

Jon C Antilla

List of Publications by Year in descending order

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62
papers

6,937
citations

87843

38
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95218

68
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78
all docs

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docs citations

78
times ranked

4609
citing authors

#	ARTICLE	IF	CITATIONS
1	A General and Efficient Copper Catalyst for the Amidation of Aryl Halides and the N-Arylation of Nitrogen Heterocycles. <i>Journal of the American Chemical Society</i> , 2001, 123, 7727-7729.	6.6	963
2	Copper-Diamine-Catalyzed N-Arylation of Pyrroles, Pyrazoles, Indazoles, Imidazoles, and Triazoles. <i>Journal of Organic Chemistry</i> , 2004, 69, 5578-5587.	1.7	541
3	The Copper-Catalyzed N-Arylation of Indoles. <i>Journal of the American Chemical Society</i> , 2002, 124, 11684-11688.	6.6	530
4	A Vaulted Biaryl Phosphoric Acid-Catalyzed Reduction of α -Imino Esters: The Highly Enantioselective Preparation of α -Amino Esters. <i>Journal of the American Chemical Society</i> , 2007, 129, 5830-5831.	6.6	301
5	Brønsted Acid-Catalyzed Imine Amidation. <i>Journal of the American Chemical Society</i> , 2005, 127, 15696-15697.	6.6	297
6	Copper-Catalyzed Coupling of Arylboronic Acids and Amines. <i>Organic Letters</i> , 2001, 3, 2077-2079.	2.4	253
7	Chiral Brønsted Acid-Catalyzed Allylboration of Aldehydes. <i>Journal of the American Chemical Society</i> , 2010, 132, 11884-11886.	6.6	237
8	Brønsted Acid-Catalyzed Desymmetrization of <i>meso</i> -Aziridines. <i>Journal of the American Chemical Society</i> , 2007, 129, 12084-12085.	6.6	220
9	The Highly Enantioselective Addition of Indoles to N-Acyl Imines with Use of a Chiral Phosphoric Acid Catalyst. <i>Organic Letters</i> , 2007, 9, 2609-2611.	2.4	192
10	Catalytic Asymmetric Aziridination with a Chiral VAPOL-Boron Lewis Acid. <i>Journal of the American Chemical Society</i> , 1999, 121, 5099-5100.	6.6	189
11	Chiral Calcium VAPOL Phosphate Mediated Asymmetric Chlorination and Michael Reactions of 3-Substituted Oxindoles. <i>Journal of the American Chemical Society</i> , 2011, 133, 3339-3341.	6.6	175
12	Catalytic Asymmetric Addition of Alcohols to Imines: Enantioselective Preparation of Chiral α -Amino Esters. <i>Journal of the American Chemical Society</i> , 2008, 130, 12216-12217.	6.6	173
13	Enantioselective Construction of Pyrroloindolines Catalyzed by Chiral Phosphoric Acids: Total Synthesis of α -Bromoflustramine. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11778-11782.	7.2	161
14	Organocatalytic Enantioselective Friedel-Crafts Reaction of Pyrrole Derivatives with Imines. <i>Organic Letters</i> , 2007, 9, 4065-4068.	2.4	150
15	Highly Enantioselective Catalytic Benzoyloxylation of α -Aryloxindoles Using Chiral VAPOL Calcium Phosphate. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1135-1138.	7.2	146
16	Highly Enantioselective Hydrogenation of Enamides Catalyzed by Chiral Phosphoric Acids. <i>Organic Letters</i> , 2009, 11, 1075-1078.	2.4	129
17	Brønsted Acid Catalyzed Asymmetric Propargylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1391-1394.	7.2	124
18	Chiral Brønsted Acid Catalyzed Pinacol Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9734-9736.	7.2	118

