Neeraj Kumar Mishra

List of Publications by Year in Descending Order

100 papers	2,948 citations	33 h-index	51 g-index
125 ext. papers	3,375 ext. citations	4.5 avg, IF	5.16 L-index

#	Paper	IF	Citations
100	Reactivity of triplet diradical intermediates in aqueous media for transition-metal-free Csp2–H alkylation. *Cell Reports Physical Science*, **2022**, 100819	6.1	
99	Synthesis of Succinimide-Linked Indazol-3-ols Derived from Maleimides under Rh(III) Catalysis.. *ACS Omega*, **2022**, 7, 14712-14722	3.9	2
98	Novel anti-adipogenic effect of CF-allylated indole in 3T3-L1 cells.. *Chemico-Biological Interactions*, **2021**, 352, 109782	5	0
97	Synthesis of Cinnolines via Rh(III)-Catalyzed Annulation of N-Aryl Heterocycles with Vinylene Carbonate. *Asian Journal of Organic Chemistry*, **2021**, 10, 3005	3	3
96	Site-selective and metal-free C-H nitration of biologically relevant N-heterocycles. *Archives of Pharmacal Research*, **2021**, 1	6.1	
95	Site-Selective C8-Alkylation of Quinoline -Oxides with Maleimides under Rh(III) Catalysis. *Journal of Organic Chemistry*, **2021**, 86, 7579-7587	4.2	5
94	Catalyst-Free One-Pot Multi-Component Synthesis of 2-Substituted Quinazolin-4-carboxamides from 2-Aminophenyl-2-oxoacetamides, Aldehydes, and Ammonium Acetate. *ChemistrySelect*, **2021**, 6, 5446-5450	1.8	0
93	Synthesis of (2)-Indazoles and Dihydrocinnolinones through Annulation of Azobenzenes with Vinylene Carbonate under Rh(III) Catalysis. *Organic Letters*, **2021**, 23, 5518-5522	6.2	8
92	C–H Methylation of Iminoamido Heterocycles with Sulfur Ylides**. *Angewandte Chemie*, **2021**, 133, 193-198	3.6	4
91	Direct Integration of Phthalazinone and Succinimide Scaffolds via Rh(III)-Catalyzed C–H Functionalization. *Asian Journal of Organic Chemistry*, **2021**, 10, 202-209	3	8
90	C-H Methylation of Iminoamido Heterocycles with Sulfur Ylides*. *Angewandte Chemie - International Edition*, **2021**, 60, 191-196	16.4	20
89	Synthesis of spirosuccinimides annulative cyclization between -aryl indazolols and maleimides under rhodium(III) catalysis. *Chemical Communications*, **2021**, 57, 10947-10950	5.8	7
88	Transition-Metal-Free Alkylation and Acylation of Benzoxazinones with 1,4-Dihydropyridines. *Journal of Organic Chemistry*, **2021**, 86, 12247-12256	4.2	1
87	Synthesis of π-Extended Heterocycles via Rh(III)-Catalyzed Oxidative Annulation of 5-Aryl Pyrazinones with Alkynes. *Journal of Organic Chemistry*, **2021**, 86, 16349-16360	4.2	0
86	C2-Selective C-H Methylation of Heterocyclic -Oxides with Sulfonium Ylides. *Organic Letters*, **2020**, 22, 9004-9009	6.2	14
85	Transition-Metal-Free and Site-Selective Selenylation of Heterocyclic N-Oxides in Anisole as a Green Solvent. *European Journal of Organic Chemistry*, **2020**, 2020, 4886-4892	3.2	6
84	Phthalazinone-Assisted C-H Amidation Using Dioxazolones Under Rh(III) Catalysis. *Journal of Organic Chemistry*, **2020**, 85, 7014-7023	4.2	13

