

Krishna Nand Singh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microwave-Assisted Diversity-Oriented Synthesis of Thiazolones and Its Interaction with Biomacromolecules. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	2
2	Iodine-catalyzed thioallylation of indoles using Bunte salts prepared from Baylis-Hillman bromides. Organic and Biomolecular Chemistry, 2021, 19, 3484-3488.	1.5	7
3	Metal-free multicomponent reactions: a benign access to monocyclic six-membered N-heterocycles. Organic and Biomolecular Chemistry, 2021, 19, 2622-2657.	1.5	40
4	Iron-Catalyzed Radical Activation Mechanism for Denitrogenative Rearrangement Over C(sp ³)-H Amination. Angewandte Chemie, 2021, 133, 8854-8862.	1.6	3
5	Iron-Catalyzed Radical Activation Mechanism for Denitrogenative Rearrangement Over C(sp ³)-H Amination. Angewandte Chemie - International Edition, 2021, 60, 8772-8780.	7.2	27
6	Visible-Light-Induced Photocatalytic Oxidative Decarboxylation of Cinnamic Acids to 1,2-Diketones. Journal of Organic Chemistry, 2021, 86, 6486-6493.	1.7	21
7	Visible-Light-Induced Photocatalytic Synthesis of β -Keto Dithiocarbamates via Difunctionalization of Styrenes. Organic Letters, 2021, 23, 4147-4151.	2.4	36
8	Copper-Catalyzed Decarboxylative Synthesis of β -Ketothioamides Using β -Unsaturated Arylcarboxylic Acids, Alicyclic Secondary Amines and Elemental Sulfur. Asian Journal of Organic Chemistry, 2021, 10, 1748-1751.	1.3	6
9	Visible Light-Triggered β -Allylation of Indoles Using Baylis-Hillman Bromides. Asian Journal of Organic Chemistry, 2020, 9, 1213-1216.	1.3	4
10	Synthesis and characterization of new square planar heteroleptic cationic complexes [Ni(ii) β -oxodithioester-dppe] ⁺ ; their use as a catalyst for Chan-Lam coupling. New Journal of Chemistry, 2020, 44, 12143-12153.	1.4	10
11	Iodine-Catalyzed Synthesis of 3-Arylthioindoles Employing a 1-Aryltriazene/CS ₂ Combination as a New Sulfenylation Source. ACS Omega, 2020, 5, 7627-7635.	1.6	23
12	Synthesis of 3-acylindoles via copper-mediated oxidative decarboxylation of ethyl arylacetates. Organic and Biomolecular Chemistry, 2020, 18, 1623-1628.	1.5	7
13	Direct C-H Arylation of N-Heterocycles with Aryl Triazenes Using Molecular Oxygen as Oxidant. ChemistrySelect, 2019, 4, 8522-8525.	0.7	12
14	Eosin-Y-Catalyzed Photoredox C-S Bond Formation: Easy Access to Thioethers. Chemistry - an Asian Journal, 2019, 14, 4712-4716.	1.7	26
15	Visible-Light-Enabled Synthesis of Pyridyl Benzamides via Oxidative Decarboxylation using Copper(I) Iodide/Air at Room Temperature. Asian Journal of Organic Chemistry, 2019, 8, 873-876.	1.3	3
16	A diversity-oriented novel regioselective synthesis of sulfonamide-thiazolidinone hybrids. New Journal of Chemistry, 2019, 43, 6288-6293.	1.4	7
17	An Efficient Synthesis of 1,2-Diketones by Oxidative Cross-coupling of Alkynes and Aryl Triazenes using Copper Catalysis. ChemistrySelect, 2019, 4, 4064-4067.	0.7	11
18	Visible light enabled β -trifluoromethylation of Baylis-Hillman acetates: stereoselective synthesis of trisubstituted alkenes. Organic Chemistry Frontiers, 2019, 6, 989-993.	2.3	40

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19	Cu-Catalysed oxidative amidation of cinnamic acids/arylacetic acids with 2° amines: an efficient synthesis of α -ketoamides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9348-9351.	1.5	10
20	A Practical Copper Catalyzed N-Arylation of Amines Using Aryl Triazenes as Aryl Source. <i>ChemistrySelect</i> , 2019, 4, 718-721.	0.7	10
