

Srinivasarao Arulananda Babu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Indium(III) chloride as an efficient, convenient catalyst for thioacetalization and its chemoselectivity. <i>Tetrahedron Letters</i> , 2001, 42, 359-362.	0.7	96
2	Auxiliary-Enabled Pd-Catalyzed Direct Arylation of Methylene C(sp ³)-H Bond of Cyclopropanes: Highly Diastereoselective Assembling of Di- and Trisubstituted Cyclopropanecarboxamides. <i>Organic Letters</i> , 2013, 15, 3238-3241.	2.4	88
3	Regio- and Stereoselective Pd-Catalyzed Direct Arylation of Unactivated sp ³ C(3)-H Bonds of Tetrahydrofuran and 1,4-Benzodioxane Systems. <i>Journal of Organic Chemistry</i> , 2015, 80, 2339-2355.	1.7	68
4	Esters as Acylating Reagent in a Friedel-Crafts Reaction: Indium Tribromide Catalyzed Acylation of Arenes Using Dimethylchlorosilane. <i>Journal of Organic Chemistry</i> , 2008, 73, 9465-9468.	1.7	66
5	Indium triflate: a mild Lewis acid catalyst for thioacetalization and transthoacetalization. <i>Tetrahedron</i> , 2002, 58, 7897-7901.	1.0	59
6	Direct Bis-Arylation of Cyclobutanecarboxamide via Double C-H Activation: An Auxiliary-Aided Diastereoselective Pd-Catalyzed Access to Trisubstituted Cyclobutane Scaffolds Having Three Contiguous Stereocenters and an All-cis Stereochemistry. <i>Journal of Organic Chemistry</i> , 2013, 78, 11911-11934.	1.7	57
7	First example of regiospecific intermolecular C-H insertion reactions of cyclic rhodium carbenoids: novel synthesis of 3-indol-3-ylxindoles. <i>Chemical Communications</i> , 2002, , 824-825.	2.2	55
8	In- or In(I)-Employed Tailoring of the Stereogenic Centers in the Reformatsky-Type Reactions of Simple Ketones, α -Alkoxy Ketones, and β -Keto Esters. <i>Journal of Organic Chemistry</i> , 2005, 70, 10408-10419.	1.7	55
9	Magnetic nano Fe ₃ O ₄ and CuFe ₂ O ₄ as heterogeneous catalysts: A green method for the stereo- and regioselective reactions of epoxides with indoles/pyrroles. <i>Catalysis Communications</i> , 2012, 29, 118-121.	1.6	51
10	4-Amino-2,1,3-benzothiadiazole as a Removable Bidentate Directing Group for the Pd(II)-Catalyzed Arylation/Oxygenation of sp ² /sp ³ γ -C-H Bonds of Carboxamides. <i>Journal of Organic Chemistry</i> , 2016, 81, 12143-12168.	1.7	51
11	Catalytic Friedel-Crafts acylation: magnetic nanopowder CuFe ₂ O ₄ as an efficient and magnetically separable catalyst. <i>Tetrahedron Letters</i> , 2013, 54, 1738-1742.	0.7	48
12	Pd(OAc) ₂ /AgOAc Catalytic System Based Bidentate Ligand Directed Regiocontrolled C-H Arylation and Alkylation of the C ₃ Position of Thiophene and Furan-2-carboxamides. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3727-3742.	1.2	48
13	In(III)-Mediated Chemoselective Dehydrogenative Interaction of ClMe ₂ SiH with Carboxylic Acids: Direct Chemo- and Regioselective Friedel-Crafts Acylation of Aromatic Ethers. <i>Organic Letters</i> , 2007, 9, 405-408.	2.4	45
14	Tandem Cyclization-Cycloaddition Behavior of Rhodium Carbenoids with Carbonyl Compounds: Stereoselective Studies on the Construction of Novel Epoxy-Bridged Tetrahydropyranone Frameworks. <i>Journal of Organic Chemistry</i> , 2002, 67, 8019-8033.	1.7	43
