

Jung Min Joo

List of Publications by Year in descending order

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papers

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citations

361045

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times ranked

1287
citing authors

#	ARTICLE	IF	CITATIONS
1	C-H Bonds as Ubiquitous Functionality: A General Approach to Complex Arylated Imidazoles via Regioselective Sequential Arylation of All Three C-H Bonds and Regioselective C-N-Alkylation Enabled by SEM-Group Transposition. <i>Journal of Organic Chemistry</i> , 2010, 75, 4911-4920.	1.7	144
2	C-H Arylation of Pyridines: High Regioselectivity as a Consequence of the Electronic Character of C-H Bonds and Heteroarene Ring. <i>Journal of the American Chemical Society</i> , 2011, 133, 16338-16341.	6.6	140
3	Lasonolide A: Structural Revision and Total Synthesis. <i>Journal of Organic Chemistry</i> , 2003, 68, 8080-8087.	1.7	86
4	Lasonolide A: Structural Revision and Synthesis of the Unnatural (S)-Enantiomer. <i>Journal of the American Chemical Society</i> , 2002, 124, 384-385.	6.6	77
5	Tandem Cyclization of Alkynes via Rhodium Alkynyl and Alkenylidene Catalysis. <i>Journal of the American Chemical Society</i> , 2006, 128, 14818-14819.	6.6	53
6	Direct C-H Alkenylation of Functionalized Pyrazoles. <i>Journal of Organic Chemistry</i> , 2016, 81, 689-698.	1.7	49
7	Ligand-controlled Regiodivergent C-H Alkenylation of Pyrazoles and its Application to the Synthesis of Indazoles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16262-16266.	7.2	48
8	Synthesis of Fluorescent Indazoles by Palladium-Catalyzed Benzannulation of Pyrazoles with Alkynes. <i>Organic Letters</i> , 2017, 19, 1450-1453.	2.4	45
9	Concise Synthesis of the Erythrina Alkaloid 3-Demethoxyerythratidinone via Combined Rhodium Catalysis. <i>Organic Letters</i> , 2010, 12, 5704-5707.	2.4	36
10	Synthesis of Trifluoromethylated Ketones from Propargylic Alcohols by Visible Light Photoredox Catalysis. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4093-4097.	1.2	35
11	Catalytic C-H Allylation and Benzoylation of Pyrazoles. <i>Journal of Organic Chemistry</i> , 2015, 80, 690-697.	1.7	35
12	Transition-metal-catalyzed C-H functionalization of pyrazoles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6192-6210.	1.5	35
13	Ligand-controlled Regiodivergent C-H Alkenylation of Pyrazoles and its Application to the Synthesis of Indazoles. <i>Angewandte Chemie</i> , 2017, 129, 16480-16484.	1.6	32
14	Transition-Metal-Catalyzed Divergent C-H Functionalization of Five-Membered Heteroarenes. <i>Accounts of Chemical Research</i> , 2021, 54, 4518-4529.	7.6	32
15	Oxidation Stability of Organic Redox Mediators as Mobile Catalysts in Lithium-Oxygen Batteries. <i>ACS Energy Letters</i> , 2020, 5, 2122-2129.	8.8	31
16	Catalytic C-H Allylation of Indoles by Electronic Modulation of the Indole Ring and its Application to the Synthesis of Functionalized Carbazoles. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3458-3470.	2.1	28
17	C-H Bonds as Ubiquitous Functionality: Preparation of Multiple Regioisomers of Arylated 1,2,4-Triazoles via C-H Arylation. <i>Journal of Organic Chemistry</i> , 2013, 78, 738-743.	1.7	25
18	Immunosensor Employing Stable, Solid 1-Amino-2-naphthyl Phosphate and Ammonia-Borane toward Ultrasensitive and Simple Point-of-Care Testing. <i>ACS Sensors</i> , 2017, 2, 1240-1246.	4.0	25

