

# Young Keun Chung

## List of Publications by Year in descending order

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63  
papers

2,522  
citations

186265

28  
h-index

197818

49  
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64  
all docs

64  
docs citations

64  
times ranked

2720  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal alkyne complexes: the Pauson-Khand reaction. <i>Coordination Chemistry Reviews</i> , 1999, 188, 297-341.	18.8	221
2	Catalytic version of the Intramolecular Pauson-Khand Reaction. <i>Journal of the American Chemical Society</i> , 1994, 116, 3159-3160.	13.7	173
3	Color Tuning of Cyclometalated Iridium Complexes through Modification of Phenylpyrazole Derivatives and Ancillary Ligand Based on ab Initio Calculations. <i>Organometallics</i> , 2005, 24, 1578-1585.	2.3	138
4	Synthesis of P- and S-Functionalized Chiral Imidazolium Salts and Their Rh and Ir Complexes. <i>Organometallics</i> , 2003, 22, 618-620.	2.3	133
5	The first Ru(II)-catalysed asymmetric hydrogen transfer reduction of aromatic ketones in aqueous media. <i>Chemical Communications</i> , 2001, , 2064-2065.	4.1	109
6	Colloidal cobalt nanoparticles: a highly active and reusable Pauson-Khand catalyst. <i>Chemical Communications</i> , 2001, , 2212-2213.	4.1	104
7	Ruthenium Nanoparticle-Catalyzed, Controlled and Chemoselective Hydrogenation of Nitroarenes using Ethanol as a Hydrogen Source. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2412-2418.	4.3	84
8	Synthesis of Novel Pd <sup>II</sup> -NCN Pincer Complexes Having Additional Nitrogen Coordination Sites and Their Application as Catalysts for the Heck Reaction. <i>Organometallics</i> , 2003, 22, 4715-4720.	2.3	83
9	Hydrogen-Free Cobalt-Rhodium Heterobimetallic Nanoparticle-Catalyzed Reductive Amination of Aldehydes and Ketones with Amines and Nitroarenes in the Presence of Carbon Monoxide and Water. <i>ACS Catalysis</i> , 2015, 5, 4846-4850.	11.2	82
10	Catalytic Pauson-Khand-type reactions and related carbonylative cycloaddition reactions. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2461-2480.	18.8	76
11	Heterobimetallic Cobalt/Rhodium Nanoparticle-Catalyzed Carbonylative Cycloaddition of 2-Alkynylanilines to Oxindoles. <i>Organic Letters</i> , 2008, 10, 4719-4721.	4.6	68
12	A Pauson-Khand-Type Reaction between Alkynes and Olefinic Aldehydes Catalyzed by Rhodium/Cobalt Heterobimetallic Nanoparticles: An Olefinic Aldehyde as an Olefin and CO Source. <i>Organic Letters</i> , 2004, 6, 1183-1186.	4.6	64
13	Reductive Cyclization of Diynes and Enynes Catalyzed by Allyl Platinum N-Heterocyclic Carbene Complexes. <i>Organometallics</i> , 2006, 25, 4240-4242.	2.3	62
14	Rhodium-Catalyzed Pauson-Khand-Type Reaction Using Alcohol as a Source of Carbon Monoxide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5138-5141.	13.8	52
15	Polymerization of carboxylic ester functionalized norbornenes catalyzed by (1-3-allyl)palladium complexes bearing N-heterocyclic carbene ligands. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3042-3052.	2.3	51
16	Potassium phosphate-catalyzed one-pot synthesis of 3-aryl-2-oxazolidinones from epoxides, amines, and atmospheric carbon dioxide. <i>Green Chemistry</i> , 2017, 19, 803-808.	9.0	50
17	Hollow and microporous catalysts bearing Cr <sup>III</sup> -F porphyrins for room temperature CO <sub>2</sub> fixation to cyclic carbonates. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23612-23619.	10.3	49
18	Immobilized Cobalt/Rhodium Heterobimetallic Nanoparticle-Catalyzed Silylcarbocyclization and Carbonylative Silylcarbocyclization of 1,6-Enynes. <i>Organic Letters</i> , 2003, 5, 4967-4970.	4.6	46