21	Transition-Metal-Free Cross-Dehydrogenative Coupling of Ethyl Arylacetates with Benzoic/Cinnamic Acids: A Practical Synthesis of α -Acyloxy Esters. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 688-691.	1.3	9
22	Nickel Catalyzed Ipso-Hydroxylation and Subsequent Cross Dehydrogenative Coupling of Arylboronic Acids with Tertiary Amines: A Facile Access to α -phenolated Tertiary Amines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1786-1789.	2.1	16
23	AIBN-Initiated Denitrative Cross-Coupling Reactions of β -Nitrostyrenes with Sulfonyl Hydrazides/Disulfides: A Metal-Free Approach towards Vinyl Sulfones. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 359-362.	1.3	20
24	Transition-Metal-Free Regiospecific Arylation of Nitroarenes Using Ethyl Arylacetates at Room Temperature. <i>Organic Letters</i> , 2018, 20, 744-747.	2.4	17
25	Palladium Catalyzed C-C and C-N Bond Formation via <i>ortho</i> -C-H Activation and Decarboxylative Strategy: A Practical Approach towards <i>ortho</i> -Acylated Indoles. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 422-426.	2.1	23
26	Multicomponent reactions: a sustainable tool to 1,2- and 1,3-azoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 9084-9116.	1.5	42
27	A practical synthesis of aryl sulfones via cross-coupling of sulfonyl hydrazides with aryltriazenes using copper/ionic liquid combination. <i>Tetrahedron</i> , 2018, 74, 6704-6709.	1.0	24
28	Decarboxylative Arylation of α,β -Unsaturated Carboxylic Acids Using Aryl Triazenes by Copper/Ionic Liquid Combination in PEG-400. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5942-5946.	1.2	13
29	Silver-Catalyzed Decarboxylative Trifluoromethylthiolation of Cinnamic Acids: An Easy Access to α -Trifluoromethylthiolated Ketones. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1835-1838.	1.3	6
30	One pot synthesis of α,β -epoxy ketones by oxidative coupling of methyl arenes with cinnamic acids involving C(sp ³)-H activation and decarboxylative strategy. <i>Tetrahedron</i> , 2017, 73, 3074-3078.	1.0	11
31	Metal-free decarboxylative acylation of isoquinolines using α -keto acids in water. <i>Tetrahedron Letters</i> , 2017, 58, 2347-2350.	0.7	26
32	Metal-free denitrative arylation of β -nitrostyrenes using benzoyl peroxide: an easy access to <i>trans</i> -stilbenes. <i>New Journal of Chemistry</i> , 2017, 41, 14914-14917.	1.4	12
33	A practical protocol for the synthesis of bibenzyls via C(sp ³)-H activation of methyl arenes under metal-free conditions. <i>Organic Chemistry Frontiers</i> , 2017, 4, 147-150.	2.3	20
34	Palladium-Catalyzed Site-Selective C-H Functionalization of Weakly Coordinating Sulfonamides: Synthesis of Biaryl Sulfonamides. <i>Chemistry - an Asian Journal</i> , 2016, 11, 696-699.	1.7	20
35	Elemental sulfur mediated synthesis of benzoxazoles, benzothiazoles and quinoxalines via decarboxylative coupling of 2-hydroxy/mercapto/amino-anilines with cinnamic acids. <i>RSC Advances</i> , 2016, 6, 81013-81016.	1.7	18
36	A binuclear Cu(μ -) complex as a novel catalyst towards the direct synthesis of N-2-aryl-substituted-1,2,3-triazoles from chalcones. <i>RSC Advances</i> , 2016, 6, 15518-15524.	1.7	10

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37	Sulfur promoted decarboxylative thioamidation of carboxylic acids using formamides as amine proxy. <i>Tetrahedron</i> , 2016, 72, 2012-2017.	1.0	27
