

Jaiwook Park

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Recyclable Palladium Catalyst for Highly Selective $\hat{\pm}$ Alkylation of Ketones with Alcohols. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6913-6915.	7.2	229
2	Chemoenzymatic Dynamic Kinetic Resolution of Alcohols and Amines. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 999-1015.	1.2	213
3	Aminocyclopentadienyl Ruthenium Chloride: Catalytic Racemization and Dynamic Kinetic Resolution of Alcohols at Ambient Temperature. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2373-2376.	7.2	193
4	One-Pot Synthesis of Imines and Secondary Amines by Pd-Catalyzed Coupling of Benzyl Alcohols and Primary Amines. <i>Journal of Organic Chemistry</i> , 2009, 74, 2877-2879.	1.7	185
5	Dynamic kinetic resolutions and asymmetric transformations by enzymes coupled with metal catalysis. <i>Current Opinion in Biotechnology</i> , 2002, 13, 578-587.	3.3	184
6	Racemization catalysts for the dynamic kinetic resolution of alcohols and amines. <i>Coordination Chemistry Reviews</i> , 2008, 252, 647-658.	9.5	183
7	Palladium Nanoparticles Entrapped in Aluminum Hydroxide: $\hat{\pm}$ Dual Catalyst for Alkene Hydrogenation and Aerobic Alcohol Oxidation. <i>Organic Letters</i> , 2005, 7, 1077-1079.	2.4	175
8	Heterogeneous Copper Catalyst for the Cycloaddition of Azides and Alkynes without Additives under Ambient Conditions. <i>Organic Letters</i> , 2008, 10, 497-500.	2.4	175
9	Dynamic Kinetic Resolution of Primary Amines with a Recyclable Pd Nanocatalyst for Racemization. <i>Organic Letters</i> , 2007, 9, 1157-1159.	2.4	173
10	Aminocyclopentadienyl Ruthenium Complexes as Racemization Catalysts for Dynamic Kinetic Resolution of Secondary Alcohols at Ambient Temperature. <i>Journal of Organic Chemistry</i> , 2004, 69, 1972-1977.	1.7	169
11	(S)-Selective Dynamic Kinetic Resolution of Secondary Alcohols by the Combination of Subtilisin and an Aminocyclopentadienylruthenium Complex as the Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 11494-11495.	6.6	151
12	Dynamic Kinetic Resolution of Amines and Amino Acids by Enzyme $\hat{\pm}$ Metal Cocatalysis. <i>ChemCatChem</i> , 2011, 3, 271-277.	1.8	123
13	Dynamic Kinetic Resolution of Allylic Alcohols Mediated by Ruthenium- and Lipase-Based Catalysts. <i>Organic Letters</i> , 2000, 2, 2377-2379.	2.4	117
14	Acceptor-Free Alcohol Dehydrogenation by Recyclable Ruthenium Catalyst. <i>Organic Letters</i> , 2006, 8, 2543-2545.	2.4	115
15	Recyclable gold nanoparticle catalyst for the aerobic alcohol oxidation and C $\hat{\pm}$ C bond forming reaction between primary alcohols and ketones under ambient conditions. <i>Tetrahedron</i> , 2009, 65, 1461-1466.	1.0	114
16	One-pot synthesis of recyclable palladium catalysts for hydrogenations and carbon $\hat{\pm}$ carbon coupling reactions. <i>Tetrahedron Letters</i> , 2004, 45, 7057-7059.	0.7	112
17	Catalytic Synthesis of Silanols from Hydrosilanes and Applications. <i>ACS Catalysis</i> , 2012, 2, 1539-1549.	5.5	110
18	Air-Stable Racemization Catalyst for Dynamic Kinetic Resolution of Secondary Alcohols at Room Temperature. <i>Organic Letters</i> , 2005, 7, 4523-4526.	2.4	102

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19	Enzymatic resolution of secondary alcohols coupled with ruthenium-catalyzed racemization without hydrogen mediator. <i>Tetrahedron Letters</i> , 1999, 40, 6281-6284.	0.7	101
