

# Do Hyun Ryu

## List of Publications by Year in descending order

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93  
papers

3,308  
citations

147801

31  
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102  
docs citations

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times ranked

3383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triflimide Activation of a Chiral Oxazaborolidine Leads to a More General Catalytic System for Enantioselective Diels-Alder Addition. <i>Journal of the American Chemical Society</i> , 2003, 125, 6388-6390.	13.7	232
2	Broad-Spectrum Enantioselective Diels-Alder Catalysis by Chiral, Cationic Oxazaborolidines. <i>Journal of the American Chemical Society</i> , 2002, 124, 9992-9993.	13.7	197
3	Enantioselective Cyanosilylation of Ketones Catalyzed by a Chiral Oxazaborolidinium Ion. <i>Journal of the American Chemical Society</i> , 2005, 127, 5384-5387.	13.7	182
4	Highly Enantioselective Cyanosilylation of Aldehydes Catalyzed by a Chiral Oxazaborolidinium Ion. <i>Journal of the American Chemical Society</i> , 2004, 126, 8106-8107.	13.7	177
5	Enantioselective and Structure-Selective Diels-Alder Reactions of Unsymmetrical Quinones Catalyzed by a Chiral Oxazaborolidinium Cation. Predictive Selection Rules. <i>Journal of the American Chemical Society</i> , 2004, 126, 4800-4802.	13.7	132
6	Oxazaborolidinium Ion-Catalyzed Cyclopropanation of $\beta$ -Substituted Acroleins: Enantioselective Synthesis of Cyclopropanes Bearing Two Chiral Quaternary Centers. <i>Journal of the American Chemical Society</i> , 2011, 133, 20708-20711.	13.7	111
7	Enantioselective Synthesis of $\beta$ -Alkyl $\alpha$ -ketoesters: Asymmetric Roskamp Reaction Catalyzed by an Oxazaborolidinium Ion. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8322-8325.	13.8	82
8	Caloric restriction of db/db mice reverts hepatic steatosis and body weight with divergent hepatic metabolism. <i>Scientific Reports</i> , 2016, 6, 30111.	3.3	78
9	Catalytic Asymmetric Insertion of Diazoesters into Aryl-CHO Bonds: Highly Enantioselective Construction of Chiral All-Carbon Quaternary Centers. <i>Journal of the American Chemical Society</i> , 2013, 135, 14556-14559.	13.7	77
10	Enantioselective Synthesis of $\beta$ -keto $\alpha$ -Baylis-Hillman Esters by a Catalytic Asymmetric Three-Component Coupling Reaction. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4398-4401.	13.8	74
11	Catalytic enantioselective 1,3-dipolar cycloadditions of alkyl diazoacetates with $\beta$ , $\gamma$ -disubstituted acroleins. <i>Chemical Communications</i> , 2009, , 5460.	4.1	74
12	Secondary Metabolite Profiling of Curcuma Species Grown at Different Locations Using GC/TOF and UPLC/Q-TOF MS. <i>Molecules</i> , 2014, 19, 9535-9551.	3.8	69
13	<sup>1</sup> H NMR-based metabonomic assessment of probiotic effects in a colitis mouse model. <i>Archives of Pharmacal Research</i> , 2010, 33, 1091-1101.	6.3	68
14	A facile method for the rapid and selective deprotection of methoxymethyl (MOM) ethers. <i>Tetrahedron</i> , 2010, 66, 1673-1677.	1.9	63
15	Asymmetric Synthesis of Cyclobutanone via Lewis Acid Catalyzed Tandem Cyclopropanation/Sempinacol Rearrangement. <i>Journal of the American Chemical Society</i> , 2018, 140, 11184-11188.	13.7	63
16	Metabolite Profiling of <i>Angelica gigas</i> from Different Geographical Origins Using <sup>1</sup> H NMR and UPLC-MS Analyses. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 8806-8815.	5.2	61
17	Lipidomic Profiling of Liver Tissue from Obesity-Prone and Obesity-Resistant Mice Fed a High Fat Diet. <i>Scientific Reports</i> , 2015, 5, 16984.	3.3	58
18	Iridium Complexes Containing Bis(imidazoline thione) and Bis(imidazoline selone) Ligands for Visible-Light-Induced Oxidative Coupling of Benzylamines to Imines. <i>Organometallics</i> , 2013, 32, 3954-3959.	2.3	56

