

# Daisuke Uraguchi

## List of Publications by Year in descending order

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99  
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61984

43  
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58581

82  
g-index

155  
all docs

155  
docs citations

155  
times ranked

4238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Brønsted Acid-Catalyzed Direct Mannich Reactions via Electrophilic Activation. <i>Journal of the American Chemical Society</i> , 2004, 126, 5356-5357.	13.7	1,430
2	Organocatalytic Asymmetric Aza-Friedel-Crafts Alkylation of Furan. <i>Journal of the American Chemical Society</i> , 2004, 126, 11804-11805.	13.7	351
3	Synergistic Catalysis of Ionic Brønsted Acid and Photosensitizer for a Redox Neutral Asymmetric $\beta$ -Coupling of <i>N</i> -Arylaminoethanes with Aldimines. <i>Journal of the American Chemical Society</i> , 2015, 137, 13768-13771.	13.7	294
4	Chiral Organic Ion Pair Catalysts Assembled Through a Hydrogen-Bonding Network. <i>Science</i> , 2009, 326, 120-123.	12.6	219
5	Chiral Tetraaminophosphonium Salt-Mediated Asymmetric Direct Henry Reaction. <i>Journal of the American Chemical Society</i> , 2007, 129, 12392-12393.	13.7	208
6	Organocatalytic Asymmetric Direct Alkylation of $\beta$ -Diazoester via C-H Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2005, 127, 9360-9361.	13.7	197
7	Chiral Tetraaminophosphonium Carboxylate-Catalyzed Direct Mannich-Type Reaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 14088-14089.	13.7	188
8	Trifluoromethylation of various aromatic compounds by CF <sub>3</sub> I in the presence of Fe(II) compound, H <sub>2</sub> O <sub>2</sub> and dimethylsulfoxide. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 98-105.	1.7	187
9	Highly Regio-, Diastereo-, and Enantioselective 1,6- and 1,8-Additions of Azlactones to Di- and Trienyl <i>N</i> -Acylpyrroles. <i>Journal of the American Chemical Society</i> , 2012, 134, 19370-19373.	13.7	155
10	Chiral Phosphoric Acid-Catalyzed Enantioselective Aza-Friedel-Crafts Reaction of Indoles. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1863-1867.	4.3	154
11	Cp <sub>2</sub> Ni-KOt-Bu-BEt <sub>3</sub> (or PPh <sub>3</sub> ) Catalyst System for Direct C-H Arylation of Benzene, Naphthalene, and Pyridine. <i>Organic Letters</i> , 2009, 11, 2679-2682.	4.6	146
12	Chiral Ammonium Betaines: A Bifunctional Organic Base Catalyst for Asymmetric Mannich-Type Reaction of $\beta$ -Nitrocarboxylates. <i>Journal of the American Chemical Society</i> , 2008, 130, 10878-10879.	13.7	143
13	Generation of Chiral Phosphonium Dialkyl Phosphite as a Highly Reactive <i>P</i> -Nucleophile: Application to Asymmetric Hydrophosphonylation of Aldehydes. <i>Journal of the American Chemical Society</i> , 2009, 131, 3836-3837.	13.7	139
14	Site-Directed Asymmetric Quaternization of a Peptide Backbone at a C-Terminal Azlactone. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 733-737.	13.8	114
15	Chiral Arylamino-phosphonium Barfates as a New Class of Charged Brønsted Acid for the Enantioselective Activation of Nonionic Lewis Bases. <i>Journal of the American Chemical Society</i> , 2009, 131, 7242-7243.	13.7	112
16	Catalytic Asymmetric Direct Henry Reaction of Ynals: Short Syntheses of (2 <i>S</i> ,3 <i>R</i> )-Kestonaminol...C and ( $\beta$ )-Codonopsinines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7562-7565.	13.8	110
17	Base-Catalyzed Direct Aldolization of $\beta$ -Alkyl- $\alpha$ -Hydroxy Trialkyl Phosphonoacetates. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4685-4689.	13.8	104
18	A femtomolar-range suicide germination stimulant for the parasitic plant <i>Striga hermonthica</i> . <i>Science</i> , 2018, 362, 1301-1305.	12.6	101