20	Rhodium and Iridium Nanoparticles Entrapped in Aluminum Oxyhydroxide Nanofibers: Catalysts for Hydrogenations of Arenes and Ketones at Room Temperature with Hydrogen Balloon. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2039-2047.	2.1	94
21	Heterogeneous Shvo-type ruthenium catalyst: dehydrogenation of alcohols without hydrogen acceptors. <i>Tetrahedron Letters</i> , 2004, 45, 4607-4610.	0.7	92
22	Dynamic kinetic resolution of secondary alcohols by enzyme-metal combinations in ionic liquid. <i>Green Chemistry</i> , 2004, 6, 471-474.	4.6	89
23	Practical Ruthenium/Lipase-Catalyzed Asymmetric Transformations of Ketones and Enol Acetates to Chiral Acetates. <i>Organic Letters</i> , 2000, 2, 2487-2490.	2.4	77
24	Rhodium nanoparticles entrapped in boehmite nanofibers: recyclable catalyst for arene hydrogenation under mild conditions. <i>Chemical Communications</i> , 2005, , 5667.	2.2	77
25	Postsynthetic Functionalization of a Hollow Silica Nanoreactor with Manganese Oxide-Immobilized Metal Nanocrystals Inside the Cavity. <i>Journal of the American Chemical Society</i> , 2013, 135, 15714-15717.	6.6	75
26	Efficient catalytic racemization of secondary alcohols. <i>Tetrahedron Letters</i> , 1998, 39, 5545-5548.	0.7	70
27	Lipase/Ruthenium-Catalyzed Dynamic Kinetic Resolution of Hydroxy Acids, Diols, and Hydroxy Aldehydes Protected with a Bulky Group. <i>Journal of Organic Chemistry</i> , 2001, 66, 4736-4738.	1.7	69
28	Characterization and Utility of N-Substituted Imines Synthesized from Alkyl Azides by Ruthenium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10851-10855.	7.2	68
29	Magnetically Separable Pd Catalyst for Highly Selective Epoxide Hydrogenolysis under Mild Conditions. <i>Organic Letters</i> , 2007, 9, 3417-3419.	2.4	67
30	C-H Activation Guided by Aromatic N-H Ketimines: Synthesis of Functionalized Isoquinolines Using Benzyl Azides and Alkynes. <i>Journal of Organic Chemistry</i> , 2014, 79, 9094-9103.	1.7	65
31	Highly Enantioselective Dynamic Kinetic Resolution of 1,2-Diarylethanol by a Lipase-Ruthenium Couple. <i>Organic Letters</i> , 2008, 10, 1295-1298.	2.4	64
32	Concerted Catalytic Reactions for Conversion of Ketones or Enol Acetates to Chiral Acetates. <i>Organic Letters</i> , 2000, 2, 409-411.	2.4	62
33	Ionic-Surfactant-Coated <i>Burkholderia cepacia</i> Lipase as a Highly Active and Enantioselective Catalyst for the Dynamic Kinetic Resolution of Secondary Alcohols. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10944-10948.	7.2	62
34	Air-Stable Racemization Catalysts for the Dynamic Kinetic Resolution of Secondary Alcohols. <i>Journal of Organic Chemistry</i> , 2007, 72, 6860-6864.	1.7	61
35	Ruthenium-Catalyzed, One-Pot Alcohol Oxidation-Wittig Reaction Producing \pm -Unsaturated Esters. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2943-2946.	1.2	53
36	Transformation of Silanes into Silanols using Water and Recyclable Metal Nanoparticle Catalysts. <i>ChemCatChem</i> , 2012, 4, 521-524.	1.8	53

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37	Chemoenzymatic Synthesis of Rivastigmine via Dynamic Kinetic Resolution as a Key Step. <i>Journal of Organic Chemistry</i> , 2010, 75, 3105-3108.	1.7	51
38	Synthesis of Optically Active Amino Acid Derivatives via Dynamic Kinetic Resolution. <i>Journal of Organic Chemistry</i> , 2009, 74, 9543-9545.	1.7	47
39	Kinetic and Dynamic Kinetic Resolution of Secondary Alcohols with Ionic-Surfactant-Coated <i>Burkholderia cepacia</i> Lipase: Substrate Scope and Enantioselectivity. <i>Journal of Organic Chemistry</i> , 2013, 78, 2571-2578.	1.7	46