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19	An Asymmetric Diels-Alder Reaction Catalyzed by Chiral Phosphate Magnesium Complexes: Highly Enantioselective Synthesis of Chiral Spirooxindoles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4628-4632.	7.2	115
20	Origins of Stereoselectivities in Chiral Phosphoric Acid Catalyzed Allylboration and Propargylations of Aldehydes. <i>Journal of Organic Chemistry</i> , 2013, 78, 1208-1215.	1.7	103
21	Chiral Magnesium BINOL Phosphate-Catalyzed Phosphination of Imines: Access to Enantioenriched \pm -Amino Phosphine Oxides. <i>Organic Letters</i> , 2011, 13, 2054-2057.	2.4	101
22	Direct Synthesis of Chiral 1,2,3,4-Tetrahydropyrrolo[1,2- <i>a</i>]pyrazines via a Catalytic Asymmetric Intramolecular Aza-Friedel-Crafts Reaction. <i>Organic Letters</i> , 2011, 13, 4490-4493.	2.4	93
23	VAPOL phosphoric acid catalysis: the highly enantioselective addition of imides to imines. <i>Chemical Communications</i> , 2007, , 4477.	2.2	92
24	Catalytic Asymmetric Aza-Darzens Reaction with a Vaulted Biphenanthrol Magnesium Phosphate Salt. <i>Organic Letters</i> , 2011, 13, 2188-2191.	2.4	91
25	Chiral Phosphoric Acid-Catalyzed Addition of Thiols to <i>N</i> -Acyl Imines: Access to Chiral <i>N</i> -S-Acetals. <i>Organic Letters</i> , 2011, 13, 4822-4825.	2.4	84
26	Asymmetric Reduction of Ketones by Phosphoric Acid Derived Catalysts. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10961-10964.	7.2	82
27	Chiral Phosphoric Acid-Catalyzed Desymmetrization of meso-Aziridines with Functionalized Mercaptans. <i>Organic Letters</i> , 2009, 11, 5186-5189.	2.4	80
28	Chiral Phosphoric Acid Catalyzed Peroxidation of Imines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6589-6591.	7.2	77
29	Chiral Phosphoric Acid Catalyzed Asymmetric Synthesis of Hetero- ϵ -triarylmethanes from Racemic Indolyl Alcohols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11004-11008.	7.2	70
30	Regulation of Orthogonal Functions in a Dual Catalyst System. Subservient Role of a Nonchiral Lewis Acid in an Asymmetric Catalytic Heteroatom Diels-Alder Reaction. <i>Journal of the American Chemical Society</i> , 2007, 129, 7216-7217.	6.6	68
31	H ₈ -BINOL Chiral Imidodiphosphoric Acids Catalyzed Enantioselective Synthesis of Dihydroindolo- <i>l</i> -pyrrolo[1,2- <i>a</i>]quinoxalines. <i>Organic Letters</i> , 2014, 16, 6112-6115.	2.4	67
32	Asymmetric One-Pot Synthesis of 1,3-Oxazolidines and 1,3-Oxazinanes via Hemiaminal Intermediates. <i>Organic Letters</i> , 2014, 16, 4098-4101.	2.4	62
33	Stereoselective Aza-Diels-Alder Reactions. <i>Current Organic Chemistry</i> , 2006, 10, 981-1005.	0.9	57
34	Enantioselective Synthesis of Chiral Oxime Ethers: Desymmetrization and Dynamic Kinetic Resolution of Substituted Cyclohexanones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2454-2458.	7.2	46
35	Ligand-Free Copper-Catalyzed Arylation of Amidines. <i>Journal of Organic Chemistry</i> , 2011, 76, 1456-1459.	1.7	41
36	Pd-Catalyzed C4-Olefination of Oxazoles via C-H Bond Activation: Divergent Synthesis of Functionalized Amino Alcohol and Amino Acid Derivatives. <i>Organic Letters</i> , 2011, 13, 5040-5043.	2.4	39

