

Basker Sundararaju

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

3,596

citations

33

h-index

59

g-index

82

ext. papers

4,128

ext. citations

7.9

avg, IF

6.09

L-index

#	Paper	IF	Citations
62	Transition metal catalyzed nucleophilic allylic substitution: activation of allylic alcohols via π -allylic species. <i>Chemical Society Reviews</i> , 2012 , 41, 4467-83	58.5	347
61	A functional-group-tolerant catalytic trans hydrogenation of alkynes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 355-60	16.4	173
60	Cobalt(III)-Catalyzed Dehydrative [4+2] Annulation of Oxime with Alkyne by C-H and N-OH Activation. <i>Chemistry - A European Journal</i> , 2015 , 21, 15529-33	4.8	170
59	Light-driven hydrogen generation: efficient iron-based water reduction catalysts. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9962-5	16.4	169
58	A trans-selective hydroboration of internal alkynes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 14050-4	16.4	142
57	sp^3 C-H bond activation with ruthenium(II) catalysts and C(3)-alkylation of cyclic amines. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10340-3	16.4	136
56	$Cp^*Co(III)$ -Catalyzed C(sp^3) π Bond Activation: A Highly Stereoselective and Regioselective Alkenylation of 8-Methylquinoline with Alkynes. <i>ACS Catalysis</i> , 2016 , 6, 2792-2796	13.1	135
55	Cobalt Catalyzed C-H and N-H Bond Annulation of Sulfonamide with Terminal and Internal Alkynes. <i>Organic Letters</i> , 2015 , 17, 6118-21	6.2	121
54	Cobalt(III) catalyzed C-8 selective C-H and C-O coupling of quinoline N-oxide with internal alkynes via C-H activation and oxygen atom transfer. <i>Chemical Communications</i> , 2016 , 52, 1338-41	5.8	120
53	$Cp^*Co(III)$ -Catalyzed C(sp^3)-H Bond Amidation of 8-Methylquinoline. <i>Chemistry - A European Journal</i> , 2016 , 22, 9135-8	4.8	116
52	C-8-Selective Allylation of Quinoline: A Case Study of π -Hydride vs π -Hydroxy Elimination. <i>Organic Letters</i> , 2016 , 18, 4198-201	6.2	111
51	Ruthenium(IV) complexes featuring P,O-chelating ligands: regioselective substitution directly from allylic alcohols. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2782-5	16.4	101
50	Cobalt catalyzed carbonylation of unactivated C(sp)-H bonds. <i>Chemical Science</i> , 2017 , 8, 2431-2435	9.4	97
49	A general palladium-catalyzed carbonylative sonogashira coupling of aryl triflates. <i>Chemistry - A European Journal</i> , 2011 , 17, 106-10	4.8	93
48	$Cp^*Co(III)$ -Catalyzed Annulation of Carboxylic Acids with Alkynes. <i>Organic Letters</i> , 2017 , 19, 2544-2547	6.2	90
47	Room-Temperature $C\pi$ Bond Functionalization by Merging Cobalt and Photoredox Catalysis. <i>ACS Catalysis</i> , 2018 , 8, 8115-8120	13.1	89
46	Ruthenium-Catalyzed Cascade N- and C(3)-Dialkylation of Cyclic Amines with Alcohols Involving Hydrogen Autotransfer Processes. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 3141-3146	5.6	88

