

# Woo-Jin Yoo

## List of Publications by Year in descending order

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47  
papers

3,316  
citations

186265

28  
h-index

197818

49  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Oxidative Amidation of Aldehydes with Amine Hydrochloride Salts. <i>Journal of the American Chemical Society</i> , 2006, 128, 13064-13065.	13.7	416
2	Cross-Dehydrogenative Coupling Reactions of sp <sup>3</sup> -Hybridized C-H Bonds. <i>Topics in Current Chemistry</i> , 2009, 292, 281-302.	4.0	231
3	Catalytic enantioselective aldol reactions. <i>Chemical Society Reviews</i> , 2018, 47, 4388-4480.	38.1	229
4	Discovery of a Metalloenzyme-like Cooperative Catalytic System of Metal Nanoclusters and Catechol Derivatives for the Aerobic Oxidation of Amines. <i>Journal of the American Chemical Society</i> , 2012, 134, 13970-13973.	13.7	188
5	Effective Formylation of Amines with Carbon Dioxide and Diphenylsilane Catalyzed by Chelating bis( <i>trans</i> -NHC) Rhodium Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9209-9212.	13.8	147
6	Copper-Catalyzed Four-Component Coupling between Aldehydes, Amines, Alkynes, and Carbon Dioxide. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1503-1506.	4.3	131
7	Visible-Light-Mediated Chan-Lam Coupling Reactions of Aryl Boronic Acids and Aniline Derivatives. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6587-6590.	13.8	130
8	Efficient visible light-mediated cross-dehydrogenative coupling reactions of tertiary amines catalyzed by a polymer-immobilized iridium-based photocatalyst. <i>Green Chemistry</i> , 2014, 16, 2438-2442.	9.0	124
9	Copper-catalyzed oxidative esterification of alcohols with aldehydes activated by Lewis acids. <i>Tetrahedron Letters</i> , 2007, 48, 1033-1035.	1.4	117
10	Propargyl Amine Synthesis Catalysed by Gold and Copper Thin Films by Using Microwave-Assisted Continuous-Flow Organic Synthesis (MACOS). <i>Chemistry - A European Journal</i> , 2010, 16, 126-133.	3.3	114
11	Highly Stereoselective Oxidative Esterification of Aldehydes with $\beta$ -Dicarbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2006, 71, 6266-6268.	3.2	98
12	Hydrophosphinylation of unactivated alkenes with secondary phosphine oxides under visible-light photocatalysis. <i>Green Chemistry</i> , 2013, 15, 1844.	9.0	98
13	Base-Mediated Carboxylation of Unprotected Indole Derivatives with Carbon Dioxide. <i>Organic Letters</i> , 2012, 14, 5326-5329.	4.6	97
14	Synthesis of Isocoumarins through Three-Component Couplings of Alkynes, Terminal Alkynes, and Carbon Dioxide Catalyzed by an NHC-Copper Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10213-10217.	13.8	96
15	Visible Light-Mediated Ullmann-Type C-N Coupling Reactions of Carbazole Derivatives and Aryl Iodides. <i>Organic Letters</i> , 2015, 17, 3640-3642.	4.6	94
16	Sulfuryl Chloride as an Efficient Initiator for the Metal-Free Aerobic Cross-Dehydrogenative Coupling Reaction of Tertiary Amines. <i>Organic Letters</i> , 2014, 16, 2346-2349.	4.6	91
17	A Cooperative Catalytic System of Platinum/Iridium Alloyed Nanoclusters and a Dimeric Catechol Derivative: An Efficient Synthesis of Quinazolines Through a Sequential Aerobic Oxidative Process. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2899-2904.	4.3	86
18	Polymer-Incarcerated Gold-Palladium Nanoclusters with Boron on Carbon: A Mild and Efficient Catalyst for the Sequential Aerobic Oxidation-Michael Addition of 1,3-Dicarbonyl Compounds to Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2011, 133, 3095-3103.	13.7	70