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19	Highly Enantioselective Mukaiyama Aldol Reactions Catalyzed by a Chiral Oxazaborolidinium Ion: Total Synthesis of (âˆ’)-Inthomycin C. <i>Organic Letters</i> , 2010, 12, 5088-5091.	4.6	52
20	Enantioselective Cyclopropanation with Î±-Alkyl-Î±-diazoesters Catalyzed by Chiral Oxazaborolidinium Ion: Total Synthesis of (+)-Hamavellone B. <i>Organic Letters</i> , 2016, 18, 160-163.	4.6	51
21	Enantioselective Carbonyl 1,2- or 1,4-Addition Reactions of Nucleophilic Silyl and Diazo Compounds Catalyzed by the Chiral Oxazaborolidinium Ion. <i>Accounts of Chemical Research</i> , 2019, 52, 2349-2360.	15.6	51
22	Catalytic Enantioselective Carbon Insertion into the Î²-Vinyl Câ€“H Bond of Cyclic Enones. <i>Journal of the American Chemical Society</i> , 2013, 135, 7126-7129.	13.7	49
23	Copper-Catalyzed Asymmetric Boryllallylation of Vinyl Arenes. <i>Organic Letters</i> , 2017, 19, 6144-6147.	4.6	48
24	Catalytic Asymmetric Formal Insertion of Aryldiazoalkanes into the Câ€“H Bond of Aldehydes: Synthesis of Enantioenriched Acyclic Î±-Tertiary Aryl Ketones. <i>Organic Letters</i> , 2015, 17, 4810-4813.	4.6	42
25	Effect of green tea on hepatic lipid metabolism in mice fed a high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2018, 51, 1-7.	4.2	39
26	Asymmetric Synthesis of Enantioenriched 2-aryl-2,3-dihydrobenzofurans by a Lewis Acid Catalyzed Cyclopropanation/Intramolecular Rearrangement Sequence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13427-13432.	13.8	38
27	Stereospecificity of Aminoglycoside~Ribosomal Interactions. <i>Biochemistry</i> , 2002, 41, 10499-10509.	2.5	35
28	<sc>Proline Derived Bifunctional Organocatalysts: Enantioselective Michael Addition of Dithiomalonates to <trans>-Î²-Nitroolefins. <i>Journal of Organic Chemistry</i> , 2016, 81, 3263-3274.	3.2	35
29	Catalytic Carbon Insertion into the Î²-Vinyl Câ€“H Bond of Cyclic Enones with Alkyl Diazoacetates. <i>Organic Letters</i> , 2013, 15, 1428-1431.	4.6	34
30	Planar Dâ€“A Organic Sensitizers for Thin-Film Photoanodes. <i>ACS Energy Letters</i> , 2017, 2, 1810-1817.	17.4	34
31	Gold-catalyzed [5+2] cycloaddition of quinolinium zwitterions and allenamides as an efficient route to fused 1,4-diazepines. <i>Chemical Communications</i> , 2018, 54, 6911-6914.	4.1	34
32	Nonparallelism between Reaction Rate and Dienophile~Catalyst Affinity in Catalytic Enantioselective Diels~Alder Reactions. <i>Organic Letters</i> , 2005, 7, 1633-1636.	4.6	33
33	1H NMR-Based Metabolite Profiling of Plasma in a Rat Model of Chronic Kidney Disease. <i>PLoS ONE</i> , 2014, 9, e85445.	2.5	32
34	Enantioselective Synthesis of <syn>-Î±-Aryl-Î²-hydroxy Weinreb Amides: Catalytic Asymmetric Roskamp Reaction of Î±-Aryl Diazo Weinreb Amides. <i>Organic Letters</i> , 2015, 17, 4746-4749.	4.6	31
35	Catalytic Enantioselective Synthesis of 2,5-dihydrooxepines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8663-8666.	13.8	29
36	Asymmetric Synthesis of Î±-Alkylidene-Î²-hydroxy-Î³-butyrolactones via Enantioselective Tandem Michael~Aldol Reaction. <i>Journal of Organic Chemistry</i> , 2013, 78, 770-775.	3.2	28

