

Karu Ramesh

List of Publications by Year in descending order

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72
papers

1,358
citations

331670

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Domino Palladium-Catalyzed C–C and C–O Bonds Formation via Dual C–H Bond Activation: Synthesis of 6,6-Dialkyl-6H-benzochromenes. <i>Organic Letters</i> , 2012, 14, 628-631.	4.6	89
2	Formation of pentacyclic structures by a domino sequence on cyclic enamides. <i>Chemical Communications</i> , 2009, , 1571.	4.1	88
3	Palladium-Catalyzed Environmentally Benign Acylation. <i>Journal of Organic Chemistry</i> , 2016, 81, 6409-6423.	3.2	72
4	Substitution Controlled Functionalization of ortho-Bromobenzyl Alcohols via Palladium Catalysis: Synthesis of Chromenes and Indenols. <i>Journal of Organic Chemistry</i> , 2014, 79, 2059-2074.	3.2	52
5	Domino Oxidative [Pd]-Catalysis: One-Pot Synthesis of Fluorenones Starting from Simple Benzylamines and Iodo Arenes. <i>Organic Letters</i> , 2015, 17, 5894-5897.	4.6	51
6	Microwave assisted domino heck cyclization and alkylation: synthesis of alkyne substituted dihydrobenzofurans. <i>Green Chemistry</i> , 2018, 20, 369-374.	9.0	48
7	Palladium-Catalyzed Acylations: One-Pot Synthesis of Indenones. <i>Journal of Organic Chemistry</i> , 2017, 82, 372-381.	3.2	43
8	Lewis acid promoted dual bond formation: facile synthesis of dihydrocoumarins and spiro-tetracyclic dihydrocoumarins. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4347-4360.	2.8	41
9	Domino [Pd]-Catalysis: One-Pot Synthesis of Isobenzofuran-1(3H)-ones. <i>Journal of Organic Chemistry</i> , 2016, 81, 7685-7691.	3.2	41
10	Domino One-Pot Process for the Synthesis of Isobenzofuran-1(3H)-ones via [Cu]-Catalysis Using Water as the Green Solvent. <i>Journal of Organic Chemistry</i> , 2015, 80, 7089-7098.	3.2	39
11	[Cu]-Catalyzed Domino Sonogashira Coupling Followed by Intramolecular 5-exo-dig Cyclization: Synthesis of 1,3-Dihydro-2-benzofurans. <i>Journal of Organic Chemistry</i> , 2014, 79, 8566-8576.	3.2	38
12	Metal-Free Domino One-Pot Decarboxylative Cyclization of Cinnamic Acid Esters: Synthesis of Functionalized Indanes. <i>Journal of Organic Chemistry</i> , 2016, 81, 12212-12222.	3.2	36
13	Bimetallic Pd–Au/TiO ₂ Nanoparticles: An Efficient and Sustainable Heterogeneous Catalyst for Rapid Catalytic Hydrogen Transfer Reduction of Nitroarenes. <i>ACS Omega</i> , 2018, 3, 13065-13072.	3.5	36
14	A simple efficient sequential one-pot intermolecular aza-Michael addition and intramolecular Buchwald–Hartwig <i>trans</i> -arylation of amines: synthesis of functionalized tetrahydroisoquinolines. <i>Tetrahedron</i> , 2012, 68, 8003-8010.	1.9	30
15	Oxidative annulations triggered by a simple Lewis acid: facile synthesis of benzofurans. <i>Organic Chemistry Frontiers</i> , 2017, 4, 972-977.	4.5	28
16	A Domino Palladium-Catalyzed Cyclization: One-Pot Synthesis of 4b-Alkyl-10-phenyl-4b,5-dihydroindeno[2,1-a]indenes via Carbopalladation Followed by C–H Activation. <i>Journal of Organic Chemistry</i> , 2017, 82, 4254-4264.	3.2	28
17	Microwave-Assisted Domino Palladium Catalysis in Water: A Diverse Synthesis of 3,3-Disubstituted Heterocyclic Compounds. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2171-2177.	2.4	27
18	KO ₂ -Mediated Domino Isomerization and Functionalization of Aromatic Allylic Alcohols. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3886-3895.	2.4	24

