

Ramesh Giri

List of Publications by Year in descending order

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56
papers

8,146
citations

101543

36
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138484

58
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69
all docs

69
docs citations

69
times ranked

4789
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal-catalyzed C-H activation reactions: diastereoselectivity and enantioselectivity. <i>Chemical Society Reviews</i> , 2009, 38, 3242.	38.1	1,498
2	Palladium-Catalyzed Methylation and Arylation of sp ² and sp ³ C-H Bonds in Simple Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2007, 129, 3510-3511.	13.7	715
3	Palladium-Catalyzed Asymmetric Iodination of Unactivated C-H Bonds under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2112-2115.	13.8	464
4	Pd(II)-Catalyzed Cross-Coupling of sp ³ C-H Bonds with sp ² and sp ³ Boronic Acids Using Air as the Oxidant. <i>Journal of the American Chemical Society</i> , 2008, 130, 7190-7191.	13.7	461
5	Pd-Catalyzed Stereoselective Oxidation of Methyl Groups by Inexpensive Oxidants under Mild Conditions: A Dual Role for Carboxylic Anhydrides in Catalytic C-H Bond Oxidation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7420-7424.	13.8	409
6	Synthesis of 1,2- and 1,3-Dicarboxylic Acids via Pd(II)-Catalyzed Carboxylation of Aryl and Vinyl C-H Bonds. <i>Journal of the American Chemical Society</i> , 2008, 130, 14082-14083.	13.7	360
7	Transition Metal-Catalyzed Dicarbofunctionalization of Unactivated Olefins. <i>Chemical Record</i> , 2018, 18, 1314-1340.	5.8	340
8	Ir-Chelation-directed C-H functionalizations using Pd(ii) and Cu(ii) catalysts: regioselectivity, stereoselectivity and catalytic turnover. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4041-4047.	2.8	301
9	Synthetic Applications of Pd(II)-Catalyzed C-H Carboxylation and Mechanistic Insights: Expedient Routes to Anthranilic Acids, Oxazolinones, and Quinazolinones. <i>Journal of the American Chemical Society</i> , 2010, 132, 686-693.	13.7	295
10	Strategies toward Dicarbofunctionalization of Unactivated Olefins by Combined Heck Carbometalation and Cross-Coupling. <i>Journal of Organic Chemistry</i> , 2018, 83, 3013-3022.	3.2	255
11	Ni-Catalyzed Regioselective 1,2-Dicarbofunctionalization of Olefins by Intercepting Heck Intermediates as Imine-Stabilized Transient Metallacycles. <i>Journal of the American Chemical Society</i> , 2017, 139, 10653-10656.	13.7	192
12	Cu(I)-Amido Complexes in the Ullmann Reaction: Reactions of Cu(I)-Amido Complexes with Iodoarenes with and without Autocatalysis by CuI. <i>Journal of the American Chemical Society</i> , 2010, 132, 15860-15863.	13.7	157
13	Ni-Catalyzed Regioselective Alkylarylation of Vinylarenes via C(sp ³)-C(sp ³)/C(sp ³)-C(sp ²) Bond Formation and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2018, 140, 9801-9805.	13.7	149
14	Copper-catalysed cross-coupling: an untapped potential. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4816-4827.	2.8	148
15	Transition Metal (Ni, Cu, Pd)-Catalyzed Alkene Dicarbofunctionalization Reactions. <i>Accounts of Chemical Research</i> , 2021, 54, 3415-3437.	15.6	148
16	Ni-Catalyzed Regioselective β,β -Diarylation of Unactivated Olefins in Ketimines via Ligand-Enabled Contraction of Transient Nickellacycles: Rapid Access to Remotely Diarylated Ketones. <i>Journal of the American Chemical Society</i> , 2018, 140, 7782-7786.	13.7	142
17	Dehydrogenation of Inert Alkyl Groups via Remote C-H Activation: Converting a Propyl Group into a β -Allylic Complex. <i>Organometallics</i> , 2008, 27, 1667-1670.	2.3	129
18	Copper(I) Phenoxide Complexes in the Etherification of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2185-2189.	13.8	129