83	Deoxygenative Amination of Azine--oxides with Acyl Azides via [3 + 2] Cycloaddition. *Journal of Organic Chemistry*, **2020**, 85, 2476-2485	4.2	13
82	Ru(II)-Catalyzed C-H Hydroxyalkylation and Mitsunobu Cyclization of -Aryl Phthalazinones. *Journal of Organic Chemistry*, **2020**, 85, 2520-2531	4.2	13
81	Site-Selective C–H Amidation of 2-Aryl Quinazolinones Using Nitrene Surrogates. *European Journal of Organic Chemistry*, **2020**, 2020, 7134-7143	3.2	2
80	Ru(ii)-Catalyzed C-H addition and oxidative cyclization of 2-aryl quinazolinones with activated aldehydes. *Organic and Biomolecular Chemistry*, **2020**, 18, 9611-9622	3.9	3
79	Synthesis of (2H)-Indazoles from Azobenzenes Using Paraformaldehyde as a One-Carbon Synthon. *Advanced Synthesis and Catalysis*, **2019**, 361, 1617-1626	5.6	9
78	Allylic Acetals as Acrolein Oxonium Precursors in Tandem C-H Allylation and [3+2] Dipolar Cycloaddition. *Angewandte Chemie - International Edition*, **2019**, 58, 9470-9474	16.4	26
77	Allylic Acetals as Acrolein Oxonium Precursors in Tandem C–H Allylation and [3+2] Dipolar Cycloaddition. *Angewandte Chemie*, **2019**, 131, 9570-9574	3.6	0
76	Site-Selective C-H Alkylation of Diazine -Oxides Enabled by Phosphonium Ylides. *Organic Letters*, **2019**, 21, 6488-6493	6.2	21
75	Ruthenium(II)-Catalyzed Site-Selective Hydroxymethylation of Indolines with Paraformaldehyde. *Journal of Organic Chemistry*, **2019**, 84, 2307-2315	4.2	11
74	Synthesis of TMPA Derivatives through Sequential Ir(III)-Catalyzed C-H Alkylation and Their Antidiabetic Evaluation. *ACS Omega*, **2018**, 3, 2661-2672	3.9	4
73	Ru(II)-Catalyzed C-H Aminocarbonylation of N-(Hetero)aryl-7-azaindoles with Isocyanates. *Journal of Organic Chemistry*, **2018**, 83, 4641-4649	4.2	17
72	Synthesis of 2-Benzazepines from Benzylamines and MBH Adducts Under Rhodium(III) Catalysis via C(sp2)–H Functionalization. *ACS Catalysis*, **2018**, 8, 742-746	13.1	28
71	Synthesis of (2 H)-Indazoles through Rh(III)-Catalyzed Annulation Reaction of Azobenzenes with Sulfoxonium Ylides. *Journal of Organic Chemistry*, **2018**, 83, 4070-4077	4.2	71
70	Reactivity of Morita-Baylis-Hillman Adducts in C-H Functionalization of (Hetero)aryl Nitrones: Access to Bridged Cycles and Carbazoles. *Organic Letters*, **2018**, 20, 4632-4636	6.2	16
69	Dual Role of Anthranils as Amination and Transient Directing Group Sources: Synthesis of 2-Acyl Acridines. *Organic Letters*, **2018**, 20, 4010-4014	6.2	51
68	Recent advances in N-heterocycles synthesis through catalytic C–H functionalization of azobenzenes. *Tetrahedron*, **2018**, 74, 6769-6794	2.4	22
67	Site-selective C–H nitration of N-aryl-7-azaindoles under palladium(II) catalysis. *Tetrahedron Letters*, **2018**, 59, 3848-3852	2	5
66	Cp*Rh(iii)-catalyzed C(sp)-H alkylation of 8-methylquinolines in aqueous media. *Chemical Communications*, **2017**, 53, 3006-3009	5.8	45