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19	An efficient intermolecular [Pd]-catalyzed C=C and intramolecular [Cu]-catalyzed C=O bonds formation: synthesis of functionalized flavans and benzoxepine. <i>Tetrahedron Letters</i> , 2012, 53, 3861-3864.	1.4	23
20	An Approach to One-Pot Regioselective Synthesis of Indenones through Palladium-Catalyzed Annulation in Water. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4135-4146.	2.4	23
21	Photocatalytic hydrogenation of nitroarenes: supporting effect of CoO ₂ nanoparticles. <i>New Journal of Chemistry</i> , 2019, 43, 748-754.	2.8	22
22	An efficient sequential one-pot base mediated C=O and Pd-mediated C=C bond formation: synthesis of functionalized cinnamates and isochromenes. <i>Tetrahedron Letters</i> , 2012, 53, 5635-5640.	1.4	21
23	A Domino Palladium Catalysis: Synthesis of 7-Methyl-5H-dibenzo[a,c][7] annulen-5-ones. <i>Synlett</i> , 2013, 24, 967-972.	1.8	21
24	Nano-sized Recyclable PdO Supported Carbon Nanostructures for Heck Reaction: Influence of Carbon Materials. <i>ChemistrySelect</i> , 2017, 2, 2700-2707.	1.5	21
25	Biaryl Formation from 5-(2-Bromobenzyl)-Substituted Piperidin-2-ones via Palladacycles. <i>Organic Letters</i> , 2008, 10, 2361-2364.	4.6	19
26	Formation of bi-aryls via a domino palladium catalysis. <i>Tetrahedron Letters</i> , 2014, 55, 861-864.	1.4	19
27	Recyclable Pd/CuFe ₂ O ₄ nanowires: a highly active catalyst for C=C couplings and synthesis of benzofuran derivatives. <i>RSC Advances</i> , 2018, 8, 21030-21039.	3.6	19
28	Sequential one-pot approach for the synthesis of functionalized phthalans via Heck-reduction cyclization (HRC) reactions. <i>RSC Advances</i> , 2015, 5, 26749-26761.	3.6	18
29	Fabrication of Pd/CuFe ₂ O ₄ hybrid nanowires: a heterogeneous catalyst for Heck couplings. <i>New Journal of Chemistry</i> , 2018, 42, 1646-1654.	2.8	18
30	Zinc-Chloride-Promoted Domino Reaction of Phenols with Terminal Alkynes under Solvent-Free Conditions: An Efficient Synthesis of Chromenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2846-2857.	2.4	17
31	Palladium-Catalyzed Aerobic Oxidative Coupling of <i>ortho</i> -(Alkynyl)styrenes with Allylic Alcohols via 6- <i>endo-dig</i> Cyclization: Regioselective Construction of Polysubstituted Naphthalenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 12856-12870.	3.2	17
32	[Pd]-Catalyzed Intermolecular Coupling and Acid Mediated Intramolecular Cyclodehydration: One-Pot Synthesis of Indenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 971-979.	2.4	15
33	Recent Advances Towards the Synthesis of Dihydrobenzofurans and Dihydroisobenzofurans. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	15
34	One-pot Jeffery-Heck and Reduction Sequence: Synthesis of Alcohols and Applied to the Synthesis of Flavan Natural Products. <i>ChemistrySelect</i> , 2016, 1, 1151-1155.	1.5	13
35	One-pot C=C/C=O bond formation: synthesis of spirocyclic lactones. <i>RSC Advances</i> , 2016, 6, 837-843.	3.6	12
36	Domino [Pd]-Catalysis: Heck followed by decarboxylative Sonogashira couplings under microwave irradiation in aqueous medium. <i>Journal of Organometallic Chemistry</i> , 2019, 890, 58-71.	1.8	12

