

Carlos Vila

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Metal-Free Diastereo- and Enantioselective Dearomative Formal [3 + 2] Cycloaddition of 2-Nitrobenzofurans and Isocyanoacetate Esters. <i>Organic Letters</i> , 2022, 24, 2149-2154.	4.6	7
2	Catalytic Diastereo- and Enantioselective Synthesis of Tertiary Trifluoromethyl Carbinols through a Vinylogous Aldol Reaction of Alkylidenepyrazolones with Trifluoromethyl Ketones. <i>Journal of Organic Chemistry</i> , 2022, 87, 4538-4549.	3.2	4
3	Radical Addition of Dihydroquinoxalin-2-ones to Trifluoromethyl Ketones under Visible-Light Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2022, 87, 9343-9356.	3.2	7
4	Recent Advances in Catalytic Enantioselective Synthesis of Pyrazolones with a Tetrasubstituted Stereogenic Center at the 4-Position. <i>Synthesis</i> , 2021, 53, 215-237.	2.3	20
5	Asymmetric Oxidative Mannich Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 602-628.	4.3	20
6	Nitroenynes as Electrophiles in Organocatalysis and their Application in the Synthesis of Chiral Heterocycles. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2255-2267.	2.4	4
7	Asymmetric Organocatalytic Synthesis of <i>aza</i> -Spirocyclic Compounds from Isothiocyanates and Isocyanides. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2268-2284.	2.4	13
8	Catalytic Diastereo- and Enantioselective Vinylogous Mannich Reaction of Alkylidenepyrazolones to Isatin-Derived Ketimines. <i>Organic Letters</i> , 2021, 23, 7391-7395.	4.6	8
9	Enantioselective Addition of Sodium Bisulfite to Nitroalkenes. A Convenient Approach to Chiral Sulfonic Acids. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5284-5287.	2.4	4
10	Visible-light-accelerated amination of quinoxalin-2-ones and benzo[1,4]oxazin-2-ones with dialkyl azodicarboxylates under metal and photocatalyst-free conditions. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6250-6255.	2.8	6
11	Enantioselective Friedel-Crafts reaction of hydroxyarenes with nitroenynes to access chiral heterocycles <i>via</i> sequential catalysis. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6990-6994.	2.8	1
12	Asymmetric Addition and Cycloaddition Reactions with Ylidene-Membered Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 5196-5234.	4.3	9
13	Copper-Catalyzed Aerobic Oxidative Alkynylation of 3,4-Dihydroquinoxalin-2-ones. <i>Synthesis</i> , 2020, 52, 544-552.	2.3	11
14	Organocatalytic Enantioselective 1,6- <i>aza</i> -Michael Addition of Isoxazolinones to <i>p</i> -Quinone Methides. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 627-630.	2.4	33
15	Enantioselective zinc-mediated conjugate alkynylation of saccharin-derived 1- <i>aza</i> -butadienes. <i>Chemical Communications</i> , 2020, 56, 9461-9464.	4.1	0
16	Organocatalytic Enantioselective Aminoalkylation of α -Aminopyrazole Derivatives with Cyclic Imines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 7450-7454.	2.4	11
17	Recent Advances in Photocatalytic Functionalization of Quinoxalinones. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6148-6172.	2.4	70
18	Enantioselective Synthesis of Functionalized Diazaspirocycles from α -Benzylideneisoxazolinone Derivatives and Isocyanoacetate Esters. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3564-3569.	4.3	22

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19	Photocatalytic Giese Addition of 1,4-Dihydroquinolin-2-ones to Electron-Poor Alkenes Using Visible Light. <i>Organic Letters</i> , 2020, 22, 8012-8017.	4.6	15
20	Squaramide-Catalyzed Enantioselective Michael Addition of Pyrazol-3-ones to ortho-Quinone Methides. <i>Letters in Organic Chemistry</i> , 2020, 17, 837-844.	0.5	2