15	Pd(II)-Catalyzed Arylation and Intramolecular Amidation of γ -C(sp ³)-H Bonds: En Route to Arylheteroarylmethane and Pyrrolidone Ring Annulated Furan/Thiophene Scaffolds. <i>Journal of Organic Chemistry</i> , 2017, 82, 7123-7150.	1.7	43
16	Pd(II)-Catalyzed, Picolinamide-Assisted, <i>Z</i> -Selective γ -Arylation of Allylamines To Construct <i>Z</i> -Cinnamylamines. <i>Journal of Organic Chemistry</i> , 2017, 82, 6550-6567.	1.7	42
17	Pd(OAc) ₂ -Catalyzed, AgOAc-Promoted <i>Z</i> -Selective Directed γ -Arylation of Acrylamide Systems and Stereoselective Construction of <i>Z</i> -Cinnamamide Scaffolds. <i>Journal of Organic Chemistry</i> , 2015, 80, 12379-12396.	1.7	41
18	Indium triflate: a mild and efficient Lewis acid catalyst for O-H insertion reactions of α -diazo ketones. <i>Tetrahedron Letters</i> , 2002, 43, 3133-3136.	0.7	38

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19	Diastereoselective Pd(II)-Catalyzed sp ³ C-H Arylation Followed by Ring Opening of Cyclopropanecarboxamides: Construction of anti β^2 -Acyloxy Carboxamide Derivatives. <i>Journal of Organic Chemistry</i> , 2016, 81, 8988-9005.	1.7	37
20	Pd(II)-Catalyzed Bidentate Directing Group-Aided Chemoselective Acetoxylation of Remote μ -C(sp ²)-H Bonds in Heteroaryl-Aryl-Based Biaryl Systems. <i>Journal of Organic Chemistry</i> , 2016, 81, 12197-12211.	1.7	37
21	In- or In(I)-Employed Diastereoselective Reformatsky-Type Reactions with Ketones: ^1H NMR Investigations on the Active Species. <i>Organic Letters</i> , 2004, 6, 4475-4478.	2.4	36
22	High Chelation Control of Three Contiguous Stereogenic Centers in the Reformatsky Reactions of Indium Enolates with α -Hydroxy Ketones: Unexpected Stereochemistry of Lactone Formation. <i>Organic Letters</i> , 2006, 8, 3029-3032.	2.4	36
23	Facile Synthesis of Oxatricyclic Systems with Various Ring Sizes and Substituents. <i>Tetrahedron</i> , 2000, 56, 6307-6318.	1.0	33
24	Novel regioselective synthesis of decahydrobenzocarbazoles using rhodium generated carbonyl ylides with indoles. <i>Tetrahedron Letters</i> , 2001, 42, 523-526.	0.7	32
25	Diastereoselective Production of Homoallylic Alcohols Bearing Quaternary Centers from β^3 -Substituted Allylic Indiums and Ketones. <i>Journal of Organic Chemistry</i> , 2007, 72, 10264-10267.	1.7	32
26	Novel chemoselective 1,3-dipolar cycloaddition of rhodium generated carbonyl ylides with arylidenetetralones. <i>Tetrahedron Letters</i> , 2000, 41, 8839-8842.	0.7	28
27	Magnetic Nano Fe ₃ O ₄ Catalyzed Solvent-Free Stereo- and Regioselective α -Aminolysis of Epoxides by Amines; a Green Method for the Synthesis of β^2 -Amino Alcohols. <i>Synlett</i> , 2014, 25, 835-842.	1.0	28
28	Bidentate ligand 8-aminoquinoline-aided Pd-catalyzed diastereoselective β^2 -arylation of the prochiral secondary sp ³ C-H bonds of 2-phenylbutanamides and related aliphatic carboxamides. <i>Tetrahedron</i> , 2015, 71, 8333-8349.	1.0	27
29	Microwave-Irradiated Transition-Metal Catalysis: Rapid and Efficient Dehydrative Carbon-Carbon Coupling of Alcohols with Active Methylenes. <i>Synthesis</i> , 2008, 2008, 1717-1724.	1.2	26