45	Iron-Catalyzed Allylic Amination Directly from Allylic Alcohols. <i>Chemistry - A European Journal</i> , 2016 , 22, 3952-5	4.8	84
44	Iron-Catalyzed Sustainable Synthesis of Pyrrole. <i>Organic Letters</i> , 2017 , 19, 6-9	6.2	75
43	A Functional-Group-Tolerant Catalytic trans Hydrogenation of Alkynes. <i>Angewandte Chemie</i> , 2013 , 125, 373-378	3.6	74
42	Dehydrative Cp*Co(III)-Catalyzed C-H Bond Allenylation. <i>Organic Letters</i> , 2017 , 19, 3699-3702	6.2	70
41	Cp*Co(III)-Catalyzed C-H Alkylation with Maleimides Using Weakly Coordinating Carbonyl Directing Groups. <i>Organic Letters</i> , 2018 , 20, 2835-2838	6.2	65
40	A trans-Selective Hydroboration of Internal Alkynes. <i>Angewandte Chemie</i> , 2013 , 125, 14300-14304	3.6	61
39	Cp*Co -Catalyzed Bis-isoquinolone Synthesis by C-H Annulation of Arylamide with 1,3-Diyne. <i>Chemistry - A European Journal</i> , 2017 , 23, 17454-17457	4.8	57
38	Carboxylate Assisted Ni-Catalyzed C-H Bond Allylation of Benzamides. <i>Chemistry - A European Journal</i> , 2015 , 21, 9364-8	4.8	48
37	Ruthenium-catalyzed reductive amination of allylic alcohols. <i>Organic Letters</i> , 2011 , 13, 3964-7	6.2	48
36	Isolation of Cp*Co -Alkenyl Intermediate in Efficient Cobalt-Catalyzed C-H Alkenylation with Alkynes. <i>Chemistry - A European Journal</i> , 2018 , 24, 342-346	4.8	47
35	Ruthenium(IV) Complexes Featuring P,O-Chelating Ligands: Regioselective Substitution Directly from Allylic Alcohols. <i>Angewandte Chemie</i> , 2010 , 122, 2842-2845	3.6	43
34	Co -Catalyzed Isonitrile Insertion/Acyl Group Migration Between C-H and N-H bonds of Arylamides. <i>Chemistry - A European Journal</i> , 2018 , 24, 2360-2364	4.8	39
33	A general cyclocarbonylation of aryl bromides and triflates with acetylenes: palladium-catalyzed synthesis of 3-alkylidenefuran-2-ones. <i>Chemistry - A European Journal</i> , 2011 , 17, 8014-7	4.8	39
32	Recent advances in C(sp ³) H bond carbonylation by first row transition metals. <i>Tetrahedron Letters</i> , 2018 , 59, 862-868	2	38
31	Selective carbon-carbon bond formation: terpenylations of amines involving hydrogen transfers. <i>Green Chemistry</i> , 2013 , 15, 775	10	38
30	C-H and N-H bond annulation of aryl amides with unactivated olefins by merging cobalt(III) and photoredox catalysis. <i>Chemical Communications</i> , 2019 , 55, 11626-11629	5.8	33
29	Cp*Co(III)-catalyzed N-alkylation of amines with secondary alcohols. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 852-857	5.2	33
28	Isoquinoline derivatives via stepwise regioselective sp(2) and sp(3) C-H bond functionalizations. <i>Journal of Organic Chemistry</i> , 2012 , 77, 3674-8	4.2	33