40	Fast racemization and dynamic kinetic resolution of primary benzyl amines. <i>Tetrahedron Letters</i> , 2010, 51, 5581-5584.	0.7	42
41	Facile Synthesis of $(\text{S}-\text{Ph}_4\text{C}_4\text{COH})(\text{CO})_2\text{RuCl}$ and Catalytic Oxidation of Alcohols with Chloroform. <i>Organometallics</i> , 2002, 21, 5674-5677.	1.1	36
42	Asymmetric Reductive Acylation of Aromatic Ketoximes by Enzyme-Metal Cocatalysis. <i>Journal of Organic Chemistry</i> , 2008, 73, 4302-4304.	1.7	36
43	Highly efficient solvent-free catalytic hydrogenation of solid alkenes and nitro-aromatics using Pd nanoparticles entrapped in aluminum oxy-hydroxide. <i>Tetrahedron Letters</i> , 2010, 51, 4250-4252.	0.7	32
44	Photoactivated Racemization Catalyst for Dynamic Kinetic Resolution of Secondary Alcohols. <i>Journal of Organic Chemistry</i> , 2010, 75, 5740-5742.	1.7	31
45	Dynamic Kinetic Resolution of Diarylmethanols with an Activated Lipoprotein Lipase. <i>ACS Catalysis</i> , 2015, 5, 683-689.	5.5	29
46	Formation of an Iodide-Bridged Diruthenium Complex from $[(\text{S}-\text{Ph}_4\text{C}_4\text{COH})(\text{CO})_2\text{RuI}]$ and $[(\text{Ph}_4\text{C}_4\text{CO})(\text{CO})_2\text{Ru}]_2$: An Efficient Catalyst for Alcohol Oxidation with Ag_2O . <i>Organometallics</i> , 2009, 28, 4624-4627.	1.1	28
47	Chemoenzymatic synthesis of the calcimimetics (+)-NPS R-568 via asymmetric reductive acylation of ketoxime intermediate. <i>Tetrahedron Letters</i> , 2010, 51, 3536-3537.	0.7	28
48	<i>Candida antarctica</i> lipase A and <i>Pseudomonas stutzeri</i> lipase as a pair of stereocomplementary enzymes for the resolution of 1,2-diarylethanol and 1,2-diarylethanamines. <i>Tetrahedron Letters</i> , 2013, 54, 1185-1188.	0.7	26
49	Asymmetric Transformations of Acyloxyphenyl Ketones by Enzyme-Metal Multicatalysis. <i>Journal of Organic Chemistry</i> , 2002, 67, 9481-9483.	1.7	24
50	Synthesis of 2,5-Diaminoquinones by One-Pot Copper-Catalyzed Aerobic Oxidation of Hydroquinones and Addition Reaction of Amines. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2573-2578.	2.1	23
51	Substituent Effect on Catalytic Activities of $[(\text{S}-\text{Ar})_4\text{C}(\text{CO})_2\text{Ru}(\text{CO})_2\text{Cl}]$ in Racemization and DKR of Secondary Alcohols. <i>ChemCatChem</i> , 2011, 3, 354-359.	1.8	23
52	X-ray Structure and Reactivity of $(\text{S}-4\text{-tetraphenylcyclopentadienone})(\text{CO})_2\text{Ru}(\text{HOCHMe}_2)$: Unexpected Stability of the Neutral 2-Propanol-Ruthenium(0) Complex with Respect to β -Hydride Elimination. <i>Organometallics</i> , 2001, 20, 3370-3372.	1.1	22
53	Silylation of primary alcohols with recyclable ruthenium catalyst and hydrosilanes. <i>Tetrahedron Letters</i> , 2010, 51, 4573-4575.	0.7	22
54	Exploiting the Nucleophilicity of $\text{Ni}^{\text{II}}/\text{H}$ Imines: Synthesis of Enamides from Alkyl Azides and Acid Anhydrides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2769-2774.	2.1	22

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55	Highly Efficient and Chemoselective Ruthenium-Catalyzed Hydrosilylation of Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3363-3366.	2.1	21
56	Catalytic transformation of esters of 1,2-azido alcohols into β -amido ketones. <i>Chemical Communications</i> , 2016, 52, 6549-6552.	2.2	20
57	Synthesis of Enamides by Ruthenium-Catalyzed Reaction of Alkyl Azides with Acid Anhydrides in Ionic Liquid. <i>ChemCatChem</i> , 2015, 7, 4030-4034.	1.8	19
