

Masilamani Jeganmohan

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106
papers

5,546
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48
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175
ext. papers

6,226
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
106	Rhodium-catalyzed one-pot synthesis of substituted pyridine derivatives from alpha,beta-unsaturated ketoximes and alkynes. <i>Organic Letters</i> , 2008 , 10, 325-8	6.2	282
105	Ruthenium-catalyzed ortho-alkenylation of aromatic ketones with alkenes by C-H bond activation. <i>Organic Letters</i> , 2011 , 13, 6144-7	6.2	234
104	Ruthenium-catalyzed highly regioselective cyclization of ketoximes with alkynes by C-H bond activation: a practical route to synthesize substituted isoquinolines. <i>Organic Letters</i> , 2012 , 14, 3032-5	6.2	230
103	Regioselective synthesis of isocoumarins by ruthenium-catalyzed aerobic oxidative cyclization of aromatic acids with alkynes. <i>Chemical Communications</i> , 2012 , 48, 2030-2	5.8	215
102	Highly regio- and stereoselective ruthenium(II)-catalyzed direct ortho-alkenylation of aromatic and heteroaromatic aldehydes with activated alkenes under open atmosphere. <i>Organic Letters</i> , 2012 , 14, 1134-7	6.2	181
101	Cobalt- and nickel-catalyzed regio- and stereoselective reductive coupling of alkynes, allenes, and alkenes with alkenes. <i>Chemistry - A European Journal</i> , 2008 , 14, 10876-86	4.8	138
100	Recent advances in the ruthenium(ii)-catalyzed chelation-assisted C-H olefination of substituted aromatics, alkenes and heteroaromatics with alkenes via the deprotonation pathway. <i>Chemical Communications</i> , 2017 , 53, 8931-8947	5.8	131
99	Ruthenium-Catalyzed ortho Alkenylation of Aromatics with Alkenes at Room Temperature with Hydrogen Evolution. <i>ACS Catalysis</i> , 2016 , 6, 230-234	13.1	128
98	Recent advances in the ruthenium-catalyzed hydroarylation of alkynes with aromatics: synthesis of trisubstituted alkenes. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 10420-36	3.9	120
97	Transition metal-catalyzed three-component coupling of allenes and the related allylation reactions. <i>Chemical Communications</i> , 2008 , 3101-17	5.8	113
96	Cobalt-Catalyzed Cyclization of N-Methoxy Benzamides with Alkynes using an Internal Oxidant through C-H/N-O Bond Activation. <i>Chemistry - A European Journal</i> , 2016 , 22, 5899-903	4.8	90
95	Regioselective ortho-arylation and alkenylation of N-alkyl benzamides with boronic acids via ruthenium-catalyzed C-H bond activation: an easy route to fluorenones synthesis. <i>Organic Letters</i> , 2012 , 14, 5246-9	6.2	89
94	Ruthenium-Catalyzed Regioselective Cyclization of Aromatic Ketones with Alkynes: An Efficient Route to Indenols and Benzofulvenes. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 417-423	3.2	87
93	Reaction of arynes, N-heteroaromatics and nitriles. <i>Chemical Communications</i> , 2006 , 2454-6	5.8	87
92	Ruthenium-catalyzed ortho-arylation of acetanilides with aromatic boronic acids: an easy route to prepare phenanthridines and carbazoles. <i>Chemical Communications</i> , 2014 , 50, 2442-4	5.8	85
91	Ruthenium-catalyzed regioselective oxidative coupling of aromatic and heteroaromatic esters with alkenes under an open atmosphere. <i>Chemical Communications</i> , 2012 , 48, 7140-2	5.8	85
90	Synthesis of isoindolinones via a ruthenium-catalyzed cyclization of N-substituted benzamides with allylic alcohols. <i>Chemical Communications</i> , 2015 , 51, 2929-32	5.8	82