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19	Copper-Catalyzed Suzuki–Miyaura Coupling of Arylboronate Esters: Transmetalation with (PN)CuF and Identification of Intermediates. <i>Organic Letters</i> , 2014, 16, 1264-1267.	4.6	126
20	Palladium-Catalysed, Directed C–H Coupling with Organometallics. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1395-1411.	4.3	123
21	Synergistic Bimetallic Ni/Ag and Ni/Cu Catalysis for Regioselective β,β' -Diarylation of Alkenyl Ketimines: Addressing β -H Elimination by in Situ Generation of Cationic Ni(II) Catalysts. <i>Journal of the American Chemical Society</i> , 2018, 140, 15586-15590.	13.7	123
22	Understanding Reactivity and Stereoselectivity in Palladium-Catalyzed Diastereoselective $\text{sp}^3\text{-C}-\text{H}$ Bond Activation: Intermediate Characterization and Computational Studies. <i>Journal of the American Chemical Society</i> , 2012, 134, 14118-14126.	13.7	115
23	Ni-catalysed regioselective 1,2-diarylation of unactivated olefins by stabilizing Heck intermediates as pyridylsilyl-coordinated transient metallacycles. <i>Chemical Science</i> , 2018, 9, 904-909.	7.4	98
24	Walking metals: catalytic difunctionalization of alkenes at nonclassical sites. <i>Chemical Science</i> , 2020, 11, 9757-9774.	7.4	96
25	Copper-Catalyzed Dicarbofunctionalization of Unactivated Olefins by Tandem Cyclization/Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2017, 139, 5700-5703.	13.7	92
26	Mechanism of the Ullmann Biaryl Ether Synthesis Catalyzed by Complexes of Anionic Ligands: Evidence for the Reaction of Iodoarenes with Ligated Anionic Cu(I) Intermediates. <i>Journal of the American Chemical Society</i> , 2018, 140, 793-806.	13.7	83
27	Copper-Catalyzed Hiyama Coupling of (Hetero)aryltriethoxysilanes with (Hetero)aryl Iodides. <i>Organic Letters</i> , 2013, 15, 5378-5381.	4.6	82
28	Converting gem-Dimethyl Groups into Cyclopropanes via Pd-Catalyzed Sequential C–H Activation and Radical Cyclization. <i>Organic Letters</i> , 2006, 8, 5685-5688.	4.6	66
29	Ligand-Free Copper-Catalyzed Negishi Coupling of Alkyl-, Aryl-, and Alkynylzinc Reagents with Heteroaryl Iodides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8236-8240.	13.8	59
30	Ni-Catalyzed Regioselective Dicarbofunctionalization of Unactivated Olefins by Tandem Cyclization/Cross-Coupling and Application to the Concise Synthesis of Lignan Natural Products. <i>Journal of Organic Chemistry</i> , 2018, 83, 2920-2936.	3.2	56
31	Ni-Catalyzed Regioselective 1,2-Dialkylation of Alkenes Enabled by the Formation of Two $\text{C}(\text{sp}^3)\text{-C}(\text{sp}^3)$ Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 20930-20936.	13.7	50
32	Nickel-Catalyzed β,β' -Carbonylalkylarylation of Vinylarenes: Expedient Access to β,β' -Diarylcarbonyl and Aryltetralone Derivatives. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8047-8051.	13.8	43
33	General Copper-Catalyzed Coupling of Alkyl-, Aryl-, and Alkynylaluminum Reagents with Organohalides. <i>Journal of Organic Chemistry</i> , 2016, 81, 787-802.	3.2	42
34	Ni(I)-Catalyzed β,β' -Vinylarylation of β,β' -Alkenyl β,β' -Cyanocarboxylic Esters via Contraction of Transient Nickellacycles. <i>ACS Catalysis</i> , 2019, 9, 10887-10893.	11.2	40
35	Copper-Catalyzed Coupling of Triaryl- and Trialkylindium Reagents with Aryl Iodides and Bromides through Consecutive Transmetalations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11620-11624.	13.8	35
36	The copper-catalysed Suzuki–Miyaura coupling of alkylboron reagents: disproportionation of anionic (alkyl)(alkoxy)borates to anionic dialkylborates prior to transmetalation. <i>Chemical Communications</i> , 2016, 52, 11072-11075.	4.1	32