38	Copper catalysed C–N bond formation via a sequential acylation and deacylation process: a novel strategy for the synthesis of benzanilides. <i>RSC Advances</i> , 2015, 5, 9920-9924.	1.7	15
39	Elemental Sulfur Mediated Decarboxylative Redox Cyclization Reaction of <i>o</i> -Chloronitroarenes and Arylacetic Acids. <i>Organic Letters</i> , 2015, 17, 976-978.	2.4	79
40	Nickel-Catalyzed C–S Bond Formation: Synthesis of Aryl Sulfides from Arylsulfonyl Hydrazides and Boronic Acids. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1181-1186.	2.1	59
41	A Direct Metal-Free Decarboxylative Sulfonyl Functionalization (DSF) of Cinnamic Acids to α,β -Unsaturated Phenyl Sulfones. <i>Organic Letters</i> , 2015, 17, 2656-2659.	2.4	163
42	Utilization of methylarenes as versatile building blocks in organic synthesis. <i>Chemical Society Reviews</i> , 2015, 44, 8062-8096.	18.7	156
43	Binuclear Cu(I) complex of (N ¹ E,N ² E)-N ¹ ,N ² -bis(phenyl(pyridin-2-yl)methylene)oxalohydrazide: Synthesis, crystal structure and catalytic activity for the synthesis of 1,2,3-triazoles. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 158-163.	4.8	13
44	Sulphur promoted C(sp ³)–C(sp ²) cross dehydrogenative cyclisation of acetophenone hydrazones with aldehydes: efficient synthesis of 3,4,5-trisubstituted 1H-pyrazoles. <i>Chemical Communications</i> , 2015, 51, 366-369.	2.2	57
45	An Efficient FeCl ₃ -Catalyzed Condensation of Thiols with 1,3-Dicarbonyl Compounds under Solvent-Free Conditions. <i>Synlett</i> , 2014, 25, 213-216.	1.0	2
46	AIBN-initiated metal free amidation of aldehydes using N-chloroamines. <i>Green Chemistry</i> , 2014, 16, 351-356.	4.6	59
47	Direct conversion of methylarenes into dithiocarbamates, thioamides and benzyl esters. <i>Tetrahedron</i> , 2014, 70, 3887-3892.	1.0	43
48	A binuclear Mn(II) complex as an efficient catalyst for transamidation of carboxamides with amines. <i>RSC Advances</i> , 2014, 4, 1155-1158.	1.7	43
49	A simple and sustainable tetrabutylammonium fluoride (TBAF)-catalyzed synthesis of azaarene-substituted 3-hydroxy-2-oxindoles through sp ³ C–H functionalization. <i>RSC Advances</i> , 2014, 4, 19789-19793.	1.7	26
50	Decarboxylative Thioamidation of Arylacetic and Cinnamic Acids: A New Approach to Thioamides. <i>Organic Letters</i> , 2014, 16, 3624-3627.	2.4	115
51	Toxicological and pharmacological evaluation, antioxidant, ADMET and molecular modeling of selected racemic chromenotacines {11-amino-12-aryl-8,9,10,12-tetrahydro-7H-chromeno[2,3-b]quinolin-3-ols} for the potential prevention and treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 491-501.	2.6	44
52	Regioselective Hydrothiolation of Alkynes by Sulfonyl Hydrazides Using Organic Ionic Base–Brønsted Acid. <i>Organic Letters</i> , 2013, 15, 4202-4205.	2.4	125
53	Hypervalent iodine catalyzed transamidation of carboxamides with amines. <i>RSC Advances</i> , 2013, 3, 1691-1694.	1.7	66
54	MnO ₂ Promoted Sequential C=O and C–N Bond Formation via C–H Activation of Methylarenes: A New Approach to Amides. <i>Organic Letters</i> , 2013, 15, 4908-4911.	2.4	102

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55	Cooperatively assisted N-arylation using organic ionic base–Brønsted acid combination under controlled microwave heating. <i>Tetrahedron</i> , 2013, 69, 1038-1042.	1.0	32
56	Convenient MW-Assisted Synthesis of Unsymmetrical Sulfides Using Sulfonyl Hydrazides as Aryl Thiol Surrogate. <i>Organic Letters</i> , 2013, 15, 5874-5877.	2.4	121
