

# Kanniyappan Parthasarathy

## List of Publications by Year in descending order

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36  
papers

3,792  
citations

136740

32  
h-index

276539

41  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhodium-Catalyzed One-Pot Synthesis of Substituted Pyridine Derivatives from $\beta,\beta$ -Unsaturated Ketoximes and Alkynes. <i>Organic Letters</i> , 2008, 10, 325-328.	2.4	303
2	Regioselective Synthesis of Indenols by Rhodium-Catalyzed $C\text{-}H$ Activation and Carbocyclization of Aryl Ketones and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4169-4172.	7.2	273
3	One-Pot Synthesis of Isoquinolinium Salts by Rhodium-Catalyzed $C\text{-}H$ Bond Activation: Application to the Total Synthesis of Oxchelerythrine. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 197-200.	7.2	257
4	Synthesis of Phenanthrone Derivatives from $\beta$ -Alkyl Aryl Ketones and Aryl Halides via a Palladium-Catalyzed Dual $C\text{-}H$ Bond Activation and Enolate Cyclization. <i>Journal of the American Chemical Society</i> , 2010, 132, 8569-8571.	6.6	208
5	Rhodium-Catalyzed Oxidative Annulation of Sulfoximines and Alkynes as an Approach to 1,2-Benzothiazines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11573-11576.	7.2	199
6	Synthesis of Fluorenones from Aromatic Aldoxime Ethers and Aryl Halides by Palladium-Catalyzed Dual $C\text{-}H$ Activation and Heck Cyclization. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9462-9465.	7.2	183
7	Easy Access to Isoquinolines and Tetrahydroquinolines from Ketoximes and Alkynes via Rhodium-Catalyzed $C\text{-}H$ Bond Activation. <i>Journal of Organic Chemistry</i> , 2009, 74, 9359-9364.	1.7	170
8	One-Pot Synthesis of Highly Substituted Polyheteroaromatic Compounds by Rhodium(III)-Catalyzed Multiple $C\text{-}H$ Activation and Annulation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9889-9892.	7.2	146
9	Ru(II)-Catalyzed $C\text{-}H$ Bond Activation for the Synthesis of Substituted Isoquinolinium Salts from Benzaldehydes, Amines, and Alkynes. <i>Organic Letters</i> , 2012, 14, 3478-3481.	2.4	133
10	Ru(II)-Catalyzed Amidation of 2-Arylpyridines with Isocyanates via $C\text{-}H$ Activation. <i>Organic Letters</i> , 2012, 14, 4262-4265.	2.4	127
11	Direct Synthesis of Arylketones by Nickel-Catalyzed Addition of Arylboronic Acids to Nitriles. <i>Organic Letters</i> , 2010, 12, 1736-1739.	2.4	107
12	Hydroarylations of Heterobicyclic Alkenes through Rhodium-Catalyzed Directed $C\text{-}H$ Functionalizations of $\beta$ -Aryl Sulfoximines. <i>Chemistry - A European Journal</i> , 2014, 20, 15732-15736.	1.7	102
13	Iron-Catalyzed Hetero-Cross-Dehydrogenative Coupling Reactions of Sulfoximines with Diarylmethanes: A New Route to $\beta$ -Alkylated Sulfoximines. <i>Organic Letters</i> , 2014, 16, 2000-2002.	2.4	102
14	Rhodium(III)-Catalyzed Selective $\beta$ -Olefinations of $\beta$ -Acyl and $\beta$ -Aroyl Sulfoximines by $C\text{-}H$ Bond Activation. <i>Chemistry - A European Journal</i> , 2014, 20, 4896-4900.	1.7	100
15	Synthesis of Highly Substituted Isoquinolone Derivatives by Nickel-Catalyzed Annulation of 2-Halobenzamides with Alkynes. <i>Organic Letters</i> , 2010, 12, 3518-3521.	2.4	94
16	Rh <sup>III</sup> -Catalyzed $C\text{-}H$ Activation: A Versatile Route towards Various Polycyclic Pyridinium Salts. <i>Chemistry - A European Journal</i> , 2013, 19, 14181-14186.	1.7	89
17	One-Pot Synthesis of Diarylmethylidenefluorenes and Phenanthrenes by Palladium-Catalyzed Multiple $C\text{-}H$ Bond Functionalization. <i>Chemistry - A European Journal</i> , 2010, 16, 1436-1440.	1.7	68
18	Copper-Catalyzed Intramolecular Oxidative $C\text{-}H$ Functionalization and $C\text{-}N$ Formation of 2-Aminobenzophenones: Unusual Pseudo- $1,2$ -Shift of the Substituent on the Aryl Ring. <i>Chemistry - A European Journal</i> , 2013, 19, 460-464.	1.7	68