30	Recent Developments on the Synthesis and Applications of Natural Products-Inspired Spirooxindole Frameworks. <i>Studies in Natural Products Chemistry</i> , 2015, 46, 227-339.	0.8	26
31	Diastereoselective palladium-catalyzed functionalization of prochiral C(sp ³)-H bonds of aliphatic and alicyclic compounds. <i>Chemical Communications</i> , 2022, 58, 2612-2633.	2.2	24
32	Anomalous Reaction of Rh ₂ (OAc) ₄ -Generated Transient Carbonyl Ylides: Chemoselective Synthesis of Epoxy-Bridged Tetrahydropyranone, Oxepanone, Oxocinone, and Oxoninone Ring Systems. <i>Journal of Organic Chemistry</i> , 2007, 72, 1252-1262.	1.7	22
33	Advances in the Catalytic Reductive Amination of Furfural to Furfural Amine: The Momentous Role of Active Metal Sites. <i>ChemSusChem</i> , 2022, 15, .	3.6	22
34	A facile regioselective construction of spiro epoxy-bridged tetrahydropyranone frameworks. <i>Tetrahedron</i> , 2003, 59, 8117-8127.	1.0	21
35	Chelation-controlled diastereoselective construction of N-aryl-, N-acyl/tosylhydrazono β^2 -substituted aspartate derivatives via Barbier-type reaction. <i>Tetrahedron</i> , 2013, 69, 6598-6611.	1.0	20
36	Regio- and diastereoselective construction of a new set of functionalized pyrrolidine, spiropyrrolidine and spiropyrrolizidine scaffolds appended with aryl- and heteroaryl moieties via the azomethine ylide cycloadditions. <i>Tetrahedron</i> , 2016, 72, 5578-5594.	1.0	20

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37	Indium-Mediated Addition of β -Substituted Allylic Halides to α -Aryl β -Amino Esters: Diastereoselective Production of β,β -Disubstituted β -Amino Acid Derivatives with Two Contiguous Stereocenters. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4395-4411.	1.2	19
38	Diastereoselective Construction of β -Aminooxindoles with Adjacent Stereocenters: Stereocontrolled Addition of β -Substituted Allylindiums to Isatin Ketimines. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4168-4189.	1.2	19
39	Palladium(II)-Catalyzed sp^3/sp^2 α - and β -C-H Functionalization of Aryl Amines using 5-Methylisoxazole-3-Carboxamide as Directing Group. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 877-886.	1.3	19
40	Pd(II)-Catalyzed, Bidentate Directing Group-Aided Alkylation of sp^3 C-H Bonds: Access to β -Alkylated Thiophene/Furan and Benzothiophene/Benzofuran Motifs. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1225-1233.	1.3	19
41	Rhodium generated carbonyl ylides with <i>p</i> -quinones: synthesis of oxa-bridged polycyclic systems. <i>Tetrahedron</i> , 2001, 57, 7009-7019.	1.0	18
42	Construction of Fused Cyclooctanoid Ring Systems via Seven-Membered Ring Carbonyl Ylides. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 801-811.	2.0	18
43	Palladium-Catalyzed Double Activation and Arylation of 2° and 3° C(sp ³) C-H Bonds of the Norbornane System: Formation of a C-C Bond at the Bridgehead Carbon and Bridgehead Quaternary Stereocenter. <i>Synlett</i> , 2014, 25, 1395-1402.	1.0	18
44	Glaser-Eglinton-Hay sp coupling and macrocyclization: construction of a new class of polyether macrocycles having a 1,3-diyne unit. <i>RSC Advances</i> , 2014, 4, 18904-18916.	1.7	18
45	A regioselective 1,3-dipolar cycloaddition of 2-arylidene-1-tetralones with DPNI. <i>Heteroatom Chemistry</i> , 1999, 10, 331-336.	0.4	17