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37	Changes in serum metabolites with the stage of chronic kidney disease: Comparison of diabetes and non-diabetes. <i>Clinica Chimica Acta</i> , 2016, 459, 123-131.	1.1	28
38	Highly Enantioselective Hydrosilylation of Ketones Catalyzed by a Chiral Oxazaborolidinium Ion. <i>Organic Letters</i> , 2017, 19, 6316-6319.	4.6	28
39	A Highly <i>e</i> -Stereoselective Approach to $\beta$ -Iodo Morita-Baylis-Hillman Esters: Synthesis of Secokotomolide A. <i>Organic Letters</i> , 2007, 9, 5087-5089.	4.6	27
40	Catalytic enantioselective Diels-Alder reactions of furans and 1,1,1-trifluoroethyl acrylate. <i>Tetrahedron Letters</i> , 2007, 48, 5735-5737.	1.4	26
41	Enantioselective formal synthesis of antitumor agent (+)-ottelione A. <i>Tetrahedron Letters</i> , 2008, 49, 1965-1967.	1.4	25
42	Bioinspired Synthesis of Chiral 3,4-Dihydropyranones via S-to-O Acyl-Transfer Reactions. <i>Organic Letters</i> , 2018, 20, 1584-1588.	4.6	24
43	Enantioselective 1,2-Addition of $\beta$ -Aminoalkyl Radical to Aldehydes via Visible-Light Photoredox Initiated Chiral Oxazaborolidinium Ion Catalysis. <i>ACS Catalysis</i> , 2020, 10, 10585-10591.	11.2	24
44	Total Synthesis of (+)-Ambuic Acid: $\beta$ -Bromination with 1,2-Dibromotetrachloroethane. <i>Journal of Organic Chemistry</i> , 2012, 77, 2513-2518.	3.2	23
45	Highly enantioselective catalytic 1,3-dipolar cycloadditions of $\beta$ -alkyl diazoacetates: efficient synthesis of functionalized 2-pyrazolines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2745-2749.	2.8	23
46	Catalytic Enantioselective Protonation/Nucleophilic Addition of Diazoesters with Chiral Oxazaborolidinium Ion Activated Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3977-3981.	13.8	22
47	Myocardial metabolic alterations in mice with diet-induced atherosclerosis: linking sulfur amino acid and lipid metabolism. <i>Scientific Reports</i> , 2017, 7, 13597.	3.3	22
48	Catalytic Asymmetric Roskamp Reaction of Silyl Diazoalkane: Synthesis of Enantioenriched $\beta$ -Silyl Ketone. <i>Organic Letters</i> , 2017, 19, 5936-5939.	4.6	21
49	A metabolomics-driven approach reveals metabolic responses and mechanisms in the rat heart following myocardial infarction. <i>International Journal of Cardiology</i> , 2017, 227, 239-246.	1.7	21
50	Metabolic phenotyping of human atherosclerotic plaques: Metabolic alterations and their biological relevance in plaque-containing aorta. <i>Atherosclerosis</i> , 2018, 269, 21-28.	0.8	21
51	Facile Approach to Optically Active $\beta$ -Alkylidene- $\beta$ -amino Esters by Thermal Overman Rearrangement. <i>Organic Letters</i> , 2010, 12, 3234-3237.	4.6	20
52	Asymmetric synthesis of (+)-cis-nemorensic acid from a chiral Diels-Alder adduct of 2,5-dimethylfuran. <i>Chemical Communications</i> , 2007, , 5064.	4.1	18
53	Indole-Based Molecular Engineering for Optimizing the Performance of Photoactive Thin Films. <i>Advanced Functional Materials</i> , 2016, 26, 6876-6887.	14.9	18
54	Role of Configuration at C6 in Catalytic Activity of <i>l</i> -Proline-Derived Bifunctional Organocatalysts. <i>Organic Letters</i> , 2017, 19, 2434-2437.	4.6	18

