

Hun Young Kim

List of Publications by Year in descending order

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papers

1,686
citations

304743

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docs citations

52
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Diastereo- and Enantioselective Aldol Reaction of Methyl β -Isocyanoacetate: A Cooperative Catalysis Approach. <i>Organic Letters</i> , 2011, 13, 1306-1309.	4.6	136
2	Stereodivergency in Catalytic Asymmetric Conjugate Addition Reactions of Glycine (Ket)imines. <i>Journal of the American Chemical Society</i> , 2011, 133, 20750-20753.	13.7	132
3	Reversal of Enantioselectivity between the Copper(I)- and Silver(I)-Catalyzed 1,3-Dipolar Cycloaddition Reactions Using a Brucine-Derived Amino Alcohol Ligand. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7420-7423.	13.8	117
4	Brucine-Derived Amino Alcohol Catalyzed Asymmetric Henry Reaction: An Orthogonal Enantioselectivity Approach. <i>Organic Letters</i> , 2009, 11, 5682-5685.	4.6	99
5	Direct Acyl Radical Addition to 2-Indazoles Using Ag-Catalyzed Decarboxylative Cross-Coupling of β -Keto Acids. <i>Organic Letters</i> , 2018, 20, 2711-2715.	4.6	97
6	Orthogonal Enantioselectivity Approaches Using Homogeneous and Heterogeneous Catalyst Systems: Friedel-Crafts Alkylation of Indole. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4476-4478.	13.8	62
7	Efficient Approaches to the Stereoselective Synthesis of Cyclopropyl Alcohols. <i>Accounts of Chemical Research</i> , 2012, 45, 1533-1547.	15.6	62
8	Electrochemical Radical-Radical Cross-Coupling Approach between Sodium Sulfinates and 2-Indazoles to 3-Sulfonylated 2-Indazoles. <i>Organic Letters</i> , 2020, 22, 6319-6323.	4.6	62
9	Studies on Elimination Pathways of β -Halovinyl Ketones Leading to Allenyl and Propargyl Ketones and Furans under the Action of Mild Bases. <i>Journal of Organic Chemistry</i> , 2012, 77, 11132-11145.	3.2	54
10	β -Naphthoquinone-Catalyzed Aerobic Oxidation of Amines to (Ket)imines: A Modular Catalyst Approach. <i>Organic Letters</i> , 2016, 18, 5174-5177.	4.6	51
11	Unified Approach to (Thio)chromenones via One-Pot Friedel-Crafts Acylation/Cyclization: Distinctive Mechanistic Pathways of β -Chlorovinyl Ketones. <i>Organic Letters</i> , 2017, 19, 312-315.	4.6	47
12	A Facile Access to 4-Substituted-2-naphthols via a Tandem Friedel-Crafts Reaction: A β -Chlorovinyl Ketone Pathway. <i>Organic Letters</i> , 2014, 16, 5934-5936.	4.6	44
13	Visible-Light-Promoted Thiyl Radical Generation from Sodium Sulfinates: A Radical-Radical Coupling to Thioesters. <i>Organic Letters</i> , 2019, 21, 3774-3779.	4.6	44
14	Biomimetic Oxidative Deamination Catalysis via β -Naphthoquinone-Catalyzed Aerobic Oxidation Strategy. <i>ACS Catalysis</i> , 2018, 8, 4986-4990.	11.2	41
15	Reversal of Enantioselectivity Approach to BINOLs via Single and Dual 2-Naphthol Activation Modes. <i>Organic Letters</i> , 2017, 19, 3867-3870.	4.6	39
16	A Soft Vinyl Enolization Approach to β -Acylvinyl Anions: Direct Aldol/Aldol Condensation Reactions of β -Chlorovinyl Ketones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3736-3740.	13.8	35
17	Enantiodivergent Brucine Diol-Catalyzed 1,3-Dipolar Cycloaddition of Azomethine Ylides with β -Unsaturated Ketones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 984-993.	4.3	32
18	Ambivalent Reactivity Modes of β -Chlorovinyl Ketones: Electrophilic Lithium [3]Cumulenolates from Soft Vinyl Enolization Strategy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8026-8030.	13.8	29