21	A poly(glycidyl-co-ethylene dimethacrylate) nanohybrid modified with β -cyclodextrin as a sorbent for solid-phase extraction of phenolic compounds. <i>Mikrochimica Acta</i> , 2019, 186, 615.	5.0	12
22	A Combination of Visible-Light Organophotoredox Catalysis and Asymmetric Organocatalysis for the Enantioselective Mannich Reaction of Dihydroquinolinones with Ketones. <i>Organic Letters</i> , 2019, 21, 6011-6015.	4.6	43
23	Organocatalytic enantioselective functionalization of indoles in the carbocyclic ring with cyclic imines. <i>New Journal of Chemistry</i> , 2019, 43, 130-134.	2.8	21
24	Catalytic Diastereo- and Enantioselective Synthesis of 2-Imidazolinones. <i>Organic Letters</i> , 2019, 21, 4063-4066.	4.6	17
25	Regio-, Diastereo-, and Enantioselective Organocatalytic Addition of 4-Substituted Pyrazolones to Isatin-Derived Nitroalkenes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3040-3044.	2.4	9
26	Regio- and Stereoselective Synthesis of β -Pyrazolylidene- α -oxindole Compounds by Nucleophilic Vinylic Substitution of (E)- β -(Nitromethylene)indolin-2-one. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1902-1907.	4.3	11
27	Organocatalytic enantioselective aminoalkylation of pyrazol-3-ones with aldimines generated <i>in situ</i> from α -amido sulfones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9859-9863.	2.8	10
28	Enantioselective Synthesis of 5-Trifluoromethyl-2-oxazolines under Dual Silver/Organocatalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 314-325.	3.2	26
29	Enantioselective synthesis of chiral oxazolines from unactivated ketones and isocyanoacetate esters by synergistic silver/organocatalysis. <i>Chemical Communications</i> , 2018, 54, 2862-2865.	4.1	20
30	Organocatalytic Enantioselective Functionalization of Hydroxyquinolines through an Aza-Friedel-Crafts Alkylation with Isatin-Derived Ketimines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 859-864.	4.3	15
31	Catalytic Asymmetric Reactions Involving the Seven-Membered Cyclic Imine Moieties Present in Dibenzo[<i>b,f</i>][1,4]oxazepines. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 140-146.	2.4	25
32	9,10-Phenanthrene-9,10-dione as Visible-Light Photoredox Catalyst: A Green Methodology for the Functionalization of 3,4-Dihydro-1,4-Benzoxazin-2-Ones through a Friedel-Crafts Reaction. <i>Catalysts</i> , 2018, 8, 653.	3.5	15
33	Enantioselective Synthesis of 2-Amino-1,1-diarylanilines Bearing a Carbocyclic Ring Substituted Indole through Asymmetric Catalytic Reaction of Hydroxyindoles with Nitroalkenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 6397-6407.	3.2	21
34	Organocatalytic Enantioselective Strecker Reaction with Seven-Membered Cyclic Imines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3662-3666.	4.3	15
35	Synthesis of Multisubstituted 1,4-Dihydrobenzoxazin-2-ones through a One-Pot Nucleophilic N-Alkylation/C-Alkylation of Cyclic α -Imino Esters. <i>Synthesis</i> , 2017, 49, 2683-2690.	2.3	4
36	Diarylpicolinol as a Ligand for Enantioselective Alkynylation of Cyclic Imines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1582-1587.	4.3	23

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37	Oxygen Activated, Palladium Nanoparticle Catalyzed, Ultrafast Cross-Coupling of Organolithium Reagents. <i>Angewandte Chemie</i> , 2017, 129, 3402-3407.	2.0	18
38	Oxygen Activated, Palladium Nanoparticle Catalyzed, Ultrafast Cross-Coupling of Organolithium Reagents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3354-3359.	13.8	62
39	Catalytic enantioselective aza-Reformatsky reaction with seven-membered cyclic imines dibenzo[b,f][1,4]oxazepines. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1624-1628.	4.5	23