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19	Active and Recyclable Catalytic Synthesis of Indoles by Reductive Cyclization of 2-(2-Nitroaryl)acetonitriles in the Presence of Co <sup>II</sup> /Rh Heterobimetallic Nanoparticles with Atmospheric Hydrogen under Mild Conditions. <i>Organic Letters</i> , 2016, 18, 5508-5511.	4.6	45
20	Cobalt/Rhodium Heterobimetallic Nanoparticle-Catalyzed Oxidative Carbonylation of Amines in the Presence of Carbon Monoxide and Molecular Oxygen to Ureas. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1233-1237.	4.3	44
21	Poly(3,4-dimethyl-5-vinylthiazolium)/DBU-Catalyzed Thioesterification of Aldehydes with Thiols. <i>ChemCatChem</i> , 2016, 8, 318-321.	3.7	43
22	Poly(4-vinylimidazolium)s/Diazabicyclo[5.4.0]undec-7-ene/Zinc(II) Bromide-Catalyzed Cycloaddition of Carbon Dioxide to Epoxides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1955-1961.	4.3	41
23	Copper nanoparticle-catalyzed borylation of alkyl bromides with an organodiboron compound. <i>RSC Advances</i> , 2014, 4, 39755-39758.	3.6	40
24	Cobalt/rhodium heterobimetallic nanoparticle-catalyzed carbonylative [2+2+1] cycloaddition of allenes and bisallenes to Pauson-Khand-type reaction products. <i>Chemical Communications</i> , 2008, , 2388.	4.1	39
25	Cobalt-rhodium heterobimetallic nanoparticle-catalyzed reactions. <i>Dalton Transactions</i> , 2008, , 2369.	3.3	38
26	Catalytic asymmetric synthesis of cyclopentenones from propargyl malonates and allylic acetate by successive action of homogeneous palladium(ii) and cobalt on charcoal catalysts in a one-pot reaction. Electronic supplementary information (ESI) available: experimental details. See <a href="http://www.rsc.org/suppdata/cc/b1/b106836a/">http://www.rsc.org/suppdata/cc/b1/b106836a/</a> . <i>Chemical Communications</i> , 2001, , 2440-2441.	4.1	35
27	Hydrothiolation of Alkenes and Alkynes Catalyzed by 3,4-dimethyl-5-vinylthiazolium iodide and Poly(3,4-dimethyl-5-vinylthiazolium) iodide. <i>ChemCatChem</i> , 2016, 8, 2476-2481.	3.7	33
28	Transition-Metal-Free Poly(thiazolium) Iodide/1,8-Diazabicyclo[5.4.0]undec-7-ene/Phenazine-Catalyzed Esterification of Aldehydes with Alcohols. <i>Organic Letters</i> , 2017, 19, 3787-3790.	4.6	30
29	Synthesis of planar chiral tricarbonylcyclopentadienylmanganese complexes using a Mn(CO) <sub>3</sub> + transfer reaction. <i>Chemical Communications</i> , 2001, , 1290-1291.	4.1	28
30	Iridium(I)-Catalyzed Cycloisomerization of Cyclohexadienyl Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 317-322.	4.3	27
31	The strategy for Co <sub>2</sub> (CO) <sub>8</sub> -catalyzed double carbonylative [2+2+1] cycloaddition or [2+2+2] cycloaddition reaction of triynes: a new synthetic method for tetracyclic compounds. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 141-144.	1.3	26
32	Rh-Catalyzed Reductive Cyclization of Enynes Using Ethanol as a Source of Hydrogen. <i>Chemistry - A European Journal</i> , 2011, 17, 10852-10856.	3.3	26
33	Phosphine-Free Palladium-Catalyzed Direct Bisarylation of Pyrroles with Aryl Iodides on Water. <i>Journal of Organic Chemistry</i> , 2015, 80, 5302-5307.	3.2	24
34	Bimetallic Cobalt-Rhodium Nanoparticle-Catalyzed Reductive Amination of Aldehydes with Nitroarenes Under Atmospheric Hydrogen. <i>Journal of Organic Chemistry</i> , 2017, 82, 12771-12777.	3.2	24
35	Poly(4-vinylimidazolium) iodides: a highly recyclable organocatalyst precursor for benzoin condensation reaction. <i>RSC Advances</i> , 2014, 4, 32371-32374.	3.6	23
36	Rhodium-Catalyzed Synthesis of Imines and Esters from Benzyl Alcohols and Nitroarenes: Change in Catalyst Reactivity Depending on the Presence or Absence of the Phosphine Ligand. <i>Journal of Organic Chemistry</i> , 2018, 83, 4197-4203.	3.2	21

