Pazhamalai Anbarasan

List of Publications by Year
in descending order

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77 papers	5,262 citations	126907 33 h-index	85541 71 g-index
113 all docs	113 docs citations	113 times ranked	5146 citing authors

#	Article	IF	Citations
1	Cobalt-catalyzed multisubstituted allylation of the chelation-assisted Câ€“H bond of (hetero)arenes with cyclopropenes. Chemical Science, 2021, 12, 13442-13449.	7.4	13
2	Cp*Co(<scp>iii</scp>)-catalyzed C2-thiolation and C2,C3-dithiolation of substituted indoles with N-(arylthio)succinimide. Chemical Communications, 2021, 57, 10544-10547.	4.1	18
3	Palladium-catalyzed diastereoselective synthesis of 2,2,3-trisubstituted dihydrobenzofurans via intramolecular trapping of O-ylides with activated alkenes. Journal of Catalysis, 2021, 396, 291-296.	6.2	10
4	(Cyclopentadienone)iron Complexes: Synthesis, Mechanism and Applications in Organic Synthesis. Chemistry - an Asian Journal, 2021, 16, 1703-1724.	3.3	13
5	Catalytic Functionalization of Metallocarbenes Derived from Î±â€Diazocarbonyl Compounds and Their Precursors. Chemical Record, 2021, 21, 3872-3883.	5.8	12
6	Vicinal Trifluoromethylthioamination of Alkenes with Trifluoromethanesulfenamides. Asian Journal of Organic Chemistry, 2021, 10, 2562.	2.7	2
7	Rhodium-Catalyzed Annulation of N-Acetoxyacetanilide with Substituted Alkynes: Conversion of Nitroarenes to Substituted Indoles. Journal of Organic Chemistry, 2021, 86, 14812-14825.	3.2	4
8	Catalytic enantioselective oxysulfenylation of o-vinylanilides. Chemical Communications, 2021, 58, 282-285.	4.1	11
9	Diastereoselective Palladium Catalyzed Carbenylative Amination of orthoâ€Vinylanilines with 3â€Diazoindolinâ€2â€one. Advanced Synthesis and Catalysis, 2020, 362, 801-806.	4.3	21
10	Rhodium-catalyzed Sommeletâ€“Hauser type rearrangement of Î±-diazoimines: synthesis of functionalized enamides. Chemical Communications, 2020, 56, 5649-5652.	4.1	25
11	A General Prolineâ€Catalyzed Synthesis of 4,5â€Disubstituted Nâ€Sulfonylâ€1,2,3â€Triazoles from 1,3â€Dicarbonyl Compounds and Sulfonyl Azide. Chemistry - an Asian Journal, 2019, 14, 4563-4567.	3.3	12
12	One-Pot Transannulation of N-Sulfonyl-1,2,3-triazoles to Dihydro-Î²-carbolines and Dihydroisoquinolines via Rhodium-Catalyzed Câ€“H Insertion-cum-Base-Mediated Aza-Michael Reaction. Journal of Organic Chemistry, 2019, 84, 7747-7761.	3.2	16
13	Metal-Free Directed Diastereoselective C2,C3-Cyclopropanation of Substituted Indoles with Diazoesters. Organic Letters, 2019, 21, 3431-3435.	4.6	21
14	Cascade Rh(<scp>ii</scp>) and Yb(<scp>iii</scp>) catalyzed synthesis of substituted naphthofurans via transannulation of N-sulfonyl-1,2,3-triazoles with Î²-naphthols. Chemical Communications, 2019, 55, 4507-4510.	4.1	25
15	Trifluoromethylthiolative 1,2-difunctionalization of alkenes with diselenides and AgSCF₃. Chemical Communications, 2019, 55, 4639-4642.	4.1	28
16	Tandem Rh(II) and Chiral Squaramide Relay Catalysis: Enantioselective Synthesis of Dihydro-Î²-carbolines via Insertion to Câ€“H Bond and Aza-Michael Reaction. Organic Letters, 2019, 21, 3067-3071.	4.6	26
17	Rhodium-catalyzed synthesis of C4-chalcogenoalkylated oxindoles via Sommelet-Hauser type rearrangement of 3-diazoindolin-2-ones. Journal of Chemical Sciences, 2019, 131, 1.	1.5	4
18	Rhodium-Catalyzed Rearrangement of S/Se-Ylides for the Synthesis of Substituted Vinylogous Carbonates. Organic Letters, 2019, 21, 9965-9969.	4.6	19