27	Electrochemical-/Photoredox Aspects of Transition Metal-Catalyzed Directed C-H Bond Activation. <i>ChemCatChem</i> , 2019 , 11, 5160-5187	5.2	32
26	Linear Selective C-H Bond Alkylation with Activated Olefins Catalyzed by Cp*Co(III). <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4370-4374	3.2	32
25	Alkylation of Ketones with Secondary Alcohols Catalyzed by Well-Defined Cp*Co -Complexes. <i>ChemSusChem</i> , 2019 , 12, 3463-3467	8.3	29
24	C-H and N-H Bond Annulation of Benzamides with Isonitriles Catalyzed by Cobalt(III). <i>Synthesis</i> , 2017 , 49, 3937-3944	2.9	27
23	Asymmetric Induction by Chiral Borate Anions in Enantioselective Hydrogenation using a Racemic Rh-Binap Catalyst. <i>ChemCatChem</i> , 2010 , 2, 55-57	5.2	26
22	Site-selective C-H bond carbonylation with CO ₂ and cobalt-catalysis. <i>Catalysis Science and Technology</i> , 2018 , 8, 5963-5969	5.5	26
21	Cp*Co(III)-Catalyzed o-Amidation of Benzaldehydes with Dioxazolones Using Transient Directing Group Strategy. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 1195-1200	5.6	24
20	Efficient ruthenium-catalyzed synthesis of [3]dendralenes from 1,3-dienic allylic carbonates. <i>Chemical Communications</i> , 2009 , 6580-2	5.8	21
19	C-Alkylation of Various Carbonucleophiles with Secondary Alcohols under Co(III)-Catalysis. <i>ACS Catalysis</i> , 2020 , 10, 8023-8031	13.1	17
18	Cp*Co -Catalyzed Efficient Dehydrogenation of Secondary Alcohols. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2445-2448	4.5	14
17	Cobalt-Catalyzed Reductive Alkylation of Amines with Carboxylic Acids. <i>ChemSusChem</i> , 2019 , 12, 3089-3093	3.5	14
16	Efficient Transfer Hydrogenation of Ketones using Methanol as Liquid Organic Hydrogen Carrier. <i>ChemCatChem</i> , 2020 , 12, 3472-3476	5.2	13
15	Recent developments on methanol as liquid organic hydrogen carrier in transfer hydrogenation reactions. <i>Coordination Chemistry Reviews</i> , 2021 , 433, 213728	23.2	13
14	Nickel-catalyzed C-H bond Alkoxylation of Amides with Alcohols. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1368-1371	3	11
13	Weak-Coordination in C-H Bond Functionalizations Catalyzed by 3d Metals. <i>ACS Catalysis</i> , 2022 , 12, 3452-3506	3.5	11
12	Ruthenium-catalyzed selective N,N-diallylation- and N,N,O-triallylation of free amino acids. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3906-9	3.9	10
11	Preparation of Sugar Amino Acid Derivatives with Cyclic Structures by Ring-Closing Metathesis. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 6092-6096	3.2	9
10	Dendralenes Preparation via Ene-Cross-Metathesis from In Situ Generated 1,3-Enynes. <i>ChemCatChem</i> , 2011 , 3, 1876-1879	5.2	8

9	Well-defined Cp*Co(III)-catalyzed Hydrogenation of Carbonates and Polycarbonates. <i>ChemCatChem</i> , 2021 , 13, 934-939	5.2	8
8	Ring Closing and Macrocyclization of Dipeptides by Olefin Metathesis. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 6433-6442	3.2	5
7	Cp*Co-Catalyzed C(7)-H Bond Annulation of Indolines with Alkynes. <i>Journal of Organic Chemistry</i> , 2021 , 86, 9407-9417	4.2	5
6	Recent advances in transition metal-catalyzed asymmetric electrocatalysis. <i>Coordination Chemistry Reviews</i> , 2021 , 444, 214065	23.2	5
5	C-H bond functionalization by dual catalysis: merging of high-valent cobalt and photoredox catalysis. <i>Chemical Communications</i> , 2021 , 57, 13075-13083	5.8	4
4	New Borrowing Hydrogen Mechanism for Redox-Active Metals. <i>ACS Catalysis</i> , 2021 , 11, 11906-11920	13.1	4
3	Room-temperature C-H bond alkylation by merging cobalt and photocatalysts. <i>Chemical Communications</i> , 2021 , 57, 12167-12170	5.8	2
2	Synthesis of Overloaded Cyclopentadienyl Rhodium(III) Complexes via Cyclotetramerization of tert-Butylacetylene. <i>Organometallics</i> ,	3.8	2
1	Synthesis and crystallographic studies of 2-(di-phenyl-phosphino-thio-yl)-2-(3-oxobut-1-en-yl)ferrocene. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021 , 77, 853-856	0.7	