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19	Regio- and Enantiospecific Rhodium-Catalyzed Arylation of Unsymmetrical Fluorinated Acyclic Allylic Carbonates: Inversion of Absolute Configuration. <i>Journal of the American Chemical Society</i> , 2003, 125, 7158-7159.	13.7	90
20	Catalytic Asymmetric Allylation of Aldehydes and Related Reactions with Bis(( <i>S</i> -binaphthoxy)(isopropoxy)titanium) Oxide as a $\lambda^4$ -Oxo-Type Chiral Lewis Acid. <i>Chemistry - A European Journal</i> , 2003, 9, 4405-4413.	3.3	86
21	Chiral Ammonium Betaines as Ionic Nucleophilic Catalysts. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5567-5569.	13.8	81
22	Complete diastereodivergence in asymmetric 1,6-addition reactions enabled by minimal modification of a chiral catalyst. <i>Nature Communications</i> , 2017, 8, 14793.	12.8	79
23	Highly stereoselective Michael addition of azlactones to electron-deficient triple bonds under P-spiro chiral iminophosphorane catalysis: importance of protonation pathway. <i>Chemical Science</i> , 2013, 4, 1308.	7.4	77
24	Phosphorodiamidic Acid as a Novel Structural Motif of Brønsted Acid Catalysts for Direct Mannich Reaction of <i>N</i> -Acyl Imines with 1,3-Dicarbonyl Compounds. <i>Synlett</i> , 2006, 2006, 0133-0136.	1.8	74
25	Organoaluminum-catalyzed new alkylation of tert-alkyl fluorides: Synthetic utility of Al—F interaction. <i>Tetrahedron Letters</i> , 1997, 38, 5679-5682.	1.4	73
26	Catalytic Asymmetric Protonation of $\alpha$ -Amino Acid-Derived Ketene Disilyl Acetals Using <i>P</i> -Spiro Diaminodioxaphosponium Barfates as Chiral Proton. <i>Journal of the American Chemical Society</i> , 2010, 132, 12240-12242.	13.7	72
27	Stereodivergent Construction of Cyclic Ethers by a Regioselective and Enantiospecific Rhodium-Catalyzed Allylic Etherification: Total Synthesis of Gaur Acid. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4788-4791.	13.8	70
28	Enantioselective reductive multicomponent coupling reactions between isatins and aldehydes. <i>Chemical Science</i> , 2015, 6, 6086-6090.	7.4	69
29	Flexible synthesis, structural determination, and synthetic application of a new C1-symmetric chiral ammonium betaine. <i>Chemical Communications</i> , 2010, 46, 300-302.	4.1	68
30	Independence from the Sequence of Single-Electron Transfer of Photoredox Process in Redox-Neutral Asymmetric Bond-Forming Reaction. <i>Journal of Organic Chemistry</i> , 2016, 81, 6953-6958.	3.2	63
31	Catalytic asymmetric hydrophosphonylation of ynones. <i>Chemical Science</i> , 2010, 1, 488.	7.4	62
32	Hypercoordination of Boron and Aluminum: Synthetic Utility as Chelating Lewis Acids. <i>Journal of the American Chemical Society</i> , 1998, 120, 5327-5328.	13.7	61
33	Chiral ionic Brønsted acid–achiral Brønsted base synergistic catalysis for asymmetric sulfa-Michael addition to nitroolefins. <i>Chemical Science</i> , 2012, 3, 3161.	7.4	59
34	Catalytic Asymmetric Oxidation of <i>N</i> -Sulfonyl Imines with Hydrogen Peroxide–Trichloroacetonitrile System. <i>Journal of the American Chemical Society</i> , 2013, 135, 8161-8164.	13.7	57
35	Urea as a Redox-Active Directing Group under Asymmetric Photocatalysis of Iridium-Chiral Borate Ion Pairs. <i>Journal of the American Chemical Society</i> , 2020, 142, 19462-19467.	13.7	57
36	Highly <i>E</i> -selective and Enantioselective Michael Addition to Electron-Deficient Internal Alkynes Under Chiral Iminophosphorane Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9954-9957.	13.8	55