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19	Synthesis of Bidentate Nitrogen Ligands by Rh-Catalyzed C-H Annulation and Their Application to Pd-Catalyzed Aerobic C-H Alkenylation. <i>Organic Letters</i> , 2021, 23, 3657-3662.	2.4	24
20	Synthesis and evaluation of lasonolide A analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1905-1908.	1.0	23
21	Regio- and Stereoselective Synthesis of Thiazole-Containing Triarylethylenes by Hydroarylation of Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 12913-12924.	1.7	23
22	Synthesis of Redox-Active Phenanthrene-Fused Heteroarenes by Palladium-Catalyzed C-H Annulation. <i>Organic Letters</i> , 2020, 22, 1280-1285.	2.4	23
23	Systematic Designs of Dicationic Heteroarylpyridiniums as Negolytes for Nonaqueous Redox Flow Batteries. <i>ACS Energy Letters</i> , 2021, 6, 3390-3397.	8.8	21
24	Synthesis of (+)-Lasonolide A: (âˆ™)-Lasonolide A is the biologically active enantiomer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3519-3520.	1.0	19
25	C-H Arylation of Nitroimidazoles and Nitropyrazoles Guided by the Electronic Effect of the Nitro Group. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 3009-3014.	1.0	19
26	Electronically Matching C-H Alkylation Strategies for the Synthesis of Î±-Heteroaryl Acetic Acid Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1386-1391.	1.3	18
27	Divergent Palladium-Catalyzed Cross-Coupling of Nitropyrazoles with Terminal Alkynes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2645-2650.	1.2	18
28	Regioselective C-H alkenylation of imidazoles and its application to the synthesis of unsymmetrically substituted benzimidazoles. <i>Chemical Communications</i> , 2018, 54, 6879-6882.	2.2	17
29	Pd-Catalyzed C-H Annulation of Five-Membered Heteroaryl Halides with Norbornene Derivatives. <i>ACS Catalysis</i> , 2020, 10, 1792-1798.	5.5	16
30	Rhodium-catalyzed tandem addition-cyclization of alkynylimines. <i>Tetrahedron</i> , 2015, 71, 5910-5917.	1.0	15
31	C-H Alkenylation of Pyrroles by Electronically Matching Ligand Control. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2418-2422.	1.7	14
32	Synthesis and Characterization of DPP-Based Conjugated Polymers via Dehydrogenative Direct Alkenylation Polycondensation. <i>Macromolecular Research</i> , 2019, 27, 115-118.	1.0	14
33	Divergent Strategies for the Î€-Extension of Heteroaryl Halides Using Norbornadiene as an Acetylene Synthon. <i>Organic Letters</i> , 2020, 22, 9670-9676.	2.4	12
34	Sterically controlled C-H alkenylation of pyrroles and thiophenes. <i>Chemical Communications</i> , 2021, 57, 11791-11794.	2.2	10
35	Preparation of 2-Aminopyridoimidazoles and 2-Aminobenzimidazoles via Phosphorus Oxychloride-Mediated Cyclization of Aminoureas. <i>Journal of Organic Chemistry</i> , 2014, 79, 3688-3695.	1.7	9
36	<sc>Palladium-catalyzed Aerobic Benzannulation of Pyrazoles with Alkynes. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 489-491.	1.0	9

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37	Pd-Catalyzed Cyclization of Alkynyl Norbornene Derivatives for the Synthesis of Benzofused Heteroarenes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4883-4888.	2.1	9
38	Use of a Phosphatase-Like DT-Diaphorase Label for the Detection of Outer Membrane Vesicles. <i>Analytical Chemistry</i> , 2019, 91, 4680-4686.	3.2	8
39	Interference-Free Duplex Detection of Total and Active Enzyme Concentrations at a Single Working Electrode. <i>ACS Sensors</i> , 2021, 6, 1305-1311.	4.0	6
40	Palladium-Catalyzed C-H Benzannulation of Functionalized Furans and Pyrroles with Alkynes. <i>Synthesis</i> , 2021, 53, 3001-3010.	1.2	3
41	Di(Thioether Sulfonate)-Substituted Quinolinedione as a Rapidly Dissoluble and Stable Electron Mediator and Its Application in Sensitive Biosensors. <i>Advanced Healthcare Materials</i> , 2021, , 2101819.	3.9	3
42	Enantioselective total synthesis of (+)-ieodomycin A, (+)-ieodomycin B, and their three stereoisomers. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9227-9230.	1.5	2
43	Development of Heteroarene-Fused Quinones As Rapidly Dissoluble and Stable Biosensors. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2238-2238.	0.0	1
44	Dicationic Heteroaryl Pyridinium As a Highly Stable, Soluble, and Crossover-Resistant Anolyte for Nonaqueous Redox Flow Batteries. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2031-2031.	0.0	0