

Kohsuke Aikawa

List of Publications by Year in descending order

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papers

2,028
citations

186265

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docs citations

47
times ranked

1783
citing authors

#	ARTICLE	IF	CITATIONS
1	Axial Chirality Control of Gold(biphep) Complexes by Chiral Anions: Application to Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6073-6077.	13.8	164
2	Umpolung of Fluoroform by C-Cl Bond Activation: Direct Difluoromethylation of Lithium Enolates. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9535-9538.	13.8	102
3	Stable but Reactive Perfluoroalkylzinc Reagents: Application in Ligand-Free Copper-Catalyzed Perfluoroalkylation of Aryl Iodides. <i>Chemistry - A European Journal</i> , 2015, 21, 96-100.	3.3	99
4	Synergistic Effect: Hydroalkoxylation of Allenes through Combination of Enantiopure BIPHEP-Gold Complexes and Chiral Anions. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3131-3135.	4.3	92
5	Copper-Catalyzed Difluoromethylation of Aryl Iodides with (Difluoromethyl)zinc Reagent. <i>Organic Letters</i> , 2016, 18, 3686-3689.	4.6	88
6	Catalytic Asymmetric Synthesis of Stable Oxetenes via Lewis Acid-Promoted [2 + 2] Cycloaddition. <i>Journal of the American Chemical Society</i> , 2011, 133, 20092-20095.	13.7	86
7	Highly Enantioselective Alkynylation of Trifluoropyruvate with Alkynylsilanes Catalyzed by the BINAP-Pd Complex: Access to \pm -Trifluoromethyl-Substituted Tertiary Alcohols. <i>Organic Letters</i> , 2010, 12, 5716-5719.	4.6	85
8	Development of (Trifluoromethyl)zinc Reagent as Trifluoromethyl Anion and Difluorocarbene Sources. <i>Organic Letters</i> , 2015, 17, 4996-4999.	4.6	85
9	Asymmetric Synergy between Chiral Dienes and Diphosphines in Cationic Rh(I)-Catalyzed Intramolecular [4 + 2] Cycloaddition. <i>Journal of the American Chemical Society</i> , 2006, 128, 12648-12649.	13.7	84
10	Rhodium-Catalyzed Hydrocarboxylation of Olefins with Carbon Dioxide. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3166-3170.	2.4	81
11	Copper(I)-Catalyzed Asymmetric Desymmetrization: Synthesis of Five-Membered-Ring Compounds Containing All-Carbon Quaternary Stereocenters. <i>Journal of the American Chemical Society</i> , 2012, 134, 10329-10332.	13.7	79
12	Palladium-Catalyzed Negishi Cross-Coupling Reaction of Aryl Halides with (Difluoromethyl)zinc Reagent. <i>Organic Letters</i> , 2016, 18, 3690-3693.	4.6	72
13	Direct Synthesis of a Trifluoromethyl Copper Reagent from Trifluoromethyl Ketones: Application to Trifluoromethylation. <i>Chemistry - A European Journal</i> , 2013, 19, 17692-17697.	3.3	69
14	Highly Enantioselective Alkenylation of Glyoxylate with Vinylsilane Catalyzed by Chiral Dicationic Palladium(II) Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 13922-13923.	13.7	61
15	General Synthetic Route to Chiral Flexible Biphenylphosphine Ligands: The Use of a Chiral Additive Enables the Preparation and Observation of Metal Complexes Incorporating the Enantiopure Form. <i>Organic Letters</i> , 2001, 3, 243-245.	4.6	55
16	Asymmetric catalysis based on tropos ligands. <i>Chemical Communications</i> , 2012, 48, 11050.	4.1	55
17	Direct Synthesis of Pentafluoroethyl Copper from Pentafluoropropionate as an Economical C ₂ F ₅ Source: Application to Pentafluoroethylation of Arylboronic Acids and Aryl Bromides. <i>Organic Letters</i> , 2014, 16, 3456-3459.	4.6	53
18	Palladium-Catalyzed Enantioselective Ene and Aldol Reactions with Isatins, Keto Esters, and Diketones: Reliable Approach to Chiral Tertiary Alcohols. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 62-65.	2.4	51