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37	Highly stereoselective catalytic conjugate addition of acyl anion equivalent to nitroolefins. <i>Chemical Science</i> , 2012, 3, 842-845.	7.4	49
38	Syntheses of 2-(trifluoromethyl)-1,3-dicarbonyl compounds through direct trifluoromethylation with CF <sub>3</sub> I and their application to fluorinated pyrazoles syntheses. <i>Tetrahedron</i> , 2012, 68, 2636-2649.	1.9	49
39	Performance of C <sub>1</sub> -symmetric chiral ammonium betaines as catalysts for the enantioselective Mannich-type reaction of $\hat{\pm}$ -nitrocarboxylates. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1189-1190.	1.8	44
40	Ionic Nucleophilic Catalysis of Chiral Ammonium Betaines for Highly Stereoselective Aldol Reaction from Oxindole-Derived Vinylic Carbonates. <i>Journal of the American Chemical Society</i> , 2012, 134, 6972-6975.	13.7	44
41	Catalyst-Enabled Site-Divergent Stereoselective Michael Reactions: Overriding Intrinsic Reactivity of Enynyl Carbonyl Acceptors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4732-4736.	13.8	44
42	Catalytic trifluoromethylation of uracil to 5-trifluoromethyluracil by use of CF <sub>3</sub> I and its industrial applications. <i>Applied Catalysis A: General</i> , 2008, 342, 137-143.	4.3	42
43	Development of P-Spiro Chiral Aminophosphonium Salts as a New Class of Versatile Organic Molecular Catalyst. Yuki Gosei Kagaku Kyokaishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2010, 68, 1185-1194.	0.1	42
44	Acridinium Betaine as a Single-Electron-Transfer Catalyst: Design and Application to Dimerization of Oxindoles. <i>ACS Catalysis</i> , 2017, 7, 2765-2769.	11.2	41
45	Inserting Nitrogen: An Effective Concept To Create Nonplanar and Stimuli-Responsive Perylene Bisimide Analogues. <i>Journal of the American Chemical Society</i> , 2019, 141, 19807-19816.	13.7	40
46	Catalytic Asymmetric Direct Henry Reaction of Ynals: Short Syntheses of (2 <i>S</i> ,3 <i>R</i> )- $\hat{\pm}$ -Kestonaminol...C and ( $\hat{\pm}$ )-Codonopsinines. <i>Angewandte Chemie</i> , 2010, 122, 7724-7727.	2.9	33
47	Enantioselective formal $\hat{\pm}$ -allylation of nitroalkanes through a chiral iminophosphorane-catalyzed Michael reaction-Julia-Kocienski olefination sequence. <i>Chemical Communications</i> , 2014, 50, 3491-3493.	4.1	33
48	Nitroolefins as a Nucleophilic Component for Highly Stereoselective Aza Henry Reaction under the Catalysis of Chiral Ammonium Betaines. <i>Chemistry - A European Journal</i> , 2012, 18, 8306-8309.	3.3	32
49	Catalytic asymmetric Payne oxidation under the catalysis of P-spiro chiral triaminoiminophosphorane: application to the synthesis of N-sulfonyl oxaziridines. <i>Tetrahedron</i> , 2014, 70, 1691-1701.	1.9	32
50	Controlled Assembly of Chiral Tetraaminophosphonium Aryloxide-Arylhydroxide(s) in Solution. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3681-3683.	13.8	31
51	N-Sulfonyl $\hat{\pm}$ -imino ester-derived chiral oxaziridines: catalytic asymmetric synthesis and application as a modular chiral organic oxidant. <i>Chemical Communications</i> , 2017, 53, 6999-7002.	4.1	31
52	Diastereo- and Enantioselective Direct Henry Reaction of Pyruvates Mediated by Chiral P-Spiro Tetraaminophosphonium Salts. <i>Chemistry Letters</i> , 2009, 38, 1052-1053.	1.3	28
53	Synthesis of $\hat{\pm}$ -trifluoromethylstyrene derivatives via Ni-catalyzed cross-coupling of 2-bromo-3,3,3-trifluoropropene and aryl Grignard reagents. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 591-594.	1.7	27
54	Unique site-selectivity control in asymmetric Michael addition of azlactone to alkenyl dienyl ketones enabled by P-spiro chiral iminophosphorane catalysis. <i>Chemical Communications</i> , 2017, 53, 5495-5498.	4.1	26