65	Installation of α-ketocarboxylate groups to C7-position of indolines via C–H addition and oxidation approach under ruthenium catalysis. *Tetrahedron*, **2017**, 73, 1725-1732	2.4	9
64	Synthesis and Cytotoxic Evaluation of N-Aroylureas through Rhodium(III)-Catalyzed C–H Functionalization of Indolines with Isocyanates. *Advanced Synthesis and Catalysis*, **2017**, 359, 2329-2336	5.6	18
63	Rhodium-Catalyzed [3 + 2] Annulation of Cyclic N-Acyl Ketimines with Activated Olefins: Anticancer Activity of Spiroisoindolinones. *Journal of Organic Chemistry*, **2017**, 82, 3359-3367	4.2	66
62	Site-selective Cp*Rh(III)-catalyzed C–H amination of indolines with anthranils. *Organic Chemistry Frontiers*, **2017**, 4, 241-249	5.2	48
61	Synthesis and Anti-inflammatory Evaluation of 2-Aminobenzaldehydes via Ir(III)-Catalyzed C-H Amidation of Aldimines with Acyl Azides. *Journal of Organic Chemistry*, **2017**, 82, 7555-7563	4.2	24
60	One-pot Synthesis of Oxindoles through C–H Alkylation and Intramolecular Cyclization of Azobenzenes with Internal Olefins. *Advanced Synthesis and Catalysis*, **2017**, 359, 2396-2401	5.6	29
59	Synthesis and anti-inflammatory evaluation of N-sulfonyl anthranilic acids via Ir(III)-catalyzed C-H amidation of benzoic acids. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2129-2134	2.9	11
58	Recent Advances in Catalytic C(sp2)–H Allylation Reactions. *ACS Catalysis*, **2017**, 7, 2821-2847	13.1	194
57	Front Cover: Synthesis and Anticancer Evaluation of 2,3-Disubstituted Indoles Derived from Azobenzenes and Internal Olefins (Eur. J. Org. Chem. 42/2017). *European Journal of Organic Chemistry*, **2017**, 2017, 6246-6246	3.2	
56	Rhodium(III)-Catalyzed Diastereoselective Synthesis of 1-Aminoindanes via C–H Activation. *Advanced Synthesis and Catalysis*, **2017**, 359, 3900-3904	5.6	27
55	Synthesis of Indenes that are Derived from Aldimines with Enones Under Rhodium(III) Catalysis. *Asian Journal of Organic Chemistry*, **2017**, 6, 1823-1829	3	4
54	C(sp)-H amination of 8-methylquinolines with azodicarboxylates under Rh(iii) catalysis: cytotoxic evaluation of quinolin-8-ylmethanamines. *Chemical Communications*, **2017**, 53, 11197-11200	5.8	15
53	Synthesis of nano-sized titania using new chemically modified Schiff base complexes of titanium(IV) isopropoxide through sol–gel technology. *Materials Research Innovations*, **2017**, 1-6	1.9	
52	Front Cover Picture: Site-Selective Rhodium(III)-Catalyzed C–H Amination of 7-Azaindoles with Anthranils: Synthesis and Anticancer Evaluation (Adv. Synth. Catal. 20/2017). *Advanced Synthesis and Catalysis*, **2017**, 359, 3469-3469	5.6	0
51	Synthesis and Anticancer Evaluation of 2,3-Disubstituted Indoles Derived from Azobenzenes and Internal Olefins. *European Journal of Organic Chemistry*, **2017**, 2017, 6265-6273	3.2	12
50	Site-Selective Rhodium(III)-Catalyzed C–H Amination of 7-Azaindoles with Anthranils: Synthesis and Anticancer Evaluation. *Advanced Synthesis and Catalysis*, **2017**, 359, 3471-3478	5.6	54
49	Rh(III)-catalyzed C–H alkylation of indolines with enones through conjugate addition and protonation pathway. *Tetrahedron*, **2017**, 73, 4739-4749	2.4	12
48	Rhodium(III)-Catalyzed C(sp(3))-H Alkylation of 8-Methylquinolines with Maleimides. *Organic Letters* , **2016**, 18, 4666-9	6.2	80

