

Benudhar Punji

List of Publications by Year in descending order

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57
papers

2,230
citations

218381

26
h-index

233125

45
g-index

58
all docs

58
docs citations

58
times ranked

1912
citing authors

#	ARTICLE	IF	CITATIONS
1	C–H activation. Nature Reviews Methods Primers, 2021, 1, .	11.8	277
2	Catalytic dehydroaromatization of n-alkanes by pincer-ligated iridium complexes. Nature Chemistry, 2011, 3, 167-171.	6.6	177
3	Cobalt-Catalyzed C–H Bond Functionalizations with Aryl and Alkyl Chlorides. Chemistry - A European Journal, 2013, 19, 10605-10610.	1.7	167
4	Recent advances in transition-metal-free direct C–C and C–heteroatom bond forming reactions. RSC Advances, 2013, 3, 11957.	1.7	155
5	A Highly Stable Adamantyl-Substituted Pincer-Ligated Iridium Catalyst for Alkane Dehydrogenation. Organometallics, 2010, 29, 2702-2709.	1.1	98
6	Nickel-Catalyzed C(sp ²)–H/C(sp ³)–H Oxidative Coupling of Indoles with Toluene Derivatives. ACS Catalysis, 2017, 7, 4202-4208.	5.5	74
7	User-Friendly [(Diglyme)NiBr] ₂ -Catalyzed Direct Alkylations of Heteroarenes with Unactivated Alkyl Halides through C–H Bond Cleavages. Advanced Synthesis and Catalysis, 2011, 353, 3325-3329.	2.1	72
8	Unified Strategy for Nickel-Catalyzed C-2 Alkylation of Indoles through Chelation Assistance. ACS Catalysis, 2016, 6, 5666-5672.	5.5	72
9	C–H Functionalization of Indoles by 3d Transition-Metal Catalysis. Asian Journal of Organic Chemistry, 2020, 9, 326-342.	1.3	62
10	Rational Design of Highly Active σ -Hybrid-Phosphine-Phosphinite Pincer Iridium Catalysts for Alkane Metathesis. ACS Catalysis, 2013, 3, 2505-2514.	5.5	55
11	Synthesis of Neutral (PdII, PtII), Cationic (PdII), and Water-Induced Anionic (PdII) Complexes Containing New Mesocyclic Thioether-Aminophosphonite Ligands and Their Application in the Suzuki Cross-Coupling Reaction. Inorganic Chemistry, 2006, 45, 9454-9464.	1.9	53
12	Suzuki cross-coupling reactions catalyzed by palladium complex of an inexpensive phosphinite, 2-diphenylphosphinoxynaphthyl. Journal of Molecular Catalysis A, 2006, 259, 78-83.	4.8	51
13	Design and development of POCN-pincer palladium catalysts for C–H bond arylation of azoles with aryl iodides. Dalton Transactions, 2014, 43, 16084-16096.	1.6	51
14	Highly Air-Stable Anionic Mononuclear and Neutral Binuclear Palladium(II) Complexes for C–C and C–N Bond-Forming Reactions. Inorganic Chemistry, 2007, 46, 11316-11327.	1.9	47
15	A General Nickel-Catalyzed Method for C–H Bond Alkynylation of Heteroarenes Through Chelation Assistance. Chemistry - A European Journal, 2017, 23, 2907-2914.	1.7	45
16	Nickel-Catalyzed Straightforward and Regioselective C–H Alkenylation of Indoles with Alkenyl Bromides: Scope and Mechanistic Aspect. ACS Catalysis, 2019, 9, 431-441.	5.5	45
17	Unactivated Alkyl Halides in Transition-Metal-Catalyzed C–H Bond Alkylation. ACS Catalysis, 2021, 11, 3268-3292.	5.5	45
18	Thioether-Functionalized Ferrocenyl-bis(phosphonite), Fe{(C ₅ H ₄)P(OC ₁₀ H ₆ (η -S)C ₁₀ H ₆ O)} ₂ : η -Synthesis, Coordination Behavior, and Application in Suzuki-Miyaura Cross-Coupling Reactions. Inorganic Chemistry, 2007, 46, 10268-10275.	1.9	43