89	A cooperative copper- and palladium-catalyzed three-component coupling of benzyne, allylic epoxides, and terminal alkynes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 391-4	16.4	79
88	Cobalt-catalyzed intramolecular [2 + 2 + 2] cocyclotrimerization of nitrilediynes: an efficient route to tetra- and pentacyclic pyridine derivatives. <i>Organic Letters</i> , 2007 , 9, 505-8	6.2	79
87	Cobalt(II)-catalyzed regio- and stereoselective hydroarylation of alkynes with organoboronic acids. <i>Chemistry - A European Journal</i> , 2008 , 14, 11296-9	4.8	79
86	Highly efficient cyclization of o-iodobenzoates with aldehydes catalyzed by cobalt bidentate phosphine complexes: a novel entry to chiral phthalides. <i>Chemistry - A European Journal</i> , 2007 , 13, 4356-63	4.8	78
85	Platinum-catalyzed multistep reactions of indoles with alkynyl alcohols. <i>Chemistry - A European Journal</i> , 2007 , 13, 8285-93	4.8	78
84	Oxidative Cross-Coupling of Two Different Phenols: An Efficient Route to Unsymmetrical Biphenols. <i>Organic Letters</i> , 2015 , 17, 3042-5	6.2	75
83	Ruthenium-catalyzed aerobic oxidative cyclization of aromatic and heteroaromatic nitriles with alkynes: a new route to isoquinolones. <i>Chemical Communications</i> , 2013 , 49, 6060-2	5.8	72
82	Palladium-catalyzed [2 + 2 + 2] cocyclotrimerization of benzyne with bicyclic alkenes: an efficient route to anellated 9,10-dihydrophenanthrene derivatives and polyaromatic compounds. <i>Journal of Organic Chemistry</i> , 2004 , 69, 8445-50	4.2	72
81	Ruthenium-catalyzed cyclization of anilides with substituted propiolates or acrylates: an efficient route to 2-quinolinones. <i>Organic Letters</i> , 2014 , 16, 3568-71	6.2	70
80	Ene reaction of arynes with alkynes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2232-3	16.4	69
79	Palladium-catalyzed allylalkynylation of benzyne: a highly efficient route to substituted 1-allyl-2-alkynylbenzenes. <i>Organic Letters</i> , 2004 , 6, 2821-4	6.2	69
78	Cobalt-Catalyzed Oxidative Cyclization of Benzamides with Maleimides: Synthesis of Isoindolone Spirosuccinimides. <i>Organic Letters</i> , 2017 , 19, 5884-5887	6.2	68
77	Highly efficient route to o-Allylbiaryls via palladium-catalyzed three-component coupling of benzyne, allylic halides, and aryl organometallic reagents. <i>Organic Letters</i> , 2005 , 7, 2921-4	6.2	68
76	Carbocyclization of aromatic iodides, bicyclic alkenes, and benzyne involving a palladium-catalyzed C-H bond activation as a key step. <i>Organic Letters</i> , 2006 , 8, 5581-4	6.2	67
75	Cobalt-catalyzed addition reaction of organoboronic acids with aldehydes: highly enantioselective synthesis of diarylmethanols. <i>Chemistry - A European Journal</i> , 2010 , 16, 8989-92	4.8	65
74	Highly regio- and chemoselective [2 + 2 + 2] cycloaddition of electron-deficient diynes with allenes catalyzed by nickel complexes: a novel entry to polysubstituted benzene derivatives. <i>Journal of Organic Chemistry</i> , 2002 , 67, 7724-9	4.2	64
73	Ruthenium-catalyzed hydroarylation of anilides with alkynes: an efficient route to ortho-alkenylated anilines. <i>Organic Letters</i> , 2014 , 16, 912-5	6.2	63
72	Ruthenium-catalyzed highly regio- and stereoselective hydroarylation of aryl carbamates with alkynes via C-H bond activation. <i>Chemical Communications</i> , 2013 , 49, 481-3	5.8	62