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19	Regioselective Synthesis of Pyrroles from Alkyne-Isocyanide Click Reactions: An Angle Strain-Induced Bond Migration Approach. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3714-3718.	4.3	28
20	Regiodivergent Halogenation of (<i>E</i>)- β -Chlorovinyl Ketones via Soft β -Vinyl Enolization Strategy. <i>Organic Letters</i> , 2015, 17, 450-453.	4.6	25
21	Rhodium(I)-Catalyzed Decarbonylative Aerobic Oxidation of Cyclic β -Diketones: A Regioselective Single Carbon Extrusion Strategy. <i>Organic Letters</i> , 2018, 20, 942-945.	4.6	25
22	1,3-Dienones and 2-H-Pyran-2-ones from Soft β -Vinyl Enolization of β -Chlorovinyl Ketones: Defined Roles of Brønsted and Lewis Base. <i>Organic Letters</i> , 2015, 17, 6254-6257.	4.6	24
23	Continuous Flow Synthesis of Isoxazoles via Vinyl Azides from Friedel-Crafts Acylation of Alkynes: A Modulated Troubleshooting Optimization Approach. <i>Organic Letters</i> , 2019, 21, 10063-10068.	4.6	22
24	Oxidation Potential-Guided Electrochemical Radical-Radical Cross-Coupling Approaches to 3-Sulfonylated Imidazopyridines and Indolizines. <i>Journal of Organic Chemistry</i> , 2021, 86, 15973-15991.	3.2	22
25	Silver-Catalyzed Asymmetric Desymmetrization of Cyclopentenediones via [3 + 2] Cycloaddition with β -Substituted Isocyanoacetates. <i>Organic Letters</i> , 2018, 20, 2249-2252.	4.6	21
26	Visible Light-Promoted Friedel-Crafts-Type Chloroacylation of Alkenes to β -Chloroketones. <i>Organic Letters</i> , 2020, 22, 3018-3022.	4.6	21
27	Copper(II)-Catalyzed Aerobic Oxidation of Amines: Divergent Reaction Pathways by Solvent Control to Imines and Nitriles. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1674-1679.	2.7	20
28	Substrate Promiscuity of <i>ortho</i> -Naphthoquinone Catalyst: Catalytic Aerobic Amine Oxidation Protocols to Deaminative Cross-Coupling and <i>N</i> -Nitrosation. <i>ACS Catalysis</i> , 2019, 9, 9216-9221.	11.2	20
29	(<i>E</i>)-Selective Friedel-Crafts acylation of alkynes to β -chlorovinyl ketones: defying isomerizations in batch reactions by flow chemistry approaches. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1868-1872.	4.5	20
30	Tandem Reaction Approaches to Isoquinolones from 2-Vinylbenzaldehydes and Anilines via Imine Formation-Electrocyclization-Aerobic Oxidation Sequence. <i>Organic Letters</i> , 2020, 22, 474-478.	4.6	20
31	A One-Pot Synthesis of Pyranone and Pyrrole Derivatives from β -Chlorovinyl Ketones via Direct Conjugate Addition Approach. <i>Organic Letters</i> , 2017, 19, 4904-4907.	4.6	19
32	Substituted Pyrrololactams via Ring Expansion of Spiro-2-H-pyrroles from Intermolecular Alkyne-Isocyanide Click Reactions. <i>Organic Letters</i> , 2017, 19, 628-631.	4.6	18
33	Aerobic Oxidation Approaches to Indole-3-carboxylates: A Tandem Cross Coupling of Amines-Intramolecular Mannich-Oxidation Sequence. <i>Organic Letters</i> , 2019, 21, 6731-6735.	4.6	17
34	Stereodivergent Asymmetric Reactions Catalyzed by Brucine Diol. <i>Synlett</i> , 2015, 26, 2067-2087.	1.8	16
35	Visible-Light-Induced Photoaddition of <i>N</i> -Nitrosoalkylamines to Alkenes: One-Pot Tandem Approach to 1,2-Diamination of Alkenes from Secondary Amines. <i>Organic Letters</i> , 2021, 23, 3105-3109.	4.6	16
36	One-Pot Tandem <i>ortho</i> -Naphthoquinone-Catalyzed Aerobic Nitrosation of <i>N</i> -Alkylanilines and Rh(III)-Catalyzed C-H Functionalization Sequence to Indole and Aniline Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 1152-1163.	3.2	15