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19	Reworking Organic Synthesis for the Modern Age: Synthetic Strategies Based on Continuous-Flow Addition and Condensation Reactions with Heterogeneous Catalysts. <i>Journal of Organic Chemistry</i> , 2020, 85, 5132-5145.	3.2	62
20	Facile Preparation of 2-Substituted Benzoxazoles and Benzothiazoles via Aerobic Oxidation of Phenolic and Thiophenolic Imines Catalyzed by Polymer-Encapsulated Platinum Nanoclusters. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3085-3089.	4.3	53
21	Chelating Bis(1,2,3-triazol-5-ylidene) Rhodium Complexes: Versatile Catalysts for Hydrosilylation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 452-458.	4.3	51
22	Efficient Synthesis of $\alpha$ -Trifluoromethyl Carboxylic Acids and Esters through Fluorocarboxylation of gem-Difluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6772-6775.	13.8	50
23	Rhodium-Catalyzed Intramolecular [4 + 2] Cycloadditions of Alkynyl Halides. <i>Organic Letters</i> , 2005, 7, 5853-5856.	4.6	43
24	A heterogeneous layered bifunctional catalyst for the integration of aerobic oxidation and asymmetric C-C bond formation. <i>Chemical Communications</i> , 2013, 49, 9917.	4.1	41
25	Antimony-Hydroxyphthalimide as a Catalyst System for Cross-Dehydrogenative Coupling Reactions under Aerobic Conditions. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 269-273.	4.3	41
26	Aerobic Oxidation of a Tertiary Aliphatic Amine Under Visible-Light Photocatalysis: Facile Synthesis of Methylene-Bridged Bis-1,3-dicarbonyl Compounds. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2764-2767.	3.3	39
27	A Nickel-Diamine/Mesoporous Silica Composite as a Heterogeneous Chiral Catalyst for Asymmetric 1,4-Addition Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13313-13317.	13.8	34
28	Incorporation of carbon dioxide into phthalides via ligand-free copper-catalyzed direct carboxylation of benzoxasiloles. <i>Green Chemistry</i> , 2017, 19, 2501-2505.	9.0	29
29	Knoevenagel Condensation of Aldehydes and Ketones with Alkyl Nitriles Catalyzed by Strongly Basic Anion Exchange Resins under Continuous-Flow Conditions. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2061-2064.	2.7	29
30	Zinc(II) Hexachloroantimonate-Catalyzed Oxidative Allylation of Glycine Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 1066-1069.	2.7	21
31	Lithium tert-Butoxide-Mediated Carboxylation Reactions of Unprotected Indoles and Pyrroles with Carbon Dioxide. <i>Heterocycles</i> , 2015, 90, 1196.	0.7	21
32	Integration of aerobic oxidation and intramolecular asymmetric aza-Friedel-Crafts reactions with a chiral bifunctional heterogeneous catalyst. <i>Chemical Science</i> , 2017, 8, 1356-1359.	7.4	20
33	Zirconium <sup>IV</sup> Zeolite-Catalyzed Continuous-Flow Friedel-Crafts Acylation Reaction. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 316-319.	2.7	20
34	Synthesis of Isocoumarins through Three-Component Couplings of Arynes, Terminal Alkynes, and Carbon Dioxide Catalyzed by an NHC-Copper Complex. <i>Angewandte Chemie</i> , 2014, 126, 10377-10381.	2.0	17
35	Palladium-Catalyzed Suzuki Couplings of 2,3-Dibromonorbornadiene: Synthesis of Symmetrical and Unsymmetrical Aryl-Substituted Norbornadienes. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1044-1051.	2.4	15
36	Efficient Synthesis of $\alpha$ -Trifluoromethyl Carboxylic Acids and Esters through Fluorocarboxylation of gem-Difluoroalkenes. <i>Angewandte Chemie</i> , 2019, 131, 6844-6847.	2.0	14

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37	Copper-Catalyzed Carboxylation of Aryl- and Alkenyltrialkoxysilanes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 116-118.	2.7	13
38	Oxidative transformation of N-substituted 2-aminophenols to 2-substituted benzoxazoles catalyzed by polymer-incarcerated and carbon-stabilized platinum nanoclusters. <i>Canadian Journal of Chemistry</i> , 2012, 90, 306-313.	1.1	11
39	Low-Valent Indium as a Catalyst for the Allylation of Ketones and <i>N</i> -Acyldiazones. <i>ChemSusChem</i> , 2009, 2, 205-206.	6.8	10
40	Oxidative Alkylation of Cyclic Benzyl Ethers with Malonates and Ketones Using Oxygen as the Terminal Oxidant. <i>Synlett</i> , 2009, 2009, 138-142.	1.8	8
41	A Nickel-Diamine/Mesoporous Silica Composite as a Heterogeneous Chiral Catalyst for Asymmetric 1,4-Addition Reactions. <i>Angewandte Chemie</i> , 2019, 131, 13447-13451.	2.0	8
42	Copper-catalyzed Carboxylation of Unactivated Aryl- and Alkenylsilanes with Carbon Dioxide. <i>Chemistry Letters</i> , 2019, 48, 1248-1250.	1.3	5
43	One-Pot Synthesis of $\alpha,\beta$ -Unsaturated $\gamma$ -Lactones and Lactams via a Sequential <i>trans</i> -Hydroalumination and Catalytic Carboxylation of Propargyl Alcohols and Amines with Carbon Dioxide. <i>Organic Letters</i> , 2020, 22, 2328-2332.	4.6	5
44	Enantioselective hydrophosphonylation of <i>N</i> -Boc imines using chiral guanidine-thiourea catalysts. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10560-10564.	2.8	5
45	Palladium-Catalyzed Suzuki Couplings of 2,3-Dibromonorbornadiene: Synthesis of Symmetrical (III) and Unsymmetrical (VI) Aryl-Substituted Norbornadienes.. <i>ChemInform</i> , 2005, 36, no.	0.0	1
46	THE PREPARATION OF AMIDES BY COPPER-MEDIATED OXIDATIVE COUPLING OF ALDEHYDES AND AMINE HYDROCHLORIDE SALTS. <i>Organic Syntheses</i> , 2011, 88, 14.	1.0	1
47	Rhodium-Catalyzed Intramolecular [4+2] Cycloadditions of Alkynyl Halides. <i>Synfacts</i> , 2006, 2006, 0239-0239.	0.0	0