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55	Catalyst-Directed Guidance of Sulfur-Substituted Enediolates to Stereoselective Carbon–Carbon Bond Formation with Aldehydes. <i>Journal of the American Chemical Society</i> , 2018, 140, 5110-5117.	13.7	25
56	Enantioselective protonation of $\hat{\pm}$ -hetero carboxylic acid-derived ketene disilyl acetals under chiral ionic Brønsted acid catalysis. <i>Chemical Communications</i> , 2014, 50, 13489-13491.	4.1	23
57	Chiral Ammonium Betaine-Catalyzed Highly Stereoselective Aza-Henry Reaction of $\hat{\pm}$ -Aryl Nitromethanes with Aromatic $\hat{\pm}$ -Boc Imines. <i>Chemistry - an Asian Journal</i> , 2015, 10, 334-337.	3.3	22
58	Catalytic asymmetric synthesis of 5-membered alicyclic $\hat{\pm}$ -quaternary $\hat{\pm}$ -amino acids via [3 + 2]-photocycloaddition of $\hat{\pm}$ -substituted acrylates. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1744-1747.	2.8	22
59	Organoaluminum-promoted selective addition to fluorinated carbonyl compounds via pentacoordinate trialkylaluminum complexes. <i>Tetrahedron Letters</i> , 1998, 39, 7105-7108.	1.4	21
60	Efficient asymmetric catalysis of chiral organoaluminum complex for enantioselective ene reactions of aldehydes. <i>Tetrahedron Letters</i> , 2004, 45, 4481-4484.	1.4	20
61	Efficient synthetic protocol for substituted guanidines via copper(I)-mediated intermolecular amination of isothiourea derivatives. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 545-549.	1.8	20
62	Molecular Design, Synthesis, and Asymmetric Catalysis of a Hexacoordinated Chiral Phosphate Ion. <i>Journal of the American Chemical Society</i> , 2018, 140, 2765-2768.	13.7	20
63	Photocatalytic borylcyclopropanation of $\hat{\pm}$ -boryl styrenes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1734-1737.	4.5	20
64	Unveiling Latent Photoreactivity of Imines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3665-3670.	13.8	19
65	Vinyllog in nitronates: utilization of $\hat{\pm}$ -aryl conjugated nitroolefins as a nucleophile for a highly stereoselective aza-Henry reaction. <i>Chemical Communications</i> , 2015, 51, 4437-4439.	4.1	18
66	Origin of High Regio-, Diastereo-, and Enantioselectivities in 1,6-Addition of Azlactones to Dienyl $\hat{\pm}$ -Acylpyrroles: A Computational Study. <i>Journal of Organic Chemistry</i> , 2017, 82, 541-548.	3.2	18
67	A Structurally Robust Chiral Borate Ion: Molecular Design, Synthesis, and Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11456-11461.	13.8	18
68	Synthesis of $\hat{\pm}$ -trifluoromethylstyrene derivatives via Pd-catalyzed cross-coupling of 2-bromo-3,3,3-trifluoropropene and arylmagnesium bromides. <i>Journal of Molecular Catalysis A</i> , 2009, 302, 7-10.	4.8	17
69	[5.5]-Spirocyclic Chiral Triaminoiminophosphorane-Catalyzed Asymmetric Hydrophosphonylation of Aldehydes and Ynones. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 546-555.	3.2	16
70	Catalyst-Enabled Site-Divergent Stereoselective Michael Reactions: Overriding Intrinsic Reactivity of Enynyl Carbonyl Acceptors. <i>Angewandte Chemie</i> , 2018, 130, 4822-4826.	2.0	16
71	Allenedicarboxylate as a Stereochemically Labile Electrophile for Chiral Organic Base-catalyzed Stereoselective Michael Addition. <i>Chemistry Letters</i> , 2018, 47, 594-597.	1.3	15
72	Hypercoordination of aluminum: Evidence for the implication of pentacoordinate complexes in the R <sub>2</sub> AlCl-promoted reduction of alkoxy carbonyl substrates. <i>Tetrahedron Letters</i> , 1999, 40, 2993-2996.	1.4	13