71	A regioselective synthesis of 1-haloisoquinolines via ruthenium-catalyzed cyclization of O-methylbenzohydroximoyl halides with alkynes. <i>Chemical Communications</i> , 2013 , 49, 3703-5	5.8	60
70	Ruthenium-Catalyzed Oxidant-Free Allylation of Aromatic Ketoximes with Allylic Acetates at Room Temperature. <i>Chemistry - A European Journal</i> , 2015 , 21, 13934-8	4.8	59
69	Nickel-catalyzed borylative coupling of alkynes, enones, and bis(pinacolato)diboron as a route to substituted alkenyl boronates. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2192-5	16.4	58
68	Synthesis of N-arylated 1,2-dihydroheteroaromatics through the three-component reaction of arynes with N-heteroaromatics and terminal alkynes or ketones. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 153-9	4.5	58
67	Palladium-catalyzed cyclization of benzamides with arynes: application to the synthesis of phenaglydon and N-methylcrinasiadine. <i>Chemical Communications</i> , 2014 , 50, 12116-9	5.8	57
66	Ruthenium-catalyzed cyclization of aromatic nitriles with alkenes: stereoselective synthesis of (Z)-3-methyleneisoindolin-1-ones. <i>Organic Letters</i> , 2014 , 16, 4866-9	6.2	57
65	Ruthenium-catalyzed oxidative ortho-benzoylation of acetanilides with aromatic acids. <i>Chemical Communications</i> , 2013 , 49, 9651-3	5.8	57
64	Ruthenium- and palladium-catalyzed consecutive coupling and cyclization of aromatic sulfoximines with phenylboronic acids: an efficient route to dibenzothiazines. <i>Chemical Communications</i> , 2015 , 51, 12992-5	5.8	52
63	Ruthenium-catalyzed highly regio- and stereoselective hydroarylation of aromatic sulfoxides with alkynes via C-H bond activation. <i>Chemical Communications</i> , 2014 , 50, 14573-6	5.8	52
62	Cobalt-catalyzed C-H olefination of aromatics with unactivated alkenes. <i>Chemical Communications</i> , 2016 , 52, 10533-6	5.8	52
61	Alkylation, Annulation, and Alkenylation of Organic Molecules with Maleimides by Transition-Metal-Catalyzed C-H Bond Activation. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 1949-1969 ³		50
60	Aerobic Oxidative Alkenylation of Weak O-Coordinating Arylacetamides with Alkenes via a Rh(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2019 , 21, 1320-1324	6.2	50
59	A highly regio- and stereoselective nickel-catalyzed ring-opening reaction of alkyl- and allylzirconium reagents to 7-oxabenzonorbornadienes. <i>Journal of Organic Chemistry</i> , 2005 , 70, 9545-50	4.2	49
58	Ruthenium-catalyzed ortho alkenylation of aromatic nitriles with activated alkenes via C-H bond activation. <i>Chemical Communications</i> , 2015 , 51, 10738-41	5.8	45
57	Nickel-catalyzed Mizoroki-Heck- versus Michael-type addition of organoboronic acids to alpha,beta-unsaturated alkenes through fine-tuning of ligands. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1409-16	4.5	41
56	Total synthesis of aristolactam alkaloids synergistic C-H bond activation and dehydro-Diels-Alder reactions. <i>Chemical Science</i> , 2017 , 8, 4130-4135	9.4	40
55	Rhodium(III)-Catalyzed Redox-Neutral 1,1-Cyclization of N-Methoxy Benzamides with Maleimides via C-H/N-H/N-O Activation: Detailed Mechanistic Investigation. <i>Journal of Organic Chemistry</i> , 2019 , 84, 4058-4071	4.2	40
54	ortho-Benzoylation of N-alkyl benzamides with aromatic acids catalyzed by ruthenium(II) complex. <i>Chemistry - A European Journal</i> , 2014 , 20, 4092-7	4.8	39

53	Ruthenium-Catalyzed Selective Aerobic Oxidative ortho-Alkenylation of Substituted Phenols with Alkenes through C-H Bond Activation. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 1150-1157	3.2	38
52	Palladium-catalyzed three-component coupling of arynes with allylic acetates or halides and terminal alkynes promoted by cuprous iodide. <i>Chemical Communications</i> , 2008 , 2158-60	5.8	37
51	tmp(4)Zr: an atom-economical base for the metalation of functionalized arenes and heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8520-4	16.4	36
50	Highly selective nickel-catalyzed three-component coupling of alkynes with enones and alkenyl boronic acids: a novel route to substituted 1,3-dienes. <i>Organic Letters</i> , 2010 , 12, 3610-3	6.2	33
49	Palladium-catalyzed multistep reactions involving ring closure of 2-iodophenoxyallenes and ring opening of bicyclic alkenes. <i>Organic Letters</i> , 2006 , 8, 621-3	6.2	32
48	Ruthenium-Catalyzed Remote C-H Sulfonylation of N-Aryl-2-aminopyridines with Aromatic Sulfonyl Chlorides. <i>Organic Letters</i> , 2017 , 19, 6000-6003	6.2	31
47	Ruthenium(II)-Catalyzed Cyclization of Aromatic Acids with Allylic Acetates via Redox-Free Two-Fold Aromatic/Allylic C-H Activations: Combined Experimental and DFT Studies. <i>Organic Letters</i> , 2018 , 20, 1982-1986	6.2	31
46	One-pot synthesis of benzolactones and lactams via a cobalt-catalyzed regioselective [2 + 2 + 2] cocyclotrimerization of alkynyl alcohols and amines with propiolates. <i>Chemical Communications</i> , 2005 , 4955-7	5.8	31
45	Ruthenium(II)-Catalyzed Regioselective-Controlled Allenylation/Cyclization of Benzimidates with Propargyl Alcohols. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8567-8580	4.2	31
44	Ruthenium-catalyzed dimerization of propiolates: a simple route to β -pyrones. <i>Organic Letters</i> , 2014 , 16, 652-5	6.2	29
43	Ruthenium-catalyzed intramolecular selective halogenation of O-methylbenzohydroximoyl halides: a new route to halogenated aromatic nitriles. <i>Chemical Communications</i> , 2013 , 49, 3146-8	5.8	29
42	Copper-catalyzed three-component coupling of arynes, terminal alkynes and activated alkenes. <i>Chemical Communications</i> , 2008 , 5013-5	5.8	29
41	Aerobic dehydrogenative α -arylation of benzyl ketones with aromatics through carbon-carbon bond cleavage. <i>Organic Letters</i> , 2014 , 16, 804-7	6.2	28
40	Ruthenium(II)-Catalyzed Redox-Neutral Oxidative Cyclization of Benzimidates with Alkenes with Hydrogen Evolution. <i>Organic Letters</i> , 2017 , 19, 6678-6681	6.2	28
39	Highly regio- and stereoselective silylstannation of allenes catalyzed by phosphine-free palladium complexes. <i>Chemical Communications</i> , 2002 , 2552-2553	5.8	28
38	Ruthenium(II)-Catalyzed Redox-Free [3 + 2] Cycloaddition of N-Sulfonyl Aromatic Aldimines with Maleimides. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3746-3755	4.2	27
37	Temperature-controlled redox-neutral ruthenium(ii)-catalyzed regioselective allylation of benzamides with allylic acetates. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 7691-701	3.9	27
36	Regioselective Synthesis of Isocoumarins via Iridium(III)-Catalyzed Oxidative Cyclization of Aromatic Acids with Propargyl Alcohols. <i>Journal of Organic Chemistry</i> , 2019 , 84, 2699-2712	4.2	25