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37	Copper-Catalyzed Guanidinylation of Aryl Iodides: The Formation of <i>N,N</i> -Disubstituted Guanidines. <i>Organic Letters</i> , 2010, 12, 1316-1319.	2.4	37
38	Chiral Phosphoric Acid Catalyzed Addition of Dihydropyrans to <i>N</i> -Acyl Imines: Stereocontrolled Access to Enantioenriched Spirocyclic Oxazoletetrahydropyrans with Three Contiguous Stereocenters. <i>Organic Letters</i> , 2010, 12, 1960-1963.	2.4	36
39	Chiral metal phosphate catalysis: highly asymmetric hetero-Diels-Alder reactions. <i>Chemical Communications</i> , 2014, 50, 14187-14190.	2.2	28
40	Lithium BINOL Phosphate Catalyzed Desymmetrization of <i>meso</i> -Epoxides with Aromatic Thiols. <i>Organic Letters</i> , 2014, 16, 5548-5551.	2.4	27
41	Catalytic One-Pot Double Asymmetric Cascade Reaction: Synthesis of Chlorinated Oxindoles and Geminal Diamines. <i>ACS Catalysis</i> , 2019, 9, 1748-1752.	5.5	24
42	Catalytic Enantioselective Diels-Alder Reactions of Benzoquinones and Vinylindoles with Chiral Magnesium Phosphate Complexes. <i>Organic Letters</i> , 2019, 21, 4549-4553.	2.4	22
43	Catalytic Asymmetric C-7 Friedel-Crafts Alkylation/ <i>N</i> -Hemiacetalization of 4-Aminoindoles. <i>Organic Letters</i> , 2021, 23, 3010-3014.	2.4	21
44	Chiral Phosphoric Acid Catalyzed Asymmetric Synthesis of Hetero- <i>triarylmethanes</i> from Racemic Indolyl Alcohols. <i>Angewandte Chemie</i> , 2018, 130, 11170-11174.	1.6	18
45	Catalytic Asymmetric Transfer Hydrogenation of <i>trans</i> -Chalcone Derivatives Using BINOL-derived Boro-phosphates. <i>Organic Letters</i> , 2020, 22, 5953-5957.	2.4	16
46	Palladium-Catalyzed Tunable Functionalization of Allylic Imidates: Regioselective Aminodiacyloxylation and Aziridination. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8927-8930.	7.2	14
47	Catalytic Asymmetric 1,4-Reduction of β -Branched 2-Vinyl-azaarenes by a Chiral SPINOL-Derived Borophosphate. <i>ACS Catalysis</i> , 2020, 10, 10914-10919.	5.5	14
48	Bi(cyclopentyl)diol-Derived Boronates in Highly Enantioselective Chiral Phosphoric Acid-Catalyzed Allylation, Propargylation, and Crotylation of Aldehydes. <i>Journal of Organic Chemistry</i> , 2020, 85, 12988-13003.	1.7	12
49	Enantioselective Synthesis of Chiral Oxime Ethers: Desymmetrization and Dynamic Kinetic Resolution of Substituted Cyclohexanones. <i>Angewandte Chemie</i> , 2017, 129, 2494-2498.	1.6	11
50	Imine Amidation Catalyzed by a Chiral VAPOL Calcium Phosphate. <i>Organic Letters</i> , 2020, 22, 5958-5962.	2.4	11
51	Catalytic Asymmetric Aziridination with Arylborate Catalysts Derived from VAPOL and VANOL Ligands This work was supported by the National Institutes of Health and was performed at the University of Chicago. VAPOL=2,2'-diphenyl-. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4518-4521.	7.2	10
52	Chiral Calcium Phosphate Catalyzed Enantioselective Amination of 3-Aryl-2-benzofuranones. <i>Organic Letters</i> , 2020, 22, 8101-8105.	2.4	9
53	In Vitro Evaluation of Guanidine Analogs as Sigma Receptor Ligands for Potential Anti-Stroke Therapeutics. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 344, 155-166.	1.3	8
54	Palladium-Catalyzed Enantioselective C(sp ³)-H Arylation of 2-Propyl Azaaryls Enabled by an Amino Acid Ligand. <i>Organic Letters</i> , 2022, 24, 1286-1291.	2.4	8

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55	Gram-Scale Preparation of VAPOL Hydrogenphosphate: A Structurally Distinct Chiral Brønsted Acid. <i>Synthesis</i> , 2010, 2010, 2106-2109.	1.2	7
56	Structure-based pharmacophore models to probe anticancer activity of inhibitors of protein kinase B β (PKB β). <i>Chemical Biology and Drug Design</i> , 2019, 93, 325-336.	1.5	7
57	Catalytic Asymmetric Reduction of α -Trifluoromethylated Imines with Catecholborane by BINOL-Derived Boro-phosphates. <i>Journal of Organic Chemistry</i> , 2021, 86, 4336-4345.	1.7	6
58	Acylation of 2-benzylpyridine N-oxides and subsequent in situ [3,3]-sigmatropic rearrangement reaction. <i>Tetrahedron Letters</i> , 2020, 61, 152401.	0.7	4
59	Enantioselective amination of α -keto esters catalyzed by chiral calcium phosphates. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	4
60	Chiral Phosphoric Acid-Catalyzed Enantio- and Diastereoselective Allylboration of Aldehydes with α,β -Substituted Allylboronates. <i>Journal of Organic Chemistry</i> , 0, , .	1.7	4
61	Chiral Calcium Phosphate-Catalyzed Enantioselective Amination of 3-Aryl-2-oxindoles with Dibenzyl Azodicarboxylate. <i>Journal of Organic Chemistry</i> , 2022, 87, 8203-8212.	1.7	3
62	Design and synthesis of new alkyl-based chiral phosphoric acid catalysts. <i>Chirality</i> , 2019, 31, 592-602.	1.3	1