40	Hydroxy-Directed Enantioselective Hydroxyalkylation in the Carbocyclic Ring of Indoles. <i>Organic Letters</i> , 2017, 19, 1546-1549.	4.6	45
41	Enantioselective addition of Et ₂ Zn to seven-membered cyclic imines catalyzed by a (R)-VAPOL-Zn(II) complex. <i>Tetrahedron Letters</i> , 2017, 58, 3358-3361.	1.4	11
42	Catalytic Enantioselective Addition of Me ₂ Zn to Isatins. <i>Catalysts</i> , 2017, 7, 387.	3.5	3
43	Organocatalytic Enantioselective Alkylation of Pyrazolones with Isatin-Derived Ketimines: Stereocontrolled Construction of Vicinal Tetrasubstituted Stereocenters. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1583-1588.	4.3	52
44	Palladium-Catalyzed, <i>tert</i> -Butyllithium-Mediated Dimerization of Aryl Halides and Its Application in the Atropselective Total Synthesis of Mastigophorene...A. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3620-3624.	13.8	47
45	Catalytic Enantioselective Friedel-Crafts Reactions of Naphthols and Electron-Rich Phenols. <i>Synthesis</i> , 2016, 48, 2151-2164.	2.3	46
46	Catalytic Enantioselective Conjugate Alkynylation of β -Aryl- β -trifluoromethyl Enones Constructing Propargylic All-Carbon Quaternary Stereogenic Centers. <i>Organic Letters</i> , 2016, 18, 3538-3541.	4.6	49
47	Catalytic Enantioselective Aza-Reformatsky Reaction with Cyclic Imines. <i>Chemistry - A European Journal</i> , 2016, 22, 17590-17594.	3.3	30
48	Organocatalytic Enantioselective Synthesis of β -Hydroxyketones through a Friedel-Crafts Reaction of Naphthols and Activated Phenols with Aryl- and Alkylglyoxal Hydrates. <i>Organic Letters</i> , 2016, 18, 5652-5655.	4.6	22
49	Palladium-Catalyzed, <i>tert</i> -Butyllithium-Mediated Dimerization of Aryl Halides and Its Application in the Atropselective Total Synthesis of Mastigophorene...A. <i>Angewandte Chemie</i> , 2016, 128, 3684-3688.	2.0	16
50	Organocatalytic Enantioselective Synthesis of Pyrazoles Bearing a Quaternary Stereocenter. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1532-1536.	3.3	33
51	One-pot sequential 1,2-addition, Pd-catalysed cross-coupling of organolithium reagents with Weinreb amides. <i>Chemical Communications</i> , 2016, 52, 1206-1209.	4.1	14
52	Organocatalytic Enantioselective Friedel-Crafts Aminoalkylation of Indoles in the Carbocyclic Ring. <i>ACS Catalysis</i> , 2016, 6, 2689-2693.	11.2	70
53	Innentitelbild: Catalytic Asymmetric Synthesis of Phosphine Boronates (<i>Angew. Chem.</i> 27/2015). <i>Angewandte Chemie</i> , 2015, 127, 7832-7832.	2.0	0
54	Catalytic Asymmetric Synthesis of Phosphine Boronates. <i>Angewandte Chemie</i> , 2015, 127, 7978-7982.	2.0	10

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55	Merging Visible-Light Photoredox and Nickel Catalysis. <i>ChemCatChem</i> , 2015, 7, 1790-1793.	3.7	40
56	<i>n</i> -BuLi-Mediated One-Pot Direct Highly Selective Cross-Coupling of Two Distinct Aryl Bromides. <i>Chemistry - A European Journal</i> , 2015, 21, 15520-15524.	3.3	14
57	Organocatalytic Enantioselective Friedel-Crafts Alkylation of 1-Naphthol Derivatives and Activated Phenols with Ethyl Trifluoropruvate. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3047-3051.	4.3	29
58	Enantioselective alkynylation of benzo[e][1,2,3]-oxathiazine 2,2-dioxides catalysed by (R)-VAPOL-Zn complexes: synthesis of chiral propargylic cyclic sulfamidates. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7393-7396.	2.8	26
59	Organocatalytic Asymmetric Addition of Naphthols and Electron-Rich Phenols to Isatin-Derived Ketimines: Highly Enantioselective Construction of Tetrasubstituted Stereocenters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6320-6324.	13.8	127