46	1,8-DIAZABICYCLO[5.4.0]UNDEC-7-ENE (DBU): A POWERFUL CATALYST FOR THE MICHAEL ADDITION REACTION OF β -KETOESTERS TO ACRYLATES AND ENONES. <i>Synthetic Communications</i> , 2002, 32, 3247-3254.	1.1	17
47	Synthesis of ortho-arylated/benzylated arylacetamide derivatives: Pd(OAc) ₂ -catalyzed bidentate ligand-aided arylation and benzylation of the β -CH bond of arylacetamides. <i>Tetrahedron</i> , 2016, 72, 5886-5897.	1.0	17
48	Palladium(II)-Promoted Directing Group-Enabled Regioselective C-H Arylation of The C-3 Position of 2- or 3-(Aminoalkyl)-Thiophene and Furfurylamine Derivatives. <i>ChemistrySelect</i> , 2016, 1, 1207-1219.	0.7	16
49	Novel Intermolecular [3 + 2] Cycloaddition Reaction of Carbonyl Ylides with Fulvenes: Entry into the Oxatetracyclo[6.5.1.0 ^{1,6} .0 ^{9,13}]tetradecene Ring System. <i>Synlett</i> , 2001, 2001, 1407-1410.	1.0	15
50	InCl ₃ : A Mild Lewis Acid but Efficient Reagent in Organic Synthesis. <i>Synlett</i> , 2002, 2002, 0531-0532.	1.0	15
51	Assembling of medium/long chain-based β -arylated unnatural amino acid derivatives via the Pd(II)-catalyzed sp^3 β -C-H arylation and a short route for rolipram-type derivatives. <i>Tetrahedron</i> , 2019, 75, 2447-2465.	1.0	15
52	Palladium-Catalyzed β -Aminoquinoline-Aided sp^2 C-H Intramolecular Amidation/Annulation: A Route to Tricyclic Quinolones. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 899-908.	1.3	15
53	Anomalous behaviour of Rh(II)-generated carbonyl ylides: entry into functionalized spiro dioxo-bridged polycyclic frameworks. <i>Tetrahedron Letters</i> , 2002, 43, 3931-3934.	0.7	14
54	Highly stereoselective synthesis of vicinal diols by stannous chloride-mediated addition of hydroxyallylic stannanes to aldehydes. <i>Tetrahedron Letters</i> , 2009, 50, 3209-3212.	0.7	14

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55	Unactivated Norbornenes in [3+2] Cycloadditions: Remarkably Stereo-controlled Entry into Norbornane-Fused Spirooxindolopyrrolidines, Spiro-1,3-indandionolpyrrolidines, and Spirooxindolopyrrolidines. <i>Synlett</i> , 2012, 23, 549-556.	1.0	14
56	An efficient and novel stereoselective protocol for the construction of syn-facially bridged norbornane frameworks. <i>Tetrahedron Letters</i> , 2002, 43, 5981-5984.	0.7	13
57	Construction of Functionalized Carbocycles Having Contiguous Tertiary Carbinol and All-Carbon Stereogenic Centers. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2362-2380.	1.2	13
58	Recent developments on the synthesis of functionalized carbohydrate/sugar derivatives involving the transition metal-catalyzed C-H activation/C-H functionalization. <i>Studies in Natural Products Chemistry</i> , 2021, , 311-399.	0.8	13
59	Stereoselective synthesis of vicinal diols by the stannous chloride-mediated reaction of unprotected hydroxyallylic stannane with carbonyl compounds. <i>Tetrahedron</i> , 2009, 65, 9569-9574.	1.0	12
60	Multicomponent reaction comprising one-pot installation of bidentate directing group and Pd(II)-catalyzed direct \hat{I}^2 -arylation of C(sp ³) H bond of aliphatic and alicyclic carboxamides. <i>Tetrahedron</i> , 2016, 72, 5853-5863.	1.0	12