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19	3d Transition Metal-Catalyzed Hydrogenation of Nitriles and Alkynes. <i>Chemistry - an Asian Journal</i> , 2020, 15, 690-708.	1.7	43
20	Nickel-catalyzed C-H alkylation of indoles with unactivated alkyl chlorides: evidence of a Ni(II)/Ni(III) pathway. <i>Chemical Science</i> , 2019, 10, 9493-9500.	3.7	42
21	Iron-Catalyzed C(sp ²)-H Alkylation of Indolines and Benzo[h]quinoline with Unactivated Alkyl Chlorides through Chelation Assistance. <i>ACS Catalysis</i> , 2020, 10, 7312-7321.	5.5	40
22	Synthesis of Quinoline-Based NNN-Pincer Nickel(II) Complexes: A Robust and Improved Catalyst System for C-H Bond Alkylation of Azoles with Alkyl Halides. <i>Organometallics</i> , 2016, 35, 1785-1793.	1.1	38
23	Expedient and Solvent-Free Nickel-Catalyzed C-H Arylation of Arenes and Indoles. <i>ChemSusChem</i> , 2017, 10, 2242-2248.	3.6	37
24	Advances in C(sp ²)-H/C(sp ²)-H Oxidative Coupling of (Hetero)arenes Using 3d Transition Metal Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1998-2022.	2.1	36
25	Ruthenium(II), copper(I) and silver(I) complexes of large bite bisphosphinite, bis(2-diphenylphosphinoxynaphthalen-1-yl)methane: Application of Ru(II) complexes towards the hydrogenation of styrene and phenylacetylene. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4265-4272.	0.8	30
26	Mechanistic Insights into Pincer-Ligated Palladium-Catalyzed Arylation of Azoles with Aryl Iodides: Evidence of a Pd(II)→Pd(IV)→Pd(II) Pathway. <i>Organometallics</i> , 2016, 35, 875-886.	1.1	29
27	Nickel-Catalyzed Regioselective C(2)-H Difluoroalkylation of Indoles with Difluoroalkyl Bromides. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2516-2521.	1.7	25
28	Selective Synthesis of Secondary Amines from Nitriles by a User-Friendly Cobalt Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3930-3936.	2.1	25
29	Synthesis and reaction kinetics of Pd(1,5-cyclooctadiene)Cl ₂ with N,N'-methylene-bis(2-aminopyridyl): An efficient catalyst for Suzuki-cross-coupling reactions. <i>Polyhedron</i> , 2006, 25, 815-820.	1.0	23
30	Mechanistic Aspects of Pincer Nickel(II)-Catalyzed C-H Bond Alkylation of Azoles with Alkyl Halides. <i>Organometallics</i> , 2018, 37, 1017-1025.	1.1	23
31	Mechanism of Nickel(II)-Catalyzed C(2)-H Alkynylation of Indoles with Alkynyl Bromide. <i>Organometallics</i> , 2018, 37, 2037-2045.	1.1	23
32	MnBr ₂ -Catalyzed Direct and Site-Selective Alkylation of Indoles and Benzo[h]quinoline. <i>Organic Letters</i> , 2020, 22, 4643-4647.	2.4	21
33	Metal-free regioselective C-3 acetoxylation of N-substituted indoles: crucial impact of nitrogen-substituent. <i>RSC Advances</i> , 2015, 5, 57472-57481.	1.7	20
34	Development of (quinoliny)amido-based pincer palladium complexes: a robust and phosphine-free catalyst system for C-H arylation of benzothiazoles. <i>New Journal of Chemistry</i> , 2017, 41, 3543-3554.	1.4	19
35	Nickel-Catalyzed C(2)-H Arylation of Indoles with Aryl Chlorides under Neat Conditions. <i>Journal of Organic Chemistry</i> , 2019, 84, 12800-12808.	1.7	19
36	Mono- and binuclear palladacycles via regioselective C-H bond activation: syntheses, mechanistic insights and catalytic activity in direct arylation of azoles. <i>RSC Advances</i> , 2015, 5, 81502-81514.	1.7	15