60	Pd-Catalyzed Cross-Coupling of Aryllithium Reagents with 2-Alkoxy-Substituted Aryl Chlorides: Mild and Efficient Synthesis of 3,3-Diaryl BINOLs. <i>Organic Letters</i> , 2015, 17, 62-65.	4.6	35
61	Organocatalytic enantioselective aza-Friedel-Crafts reaction of 2-naphthols with benzoxathiazine 2,2-dioxides. <i>RSC Advances</i> , 2015, 5, 60101-60105.	3.6	37
62	Asymmetric Organocatalysis in Continuous Flow: Opportunities for Impacting Industrial Catalysis. <i>ACS Catalysis</i> , 2015, 5, 1972-1985.	11.2	177
63	Catalytic Asymmetric Synthesis of Phosphine Boronates. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7867-7871.	13.8	41
64	Direct catalytic cross-coupling of alkenyllithium compounds. <i>Chemical Science</i> , 2015, 6, 1394-1398.	7.4	64
65	Copper-catalysed β -selective allylic alkylation of heteroaryllithium reagents. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9321-9323.	2.8	9
66	Palladium-catalysed direct cross-coupling of secondary alkyllithium reagents. <i>Chemical Science</i> , 2014, 5, 1361.	7.4	73
67	Gold-Catalyzed Asymmetric Allylic Substitution of Free Alcohols: An Enantioselective Approach to Chiral Chromans with Quaternary Stereocenters for the Synthesis of Vitamin E and Analogues. <i>Chemistry - A European Journal</i> , 2014, 20, 13913-13917.	3.3	38
68	Frontispiece: Palladium-Catalysed Direct Cross-Coupling of Organolithium Reagents with Aryl and Vinyl Triflates. <i>Chemistry - A European Journal</i> , 2014, 20, n/a-n/a.	3.3	0
69	Palladium-Catalysed Direct Cross-Coupling of Organolithium Reagents with Aryl and Vinyl Triflates. <i>Chemistry - A European Journal</i> , 2014, 20, 13078-13083.	3.3	53
70	Visible-light photoredox catalyzed synthesis of pyrroloisoquinolines via organocatalytic oxidation/[3 + 2] cycloaddition/oxidative aromatization reaction cascade with Rose Bengal. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1233-1238.	2.2	76
71	Catalytic Direct Cross-Coupling of Organolithium Compounds with Aryl Chlorides. <i>Organic Letters</i> , 2013, 15, 5114-5117.	4.6	66
72	Enantioselective Friedel-Crafts Alkylation of Indoles with <i>E</i> -1-Aryl-4-benzyloxybut-2-en-1-ones Catalyzed by an <i>R</i> -3,3'-Diaryl-BINOLate-Hafnium(IV) Complex. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1902-1907.	2.4	10

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73	Visible Light Photoredox-Catalyzed Multicomponent Reactions. <i>Organic Letters</i> , 2013, 15, 2092-2095.	4.6	135
74	Catalytic asymmetric conjugate addition of Grignard reagents to chromones. <i>Chemical Communications</i> , 2013, 49, 5933.	4.1	57
75	Continuous Flow Organocatalytic C-H Functionalization and Cross-Dehydrogenative Coupling Reactions: Visible Light Organophotocatalysis for Multicomponent Reactions and C-C, C-P Bond Formations. <i>ACS Catalysis</i> , 2013, 3, 1676-1680.	11.2	176
76	Visible-light mediated heterogeneous C-H functionalization: oxidative multi-component reactions using a recyclable titanium dioxide (TiO ₂) catalyst. <i>Green Chemistry</i> , 2013, 15, 2056.	9.0	121
77	Hindered Aryllithium Reagents as Partners in Palladium-Catalyzed Cross-Coupling: Synthesis of Tri- and Tetra-ortho-Substituted Biaryls under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13329-13333.	13.8	63
78	Photoredox Catalysis as an Efficient Tool for the Aerobic Oxidation of Amines and Alcohols: Bioinspired Demethylations and Condensations. <i>ACS Catalysis</i> , 2012, 2, 2810-2815.	11.2	137
79	Direct Catalytic Azidation of Allylic Alcohols. <i>Organic Letters</i> , 2012, 14, 768-771.	4.6	51