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19	Developments in Cp*Co^{III}â€Catalyzed Câ^'H Bond Functionalizations. Asian Journal of Organic Chemistry, 2019, 8, 430-455.	2.7	45
20	Acid-Mediated Oxychalcogenation of o-Vinylanilides with N-(Arylthio/arylseleno)succinimides. Organic Letters, 2018, 20, 1183-1186.	4.6	42
21	Copper catalyzed oxidative coupling of ortho-vinylanilines with N-tosylhydrazones: Efficient synthesis of polysubstituted quinoline derivatives. Journal of Catalysis, 2018, 363, 102-108.	6.2	16
22	Divergent Functionalization of Nâ€Alkylâ€2â€alkenylanilines: Efficient Synthesis of Substituted Indoles and Quinolines. Chemistry - an Asian Journal, 2018, 13, 2499-2504.	3.3	11
23	Palladiumâ€Catalyzed Trifluoromethylthiolation of Chelationâ€Assisted Câ€“H Bonds. European Journal of Organic Chemistry, 2018, 2018, 3276-3279.	2.4	15
24	Ligandâ€based Modeling for the Prediction of Pharmacophore Features for Multiâ€targeted Inhibition of the Arachidonic Acid Cascade. Molecular Informatics, 2018, 37, 1700073.	2.5	3
25	Cp*Co(iii)-catalysed selective alkylation of Câ€“H bonds of arenes and heteroarenes with Î±-diazocarbonyl compounds. Organic and Biomolecular Chemistry, 2018, 16, 7346-7350.	2.8	30
26	Recent developments and applications of cyanamides in electrophilic cyanation. Organic and Biomolecular Chemistry, 2018, 16, 7084-7103.	2.8	37
27	Lewis Acid/BrÃ¸nsted Acid Controlled Pd(II)-Catalyzed Chemodivergent Functionalization of C(sp²)â€“H Bonds with N-(Arylthio)i(a)mides. Organic Letters, 2018, 20, 3362-3366.	4.6	39
28	An Electrophilic Trifluoromethylthiolation of Silylenol Ethers and Î²â€Naphthols with Diethylaminosulfur Trifluoride and (Trifluoromethyl)trimethylsilane. Advanced Synthesis and Catalysis, 2018, 360, 2894-2899.	4.3	17
29	Rhodium Catalyzed Synthesis of Benzopyrans via Transannulation of N-Sulfonyl-1,2,3-triazoles with 2-Hydroxybenzyl Alcohols. Organic Letters, 2018, 20, 3762-3765.	4.6	60
30	Cobalt(III)â€Catalyzed Allylation of Arene Câ€“H Bonds. European Journal of Organic Chemistry, 2017, 2017, 3965-3968.	2.4	30
31	Stereoselective Palladium-Catalyzed Synthesis of Indolines via Intramolecular Trapping of N-Ylides with Alkenes. ACS Catalysis, 2017, 7, 6283-6288.	11.2	31
32	One-Pot Trifluoromethylative Functionalization of Amides: Synthesis of Trifluoromethylated Bis(indolyl)arylmethanes and Triarylmethanes. Journal of Organic Chemistry, 2017, 82, 12328-12336.	3.2	13
33	Rhodium catalyzed diastereoselective synthesis of 2,2,3,3-tetrasubstituted indolines from N-sulfonyl-1,2,3-triazoles and ortho-vinylanilines. Chemical Science, 2016, 7, 5934-5938.	7.4	75
34	Cobalt(III)â€Catalyzed Intramolecular Crossâ€Dehydrogenative Câ^'H/Xâ^'H Coupling: Efficient Synthesis of Indoles and Benzofurans. Chemistry - A European Journal, 2016, 22, 16042-16046.	3.3	75
35	Copper-catalysed synthesis of trifluoromethyl(hetero)arenes from di(hetero)aryl-Î»³-iodanes. RSC Advances, 2016, 6, 18525-18529.	3.6	12
36	Palladium Catalyzed Aerobic Oxidative Cyclization of ortho-Vinylanilines with Isocyanides. Proceedings of the Indian National Science Academy, 2016, 82, .	1.4	0