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37	Rhodium-Catalyzed [4+2+2] Cycloaddition Reaction of Two Enynes or Diynes with One Diene to Give Eight-Membered Ring Compounds. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2531-2539.	4.3	20
38	Cobalt-Rhodium Heterobimetallic Nanoparticle-Catalyzed N-Alkylation of Amines with Alcohols to Secondary and Tertiary Amines. <i>Journal of Organic Chemistry</i> , 2018, 83, 8533-8542.	3.2	20
39	Tandem Platinum Dichloride Catalysis and Thermal Reaction of Enynes: Versatile Synthetic Platform Based on Bicyclo[4.1.0]hept-2-enes. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 179-186.	4.3	19
40	Rational Synthesis and Characterization of Robust Microporous Metal-Organic Frameworks with Base Functionality. <i>Crystal Growth and Design</i> , 2006, 6, 1059-1061.	3.0	18
41	Rhodium-Catalyzed Intermolecular Carbonylative [2 + 2 + 1] Cycloaddition of Alkynes Using Alcohol as the Carbon Monoxide Source for the Formation of Cyclopentenones. <i>Organic Letters</i> , 2017, 19, 1248-1251.	4.6	18
42	Formation and Characterization of Gallium(III) Complexes with Monoamide Derivatives of 1,4,7-Triazacyclononane-1,4,7-triacetic Acid: A Study of the Dependency of Structure on Reaction pH. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5432-5438.	2.0	17
43	Heterogenized Catalysts Containing Cobalt-Rhodium Heterobimetallic Nanoparticles for Olefin Hydroformylation. <i>Catalysis Letters</i> , 2009, 128, 483-486.	2.6	16
44	Ruthenium(ii) complexes incorporating the bidentate ligand containing an imidazolium moiety: synthesis, characterization, and electrochemical properties and their application in a visible-light induced hydrogen-evolving system. <i>New Journal of Chemistry</i> , 2013, 37, 3174.	2.8	16
45	Activation of C-Cl Bonds in Chloroalkanes by Nickel Oxide Nanoparticles: Formation of Tetrasubstituted Ammonium Salts from Tertiary Amines. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 411-416.	4.3	15
46	Palladium-catalyzed bisarylation of 3-alkylbenzofurans to 3-arylalkyl-2-arylbenzofurans on water: tandem C(sp <sup>3</sup> )-H and C(sp <sup>2</sup> )-H activation reactions of 3-alkylbenzofurans. <i>Chemical Communications</i> , 2015, 51, 14543-14546.	4.1	15
47	Reinvestigation of Nucleophilic Addition to the [(naphthalene)Mn(CO) <sub>3</sub> ] <sup>+</sup> Cation: Hydrogen Migration in [(exo-R-1-5-C10H <sub>8</sub> )Mn(CO) <sub>3</sub> ]. <i>Organometallics</i> , 2002, 21, 239-242.	2.3	13
48	Synthesis of carbamates from amines and N-tosylhydrazones under atmospheric pressure of carbon dioxide without an external base. <i>Organic Chemistry Frontiers</i> , 2016, 3, 764-767.	4.5	13
49	Novel smart ligand for immobilizing a highly efficient Rh-catalyst. <i>Chemical Communications</i> , 2001, , 1164-1165.	4.1	11
50	Conversion of Primary Amines to Symmetrical Secondary and Tertiary Amines using a Co-Rh Heterobimetallic Nanocatalyst. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1267-1272.	4.3	10
51	Synthesis of Dimanganese Complexes from the Reduction of Cationic Tricarbonylmanganese Styrene Derivatives. <i>Journal of the American Chemical Society</i> , 1997, 119, 7711-7715.	13.7	9
52	N-Heterocyclic Carbene (NHC)-Rhodium-Catalyzed Carbonylative C-C Bond Formation of Allenols with Arylboronic Acids under Carbon Monoxide. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2609-2613.	4.3	9
53	Color-Tunable Electrogenerated Chemiluminescence of Ruthenium N-Heterocyclic Carbene Complexes. <i>Electroanalysis</i> , 2013, 25, 1111-1115.	2.9	8
54	Palladium(II)-Catalyzed Transformation of 3-Alkylbenzofurans to [2,3-Bibenzofuran]-2-(3H)-ones: Oxidative Dimerization of 3-Alkylbenzofurans. <i>Journal of Organic Chemistry</i> , 2017, 82, 2237-2242.	3.2	8

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55	Rhodium-catalyzed synthesis of esters from aryl iodides and alcohols: use of alcohols with/without the assistance of aldehydes as carbon monoxide and nucleophile sources. RSC Advances, 2017, 7, 190-194.	3.6	7
56	Rhodium-Catalyzed Rearrangement Reaction of Azabicyclo[4.1.0]heptenes bearing Cyclopropyl and Aryl Groups to Arylhexahydroisoquinolines. ChemistryOpen, 2012, 1, 169-172.	1.9	6
57	Silver/NBS-Catalyzed Synthesis of $\beta$ -Alkylated Aryl Ketones from Internal Alkynes and Benzyl Alcohols via Ether Intermediates. Organic Letters, 2018, 20, 5583-5586.	4.6	6
58	Preparation and Reactivity of $[(\eta^6\text{-CH}_3\text{-}\eta^5\text{-2-sil-C}_6\text{H}_4)\text{Fe}(\text{CO})_3]\text{BF}_4$ (sil = Si(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N). Organometallics, 1996, 15, 5428-5431.	2.3	5
59	A Versatile Synthetic Platform Based on Bicyclo[4.1.0]heptenes. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 15-32.	3.7	3
60	Rhodium-Catalyzed Intramolecular [4+4] Cycloaddition of Bisdienes To Form Ring-Condensed 1,5-Cyclooctadienes. Synlett, 2016, 27, 455-460.	1.8	3
61	Palladium-Catalyzed Cyclization of Cyclopropyl-Substituted 1,6-Enynes to 5,7-Bicyclic Trienes or Monocyclic Trienes Depending upon the Leaving Group. Synlett, 2012, 23, 2657-2662.	1.8	2
62	Base-Catalyzed One-Pot Synthesis of Unsymmetrical Fluorenes from Aromatic <i>ortho</i> -Dialdehydes and 1,3-Dicarbonyl Compounds. ChemCatChem, 2016, 8, 1051-1054.	3.7	2
63	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2000, 38, 297-304.	1.6	0