61	Pd-Catalyzed Diastereoselective Intramolecular Amide \hat{I}^\pm -C-H Arylation in Sterically Hindered Monospirooxindole Motifs. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2075-2093.	2.1	12
62	Construction of Racemic and Enantiopure Biaryl Unnatural Amino Acid Derivatives via Pd(II)-Catalyzed Arylation of Unactivated C(sp ³) H Bonds. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3641-3656.	1.2	12
63	Construction of carbazole-based unnatural amino acid scaffolds via Pd(II)-catalyzed C(sp ³) H functionalization. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4391-4414.	1.5	11
64	Direct lactonization of \hat{I}^\pm -amino \hat{I}^\pm -unsaturated carboxylic acid esters via olefin activation: stereo- and regioselective production of homoserine lactone scaffolds having contiguous stereocenters. <i>Tetrahedron</i> , 2014, 70, 6402-6419.	1.0	10
65	RCM strategy-based entry into new crown ether/polyether macrocyclic systems derived from hydroxy benzaldehydes. <i>Tetrahedron Letters</i> , 2013, 54, 2255-2260.	0.7	9
66	Ring-closing metathesis reaction-based synthesis of new classes of polyether macrocyclic systems. <i>Tetrahedron</i> , 2015, 71, 7758-7781.	1.0	9
67	The Barbier-Type Allylation/Lactamization Cascade Route to Isoindolinones and the Heck-Type Annulation Route to Isoindolo[2,1-a]quinolines. <i>ChemistrySelect</i> , 2016, 1, 2952-2959.	0.7	9
68	EDC/DMAP-mediated direct condensation of dicarboxylic acids and diols: A concise synthesis of extra large polyether macrocyclic lactones and their X-ray structures. <i>Tetrahedron Letters</i> , 2016, 57, 5801-5807.	0.7	9
69	One-pot, solvent-free Pd(II)-catalyzed direct \hat{I}^2 -C-H arylation of carboxamides involving anhydrides as substrates via in situ installation of directing group. <i>Tetrahedron</i> , 2019, 75, 1246-1257.	1.0	9
70	Pd(II)-Catalyzed Directing-Group-Aided C-H Arylation and Alkylation of Pyrene Core: Synthesis of C1,C2- and C1,C10-Disubstituted Pyrene Motifs. <i>Synthesis</i> , 2021, 53, 3307-3324.	1.2	9
71	Pd(II)-Catalyzed, Picolinamide-Aided \hat{I}^3 -(sp ²)-C-H Functionalization of Racemic and Enantiopure \hat{I}^\pm -Methylbenzylamine and Phenylglycinol Scaffolds. <i>Synthesis</i> , 2022, 54, 4059-4094.	1.2	9
72	Expanding the Utility of Inexpensive Pyridine-N-oxide Directing Group for the Site-selective sp ² /sp ³ /sp ³ -C-H and sp ² /sp ³ -C-H Functionalization of Carboxamides. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	9

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73	Amberlyst-15 mediated decomposition of $\hat{1}\pm$ -diazo carbonyl compounds. Tetrahedron Letters, 2001, 42, 5113-5116.	0.7	8
74	Regio- and Diastereoselective Cycloaddition of Azomethine Ylides with Benzylidenemalononitrile: Assembly of a New Set of Multisubstituted 4,4-Dicyanopyrrolidine-2-carboxylate and Nornicotine Scaffolds. Synlett, 2014, 25, 2629-2635.	1.0	8
75	Indium-assisted aluminium-based stereoselective allylation of prostereogenic $\hat{1}\pm$ -disubstituted cycloalkanones and imines. RSC Advances, 2014, 4, 40199-40213.	1.7	8
