i>Chemistry - A European Journal</i> , 2007, 13, 8084-8090.	1.7	81

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19	Quinine/selectfluor combination induced asymmetric semipinacol rearrangement of allylic alcohols: an effective and enantioselective approach to $\beta$ -quaternary $\alpha$ -fluoro aldehydes. <i>Chemical Communications</i> , 2005, , 5580.	2.2	77
20	Tandem Spirocyclopropanation/Rearrangement Reaction of Vinyl $\alpha$ -Quinone Methides with Sulfonium Salts: Synthesis of Spirocyclopentenyl $\alpha$ -Dienones. <i>Organic Letters</i> , 2017, 19, 1752-1755.	2.4	73
21	Total Synthesis of ( $\pm$ )-Galanthamine. <i>Organic Letters</i> , 2006, 8, 1823-1825.	2.4	72
22	Au(I)-Catalyzed Rearrangement Reaction of Propargylic Aziridine: Synthesis of Trisubstituted and Cycloalkene-Fused Pyrroles. <i>Organic Letters</i> , 2009, 11, 4002-4004.	2.4	68
23	An Efficient Total Synthesis of ( $\pm$ )-Stemonamine. <i>Organic Letters</i> , 2008, 10, 1763-1766.	2.4	67
24	An Efficient Total Synthesis of ( $\pm$ )-Lycoramine. <i>Organic Letters</i> , 2004, 6, 4691-4694.	2.4	66
25	Asymmetric Synthesis of Bioactive Hydrodibenzofuran Alkaloids: ( $\pm$ )-Lycoramine, ( $\pm$ )-Galanthamine, and (+)-Lunarine. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8161-8166.	7.2	58
26	A Tandem Semipinacol Rearrangement/Alkylation of $\beta$ -Epoxy Alcohols: An Efficient and Stereoselective Approach to Multifunctional 1,3-Diols. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1702-1705.	7.2	56
27	Asymmetric Organocatalytic Intramolecular Aza-Michael Addition of Enone Carbamates: Catalytic Enantioselective Access to Functionalized $\alpha$ -Substituted Piperidines. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2721-2730.	2.1	53
28	Cross-Coupling Reaction between Alcohols through $\alpha$ -C-H Activation Catalyzed by a Ruthenium/Lewis Acid System. <i>Chemistry - A European Journal</i> , 2008, 14, 10201-10205.	1.7	48
29	A General Efficient Strategy for $\beta$ -Aryloctahydroindole Alkaloids via Stereocontrolled ZnBr <sub>2</sub> -Catalyzed Rearrangement of 2,3-Aziridino Alcohols. <i>Organic Letters</i> , 2003, 5, 2319-2321.	2.4	46
30	Total Synthesis of $\beta$ -Lycopodium Alkaloids Palhinine A and Palhinine D. <i>Journal of the American Chemical Society</i> , 2017, 139, 4282-4285.	6.6	46
31	Samarium-Catalyzed Tandem Semipinacol Rearrangement/Tishchenko Reaction of $\beta$ -Hydroxy Epoxides: A Novel Approach to Highly Stereoselective Construction of 2-Quaternary 1,3-Diol Units. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3877-3880.	7.2	42
32	Formal Syntheses of ( $\pm$ )-Stemonamine and ( $\pm$ )-Cephalotaxine. <i>Journal of Organic Chemistry</i> , 2009, 74, 3211-3213.	1.7	42
33	Cinchona Alkaloid Catalyzed Enantioselective [4 + 2] Annulation of Allenic Esters and in Situ Generated ortho-Quinone Methides: Asymmetric Synthesis of Functionalized Chromans. <i>Journal of Organic Chemistry</i> , 2017, 82, 5433-5440.	1.7	42
34	Asymmetric Catalytic [4+5] Annulation of $\alpha$ -Quinone Methides with Vinyl ethylene Carbonates and its Extension to Stereoselective Tandem Rearrangement. <i>Chemistry - A European Journal</i> , 2020, 26, 3803-3809.	1.7	42
35	Progressive Studies on the Novel Samarium-Catalyzed Diastereoselective Tandem Semipinacol Rearrangement/Tishchenko Reduction of Secondary $\beta$ -Hydroxy Epoxides. <i>Chemistry - A European Journal</i> , 2003, 9, 4301-4310.	1.7	40
36	Bioinspired Total Synthesis of Montanine-Type $\beta$ -Amaryllidaceae Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14167-14172.	7.2	40

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37	Au-Catalyzed [2 + 3] Annulation of Enamides with Propargyl Esters: Total Synthesis of Cephalotaxine and Cephalozomine H. <i>Organic Letters</i> , 2017, 19, 2965-2968.	2.4	37
38	Lewis Acid Promoted Highly Stereoselective Rearrangement of 2,3-Aziridino Alcohols: A New Efficient Approach to $\beta^2$ -Amino Carbonyl Compounds. <i>Organic Letters</i> , 2002, 4, 363-366.	2.4	35