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19	Dynamic Chirality Control of (Xyl)-BIPHEP Ligands Leading to their Diastereomerically Pure Ru Complexes with a Chiral N-Substituted DPEN. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 284-288.	4.3	44
20	Cu-catalyzed trifluoromethylation of aryl iodides with trifluoromethylzinc reagent prepared in situ from trifluoromethyl iodide. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2404-2409.	2.2	43
21	Siladifluoromethylation and Difluoromethylation onto C(sp ³), C(sp ²), and C(sp) Centers Using Ruppert's Prakash Reagent and Fluoroform. <i>Organic Letters</i> , 2016, 18, 3354-3357.	4.6	40
22	Catalytic Asymmetric Synthesis of Tertiary Alcohols and Oxetenes Bearing a Difluoromethyl Group. <i>Organic Letters</i> , 2015, 17, 5108-5111.	4.6	35
23	±-Difluoromethylation on sp ³ Carbon of Nitriles Using Fluoroform and Ruppert's Prakash Reagent. <i>Organic Letters</i> , 2015, 17, 4882-4885.	4.6	34
24	Atropos but Achiral Tris(phosphanyl)biphenyl Ligands for Ru-Catalyzed Asymmetric Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5455-5458.	13.8	33
25	Axial chirality control of tropos BIPHEP's Rh complexes by chiral dienes: synergy effect in catalytic asymmetric hydrogenation. <i>Chemical Communications</i> , 2008, , 5095.	4.1	33
26	Helical Chirality Control of Palladium Complexes That Bear a Tetrakis(phosphanyl)terphenyl Ligand: Application as Asymmetric Lewis Acid Catalysts. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5458-5461.	13.8	32
27	Carbon-carbon bond cleavage for Cu-mediated aromatic trifluoromethylations and pentafluoroethylations. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2661-2670.	2.2	30
28	Effect of the trifluoromethyl group on torquoselectivity in the 4π ring-opening reaction of oxetenes: stereoselective synthesis of tetrasubstituted olefins. <i>Chemical Science</i> , 2014, 5, 410-415.	7.4	24
29	Catalytic Enantioselective Arylation of Glyoxylate with Arylsilanes: Practical Synthesis of Optically Active Mandelic Acid Derivatives. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2346-2350.	3.3	22
30	Stable Axial Chirality in Metal Complexes Bearing 4,4'-Substituted BIPHEPs: Application to Catalytic Asymmetric Carbon-Carbon Bond-Forming Reactions. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 201-208.	3.2	22
31	Lewis Acid Catalyzed Asymmetric Three-Component Coupling Reaction: Facile Synthesis of ±-Fluoromethylated Tertiary Alcohols. <i>Chemistry - A European Journal</i> , 2015, 21, 17565-17569.	3.3	14
32	Negative nonlinear effect in aquo palladium catalysis depending on tropos biphenylphosphine ligand chirality controlled by chiral diaminobinaphthyl activator. <i>Pure and Applied Chemistry</i> , 2004, 76, 537-540.	1.9	13
33	Direct Preparation of Trifluoromethylindium Reagents from Trifluoromethyl Iodide: Effective Trifluoromethylation and Perfluoroalkylation Reagents. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 7043-7047.	2.4	12
34	Dual chirality control of palladium(ii) complexes bearing tropos biphenyl diamine ligands. <i>Chemical Communications</i> , 2005, , 5799.	4.1	11
35	Cyclic-Protected Hexafluoroacetone as an Air-Stable Liquid Reagent for Trifluoromethylations. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4099-4104.	2.4	11
36	Dynamic Chirality Control of <i>tropos</i> DPCB's Digold Skeleton by Chiral Binaphthyl dicarboxylate. <i>Chemistry - an Asian Journal</i> , 2016, 11, 823-827.	3.3	8

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37	Asymmetric Synthesis of Antithrombotic Agent M55529: The First Enantioselective CyclicN,O-Acetal Formation. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2269-2272.	2.4	7
38	Asymmetric Synthesis of Antithrombotic Agents M58163 and M58169: Dynamic Kinetic Resolution in Amide Formation Catalyzed by La-Linked BINOL Complex. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5454-5457.	2.4	7
39	Copper-catalyzed asymmetric methylation of fluoroalkylated pyruvates with dimethylzinc. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 576-582.	2.2	7
40	Asymmetric Activation and Deactivation of Racemic Catalysts. , 0, , 221-257.		5
41	Dynamic Kinetic Resolution for the Catalytic Asymmetric Total Synthesis of Antithrombotic Agents M58163 and M58169. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 617-628.	4.3	4