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37	Recent advances in the copper-catalyzed aerobic C _{sp3} -H oxidation strategy. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3569-3583.	2.8	15
38	Silver-Catalyzed Asymmetric Desymmetrization of Cyclohexadienones via Van Leusen Pyrrole Synthesis. <i>Organic Letters</i> , 2022, 24, 1812-1816.	4.6	13
39	Cooperative Pd/Cu Catalysis to Spiro[indoline-2,3-pyrrolidin]-2-ones: Tandem Benzoylation of $\hat{\pm}$ -Isocyano Lactams, Amine Addition, and N-Arylation. <i>Organic Letters</i> , 2019, 21, 5747-5752.	4.6	12
40	Palladium-Catalyzed Aerobic Oxidative Hydroamination of Vinylarenes Using Anilines: A Wacker-Type Amination Pathway. <i>Organic Letters</i> , 2017, 19, 5264-5267.	4.6	11
41	Tandem Transformations via Friedel-Crafts Acylation Followed by a Ring-Expansion, Ring-Opening, and Cycloisomerization Sequence. <i>Organic Letters</i> , 2019, 21, 696-699.	4.6	11
42	Bioinspired <i>ortho</i> -Naphthoquinone-Catalyzed Aerobic Oxidation of Alcohols to Aldehydes and Ketones. <i>Organic Letters</i> , 2022, 24, 4982-4986.	4.6	11
43	Copper(II)/DM-SEGPHOS-catalyzed enantio- and diastereoselective conjugate boration to $\hat{\pm}$ -alkylidene- $\hat{\beta}$ -lactams. <i>Organic Chemistry Frontiers</i> , 2020, 7, 709-714.	4.5	9
44	<i>ortho</i> -Naphthoquinone-catalyzed aerobic oxidation of amines to fused pyrimidin-4(3H)-ones: a convergent synthetic route to bouchardatine and sildenafil. <i>RSC Advances</i> , 2020, 10, 31101-31105.	3.6	8
45	Divergent Reaction Pathways of $\hat{2}$ -Chlorovinyl Ketones: Microwave-Assisted Thermal Nazarov Cyclization versus Cycloisomerization via Soft Vinyl Enolization. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1391-1398.	4.3	7
46	Divergent Halogenation Pathways of 2,2-Dichlorobutan-3-yn-1-ols to 3-Chloro-4-chlorodofurans and $\hat{\pm}$ -Chloro- $\hat{\beta}$ -chloroallenes: Electrophilic versus Pd(II)-Catalyzed Halogenation Strategies. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5368-5373.	4.3	6
47	One-Pot Synthesis of <i>N</i> -Hydroxypyrroles via Soft $\hat{\pm}$ -Vinyl Enolization of (<i>E</i>)- $\hat{2}$ -Chlorovinyl Ketones: A Traceless Arylsulfinate Mediator Strategy. <i>Organic Letters</i> , 2022, , .	4.6	6
48	One-Pot Direct Oxidation of Primary Amines to Carboxylic Acids through Tandem <i>ortho</i> -Naphthoquinone-Catalyzed and TBHP-Promoted Oxidation Sequence. <i>Chemistry - A European Journal</i> , 2021, 27, 18150-18155.	3.3	5
49	Continuous Flow Synthesis of 1,4-Benzothiazines Using Ambivalent Reactivity of (<i>E</i>)- $\hat{2}$ -Chlorovinyl Ketones: A Point of Reaction Control Enabled by Flow Chemistry. <i>Organic Letters</i> , 2022, 24, 5287-5292.	4.6	3