#	ARTICLE	IF	CITATIONS
19	Synthesis of Phenanthridinones from <i>N</i> -Methoxybenzamides and Aryltriethoxysilanes through Rh <sup>III</sup> -Catalyzed C-H and N-H Bond Activation. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2175-2181.	1.7	68
20	Synthesis of biarylketones and phthalides from organoboronic acids and aldehydes catalyzed by cobalt complexes. <i>Chemical Communications</i> , 2011, 47, 10461.	2.2	59
21	Directed Additions of 2-Arylpyridines and Related Substrates to Cyclic Imines through Rhodium-Catalyzed C-H Functionalization. <i>Organic Letters</i> , 2014, 16, 2538-2541.	2.4	50
22	Rhodium(III)-Catalyzed <i>Ortho</i> Halogenations of <i>N</i> -Acylsulfoximines and Synthetic Applications toward Functionalized Sulfoximine Derivatives. <i>Organic Letters</i> , 2017, 19, 726-729.	2.4	47
23	Cobalt-Catalyzed Regioselective Synthesis of Pyrrolidinone Derivatives by Reductive Coupling of Nitriles and Acrylamides. <i>Journal of the American Chemical Society</i> , 2009, 131, 18252-18253.	6.6	45
24	Synthesis of isochromenones and oxepines via Pd-catalyzed cascade cyclization of alkynes and benzyne involving C-H activation. <i>Chemical Communications</i> , 2012, 48, 6580.	2.2	41
25	Palladium-Catalyzed Multistep Reactions Involving Ring Closure of 2-Iodophenoxyallenes and Ring Opening of Bicyclic Alkenes. <i>Organic Letters</i> , 2006, 8, 621-623.	2.4	37
26	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, 3610-3613.	2.4	35
27	Iron-Catalyzed Synthesis of $\beta$ -Chlorovinyl and $\beta$ -Alkynyl Ketones from Terminal and Silylated Alkynes with Acid Chlorides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 457-468.	2.1	34
28	Nickel-Catalyzed Cyclization of <i>ortho</i> -Iodoketoximes and <i>ortho</i> -Iodoketimines with Alkynes: Synthesis of Highly Substituted Isoquinolines and Isoquinolinium Salts. <i>Chemistry - an Asian Journal</i> , 2012, 7, 306-313.	1.7	33
29	Rhodium(III)-Catalyzed Annulation of <i>N</i> -Methoxybenzamides with Heterobicyclic Alkenes by C-H Functionalization: Synthesis of Benzo[ <i>b</i> ]phenanthridinones. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1203-1206.	1.2	31
30	Nickel-Catalyzed Cyclization Strategy for the Synthesis of Pyrroloquinolines, Indoloquinolines, and Indoloisoquinolines. <i>Organic Letters</i> , 2020, 22, 3810-3814.	2.4	31
31	Cobalt(III)-Catalyzed Synthesis of Fused Quinazolinones by C-H/N-H Annulation of 2-Arylquinazolinones with Alkynes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 866-869.	1.2	24
32	Catalyst-free 1,6-conjugate addition of indoles and 4-hydroxycoumarins to <i>para</i> -quinone methides: synthesis of unsymmetrical triarylmethanes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7837-7841.	1.5	19
33	Synthesis of Fused Spiropyrrolidine Oxindoles Through 1,3-Dipolar Cycloaddition of Azomethine Ylides Prepared from Isatins and $\beta$ -Amino Acids with Heterobicyclic Alkenes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2725-2729.	1.2	13
34	Rh(III)-Catalyzed Oxidative C=C Coupling of <i>N</i> -Pyridinylindoles with Benzo[ <i>b</i> ]thiophene 1,1-Dioxides via C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2021, 86, 7987-7999.	1.7	13
35	Rhodium-Catalyzed Gram-Scale Synthesis of Highly Substituted Pyridine Derivatives. <i>Synthesis</i> , 2009, 2009, 1400-1402.	1.2	11
36	Nickel-catalyzed [2 + 2 + 2] benzannulation of alkynes: a new route to the synthesis of highly substituted naphthalenes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4309-4313.	1.5	4