35	Solvent-controlled selective synthesis of biphenols and quinones via oxidative coupling of phenols. <i>Chemical Communications</i> , 2017 , 53, 9616-9619	5.8	25
34	Ruthenium-catalyzed cyclization of N-carbamoyl indolines with alkynes: an efficient route to pyrroloquinolinones. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 9276-84	3.9	22
33	Cobalt-catalyzed cyclization of benzamides with alkynes: a facile route to isoquinolones with hydrogen evolution. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 8384-8389	3.9	22
32	Highly regio- and chemoselective palladium-catalyzed three-component assembly of aryethylidene malonitriles, allylic chlorides, and allenylstannanes: a novel route to 1,7-enyne derivatives. <i>Organic Letters</i> , 2003 , 5, 881-4	6.2	21
31	Palladium-catalyzed highly regio-, stereo- and chemoselective carbogermanylation of allenes: a novel method for the synthesis of 2-arylallylgermane derivatives. <i>Chemical Communications</i> , 2003 , 1746	5.8	21
30	Ruthenium-Catalyzed C-H Benzoylation of tert-Benzamides with Aromatic Acids by Weak Coordination. <i>Journal of Organic Chemistry</i> , 2017 , 82, 12691-12700	4.2	20
29	Highly regio- and chemoselective palladium-catalyzed propargylallylation of activated olefins: a novel route to 1,7-enyne derivatives. <i>Journal of Organic Chemistry</i> , 2004 , 69, 4053-62	4.2	20
28	Nickel-Catalyzed Borylative Coupling of Alkynes, Enones, and Bis(pinacolato)diboron as a Route to Substituted Alkenyl Boronates. <i>Angewandte Chemie</i> , 2009 , 121, 2226-2229	3.6	19
27	Rhodium(III)-Catalyzed C-H Olefination of Aromatic/Vinyl Acids with Unactivated Olefins at Room Temperature. <i>Organic Letters</i> , 2020 , 22, 5057-5062	6.2	17
26	Remote alkylation of N-(quinolin-8-yl)benzamides with alkyl bromides via ruthenium(ii)-catalyzed C-H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 3419-3427	3.9	16
25	Ruthenium(II)-Catalyzed Distal Weak O-Coordinating C-H Alkylation of Arylacetamides with Alkenes: Combined Experimental and DFT Studies. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3977-3989	4.2	16
24	Ruthenium-Catalyzed C \equiv N Amidation and Alkenylation of Cyclic N-Sulfonyl Ketimines. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 4013-4019	3.2	15
23	Platinum-catalyzed multi-step reaction of propargyl alcohols with N-heteroaromatics. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 141-6	4.5	15
22	A Cooperative Copper- and Palladium-Catalyzed Three-Component Coupling of Benzynes, Allylic Epoxides, and Terminal Alkynes. <i>Angewandte Chemie</i> , 2009 , 121, 397-400	3.6	14
21	Recent Advancements in Allylic C(sp ³) \equiv N Functionalization of Olefins Catalyzed by Rh(III) or Ir(III) Complexes. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 7304-7319	3.2	14
20	Iridium(III)-Catalyzed Intermolecular Allylic C-H Amidation of Internal Alkenes with Sulfonylamides. <i>Journal of Organic Chemistry</i> , 2019 , 84, 13053-13064	4.2	13
19	Ru(II)- or Rh(III)-Catalyzed Difunctionalization of Alkenes by Tandem Cyclization of α -Aryl Acrylamides with Alkenes. <i>Journal of Organic Chemistry</i> , 2019 , 84, 14830-14843	4.2	12
18	Oxidative Cross-Coupling of Substituted Phenols with Unactivated Aromatics. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4305-4312	3.2	12