57	A novel and simple transamidation of carboxamides in 1,4-dioxane without a catalyst. <i>Tetrahedron Letters</i> , 2013, 54, 2553-2555.	0.7	28
58	An Efficient Tetrabutylammonium Fluoride (TBAF)-Catalyzed Three-Component Synthesis of 3-Substituted Indole Derivatives under Solvent-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1840-1848.	2.1	45
59	Utilization of carbon disulfide as a powerful building block for the synthesis of 2-aminobenzoxazoles. <i>RSC Advances</i> , 2013, 3, 9875.	1.7	17
60	An efficient synthesis of 2H-chromen-3-yl derivatives via CuI/(NH ₄) ₂ HPO ₄ catalyzed reaction of O-propargyl salicylaldehydes with active methylene compounds. <i>Tetrahedron</i> , 2013, 69, 82-88.	1.0	19
61	Microwave Assisted Organic Synthesis: Cross Coupling and Multicomponent Reactions. <i>Current Organic Chemistry</i> , 2013, 17, 474-490.	0.9	19
62	Simple and Efficient One-Pot Synthesis of Imidazo[1,2-a]pyridines Catalyzed by Magnetic Nano-Fe ₃ O ₄ -KHSO ₄ -SiO ₂ . <i>Synlett</i> , 2012, 23, 2635-2638.	1.0	25
63	Iodine-Catalyzed Highly Efficient Synthesis of 3-Alkylated/3-Alkenylated Indoles from 1,3-Dicarbonyl Compounds. <i>Synlett</i> , 2012, 23, 2116-2120.	1.0	14
64	Nickel-Mediated C–N-Arylation with Arylboronic Acids: An Avenue to Chan–Lam Coupling. <i>Organic Letters</i> , 2012, 14, 4326-4329.	2.4	132
65	An Expedient Synthesis of Tetrahydro-1,2,4-triazolo[5,1-b]quinazolin-8(4H)-ones and Dihydro-1,2,4-triazolo[1,5-a]pyrimidines. <i>Organic Preparations and Procedures International</i> , 2012, 44, 460-466.	0.6	28
66	DBU-catalyzed expeditious and facile multicomponent synthesis of N-arylquinolines under microwave irradiation. <i>Monatshefte für Chemie</i> , 2012, 143, 805-808.	0.9	21
67	An eco-safe approach to benzopyranopyrimidines and 4H-chromenes in ionic liquid at room temperature. <i>Tetrahedron Letters</i> , 2012, 53, 650-653.	0.7	45
68	Sc(OTf) ₃ -catalyzed, solvent-free domino synthesis of functionalized pyrazoles under controlled microwave irradiation. <i>Tetrahedron Letters</i> , 2012, 53, 1130-1133.	0.7	43
69	NiCl ₂ ·6H ₂ O as recyclable heterogeneous catalyst for N-arylation of amines and NH-heterocycles under microwave exposure. <i>Tetrahedron Letters</i> , 2012, 53, 2218-2221.	0.7	17
70	Synthesis, characterization and catalytic property of ruthenium-terpyridyl complexes. <i>Polyhedron</i> , 2012, 31, 227-234.	1.0	10
71	A highly efficient green synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives and their photophysical studies. <i>Tetrahedron Letters</i> , 2011, 52, 5702-5705.	0.7	102
72	Highly efficient one-pot synthesis of primary amides catalyzed by scandium(III) triflate under controlled MW. <i>Tetrahedron Letters</i> , 2011, 52, 5851-5854.	0.7	29

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73	Eco-friendly and facile one-pot multicomponent synthesis of acridinediones in water under microwave. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 69-73.	1.4	33
74	Microwave-assisted one-pot synthesis of functionalized pyrimidines using ionic liquid. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 582-585.	1.4	11
75	Microwave-assisted expeditious synthesis of novel benzo[<i>b</i>][1,8]naphthyridine- <i>3</i> -carbonitriles. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 397-402.	1.4	4
76	Ionic liquid/potassium hydroxide catalyzed solvent-free, one-pot synthesis of diarylglycolic acids from aromatic aldehydes under microwave. <i>Tetrahedron Letters</i> , 2011, 52, 2419-2422.	0.7	13