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37	Copperâ€Catalyzed Trifluoromethylthiolation of Di(hetero)arylâ€Î»³â€Iodanes: Mechanistic Insight and Application to Synthesis of (Hetero)Aryl Trifluoromethyl Sulfides. Advanced Synthesis and Catalysis, 2015, 357, 3521-3528.	4.3	31
38	Oneâ€Pot Aminoethylation of Indoles/Pyrroles with Alkynes and Sulfonyl Azides. Chemistry - A European Journal, 2015, 21, 17079-17084.	3.3	34
39	Production of an acetone-butanol-ethanol mixture from Clostridium acetobutylicum and its conversion to high-value biofuels. Nature Protocols, 2015, 10, 528-537.	12.0	77
40	Rhodium Catalyzed Arylation of Diazo Compounds with Aryl Boronic Acids. Journal of Organic Chemistry, 2015, 80, 3455-3461.	3.2	39
41	Rhodium Catalyzed C2-Selective Cyanation of Indoles and Pyrroles. Journal of Organic Chemistry, 2015, 80, 3695-3700.	3.2	66
42	Rhodium-Catalyzed Cyanation of C(sp²)â€“H Bond of Alkenes. Organic Letters, 2015, 17, 3766-3769.	4.6	63
43	An iodine(<scp>iii</scp>) mediated oxidative rearrangement of enamines: efficient synthesis of Î±-amino ketones. Chemical Communications, 2015, 51, 14203-14206.	4.1	21
44	Tandem 1,2-sulfur migration and (aza)-Dielsâ€“Alder reaction of Î²-thio-Î±-diazoimines: rhodium catalyzed synthesis of (fused)-polyhydropyridines, and cyclohexenes. Chemical Science, 2015, 6, 5847-5852.	7.4	68
45	Recent Advances in Transition-Metal-Catalyzed Denitrogenative TransformationsÂ of 1,2,3-Triazoles and Related Compounds. Synthesis, 2014, 46, 3004-3023.	2.3	216
46	Rhodium-Catalyzed Transannulation of 1,2,3-Triazoles to Polysubstituted Pyrroles. Journal of Organic Chemistry, 2014, 79, 8428-8434.	3.2	62
47	Palladium Catalyzed Aryl(alkyl)thiolation of Unactivated Arenes. Organic Letters, 2014, 16, 848-851.	4.6	168
48	Rhodium Catalyzed Direct Arylation of Î±-Diazoimines. Organic Letters, 2014, 16, 2510-2513.	4.6	117
49	One-Pot Cascade Trifluoromethylation/Cyclization of Imides: Synthesis of Î±-Trifluoromethylated Amine Derivatives. Journal of Organic Chemistry, 2014, 79, 4154-4160.	3.2	26
50	Rhodium Catalyzed Cyanation of Chelation Assisted Câ€“H Bonds. Organic Letters, 2013, 15, 4960-4963.	4.6	128
51	Rhodiumâ€Catalyzed Denitrogenative [2,3]â€...Sigmatropic Rearrangement: An Efficient Entry to Sulfurâ€Containing Quaternary Centers. Chemistry - A European Journal, 2013, 19, 15115-15119.	3.3	85
52	Integration of chemical catalysis with extractive fermentation to produce fuels. Nature, 2012, 491, 235-239.	27.8	327
53	Well-Defined Iron Catalyst for Improved Hydrogenation of Carbon Dioxide and Bicarbonate. Journal of the American Chemical Society, 2012, 134, 20701-20704.	13.7	345
54	Novel Câ€“H functionalization of arenes: palladium-catalyzed synthesis of diaryl sulfides. Chemical Communications, 2011, 47, 3233.	4.1	72

