

# Akhila K Sahoo

## List of Publications by Year in descending order

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68  
papers

3,396  
citations

126907

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144013

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74  
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74  
docs citations

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times ranked

2476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Access to Benzo[ <i>b</i> ]furans through Palladium-Catalyzed Oxidative Annulation of Phenols and Unactivated Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4607-4612.	13.8	189
2	Reusable directing groups [8-aminoquinoline, picolinamide, sulfoximine] in C(sp <sup>3</sup> )-H bond activation: present and future. <i>Tetrahedron</i> , 2015, 71, 4450-4459.	1.9	182
3	Sulfoximine Directed Intermolecular <i>ortho</i> -C-H Amidation of Arenes with Sulfonyl Azides. <i>Organic Letters</i> , 2013, 15, 1638-1641.	4.6	168
4	Sulfoximines: A Reusable Directing Group for Chemo- and Regioselective <i>ortho</i> -C-H Oxidation of Arenes. <i>Chemistry - A European Journal</i> , 2012, 18, 5541-5545.	3.3	135
5	Gold-Catalyzed Regioselective Hydration of Propargyl Acetates Assisted by a Neighboring Carbonyl Group: Access to $\pm$ -Acyloxy Methyl Ketones and Synthesis of ( $\pm$ )-Actinopolymorphol B. <i>Journal of Organic Chemistry</i> , 2011, 76, 500-511.	3.2	129
6	Ru(ii)-catalyzed intermolecular <i>ortho</i> -C-H amidation of aromatic ketones with sulfonyl azides. <i>Chemical Communications</i> , 2013, 49, 5225.	4.1	124
7	Ruthenium-Catalyzed Hydroarylation and One-Pot Twofold Unsymmetrical C-H Functionalization of Arenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7821-7825.	13.8	114
8	Reusable and Removable Directing Groups for C(sp <sup>2</sup> )-H Bond Functionalization of Arenes. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 846-864.	2.7	113
9	Sulfoximine-Directed Ruthenium-Catalyzed <i>ortho</i> -C-H Alkenylation of (Hetero)Arenes: Synthesis of EP3 Receptor Antagonist Analogue. <i>Journal of Organic Chemistry</i> , 2014, 79, 6123-6134.	3.2	111
10	Sulfoximine Assisted Pd(II)-Catalyzed Bromination and Chlorination of Primary $\hat{I}^2$ -C(sp <sup>3</sup> )-H Bond. <i>Organic Letters</i> , 2014, 16, 5258-5261.	4.6	105
11	Gold-Catalyzed Intermolecular Hydrophenoxylation of Unactivated Internal Alkynes. <i>Journal of Organic Chemistry</i> , 2010, 75, 2247-2258.	3.2	90
12	Pd(II)-Catalyzed <i>ortho</i> -C-H Oxidation of Arylacetic Acid Derivatives: Synthesis of Benzofuranones. <i>Organic Letters</i> , 2014, 16, 968-971.	4.6	78
13	Gold(I)-Catalyzed <i>endo</i> -Dig Hydrative Cyclization of an Alkyne-Tethered Ynamide: Access to 1,6-Dihydropyridin-2(3H)-ones. <i>Chemistry - A European Journal</i> , 2013, 19, 9428-9433.	3.3	76
14	Cyclization and Cycloisomerization of $\hat{I}^2$ -Tethered Ynamides: An Expedient Synthetic Method to Construct Carbo- and Heterocycles. <i>Synlett</i> , 2017, 28, 2539-2555.	1.8	70
15	Ruthenium-Catalyzed <i>ortho</i> -C-H Mono- and Di-imidation of Arenes with <i>N</i> -Tosyloxyphthalimide. <i>Organic Letters</i> , 2015, 17, 1886-1889.	4.6	69
16	Alkyne Versus Ynamide Reactivity: Regioselective Radical Cyclization of Yne-Ynamides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2289-2294.	13.8	69
17	Umpolung Reactivity of Ynamides: An Unconventional [1,3]-Sulfonyl and [1,5]-Sulfinyl Migration Cascade. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2365-2370.	13.8	67
18	Synthesis of Thermally Stable Energetic 1,2,3-Triazole Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 509-518.	3.3	58