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37	Copper-catalysed cross-couplings of arylboronate esters with aryl and heteroaryl iodides and bromides. <i>Organic Chemistry Frontiers</i> , 2015, 2, 649-653.	4.5	28
38	Pd-Catalyzed Regioselective 1,2-Dicarbonylfunctionalization of Unactivated Olefins by a Heck Reaction/Enolate Cyclization Cascade. <i>Organic Letters</i> , 2017, 19, 2154-2157.	4.6	25
39	Concise Synthesis of a Potential 5-Lipoxygenase Activating Protein (FLAP) Inhibitor and Its Analogs through Late-Stage Alkene Dicarbonylfunctionalization. <i>Organic Process Research and Development</i> , 2019, 23, 1686-1694.	2.7	19
40	Ni-Catalyzed Arylbenzylation of Alkenylarenes: Kinetic Studies Reveal Autocatalysis by ZnX_2 . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22977-22982.	13.8	19
41	Nickel-Catalyzed Regioselective Alkenylarylation of β,γ -Alkenyl Ketones via Carbonyl Coordination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19092-19096.	13.8	17
42	Copper-Catalyzed Cross-Coupling of Aryl- and Heteroaryltriethoxysilanes with Aryl and Heteroaryl iodides and Bromides. <i>Synthesis</i> , 2014, 46, 1933-1937.	2.3	14
43	Copper-catalysed cross-coupling of arylzirconium reagents with aryl and heteroaryl iodides. <i>Chemical Communications</i> , 2015, 51, 4009-4012.	4.1	14
44	K_2CO_3 -Catalyzed Synthesis of 2,5-Dialkyl-4,6,7-tricyano-Decorated Indoles via Carbon-Carbon Bond Cleavage. <i>Organic Letters</i> , 2020, 22, 3268-3272.	4.6	14
45	Copper-Catalyzed Negishi Coupling of Diarylzinc Reagents with Aryl Iodides. <i>Synthesis</i> , 2016, 48, 504-511.	2.3	13
46	Ni-Catalyzed Regio- and Stereoselective Alkylarylation of Unactivated Alkenes in β,γ -Alkenylketimines. <i>ACS Catalysis</i> , 2022, 12, 7262-7268.	11.2	12
47	Ligand-Free Copper-Catalyzed Negishi Coupling of Alkyl-, Aryl-, and Alkynylzinc Reagents with Heteroaryl iodides. <i>Angewandte Chemie</i> , 2015, 127, 8354-8358.	2.0	11
48	Copper-Catalyzed Cross-Couplings of Organometallic Reagents with and without Assistance from PN Ligands. <i>Synlett</i> , 2015, 26, 709-715.	1.8	10
49	Nickel-Catalyzed β,γ -Carbonylalkylarylation of Vinylarenes: Expedient Access to β,γ -Diarylcarbonyl and Aryltetralone Derivatives. <i>Angewandte Chemie</i> , 2020, 132, 8124-8128.	2.0	10
50	Fully Synthetic Approach toward Transition Metal-Nitrogen-Carbon Oxygen Reduction Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2018, 1, 3802-3806.	5.1	9
51	Ni(I)-Catalyzed β,γ -Vinylarylation of β,γ -Alkenyl-Cyanocarboxylic Esters via Contraction of Transient Nickellacycles. <i>ACS Catalysis</i> , 2019, 9, 10887-10893.	11.2	7
52	Copper-catalyzed arylation of alkyl halides with arylaluminum reagents. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2400-2407.	2.2	6
53	An Expedient Route to β,γ -Arylmethylantracene Derivatives via Tandem Ni-Catalyzed Alkene Dicarbonylfunctionalization and Acid-Promoted Cyclization-Aromatization. <i>Israel Journal of Chemistry</i> , 2020, 60, 424-428.	2.3	4
54	Ni-Catalyzed Arylbenzylation of Alkenylarenes: Kinetic Studies Reveal Autocatalysis by ZnX_2 . <i>Angewandte Chemie</i> , 2021, 133, 23159.	2.0	4

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55	Isolation and characterization of (Ar)(F)B(OR) ₂ Cs and (PN)CuAr complexes. Involvement of cationic copper(I) species during transmetalation of arylboron reagents with (PN)CuF. <i>Tetrahedron</i> , 2019, 75, 4081-4085.	1.9	1
56	Nickel-Catalyzed Regioselective Alkenylarylation of β,γ -Alkenyl Ketones via Carbonyl Coordination. <i>Angewandte Chemie</i> , 2021, 133, 19240-19244.	2.0	0