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37	Group 11 Metal Complexes of the Mesocyclic Thioether Aminophosphonites [OC10H6(1/4-S)C10H6O-]PNC4H8E (E = O, NMe). <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 720-731.	1.0	13
38	Copper-catalyzed Direct Arylation of Indoles and Related (Hetero)arenes: A Ligandless and Solvent-free Approach. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2534-2540.	2.1	13
39	Nickel-catalyzed C-H Bond Functionalization of Azoles and Indoles. <i>Chemical Record</i> , 2021, 21, 3573-3588.	2.9	13
40	Synthesis of quinolinyl-based pincer copper complexes: an efficient catalyst system for Kumada coupling of alkyl chlorides and bromides with alkyl Grignard reagents. <i>Dalton Transactions</i> , 2018, 47, 16747-16754.	1.6	10
41	Advances in Transition-Metal-Catalyzed C-H Bond Oxygenation of Amides. <i>Synthesis</i> , 2021, 53, 2935-2946.	1.2	10
42	A Copper- and Phosphine-free Nickel(II)-catalyzed Method for C-H Bond Alkynylation of Benzothiazoles and Related Azoles. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1390-1395.	1.3	9
43	Pd(II)-Catalyzed Chemoselective Acetoxylation of C(sp ²)-H and C(sp ³)-H Bonds in Tertiary Amides. <i>Journal of Organic Chemistry</i> , 2021, 86, 8172-8181.	1.7	9
44	Scope and Mechanistic Aspect of Nickel-Catalyzed Alkenylation of Benzothiazoles and Related Azoles with Styryl Bromides. <i>Organometallics</i> , 2019, 38, 2422-2430.	1.1	8
45	Large bite bisphosphite, 2,6-C5H3N{CH2OP(OC10H6)(1/4-S)(C10H6O)}2: Synthesis, derivatization, transition metal chemistry and application towards hydrogenation of olefins. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1683-1689.	0.8	7
46	Copper(I) complexes of a thioether-functionalized short-bite aminobis(phosphonite), [PhN{P(OC10H6(1/4-S)C10H6O)}2]. <i>Polyhedron</i> , 2009, 28, 101-106.	1.0	7
47	Advances in the Iron-Catalyzed Direct Functionalizations of Heterocycles. <i>Synlett</i> , 2023, 34, 683-697.	1.0	7
48	Nickel-catalyzed Asymmetric Hydrogenation for the Synthesis of Key Sitagliptin Intermediate. <i>Chemistry - an Asian Journal</i> , 2021, , .	1.7	6
49	Ni(II)-Catalyzed Intramolecular C-H/C-H Oxidative Coupling: An Efficient Route to Functionalized Cycloindolones and Indenoindolones. <i>ACS Catalysis</i> , 2021, 11, 12384-12393.	5.5	5
50	Room temperature Z-selective hydrogenation of alkynes by hemilabile and non-innocent (NNN)Co(II) catalyst. <i>Catalysis Science and Technology</i> , 0, , .	2.1	5
51	Synthesis and characterization of six-membered pincer nickelacycles and application in alkylation of benzothiazole. <i>Journal of Chemical Sciences</i> , 2017, 129, 1161-1169.	0.7	4
52	O-2-Naphthyl diphenylselenophosphinate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4645-o4645.	0.2	2
53	Manganese-catalyzed C(sp ²)-H Alkylation of Indolines and Arenes with Unactivated Alkyl Bromides. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	2
54	An Efficient Route to 3,3'-biindolinylidene-diones by Iron-catalyzed Dimerization of Isatins. <i>Chemistry - an Asian Journal</i> , 0, , .	1.7	2

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55	O-2-Naphthyl diphenylthiophosphate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4644-o4644.	0.2	1
56	Palladacycles for Directed and Nondirected C H Bond Functionalization of (Hetero)arenes. , 2017, , 357-415.		0
57	Achiral and chiral NNN-pincer nickel complexes with oxazolinyl backbones: application in transfer hydrogenation of ketones. New Journal of Chemistry, 2021, 45, 11927-11936.	1.4	0