77	An Efficient Phosphine-Free Heck Reaction in Water Using Pd(<i>l</i> -Proline) ₂ as the Catalyst Under Microwave Irradiation. <i>Synthesis</i> , 2011, 2011, 1125-1131.	1.2	10
78	Glycine-catalyzed easy and efficient one-pot synthesis of polyhydroquinolines through Hantzsch multicomponent condensation under controlled microwave. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 194-198.	1.4	24
79	An efficient protocol for multicomponent synthesis of spirooxindoles employing <i>l</i> -proline as catalyst at room temperature. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 1323-1327.	1.4	27
80	Microwave-Assisted Synthesis of Some Novel Thiazolidinone and Thiohydantoin Derivatives of Isatins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 2243-2248.	0.8	4
81	Superoxide Ion-Promoted Facile One-Pot Synthesis of <i>O</i> -Alkyl- <i>S</i> -methyl Dithiocarbonates from Alcohol Under Mild Reaction Conditions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 186, 94-97.	0.8	2
82	Microwave-assisted, one-pot multicomponent synthesis of highly substituted pyridines of medicinal utility using KF/alumina. <i>Arkivoc</i> , 2010, 2009, 153-160.	0.3	41
83	An expeditious synthesis of novel pyranopyridine derivatives involving chromenes under controlled microwave irradiation. <i>Arkivoc</i> , 2010, 2010, 305-317.	0.3	68
84	Microwave-assisted, solvent-free synthesis of 3-(<i>aryl/heteroaryl</i>)-1-(<i>morpholinomethyl</i> /piperidinomethyl)spiro[3- <i>H</i>]-indole- <i>2,2</i> -(<i>thiazolidine</i>)- <i>2,4</i> -(1- <i>H</i>)-diones via isatinimines. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 49-53.	1.4	11
85	An Efficient and Mild Deprotection of 1,3-Oxathiolanes to Carbonyl Compounds Using the Superoxide Ion. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 2339-2343.	0.8	4
86	Mild and Convenient Synthesis of Organic Carbamates from Amines and Carbon Dioxide using Tetraethylammonium Superoxide. <i>Synthetic Communications</i> , 2007, 37, 2651-2654.	1.1	27
87	Mild and Efficient Method for Oxidative Deprotection of Trimethylsilyl Ethers Mediated by Tetraethylammonium Superoxide. <i>Synthetic Communications</i> , 2007, 37, 1371-1374.	1.1	5
88	Superoxide-Mediated Regioselective Deblocking of the Tosyl Group from <i>N</i> -Tosylcarboxamides. <i>Synthetic Communications</i> , 2006, 36, 3075-3078.	1.1	4
89	Superoxide-Mediated Synthesis of <i>N</i> -Aminoaziridines from <i>N</i> -Aminoheterocycles and Olefins. <i>Synthetic Communications</i> , 2005, 35, 2597-2602.	1.1	13
90	Superoxide Ion Induced Oxidation of β -Lactones to β -Ketocarboxylic Acids. <i>Synthetic Communications</i> , 2004, 34, 4471-4475.	1.1	12

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91	Anticonvulsant activity of Schiff bases of isatin derivatives. Acta Pharmaceutica, 2004, 54, 49-56.	0.9	211
92	Oxidative Cleavage of Chalcones by Electrochemically Generated Superoxide Ion (O ₂ ^{•-}). Bulletin of the Chemical Society of Japan, 1991, 64, 2599-2601.	2.0	4
93	Domino Reaction of Isatins with Oxoketene, S-acetals: An Efficient Synthesis of Pyrrolo[3,4-c]quinoline-1,3-diones and 2,3-dihydro-pyrrolo[3,4-c]quinolin-1-ones. Asian Journal of Organic Chemistry, 0, , .		1
94	Iodine Catalyzed Sulfonylation of Sodium Sulfinates using Arenediazonium Tetrafluoroborate/CS ₂ Combination. Asian Journal of Organic Chemistry, 0, , .	1.3	0