76	Pd(II)-catalyzed, Picolinamide-mediated $\hat{1}\pm$ -C ^H Functionalization of Phenylglycinol: Access to $\hat{1}\pm$ -Arylated, Alkylated and Halogenated Phenylglycinol Scaffolds. Asian Journal of Organic Chemistry, 2021, 10, 180-185.	1.3	8
77	Indium-Employed One-Pot Sequential Double Nucleophilic Attack on a Symmetrical Dicarboxaldehyde. Synlett, 2004, 2004, 1223-1226.	1.0	7
78	Construction of Tertiary Amides: Ni-catalyzed $\hat{1}\pm$ -Arylation of Secondary Acyclic Amides (2 $\hat{1}\pm$ -Picolinamides) with Aryl Halides. Asian Journal of Organic Chemistry, 2017, 6, 269-273.	1.3	7
79	Exploitation of Intramolecular Glaser-Eglinton-Hay Macrocyclization for the Synthesis of New Classes of Optically Active Aza-Oxo-Thia Polyether Macrocycles from Amino Alcohol Building Blocks. Synlett, 2017, 28, 253-259.	1.0	7
80	Direct Lactamization of $\hat{1}\pm$ -Arylated $\hat{1}\pm$ -Aminopentanoic Acid Carboxamides: En Route to 4 $\hat{1}\pm$ -Piperidones, Piperidines, Antituberculosis Molecule Q203 (Telacebec) and its Analogues. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	6
81	A SIMPLE AND EFFICIENT REGIOSELECTIVE SYNTHESIS OF VARIOUS BICYCLO[n.m.0]ALKANEDIONES. Synthetic Communications, 2001, 31, 1205-1211.	1.1	5
82	An entry into new classes of optically active aza-oxo polyether macrocycles via the ring closing metathesis-based macrocyclization. Tetrahedron Letters, 2016, 57, 5690-5694.	0.7	5
83	Direct azidation of allylic/benzylic alcohols and ethers followed by the click reaction: one-pot synthesis of 1,2,3-triazoles and 1,2,3-triazole moiety embedded macrocycles. Tetrahedron, 2015, 71, 7026-7045.	1.0	4
84	Zinc-Mediated Allylation Followed by Lactonization of Dialkyl 2-(3-Oxo-1,3-diarylpropyl)malonates: Construction of $\hat{1}\pm$ -Lactones with Multiple Stereocenters. Synlett, 2015, 26, 2121-2126.	1.0	4
85	Conversion of 2,3-Dihydrobenzo[b][1,4]dioxine-2-carboxamides to 3-Oxoquinolin-2(1H)-ones via Ring-Opening and Formal 6 $\hat{1}\pm$ -endo $\hat{1}\pm$ -trig Cyclization-Involved Heck Reactions. Asian Journal of Organic Chemistry, 2020, 9, 829-839.	1.3	3
86	Synthesis of $\hat{1}\pm$ -cyanoalanine and enantiomerically enriched aspartate derivatives via the Zn- or In-mediated nucleophilic addition to $\hat{1}\pm$ -imino esters. Tetrahedron, 2020, 76, 131217.	1.0	3
87	Synthesis of 1-Naphthol-based Unsymmetrical Triarylmethanes: Heck-type Desulfitative Reaction of Arylsulfonyl Chlorides with Tetralone-derived Chalcones. Asian Journal of Organic Chemistry, 2021, 10, 576-581.	1.3	2
88	Structure-Property Correlation of C10 $\hat{1}\pm$ -Arylated $\hat{1}\pm$ -picolinamide Regioisomers towards Cu ²⁺ and Fe ³⁺ Sensing. ChemistrySelect, 2021, 6, 12022-12031.	0.7	2
89	Indium Triflate: A Mild Lewis Acid Catalyst for Thioacetalization and Transthioacetalization.. ChemInform, 2003, 34, no.	0.1	0
90	1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU): A Powerful Catalyst for the Michael Addition Reaction of $\hat{1}\pm$ -Ketoesters to Acrylates and Enones.. ChemInform, 2003, 34, no.	0.1	0

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91	Indium-Employed One-Pot Sequential Double Nucleophilic Attack on a Symmetrical Dicarboxaldehyde.. ChemInform, 2004, 35, no.	0.1	0