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73	Chiral ammonium betaine-catalyzed asymmetric Mannich-type reaction of oxindoles. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2099-2103.	2.2	13
74	Pentacoordinate vs. Tetracoordinate complexation for alkoxy carbonyl compounds with dialkylboron triflates and trifluoroacetates. <i>Tetrahedron Letters</i> , 1998, 39, 8105-8108.	1.4	12
75	Redox-regulated divergence in photocatalytic addition of $\hat{1}\pm$ -nitro alkyl radicals to styrenes. <i>Chemical Communications</i> , 2020, 56, 11014-11017.	4.1	12
76	Enantioselective Aza-Michael Addition to Conjugated Nitroenynes Catalyzed by Chiral Arylaminophosphonium Barfates. <i>Synlett</i> , 2011, 2011, 1265-1267.	1.8	11
77	Unique Synthetic Utility of $\text{BF}_3\cdot\text{OEt}_2$ in the Highly Diastereoselective Reduction of Hydroxy Carbonyl and Dicarboxyl Substrates. <i>Organic Letters</i> , 2000, 2, 2015-2017.	4.6	9
78	Site-Selective Conjugate Addition Through Catalytic Generation of Ion-Pairing Intermediates. <i>Topics in Current Chemistry</i> , 2015, 372, 55-83.	4.0	9
79	Formal Hydroformylation of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Carboxylic Acids under Photoexcited Ketone Catalysis. <i>Chemistry Letters</i> , 2019, 48, 715-717.	1.3	9
80	Asymmetric Synthesis of $\hat{1}\pm, \hat{1}^2$ -Disubstituted $\hat{1}\pm$ -Amino Acids via Enantioselective Alkylation of Azlactones under Biphasic Conditions Using P-Spiro Chiral Tetraaminophosphonium Salts as a Phase-Transfer Catalyst. <i>Synlett</i> , 2009, 2009, 658-660.	1.8	8
81	The Practical Preparation of Chiral N-Sulfonyl Oxaziridines via Catalytic Asymmetric Payne Oxidation. <i>Synthesis</i> , 2014, 46, 871-878.	2.3	8
82	Chemistry of Ammonium Betaines: Application to Ion-Pair Catalysis for Selective Organic Transformations. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 1144-1153.	0.1	8
83	Synthesis of Chiral Tetraaminophosphonium Chlorides from N-Boc $\alpha$ -Amino Acid Esters. <i>Heterocycles</i> , 2008, 76, 1081.	0.7	8
84	Chemistry of Chelate-Type Hypervalent Boron and Aluminum: Utilization for Selective Organic Synthesis. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2000, 58, 14-22.	0.1	8
85	Stereoselective Aza-Henry Reaction of 3-Nitro-dihydro-2(1H)-quinolones with N-Boc-Aldimines under the Catalysis of Chiral Ammonium Betaines. <i>Heterocycles</i> , 2017, 94, 441.	0.7	6
86	Fenton reagent-catalyzed trifluoromethylation of enamines of 3-oxocarboxylates with $\text{CF}_3\text{I}$ . <i>Journal of Fluorine Chemistry</i> , 2016, 181, 1-6.	1.7	5
87	A Structurally Robust Chiral Borate Ion: Molecular Design, Synthesis, and Asymmetric Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 11553-11558.	2.0	2
88	Unveiling Latent Photoreactivity of Imines. <i>Angewandte Chemie</i> , 2020, 132, 3694-3699.	2.0	1
89	<i>o</i> -Quinone methide with overcrowded olefin component as a dehydridation catalyst under aerobic photoirradiation conditions. <i>Chemical Science</i> , 2021, 12, 2778-2783.	7.4	1
90	Lecture Tour upon Receiving the 10 <sup>th</sup> Lectureship Award MBLA. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2015, 73, 653-662.	0.1	1

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91	Regio- and Enantiospecific Rhodium-Catalyzed Arylation of Unsymmetrical Fluorinated Acyclic Allylic Carbonates: Inversion of Absolute Configuration.. ChemInform, 2003, 34, no.	0.0	0
92	Catalytic Asymmetric Allylation of Aldehydes and Related Reactions with Bis(((S)-binaphthoxy)(isopropoxy)titanium) Oxide as a 1/4-Oxo-Type Chiral Lewis Acid.. ChemInform, 2004, 35, no.	0.0	0
93	Chiral Broensted Acid-Catalyzed Direct Mannich Reactions via Electrophilic Activation.. ChemInform, 2004, 35, no.	0.0	0
94	Efficient Asymmetric Catalysis of Chiral Organoaluminum Complex for Enantioselective Ene Reactions of Aldehydes.. ChemInform, 2004, 35, no.	0.0	0
95	Organocatalytic Asymmetric Aza-Friedel-Crafts Alkylation of Furan.. ChemInform, 2005, 36, no.	0.0	0
96	Organocatalytic Asymmetric Direct Alkylation of $\alpha$ -Diazoester via C-H Bond Cleavage.. ChemInform, 2005, 36, no.	0.0	0
97	Inside Cover: Site-Directed Asymmetric Quaternization of a Peptide Backbone at a $\alpha$ -Terminal Azlactone (Angew. Chem. Int. Ed. 4/2009). Angewandte Chemie - International Edition, 2009, 48, 620-620.	13.8	0
98	Titelbild: Catalyst-Enabled Site-Divergent Stereoselective Michael Reactions: Overriding Intrinsic Reactivity of Enynyl Carbonyl Acceptors (Angew. Chem. 17/2018). Angewandte Chemie, 2018, 130, 4519-4519.	2.0	0
99	o-Quinone methide with overcrowded olefinic core as a catalytically-active surrogate of triarylmethyl cation for dehydrative oxidation of benzylic alcohols under aerobic photoirradiation conditions. Tetrahedron, 2021, , 132459.	1.9	0