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55	Metabolic alterations in the bone tissues of aged osteoporotic mice. <i>Scientific Reports</i> , 2018, 8, 8127.	3.3	17
56	Double asymmetric iodoamination; synthesis of C 2 symmetric and meso-amino alcohols. <i>Chemical Communications</i> , 1996, , 355.	4.1	16
57	Kinetic Resolution of Î²-Hydroxy Carbonyl Compounds via Enantioselective Dehydration Using a Cation-Binding Catalyst: Facile Access to Enantiopure Chiral Aldols. <i>Organic Letters</i> , 2018, 20, 2003-2006.	4.6	16
58	Multicomponent dipolar cycloadditions: efficient synthesis of polycyclic fused pyrrolizidines via azomethine ylides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1773-1777.	2.8	16
59	LC/MS-based polar metabolite profiling reveals gender differences in serum from patients with myocardial infarction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 475-486.	2.8	15
60	Enantioselective Strecker and Alkylation Reactions with Aldimines Catalyzed by Chiral Oxazaborolidinium Ions. <i>Organic Letters</i> , 2019, 21, 6679-6683.	4.6	14
61	Ternary Electron Donor-Acceptor Complex Enabled Enantioselective Radical Additions to Î², Î²-Unsaturated Carbonyl Compounds. <i>ACS Catalysis</i> , 2021, 11, 14811-14818.	11.2	14
62	Highly Stereoselective Oxazaborolidinium Ion Catalyzed Synthesis of (Z)-Silyl Enol Ethers from Alkyl Aryl Ketones and Trimethylsilyldiazomethane. <i>Organic Letters</i> , 2014, 16, 2077-2079.	4.6	13
63	Comparable Plasma Lipid Changes in Patients with High-Grade Cervical Intraepithelial Neoplasia and Patients with Cervical Cancer. <i>Journal of Proteome Research</i> , 2021, 20, 740-750.	3.7	13
64	Catalytic Enantioselective Synthesis of 2,5-Dihydrooxepines. <i>Angewandte Chemie</i> , 2017, 129, 8789-8792.	2.0	12
65	Construction of 3,4-Dihydrocoumarin Derivatives with Adjacent Quaternary and Tertiary Stereocenters: Organocatalytic Asymmetric Michael Addition of 2-Oxochroman-3-carboxylate Esters to trans-Î²-Nitroolefins. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 163-167.	4.3	12
66	A Stereoselective Synthesis of a Key Intermediate to 1Î²-Methylcarbapenem via Aziridine Ring-opening Reaction. <i>Synlett</i> , 2003, 2003, 1149-1150.	1.8	11
67	Catalytic Asymmetric Darzens-Type Epoxidation of Diazoesters: Highly Enantioselective Synthesis of Trisubstituted Epoxides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22236-22240.	13.8	11
68	Changes in one-carbon metabolism after duodenal-jejunal bypass surgery. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E624-E632.	3.5	10
69	Asymmetric Synthesis of Enantioenriched 2-Aryl-2,3-Dihydrobenzofurans by a Lewis Acid Catalyzed Cyclopropanation/Intramolecular Rearrangement Sequence. <i>Angewandte Chemie</i> , 2019, 131, 13561-13566.	2.0	10
70	Bifunctional Urea/Hg(OAc) <sub>2</sub> -Mediated Synthesis of 4-Aryl-6-oxycarbonyl-2-pyrones and 2-Pyridones from Dithiomalonate and Î²,Î³-Unsaturated Î±-Keto Esters. <i>Journal of Organic Chemistry</i> , 2021, 86, 6001-6014.	3.2	10
71	Enantioselective Friedel-Crafts Alkylation of Furans with <i>ortho</i> -Quinone Methide Using a Chiral Oxazaborolidinium Ion Catalyst. <i>Organic Letters</i> , 2022, 24, 1732-1736.	4.6	10
72	Discovery of substituted pyrazol-4-yl pyridazinone derivatives as novel c-Met kinase inhibitors. <i>Archives of Pharmacal Research</i> , 2016, 39, 453-464.	6.3	9

