

Dr. Jeganmohan M

List of Publications

Rhodium(III)-Catalyzed Diastereoselective Ring-Opening of 7-Azabenzonorbornadienes with Aromatic Ketoximes: Synthesis of Benzophenanthridine Derivatives. Vinayagam, V. ; Mariappan, A.; Jana, M.; Jeganmohan, M., J. Org. Chem, 2019,84, 23, 15590-15604

Ru(II)- or Rh(III)-Catalyzed Difunctionalization of Alkenes by Tandem Cyclization of N-Aryl Acrylamides with Alkenes. Manoharan, R.; Logeswaran, R.; Jeganmohan, M. 2019, 84, 22, 14830-14843

Iridium(III)-Catalyzed Intermolecular Allylic C-H Amidation of Internal Alkenes with Sulfonamides. Sihag, P.; Jeganmohan, M. J. Org. Chem, 2019, 84, 20, 13053-13064.(Special Issue: C–H Bond Functionalization)

“Rhodium(III)-Catalyzed Redox-Neutral Weak O-Coordinating Vinylation and Allylation of Arylacetamides with Allylic Acetates” Jambu, S.; Jeganmohan, M., Org. Lett., 2019, 21, 14, 5655-5659

“Alkylation, Annulation and Alkenylation of Organic Molecules with Maleimides via Transition-Metal-Catalyzed C–H Bond Activation”Manoharan, R.; Jeganmohan, M., Asian J. Org. Chem.

“Ruthenium(II) Catalyzed Distal Weak O-Coordinating C H Alkylation of Arylacetamides with Alkenes: Combined Experimental and DFT Studies” Sivasakthikumaran, R.; Jambu, S.; Jeganmohan, M. J. Org. Chem.,2019,84,7,3977-3989

“Aerobic Oxidative Alkenylation of Weak O-Coordinating Arylacetamides with Alkenes via a Rh(III)-Catalyzed C–H Activation” . Jambu, S.; Sivasakthikumaran, R.; Jeganmohan, M.;Org. Lett., 2019, 21 (5), pp 1320–1324

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” Ramesh, B.; Tamizmani, M.; Jeganmohan, M., J. Org. Chem, 2019, 84, 7, 4058-4071

Rhodium(III) Catalyzed ortho-Alkenylation of Anilides with Maleimides”, Tamizmani, M.; Gouranga, N.; Jeganmohan, M., ChemistrySelect, 2019, 4,11, 2976-2981

“Regioselective Synthesis of Isocoumarins via Iridium(III)-Catalyzed Oxidative Cyclization of Aromatic Acids with Propargyl Alcohols.Sihag, P.; Jeganmohan, M.; J. Org. Chem, 2019, 84, 5,2699-2712

Cobalt Catalyzed Cyclization of Benzamides with Alkynes: A Facile Route to Isoquinolones with Hydrogen Evolution. Ramasamy Manoharan and Masilamani Jeganmohan. Org. Biomol. Chem., 2018,16, 8384-8389

Total Synthesis of Aristolactam Alkaloids via Synergistic C-H Bond Activation and Dehydro-Diels-Alder Reactions Reddy, M. C.; Jeganmohan, M.; Chem. Sci., 2017, 8, 4130

Recent advances in the ruthenium(II)-catalyzed chelation-assisted C–H olefination of substituted aromatics, alkenes and heteroaromatics with alkenes via the deprotonation pathway. Manikandan, R.; Jeganmohan, M.; Chem. Commun. 2017, 53, 8931

Oxidative Cross-Coupling of Substituted Phenols with Unactivated Aromatics More, N. Y; Jeganmohan, M., Eur. J. Org. Chem, 2017, 4305 (Invited article for special issue: “Emerging investigators in India”)

Solvent-controlled selective synthesis of biphenols and quinones via oxidative coupling of phenols More, N. Y; Jeganmohan, M.; Chem. Commun. 2017, 53, 9616

Cobalt-Catalyzed Oxidative Cyclization of Benzamides with Maleimides: Synthesis of Isoindolone Spirosuccinimides Manoharan, R.; Jeganmohan, M.; Org. Lett., 2017, 19, 5884.

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Ruthenium-Catalyzed C-H Benzoxylation of tert-Benzamides with Aromatic Acids by Weak Coordination More, N. Y.; Kishor, P.; Jeganmohan, M.; J. Org. Chem., 2017, 82, 12691.

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Ruthenium(II)-Catalyzed Redox-Free [3+2] Cycloaddition of N-Sulfonyl Aromatic Aldimines with Maleimides Tamizmani, M.; Ramesh, B.; Jeganmohan, M.; J. Org. Chem., 2018, 83, 3746.

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Remote Alkylation of N-(Quinolin-8-yl)benzamides with Alkyl Bromides via a Ruthenium(II) Catalyzed C-H Bond Activation Mariappan, A.; Das, K. M.; Jeganmohan, M.; Org. Biomol. Chem. 2018, 16, 1439

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Oxidative Cross-Coupling of Two Different Phenols: An Efficient Route to Unsymmetrical Biphenols More, N. Y.; Jeganmohan, M.; Org. Lett., 2015, 17, 3042.

Ruthenium-catalyzed ortho alkenylation of aromatic nitriles with activated alkenes via C-H bond activation Reddy, M. C.; Jeganmohan, M.; Chem. Commun., 2015, 51, 10738

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Ruthenium- and palladium-catalyzed consecutive coupling and cyclization of aromatic sulfoximines with phenylboronic acids: an efficient route to dibenzothiazines Ravikiran, CG.; Vijeta, A.; Jeganmohan, M.; Chem. Commun., 2015, 51, 12992

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Recent advances in the ruthenium-catalyzed hydroarylation of alkynes with aromatics: synthesis of trisubstituted alkenes Manikandan, R.; Jeganmohan, M.; Org. Biomol. Chem., 2015, 13, 10420 (Invited review)

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