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37	A simple Lewis acid induced reaction of phenols with electrophiles: Synthesis of functionalized 4H-chromenes and ortho-benzylphenols. <i>Synthetic Communications</i> , 2020, 50, 112-122.	2.1	12
38	Recent advances on the synthesis of flavans, isoflavans, and neoflavans. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 415-441.	2.6	12
39	A simple removable aliphatic nitrile template 2-cyano-2,2-di-isobutyl acetic acid for remote <i>meta</i> -selective C-H functionalization. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1959-1969.	4.5	12
40	Palladium-Catalyzed Distal <i>meta</i> -C-H Functionalization of Arylacetic Acid Derivatives. <i>Organic Letters</i> , 2021, 23, 7353-7358.	4.6	11
41	1,2,3,4-Tetrahydroisoquinolines as inhibitors of HIV-1 integrase and human LEDGF/p75 interaction. <i>Chemical Biology and Drug Design</i> , 2018, 91, 1133-1140.	3.2	10
42	Palladium-Catalyzed Direct Acylation: One-Pot Relay Synthesis of Anthraquinones. <i>Synthesis</i> , 2019, 51, 769-779.	2.3	10
43	Organic transformations catalyzed by palladium nanoparticles on carbon nanomaterials. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	9
44	Microwave-Assisted Domino Heck Cyclization and Phosphorylation: Synthesis of Phosphorus Containing Heterocycles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3856-3866.	2.4	9
45	Novel ultra-small Pd NPs on SOS spheres: a new catalyst for domino intramolecular Heck and intermolecular Sonogashira couplings. <i>RSC Advances</i> , 2020, 10, 4568-4578.	3.6	9
46	Palladium Nanoparticles on Silica Nanospheres for Switchable Reductive Coupling of Nitroarenes. <i>Catalysis Letters</i> , 2020, 150, 2309-2321.	2.6	9
47	Copper catalyzed coupling of protecting group free and sterically hindered 2-bromobenzyl tertiary alcohols with phenols and anilines: facile synthesis of xanthenes and dihydroacridines. <i>RSC Advances</i> , 2016, 6, 20588-20597.	3.6	8
48	Lewis Acid Catalyzed Dual Bond Formation: One-Pot Synthesis of Indenes. <i>ChemistrySelect</i> , 2018, 3, 289-293.	1.5	8
49	[Cu]-catalyzed direct coupling of dibromoalkenes: Synthesis of symmetrical 1,3-diynes and triazoles. <i>Synthetic Communications</i> , 2017, 47, 1151-1158.	2.1	7
50	One-Pot Heck and Reduction: Application towards Efficient Synthesis of Flavans Promoted by Lewis Acid. <i>ChemistrySelect</i> , 2017, 2, 10809-10813.	1.5	7
51	Palladium-Catalyzed Direct Oxidative Coupling of Iodoarenes with Primary Alcohols Leading to Ketones: Application to the Synthesis of Benzofuranones and Indenones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4832-4843.	2.4	7
52	Recyclable Aliphatic Nitrile-Template Enabled Remote <i>meta</i> -C-H Functionalization at Room Temperature. <i>Journal of Organic Chemistry</i> , 2022, 87, 2204-2221.	3.2	7
53	Palladium-Catalyzed Copper-Free Sonogashira Coupling of 2-Bromoarylcarbonyls: Synthesis of Isobenzofurans via One-Pot Reductive Cyclization. <i>Synthesis</i> , 2017, 49, 5149-5158.	2.3	6
54	Palladium-Catalyzed Hydroxy Group Directed Regioselective Monoarylation of 2-Hydroxybiphenyls to 2-Hydroxy to <i>ortho</i> -terphenyls. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2472-2480.	2.4	6