17	Rhodium(III)-Catalyzed Aerobic Oxidative C-H Olefination of Unsaturated Acrylamides with Unactivated Olefins. <i>Organic Letters</i> , 2021 , 23, 767-771	6.2	11
16	Rhodium(III)-Catalyzed ortho-Alkenylation of Anilides with Maleimides. <i>ChemistrySelect</i> , 2019 , 4, 2976-2988		10
15	Cobalt(III)-Catalyzed Redox-Neutral Coupling of Acrylamides with Activated Alkenes via C-H Bond Activation. <i>Synthesis</i> , 2020 , 52, 1625-1633	2.9	10
14	Rhodium(III)-Catalyzed Redox-Neutral Weak π -Coordinating Vinylation and Allylation of Arylacetamides with Allylic Acetates. <i>Organic Letters</i> , 2019 , 21, 5655-5659	6.2	9
13	Rhodium(III)-Catalyzed Diastereoselective Ring-Opening of 7-Azabenzonorbornadienes with Aromatic Ketoximes: Synthesis of Benzophenanthridine Derivatives. <i>Journal of Organic Chemistry</i> , 2019 , 84, 15590-15604	4.2	9
12	Cobalt(III)-catalyzed redox-neutral [4+2]-annulation of N-chlorobenzamides/acrylamides with alkylidenecyclopropanes at room temperature. <i>Chemical Communications</i> , 2021 , 57, 3692-3695	5.8	9
11	A regioselective synthesis of benzopinacolones through aerobic dehydrogenative α -arylation of the tertiary sp ³ C-H bond of 1,1-diphenylketones with aromatic and heteroaromatic compounds. <i>Chemistry - A European Journal</i> , 2015 , 21, 1337-42	4.8	7
10	Aerobic Oxidative C-H Olefination of Arylamides with Unactivated Olefins via a Rh(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2021 , 23, 2964-2970	6.2	7
9	Ruthenium(II)-Catalyzed Redox-Neutral C-H Alkylation of Arylamides with Unactivated Olefins. <i>Organic Letters</i> , 2021 , 23, 4849-4854	6.2	5
8	Substituted 1-Allyl-2-allenylbenzenes via Palladium-Catalyzed Allylallenylation of Benzyne Derivatives. <i>Synthesis</i> , 2005 , 2005, 1693-1697	2.9	4
7	Rh(III)-Catalyzed allylic C-H amidation of unactivated alkenes with generated iminoiodinanes. <i>Chemical Communications</i> , 2021 , 57, 6428-6431	5.8	4
6	Ruthenium(II)-catalyzed Ortho C-O Bond Formation of Substituted Aromatics with Oxygen Nucleophiles through C-H Bond Activation 2014 , 80, 999		3
5	Effect of Transition Metals on Chemodivergent Cross-Coupling of Acrylamides with Vinyl Acetate via C-H Activation. <i>Organic Letters</i> , 2021 , 23, 5679-5683	6.2	3
4	Recent Advances in Transition-Metal-Catalyzed C-H Functionalization Reactions Involving Aza/Oxabicyclic Alkenes. <i>Synthesis</i> , 2021 , 53, 3249-3262	2.9	2
3	A Short Total Synthesis of Benzophenanthridine Alkaloids via a Rhodium(III)-Catalyzed C-H Ring-Opening Reaction. <i>Journal of Organic Chemistry</i> , 2021 , 86, 14826-14843	4.2	1
2	Palladium-Catalyzed Aerobic β -Dehydrogenation of Aliphatic Amides.. <i>Journal of Organic Chemistry</i> , 2022 , 87, 4873-4882	4.2	0
1	Transition-Metal-Catalyzed Reactions Involving Arynes and Related Chemistry 2021 , 183-266		