47	Front Cover Picture: Ruthenium(II)- or Rhodium(III)-Catalyzed Grignard-Type Addition of Indolines and Indoles to Activated Carbonyl Compounds (Adv. Synth. Catal. 17/2016). *Advanced Synthesis and Catalysis*, **2016**, 358, 2713-2713	5.6	
46	Synthesis of Succinimide-Containing Chromones, Naphthoquinones, and Xanthones under Rh(III) Catalysis: Evaluation of Anticancer Activity. *Journal of Organic Chemistry*, **2016**, 81, 12416-12425	4.2	69
45	Rhodium-Catalyzed Vinylic C□H Functionalization of Enol Carbamates with Maleimides. *European Journal of Organic Chemistry*, **2016**, 2016, 3611-3618	3.2	27
44	Redox-Neutral Rh(III)-Catalyzed Olefination of Carboxamides with Trifluoromethyl Allylic Carbonate. *Journal of Organic Chemistry*, **2016**, 81, 11353-11359	4.2	13
43	Mild and Site-Selective Allylation of Enol Carbamates with Allylic Carbonates under Rhodium Catalysis. *Journal of Organic Chemistry*, **2016**, 81, 2243-51	4.2	29
42	Synthesis of Phthalides through Tandem Rhodium-Catalyzed C□H Olefination and Annulation of Benzamides. *European Journal of Organic Chemistry*, **2016**, 2016, 3076-3083	3.2	6
41	Cross-Coupling of Acrylamides and Maleimides under Rhodium Catalysis: Controlled Olefin Migration. *Organic Letters*, **2016**, 18, 2568-71	6.2	62
40	Trifluoromethylallylation of Heterocyclic C-H Bonds with Allylic Carbonates under Rhodium Catalysis. *Journal of Organic Chemistry*, **2016**, 81, 4771-8	4.2	25
39	Site-Selective C□H Amidation of Azobenzenes with Dioxazolones under Rhodium Catalysis. *European Journal of Organic Chemistry*, **2016**, 2016, 4976-4980	3.2	31
38	Rh(III)-Catalyzed C-H Functionalization of Indolines with Readily Accessible Amidating Reagent: Synthesis and Anticancer Evaluation. *Journal of Organic Chemistry*, **2016**, 81, 9878-9885	4.2	73
37	Ruthenium(II)- or Rhodium(III)-Catalyzed Grignard-Type Addition of Indolines and Indoles to Activated Carbonyl Compounds. *Advanced Synthesis and Catalysis*, **2016**, 358, 2714-2720	5.6	43
36	Direct and Site-Selective Palladium-Catalyzed C-7 Acylation of Indolines with Aldehydes. *Advanced Synthesis and Catalysis*, **2015**, 357, 594-600	5.6	53
35	Rh(III)-catalyzed C□H alkylation of 2-arylbenzothiazoles with □-diazo esters. *Tetrahedron Letters*, **2015**, 56, 4678-4682	2	31
34	Rh(III)-Catalyzed C-H Amidation of Indoles with Isocyanates. *Journal of Organic Chemistry*, **2015**, 80, 7243-50	4.2	37
33	Synthesis of N-Sulfonylamidated and Amidated Azobenzenes under Rhodium Catalysis. *Journal of Organic Chemistry*, **2015**, 80, 8026-35	4.2	29
32	Rhodium-catalyzed mild and selective C□H allylation of indolines and indoles with 4-vinyl-1,3-dioxolan-2-one: facile access to indolic scaffolds with an allylic alcohol moiety. *Tetrahedron*, **2015**, 71, 2435-2441	2.4	44
31	Rhodium(III)-Catalyzed Selective C?H Cyanation of Indolines and Indoles with an Easily Accessible Cyano Source. *Advanced Synthesis and Catalysis*, **2015**, 357, 1293-1298	5.6	76
30	Direct C-H alkylation and indole formation of anilines with diazo compounds under rhodium catalysis. *Chemical Communications*, **2015**, 51, 17229-32	5.8	97