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73	Integrated metagenomics and metabolomics analysis illustrates the systemic impact of the gut microbiota on host metabolism after bariatric surgery. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 1224-1234.	4.4	9
74	Catalytic Enantioselective Protonation/Nucleophilic Addition of Diazoesters with Chiral Oxazaborolidinium Ion Activated Carboxylic Acids. <i>Angewandte Chemie</i> , 2017, 129, 4035-4039.	2.0	8
75	Stable Palladium Hydride Catalyzed Intermolecular Hydroamination of Vinylarenes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 451-457.	2.7	8
76	Enantioselective Cyclopropanation/[1,5]-Hydrogen Shift to Access Rauhu-tâ€“Carrier Product. <i>Organic Letters</i> , 2021, 23, 213-217.	4.6	8
77	Integrated omics-analysis reveals Wnt-mediated NAD+ metabolic reprogramming in cancer stem-like cells. <i>Oncotarget</i> , 2016, 7, 48562-48576.	1.8	8
78	Asymmetric Synthesis of (âˆ“)â€“Dictyoptere C' and its Derivatives via Catalytic Enantioselective Cyclopropanation. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 675-678.	1.9	7
79	A Mild Method for Access to Î±â€“Substituted Dithiomalonates through Câ€“Thiocarbonylation of Thioester: Synthesis of Mesoionic Insecticides. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3201-3206.	4.3	7
80	Design and Synthesis of Novel 3-(2-Aminopyridin-3-yl)-1,2,4-Triazolo[4,3-b]Pyridazine Derivatives as a Reversible Bruton's Tyrosine Kinase Inhibitors. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 853-857.	1.9	6
81	Urinary Metabolomic Profiling Analysis and Evaluation of the Effect of Ecklonia cava Extract Intake. <i>Nutrients</i> , 2020, 12, 1407.	4.1	6
82	Enantioselective Acyloin Rearrangement of Acyclic Aldehydes Catalyzed by Chiral Oxazaborolidinium Ion. <i>Organic Letters</i> , 2021, 23, 1516-1520.	4.6	6
83	Design and Synthesis of Novel Pyrazolo[3,4- <i>i&gt;d&lt;/i&gt;]pyrimidinâ€“yl piperidine Derivatives as Bruton's Tyrosine Kinase Inhibitors. <i>Bulletin of the Korean Chemical Society</i>, 2017, 38, 278-281.</i>	1.9	5
84	Total synthesis of PGF2Î± and 6,15-diketo-PGF1Î± and formal synthesis of 6-keto-PGF1Î± via three-component coupling. <i>Tetrahedron</i> , 2019, 75, 130593.	1.9	5
85	Highly Enantioselective Allylation Reactions of Aldehydes with Allyltrimethylsilane Catalyzed by a Chiral Oxazaborolidinium Ion. <i>Organic Letters</i> , 2020, 22, 5198-5201.	4.6	5
86	Design and Synthesis of 5-â€“Aryl â€“substituted Phenylpyrimidineâ€“2,4-â€“diamine Derivatives as Novel Mer and Tyro3 Kinase Inhibitors. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 206-211.	1.9	3
87	Cinchona Alkaloids and their Derivatives as Chirality Inducers in Metal-Promoted Enantioselective Carbon-Carbon and Carbon-Heteroatom Bond Forming Reactions. , 0, , 73-104.		2
88	Kinetic Resolution and Dynamic Kinetic Resolution of Î±â€“Arylâ€“Substituted Butenolides via Copperâ€“Catalyzed 1,4-â€“Hydroboration. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2377-2381.	4.3	2
89	Broad-Spectrum Enantioselective Dielsâ€“Alder Catalysis by Chiral, Cationic Oxazaborolidines.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
90	Highly Enantioselective Cyanosilylation of Aldehydes Catalyzed by a Chiral Oxazaborolidinium Ion.. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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91	Enantioselective Cyanosilylation of Ketones Catalyzed by a Chiral Oxazaborolidinium Ion.. ChemInform, 2005, 36, no.	0.0	0
92	Titelbild: Catalytic Enantioselective Synthesis of 2,5-Dihydrooxepines (Angew. Chem. 30/2017). Angewandte Chemie, 2017, 129, 8709-8709.	2.0	0
93	Catalytic Asymmetric Darzensá€-Type Epoxidation of Diazoesters: Highly Enantioselective Synthesis of Trisubstituted Epoxides. Angewandte Chemie, 2021, 133, 22410-22414.	2.0	0