80	NMR Spectroscopic Characterization and DFT Calculations of Zirconium(IV)-3,3'-di- <i>tert</i> -butyl-BINOLate and Related Complexes Used in an Enantioselective Friedel-Crafts Alkylation of Indoles with α,β -Unsaturated Ketones. <i>Journal of Organic Chemistry</i> , 2012, 77, 10545-10556.	3.2	13
81	Enantioselective Synthesis of Substituted Indoles Through Zirconium(IV)-Catalyzed Friedel-Crafts Alkylation. <i>Synthesis</i> , 2012, 44, 3590-3594.	2.3	7
82	Dual Catalysis: Combination of Photocatalytic Aerobic Oxidation and Metal Catalyzed Alkynylation Reactions α,β -C=C Bond Formation Using Visible Light. <i>Chemistry - A European Journal</i> , 2012, 18, 5170-5174.	3.3	217
83	Dual catalysis: combining photoredox and Lewis base catalysis for direct Mannich reactions. <i>Chemical Communications</i> , 2011, 47, 2360-2362.	4.1	367
84	Enantioselective Synthesis of Tertiary Alcohols through a Zirconium-Catalyzed Friedel-Crafts Alkylation of Pyrroles with α -Ketoesters. <i>Journal of Organic Chemistry</i> , 2011, 76, 6286-6294.	3.2	34
85	Synthesis of Functionalized Indoles with a Trifluoromethyl-Substituted Stereogenic Tertiary Carbon Atom Through an Enantioselective Friedel-Crafts Alkylation with α,β -Trifluoromethyl- α,β -Unsaturated Ketones. <i>Chemistry - A European Journal</i> , 2010, 16, 9117-9122.	3.3	68
86	Zr- and Hf-Catalyzed Asymmetric Friedel-Crafts Alkylation of Indoles with Endiones. <i>Synfacts</i> , 2010, 2010, 0057-0057.	0.0	0
87	Zirconium-Catalyzed Friedel-Crafts Alkylation of Pyrrole. <i>Synfacts</i> , 2009, 2009, 0404-0404.	0.0	0
88	Synthesis of Functionalized Indoles with an α -Stereogenic Ketone Moiety Through an Enantioselective Friedel-Crafts Alkylation with α,β -Diaryl- α,β -Unsaturated Ketones. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2433-2440.	3.3	30
89	Organocatalytic Domino Michael-Knoevenagel Condensation Reaction for the Synthesis of Optically Active α,β -Diethoxyphosphoryl- α,β -oxocyclohexanecarboxylates. <i>Chemistry - A European Journal</i> , 2009, 15, 3093-3102.	3.3	74
90	Trends in Organocatalytic Conjugate Addition to Enones: An Efficient Approach to Optically Active Alkynyl, Alkenyl, and Ketone Products. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7338-7342.	13.8	80

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91	Indirect regioselective heteroarylation of indoles through a Friedel-Crafts reaction with (E)-1,4-diaryl-2-buten-1,4-diones. <i>Tetrahedron</i> , 2009, 65, 9264-9270.	1.9	13
92	Enantioselective Zirconium-Catalyzed Friedel-Crafts Alkylation of Pyrrole with Trifluoromethyl Ketones. <i>Organic Letters</i> , 2009, 11, 441-444.	4.6	73
93	Friedel-Crafts Alkylation of Indole with Simple Enones. <i>Synfacts</i> , 2007, 2007, 0948-0948.	0.0	0
94	Highly Enantioselective Friedel-Crafts Alkylations of Indoles with Simple Enones Catalyzed by Zirconium(IV)-BINOL Complexes. <i>Organic Letters</i> , 2007, 9, 2601-2604.	4.6	123
95	Bodipy-VAD-Fmk, a useful tool to study yeast peptide N-glycanase activity. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3690.	2.8	17
96	Catalytic enantioselective Friedel-Crafts alkylation at the 2-position of indole with simple enones. <i>Tetrahedron Letters</i> , 2007, 48, 6731-6734.	1.4	51
97	Diastereoselective Michael addition of (S)-mandelic acid enolate to 2-arylidene-1,3-diketones: enantioselective diversity-oriented synthesis of densely substituted pyrazoles. <i>Tetrahedron</i> , 2006, 62, 8069-8076.	1.9	16
98	Enantioselective synthesis of 2-substituted-1,4-diketones from (S)-mandelic acid enolate and α,β -enones. <i>Tetrahedron</i> , 2006, 62, 9174-9182.	1.9	21
99	Catalytic Asymmetric Friedel-Crafts Alkylations in Total Synthesis. , 0, , 223-270.		4