58	A Ru-catalyzed one-pot synthesis of homopropargylic amines from alkyl azides under photolytic conditions. <i>RSC Advances</i> , 2014, 4, 20632-20635.	1.7	17
59	Ruthenium Bisammine Complex and Its Reaction with Aryl Azides. <i>Organometallics</i> , 2017, 36, 3471-3476.	1.1	16
60	Recyclable Copper Catalyst for <i>meta</i> -Selective C-H Bond Arylation. <i>ChemCatChem</i> , 2011, 3, 1127-1129.	1.8	15
61	Novel Catalyst System for Hydrostannation of Alkynes. <i>Chemistry - A European Journal</i> , 2014, 20, 1267-1271.	1.7	15
62	Redox reaction between benzyl azides and aryl azides: concerted synthesis of aryl nitriles and anilines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1636-1641.	1.5	14
63	Chemoselective, Isomerization-Free Synthesis of <i>N</i> -Acyloximes from <i>N</i> -H Imines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1503-1507.	2.1	9
64	Fast and Complete Transimination of <i>N</i> -H Imines into <i>O</i> -Alkyl Oximes. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 316-319.	1.3	8
65	Highly enantioselective dynamic kinetic resolution of alkyl aryl carbinols carrying a trimethylsilyl group with a highly active lipoprotein lipase preparation. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 840-845.	1.8	8
66	Base-Free Dynamic Kinetic Resolution of Secondary Alcohols with a Ruthenium-Lipase Couple. <i>Journal of Organic Chemistry</i> , 2019, 84, 16293-16298.	1.7	8
67	Synthesis of Piperidones from Benzyl Azides and Acetone. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 3433-3436.	1.0	7
68	Stereoselective Synthesis of Highly Substituted β -Silylamines from Silylmethyl Azides under Ru Catalysis. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7577-7581.	1.2	7
69	A Stereoselective Access to Cyclic <i>cis</i> -1,2-Amino Alcohols from <i>trans</i> -1,2-Azido Alcohol Precursors. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1398-1404.	2.1	7
70	Synthesis of 1H-azadienes and application to one-pot organic transformations. <i>RSC Advances</i> , 2016, 6, 661-668.	1.7	7
71	Concurrent Formation of <i>N</i> -H Imines and Carbonyl Compounds by Ruthenium-Catalyzed C-C Bond Cleavage of β -Hydroxy Azides. <i>Organic Letters</i> , 2020, 22, 4608-4613.	2.4	7
72	Zinc-Mediated <i>syn</i> -Selective Crotylation of <i>N</i> -Unsubstituted Imines. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 441-444.	1.3	5

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73	Ionic-surfactant-coated subtilisin: activity, enantioselectivity, and application to dynamic kinetic resolution of secondary alcohols. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8836-8844.	1.5	5
74	Asymmetric Synthesis of Biaryl Diols via Dynamic Kinetic Resolution. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1028-1032.	1.0	3
75	Synthesis of aminocyclopentadienyl ruthenium chloride. <i>Inorganic Chemistry Communication</i> , 2004, 7, 988-989.	1.8	2
76	Generation of Nâ€“H Imines from Î±-Azidocarboxylic Acids through Ru-Catalyzed Decarboxylation. <i>Journal of Organic Chemistry</i> , 2021, 86, 17409-17417.	1.7	1
77	Heterogeneous Shvo-Type Ruthenium Catalyst: Dehydrogenation of Alcohols Without Hydrogen Acceptors.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
78	One-Pot Synthesis of Recyclable Palladium Catalysts for Hydrogenations and Carbon-Carbon Coupling Reactions.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
79	Catalysis by enzyme-metal combinations. , 2007, , 59-80.		0