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55	Recent developments and perspectives in palladium-catalyzed cyanation of aryl halides: synthesis of benzonitriles. Chemical Society Reviews, 2011, 40, 5049.	38.1	597
56	A General Rhodiumâ€Catalyzed Cyanation of Aryl and Alkenyl Boronic Acids. Angewandte Chemie - International Edition, 2011, 50, 519-522.	13.8	206
57	A Novel and Convenient Synthesis of Benzonitriles: Electrophilic Cyanation of Aryl and Heteroaryl Bromides. Chemistry - A European Journal, 2011, 17, 4217-4222.	3.3	119
58	A General Cyclocarbonylation of Aryl Bromides and Triflates with Acetylenes: Palladiumâ€Catalyzed Synthesis of 3â€Alkylidenefuranâ€2â€ones. Chemistry - A European Journal, 2011, 17, 8014-8017.	3.3	43
59	A New and Practical Grignardâ€Couplingâ€“Fluorination Sequence: Synthesis of 2â€Aryl Fluoroarenes. Chemistry - an Asian Journal, 2010, 5, 1775-1778.	3.3	25
60	A Convenient Synthesis of Benzonitriles via Electrophilic Cyanation with Nâ€Cyanobenzimidazole. Chemistry - A European Journal, 2010, 16, 4725-4728.	3.3	97
61	Efficient Synthesis of Aryl Fluorides. Angewandte Chemie - International Edition, 2010, 49, 2219-2222.	13.8	110
62	Palladiumâ€Catalyzed Carbonylative Cï£¿H Activation of Heteroarenes. Angewandte Chemie - International Edition, 2010, 49, 7316-7319.	13.8	165
63	From Noble Metal to Nobel Prize: Palladiumâ€Catalyzed Coupling Reactions as Key Methods in Organic Synthesis. Angewandte Chemie - International Edition, 2010, 49, 9047-9050.	13.8	515
64	A General and Efficient Catalyst for Palladium-Catalyzed Câ€“O Coupling Reactions of Aryl Halides with Primary Alcohols. Journal of the American Chemical Society, 2010, 132, 11592-11598.	13.7	209
65	Enantiodivergent Synthesis of Both Enantiomers of Gypsy Moth Pheromone Disparlure. Journal of Organic Chemistry, 2007, 72, 3155-3157.	3.2	25
66	Stereoselective formal synthesis of (â€²)-centrolobine. Tetrahedron, 2007, 63, 1089-1092.	1.9	40
67	Enantioselective synthesis of Î±-benzyloxy-Ï‰-alkenals: application to the synthesis of (+)-exo-brevicomin, (+)-iso-exo-brevicomin, and (â€²)-isolaurepan. Tetrahedron: Asymmetry, 2007, 18, 1419-1427.	1.8	19
68	Stereoselective synthesis of (â€²)-6-acetoxyhexadecanolide: a mosquito oviposition attractant pheromone. Tetrahedron: Asymmetry, 2007, 18, 2479-2483.	1.8	20
69	Stereoselective synthesis of (â€²)-microcarpalide. Tetrahedron Letters, 2007, 48, 309-311.	1.4	11
70	Enantiodivergent synthesis of both antipodes of hydroxy-exo-brevicomin from l-(+)-tartaric acid. Tetrahedron, 2006, 62, 8303-8308.	1.9	12
71	Enantiospecific synthesis of (â€²)-2-hydroxy-exo-brevicomin. Tetrahedron: Asymmetry, 2006, 17, 850-853.	1.8	18
72	Asymmetric synthesis of both enantiomers of Î±-methyl-Î±-methoxyphenylacetic acid from l-(+)-tartaric acid: formal enantioselective synthesis of insect pheromone (â€²)-frontalin. Tetrahedron: Asymmetry, 2006, 17, 1979-1984.	1.8	9

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73	Enantiospecific synthesis of (â^')-muricatacin from l-(+)-tartaric acid. Tetrahedron: Asymmetry, 2006, 17, 2465-2467.	1.8	18
74	An enantiospecific synthesis of (+)-hydroxy-exo-brevicomin. Tetrahedron Letters, 2006, 47, 1433-1435.	1.4	16
75	Stereoselective synthesis of (+)-boronolide and (â^')-5-epi-boronolide. Tetrahedron: Asymmetry, 2006, 17, 1146-1151.	1.8	24
76	An Expeditious Enantiospecific Synthesis of (+)-2-Hydroxy-exo-brevicomin. Synlett, 2006, 2006, 2087-2088.	1.8	13
77	Asymmetric synthesis of unsaturated Î±-benzyloxyaldehydes: an enantioselective synthesis of (+)-exo-brevicomin. Tetrahedron: Asymmetry, 2005, 16, 3951-3953.	1.8	24