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55	Time and Temperature Dependent Palladium-Catalyzed Stereo- and Regioselective Alkoxy-arylation of Triple Bonds: Synthesis of (<i>E</i>)-1,1-Disubstituted-3-(1-Phenylalkylidene)-1,3-dihydroisobenzofurans. <i>Journal of Organic Chemistry</i> , 2021, 86, 8182-8196.	3.2	6
56	Palladium Catalyzed Direct Acylation of Iodoacetanilides/Iodo Phenyl Acetates: Domino One-Pot Synthesis of 2-Quinolinones. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 957-970.	2.4	5
57	Microwave-assisted intramolecular reductive Heck in aqueous medium: Synthesis of 3,3-Disubstituted heterocyclic compounds. <i>Journal of Organometallic Chemistry</i> , 2019, 902, 120963.	1.8	5
58	Palladium mediated domino reaction: synthesis of isochromenes under aqueous medium. <i>RSC Advances</i> , 2020, 10, 338-349.	3.6	5
59	Propargyl alcohols as alkyne sources: Synthesis of heterocyclic compounds under microwave irradiation. <i>Journal of Organometallic Chemistry</i> , 2020, 922, 121350.	1.8	5
60	A Metal-Free Path to 2-Iodo-3-alkyl-1-arylbut-2-en-1-ones and Their Application to the Domino Synthesis of Functionalized 2-H-Pyran-2-ones. <i>Journal of Organic Chemistry</i> , 2022, 87, 2222-2240.	3.2	5
61	Palladium Catalysis: One-Pot Synthesis of Fluorenones. <i>ChemistrySelect</i> , 2018, 3, 7867-7870.	1.5	4
62	Nickel catalyzed intramolecular oxidative coupling: synthesis of 3-aryl benzofurans. <i>RSC Advances</i> , 2020, 10, 22264-22272.	3.6	4
63	Dual C-C Bond Forming Heck and Sonogashira Couplings Followed by Hydroarylation: Synthesis of Tricyclic Frameworks. <i>ChemistrySelect</i> , 2020, 5, 2430-2434.	1.5	4
64	[Pd]-Catalyzed <i>para</i> -selective allylation of phenols: access to 4-[(<i>E</i>)-3-aryl/alkylprop-2-enyl]phenols. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8259-8263.	2.8	4
65	Intermolecular Sonogashira Coupling and Intramolecular 5- <i>Exo</i> - <i>dig</i> Cycloisomerization Cascade: A One-Pot Pathway for Accessing (3-Benzylbenzofuran-2-yl)(phenyl)methanones. <i>Journal of Organic Chemistry</i> , 2022, 87, 10158-10172.	3.2	4
66	Palladium-Catalysed Coupling and Acid-Mediated Cyclisation: Synthesis of Fluorenones and Fluorenes. <i>SynOpen</i> , 2018, 02, 0268-0275.	1.7	3
67	Heterogeneous Direct Acylation Strategy to Diaryl Ketones and Their Application to 1,3-Dihydroisobenzofurans. <i>ChemistrySelect</i> , 2020, 5, 1349-1352.	1.5	3
68	Microwave-Assisted Condensation of Benzylic Alcohols and Alkynes Promoted by Zinc Halides: Concise Access to Alkenyl Halides. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4851-4860.	2.4	2
69	Switching of support materials for the hydrogenation of nitroarenes: A review. <i>Catalysis Reviews - Science and Engineering</i> , 2024, 66, 259-342.	12.9	2
70	Copper-Catalyzed Chemoselective 1,4-Reductions: Sequential One-Pot Synthesis of Esters. <i>ChemistrySelect</i> , 2019, 4, 12111-12116.	1.5	1
71	Single-Column-Based Heck Coupling, Condensation and Alkylation Strategy: Synthesis of 2-Benzoyl-2-alkyl-3-dihydro-1-H-inden-1-ones. <i>ChemistrySelect</i> , 2021, 6, 13041-13045.	1.5	1
72	Transition-Metal Catalyzed Stereoselective ¹³ C-Arylation and Friedel-Crafts Alkylation: A Concise Synthesis of Indenes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3235-3242.	2.4	0