39	Formal Synthesis of ( $\pm$ )-Morphine. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1105-1109.	1.7	35
40	CuH-Catalyzed Asymmetric 1,6-Conjugate Reduction of p-Quinone Methides: Enantioselective Synthesis of Triarylmethanes and 1,1,2-Triarylethanes. <i>Organic Letters</i> , 2019, 21, 6397-6402.	2.4	35
41	P(NMe) <sub>2</sub> -Mediated Umpolung Spirocyclopropanation Reaction of p-Quinone Methides: Diastereoselective Synthesis of Spirocyclopropane-Cyclohexadienones. <i>Organic Letters</i> , 2020, 22, 8376-8381.	2.4	35
42	Zinc bromide as catalyst for the stereoselective construction of quaternary carbon: improved synthesis of diastereomerically enriched spirocyclic diols. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 3791-3794.	1.3	34
43	Tandem Aziridination/Rearrangement Reaction of Allylic Alcohols: An Efficient Approach to 2-Quaternary Mannich Bases. <i>Organic Letters</i> , 2008, 10, 4943-4946.	2.4	32
44	Toward the Total Synthesis of Palhinine A: Expedient Assembly of Multifunctionalized Isotwistane Ring System with Contiguous Quaternary Stereocenters. <i>Organic Letters</i> , 2012, 14, 3696-3699.	2.4	32
45	Total Synthesis of ( $\pm$ )-Lycjaponicum D and Lycodoline-Type <i>Lycopodium</i> Alkaloids. <i>Journal of the American Chemical Society</i> , 2017, 139, 7095-7103.	6.6	32
46	Two aspects of the desymmetrization of selected prochiral aromatic or vinylic dihalides: enantioselective halogen-lithium exchange and prochiral recognition in chiral liquid crystals. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2666-2677.	1.8	29
47	Tandem reactions of cis-2-acyl-1-alkynyl-1-aryl cyclopropanes tuned by gold(i) and silver(i) catalysts: efficient synthesis of pyran-fused indene cores and 2,4,6-trisubstituted phenols. <i>Chemical Communications</i> , 2009, , 4726.	2.2	29
48	Enantioselective Synthesis of <i>Amaryllidaceae</i> Alkaloids (+)-Vittatine, (+)-epi-Vittatine, and (+)-Buphanisine. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1966-1971.	1.7	29
49	Analysis of Intramolecular Dynamic Processes in Enantiomeric Diaryl Atropisomers and Related Derivatives by <sup>2</sup> H NMR Spectroscopy in Polypeptide Liquid Crystals. <i>Chemistry - A European Journal</i> , 2007, 13, 3772-3786.	1.7	27
50	Novel and efficient Ni-mediated pinacol coupling of carbonyl compounds. <i>Tetrahedron</i> , 2004, 60, 2851-2855.	1.0	26
51	Study of molecular rotational isomerism using deuterium NMR in chiral oriented solvents. <i>Chemical Communications</i> , 2006, , 389-391.	2.2	26
52	Asymmetric Organocatalytic Synthesis of 2,3-Allenamides from Hydrogen-Bond-Stabilized Enynamides. <i>Organic Letters</i> , 2019, 21, 2468-2472.	2.4	26
53	Palladium-Catalyzed Asymmetric (2+3) Annulation of p-Quinone Methides with Trimethylenemethanes: Enantioselective Synthesis of Functionalized Chiral Spirocyclopentyl p-Dienones. <i>Organic Letters</i> , 2020, 22, 4171-4175.	2.4	26
54	Palladium-Catalyzed Asymmetric (4 + 2) Annulation of $\beta^3$ -Methylidene- $\beta^1$ -valerolactones with Alkenes: Enantioselective Synthesis of Functionalized Chiral Cyclohexyl Spirooxindoles. <i>Organic Letters</i> , 2021, 23, 745-750.	2.4	26

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55	New Metal-Free One-Pot Synthesis of Substituted Allenes from Enones. <i>Organic Letters</i> , 2008, 10, 5585-5588.	2.4	24
56	Kinetic resolution via semipinacol rearrangement of $\hat{1}$ -hydroxy epoxides: a new method for asymmetric synthesis of $\hat{1}$ -hydroxy epoxides and $\hat{1}^2$ -hydroxy ketones containing an $\hat{1}$ -quaternary carbon. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 395-398.	1.8	23
57	Arylation and Vinylation of Alkenes Based on Unusual Sequential Semipinacol Rearrangement/Grob Fragmentation of Allylic Alcohols. <i>Journal of Organic Chemistry</i> , 2008, 73, 7797-7799.	1.7	20
58	Sustainable radical reduction through catalyzed hydrogen atom transfer reactions (CHAT-reactions). <i>Tetrahedron</i> , 2009, 65, 4984-4991.	1.0	19
59	One-Pot Synthesis of Aminoenone via Direct Reaction of the Chloroalkyl Enone with $\text{NaN}_3$ : Rapid Access to Polycyclic Alkaloids. <i>Journal of Organic Chemistry</i> , 2010, 75, 5289-5295.	1.7	19