29	Rhodium-Catalyzed C-H Alkylation of Indolines with Allylic Alcohols: Direct Access to Aryl Carbonyl Compounds. *Journal of Organic Chemistry*, **2015**, 80, 11092-9	4.2	53
28	Rh(III)-catalyzed ortho-Alkylation of N-Benzyltriflamides with Diazo Compounds. *Bulletin of the Korean Chemical Society*, **2015**, 36, 2823-2828	1.2	5
27	Mild Rh(III)-catalyzed C7-allylation of indolines with allylic carbonates. *Journal of Organic Chemistry*, **2015**, 80, 1818-27	4.2	70
26	Transition-Metal-Catalyzed Oxidative and Decarboxylative Acylations through sp2 C-H Bond Activation. *Current Organic Chemistry*, **2015**, 20, 471-511	1.7	21
25	Copper-catalyzed oxidative C-O bond formation of 2-acyl phenols and 1,3-dicarbonyl compounds with ethers: direct access to phenol esters and enol esters. *Journal of Organic Chemistry*, **2014**, 79, 4735-42	4.2	21
24	Direct access to isoindolines through tandem Rh(III)-catalyzed alkenylation and cyclization of N-benzyltriflamides. *Chemical Communications*, **2014**, 50, 2350-2	5.8	46
23	Pd-catalyzed oxidative coupling of arene C-H bonds with benzylic ethers as acyl equivalents. *Journal of Organic Chemistry*, **2014**, 79, 275-84	4.2	45
22	Direct allylation of aromatic and unsaturated carboxamides under ruthenium catalysis. *Chemical Communications*, **2014**, 50, 11303-6	5.8	71
21	Ru(II)-catalyzed selective C-H amination of xanthones and chromones with sulfonyl azides: synthesis and anticancer evaluation. *Journal of Organic Chemistry*, **2014**, 79, 9262-71	4.2	52
20	Rh-catalyzed oxidative C2-alkenylation of indoles with alkynes: unexpected cleavage of directing group. *Tetrahedron Letters*, **2014**, 55, 3104-3107	2	26
19	Decarboxylative acylation of indolines with keto acids under palladium catalysis: a facile strategy for the synthesis of 7-substituted indoles. *Chemical Communications*, **2014**, 50, 14249-52	5.8	88
18	Rh-catalyzed oxidative C-C bond formation and C-N bond cleavage: direct access to C2-olefinated free (NH)-indoles and pyrroles. *Organic and Biomolecular Chemistry*, **2014**, 12, 1703-6	3.9	44
17	Rh(III)-catalyzed oxidative coupling of 1,2-disubstituted arylhydrazines and olefins: a new strategy for 2,3-dihydro-1H-indazoles. *Organic Letters*, **2014**, 16, 2494-7	6.2	48
16	Potassium carbonate as a green catalyst for Markovnikov addition of azoles to vinyl acetate in PEG. *Green Chemistry Letters and Reviews*, **2013**, 6, 63-68	4.7	9
15	Solvent-free synthesis of polyfunctional tetrahydropyrimidines promoted by recyclable ionic liquid. *Journal of the Iranian Chemical Society*, **2013**, 10, 695-699	2	1
14	Dodecylphosphonic acid (DPA): a highly efficient catalyst for the synthesis of 2H-indazolo[2,1-b]phthalazine-triones under solvent-free conditions. *Tetrahedron Letters*, **2012**, 53, 1728-1731	2	52
13	A novel method for the synthesis of tetrahydrobenzo[a]-xanthen-11-one derivatives using cerium(III) chloride as a highly efficient catalyst. *Comptes Rendus Chimie*, **2012**, 15, 324-330	2.7	11
12	Gold(III) chloride (HAuCl4 3H2O) in PEG: A new and efficient catalytic system for the synthesis of functionalized spirochromenes. *Applied Catalysis A: General*, **2012**, 425-426, 35-43	5.1	33

List of Publications

11	A green methodology for one-pot synthesis of polysubstituted-tetrahydropyrimidines using PEG. *Green Chemistry Letters and Reviews*, **2011**, 4, 109-115	4.7	11
10	Markovnikov addition of vinyl acetate with azoles catalyzed by potassium tert-butoxide. *Chinese Chemical Letters*, **2011**, 22, 417-420	8.1	4
9	Application of mobilized Cu-nanoparticles as heterogeneous catalyst for the synthesis of □amino phosphonatesviaA2-P coupling. *Catalysis Science and Technology*, **2011**, 1, 426	5.5	22
8	Polyethylene glycol (PEG) mediated green synthesis of 2,5-disubstituted 1,3,4-oxadiazoles catalyzed by ceric ammonium nitrate (CAN). *Green Chemistry Letters and Reviews*, **2010**, 3, 55-59	4.7	28
7	Cu Nanoparticles in PEG: A New Recyclable Catalytic System for N-Arylation of Amines with Aryl Halides. *ChemCatChem*, **2010**, 2, 1312-1317	5.2	36
6	Novel one-pot Cu-nanoparticles-catalyzed Mannich reaction. *Tetrahedron Letters*, **2009**, 50, 1355-1358	2	71
5	A novel method for the synthesis of □enaminones using Cu-nanoparticles as catalyst. *Catalysis Communications*, **2009**, 10, 1514-1517	3.2	38
4	Ni-nanoparticles usage for the reduction of ketones. *Catalysis Communications*, **2008**, 9, 612-617	3.2	22
3	CAN catalyzed synthesis of □amino carbonyl compounds via Mannich reaction in PEG. *Catalysis Communications*, **2008**, 9, 2547-2549	3.2	49
2	Cu-nanoparticle catalyzed O-arylation of phenols with aryl halides via Ullmann coupling. *Tetrahedron Letters*, **2007**, 48, 8883-8887	2	105
1	Copper-Nanoparticle-Catalyzed A3 Coupling via C-H Activation. *Synlett*, **2007**, 2007, 1581-1584	2.2	64