60	Tandem (2 + 2) Annulation/Retro-4 $\pi$ Electrocyclization/Imino-Nazarov Cyclization Reaction of $\alpha$ -Quinone Methides with Ynamides: Expeditious Construction of Functionalized Aminoindenes. <i>Organic Letters</i> , 2021, 23, 5885-5890.	2.4	19
61	Hypervalent Iodine(III)-Mediated Oxidative Dearomatizing Cyclization of Arylamines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2437-2444.	2.1	18
62	A coupling reaction between tetrahydrofuran and olefins by Rh-catalyzed/Lewis acid-promoted C-H activation. <i>Tetrahedron Letters</i> , 2008, 49, 4652-4654.	0.7	16
63	Gold-catalyzed reaction of enynols by a dimerization-fragmentation process: an expeditious assembly of enyne molecular architecture. <i>Chemical Communications</i> , 2009, , 2706.	2.2	14
64	A $\text{RhCl}(\text{PPh}_3)_3/\text{BF}_3 \cdot \text{OEt}_2$ co-promoted direct C-C cross-coupling of alcohols at $\hat{1}^2$ -position with aldehydes. <i>Tetrahedron Letters</i> , 2009, 50, 4178-4181.	0.7	12
65	Total synthesis of ( $\hat{1}$ )-13-epineostenine. <i>Tetrahedron</i> , 2009, 65, 5716-5719.	1.0	12
66	Prolinamide/PPTS-Catalyzed Hajos-Parrish Annulation: Efficient Approach to the Tricyclic Core of Cylindricine-Type Alkaloids. <i>Synlett</i> , 2008, 2008, 2831-2835.	1.0	11
67	Regiodivergent epoxide opening (REO) via electron transfer: control elements. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1361-1369.	1.8	11
68	A strategic study towards constructing the nine-membered azonane ring system of palhinine A via an azidoketol fragmentation reaction. <i>Science China Chemistry</i> , 2016, 59, 1188-1196.	4.2	11
69	Copper-Catalyzed (4+1) Cascade Annulation of Terminal Alkynes with 2-(Tosylmethyl)anilines: Synthesis of 2,3-Disubstituted Indoles. <i>Organic Letters</i> , 2021, 23, 8905-8909.	2.4	8
70	Iron-catalyzed tandem annulation of indolyl-substituted $\alpha$ -quinone methides with ynamides for the synthesis of cyclopenta[ <i>b</i> ]indoles. <i>Chemical Communications</i> , 0, , .	2.2	8
71	Synthetic studies toward melotenine A. <i>Tetrahedron</i> , 2019, 75, 1760-1766.	1.0	6
72	A Direct C-C Cross-Coupling of Alcohols at the $\hat{1}^2$ -Position with Aldehydes under Co-Promotion of $\text{Tris}(\text{triphenylphosphine})\text{rhodium Chloride/Boron Trifluoride Etherate}$ . <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2189-2193.	2.1	5

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73	Hypervalent Iodine(III)-Mediated Tandem Oxidative Dearomatization/Aziridination of Phenolic Amines: Synthesis of Functionalized Unactivated Aziridines. <i>Chemistry - A European Journal</i> , 2021, 27, 8473-8478.	1.7	3
74	A New One-Pot Synthesis of 2-Quaternary 1,3-Diketones. <i>Synthesis</i> , 2001, 2001, 2384.	1.2	2
75	Transalkylation of N-methyl tertiary amines with 3,4-dibromobutenolides. <i>Chinese Chemical Letters</i> , 2013, 24, 837-839.	4.8	2
76	Progressive Studies on the Novel Samarium-Catalyzed Diastereoselective Tandem Semipinacol Rearrangement/Tishchenko Reduction of Secondary $\beta$ -Hydroxy Epoxides.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
77	Rapid and Efficient Microwave-Assisted Amination of Electron-Rich Aryl Halides Without a Transition-Metal Catalyst.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
78	Novel and Efficient Ni-Mediated Pinacol Coupling of Carbonyl Compounds.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
79	A Tandem Semipinacol Rearrangement/Alkylation of $\beta$ -Epoxy Alcohols: An Efficient and Stereoselective Approach to Multifunctional 1,3-Diols.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
80	Microwave-Promoted Three-Component Coupling of Aldehyde, Alkyne, and Amine via $\alpha$ -H Activation Catalyzed by Copper in Water.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
81	A Reaction for $sp^3$ - $sp^3$ C-C Bond Formation via Cooperation of Lewis Acid-Promoted/Rh-Catalyzed $\alpha$ -H Bond Activation.. <i>ChemInform</i> , 2005, 36, no.	0.1	0