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19	C=C-H imidation: a distinct perspective of C=N bond formation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1282-1293.	2.8	55
20	Ru-Catalyzed One-Pot Diannulation of Heteroaryls: Direct Access to $\pi$ -Conjugated Polycyclic Amides. <i>Organic Letters</i> , 2016, 18, 6416-6419.	4.6	54
21	Gold-Catalyzed <i>syn</i> -1,2-Difunctionalization of Ynamides via Nitrile Activation. <i>Organic Letters</i> , 2018, 20, 8077-8081.	4.6	52
22	Access to Cyclobutene-Fused Azepines through Au-Catalyzed Cycloisomerization of Stable Alkyne Tethered Ketene C=N,N-Acetals. <i>Organic Letters</i> , 2014, 16, 2996-2999.	4.6	51
23	An Orchestrated Unsymmetrical Annulation Episode of C(sp <sup>2</sup> )-C-H Bonds with Alkynes and Quinones: Access to Spiro-isoquinolones. <i>Organic Letters</i> , 2018, 20, 1914-1918.	4.6	49
24	<i>p</i> -TsOH Promoted Au(I)-Catalyzed Consecutive Endo Cyclization of Yne-Tethered Ynamide: Access to Benzofused Dihydroisoquinolones. <i>Organic Letters</i> , 2015, 17, 5662-5665.	4.6	47
25	Transformable Sulfoximine Assisted One-Pot Double Annulation of Vinylic C-H Bonds with Unactivated Alkynes. <i>Organic Letters</i> , 2017, 19, 5665-5668.	4.6	47
26	One-Pot Unsymmetrical {[4 + 2] and [4 + 2]} Double Annulations of <i>o</i> -C=C-H Bonds of Arenes: Access to Unusual Pyranoisoquinolines. <i>Organic Letters</i> , 2018, 20, 5144-5148.	4.6	43
27	Keteniminium-Driven Umpolung Difunctionalization of Ynamides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10785-10790.	13.8	43
28	Triazole-Substituted Nitroarene Derivatives: Synthesis, Characterization, and Energetic Studies. <i>Chemistry - an Asian Journal</i> , 2014, 9, 166-178.	3.3	41
29	Gold-catalyzed cyclization and cycloisomerization of yne-tethered ynamide: the significance of a masked enol-equivalent of an amide. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 803-807.	2.8	41
30	Synthetic manifestation of nitro substituted tetrazole-N-(hetero)aryl derivatives and energetic studies. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7366-7371.	10.3	39
31	Sulfoximine-Assisted One-Pot Unsymmetrical Multiple Annulation of Arenes: A Combined Experimental and Computational Study. <i>Journal of Organic Chemistry</i> , 2018, 83, 9667-9681.	3.2	39
32	Regioselective Synthesis of 2,4,5-Trisubstituted Oxazoles and Ketene Aminals via Hydroamidation and Iodo-Imidation of Ynamides. <i>Journal of Organic Chemistry</i> , 2017, 82, 10583-10594.	3.2	38
33	Multiple annulations of inert C(sp <sup>2</sup> )-C-H bonds with alkynes. <i>Chemical Communications</i> , 2022, 58, 4561-4587.	4.1	36
34	Ruthenium-Catalyzed Intramolecular Hydroarylation of Arenes and Mechanistic Study: Synthesis of Dihydrobenzofurans, Indolines, and Chromans. <i>Journal of Organic Chemistry</i> , 2016, 81, 8552-8560.	3.2	32
35	Directing Group Assisted Unsymmetrical Multiple Functionalization of Arene C-H Bonds. <i>Chemical Record</i> , 2020, 20, 1017-1042.	5.8	31
36	Double annulation of ortho- and peri-C-H bonds of fused (hetero)arenes to unusual oxepino-pyridines. <i>Chemical Science</i> , 2020, 11, 10770-10777.	7.4	31

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37	Gold-catalyzed Transformation of Ynamides. <i>Chemical Record</i> , 2021, 21, 4123-4149.	5.8	30
38	Ruthenium-catalyzed Hydroarylation and One-pot Twofold Unsymmetrical C-H Functionalization of Arenes. <i>Angewandte Chemie</i> , 2016, 128, 7952-7956.	2.0	29
39	Synthesis of trifluoromethyl-substituted N-aryl-poly-1,2,3-triazole derivatives. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7917.	10.3	28
40	Dimethyl Sulfoxide and N-Iodosuccinimide Promoted 5-exo-dig Oxidative Cyclization of Yne-Tethered Ynamide: Access to Pyrrolidones and Spiro-pyrrolidones. <i>Organic Letters</i> , 2016, 18, 3066-3069.	4.6	28
41	Triphenylphosphine promoted regio and stereoselective $\hat{I}$ -halogenation of ynamides. <i>Organic Chemistry Frontiers</i> , 2016, 3, 110-115.	4.5	26
42	Silver-mediated oxidative annulation of N-arylthio succinimides with alkynes: direct access to benzo[b]thiophenes. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1126-1130.	4.5	24
43	An unconventional sulfur-to-selenium-to-carbon radical transfer: chemo- and regioselective cyclization of yne-ynamides. <i>Green Chemistry</i> , 2020, 22, 1113-1118.	9.0	23
44	Harnessing sulfur and nitrogen in the cobalt-catalyzed unsymmetrical double annulation of thioamides: probing the origin of chemo- and regio-selectivity. <i>Chemical Science</i> , 2021, 12, 6393-6405.	7.4	23
45	Kinetic resolution of sulfur-stereogenic sulfoximines by Pd-catalyzed MPA catalyzed C-H arylation and olefination. <i>Chemical Science</i> , 2021, 12, 14863-14870.	7.4	22
46	Thermal stability study of nitro-rich triazole derivatives using temperature dependent time resolved pulsed photoacoustic (PA) technique. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 109, 132-139.	5.5	21
47	Enantioselective Gold(I)-Catalyzed Hydrative Cyclizations of <i>N</i> -Propargyl-ynamides into 3,6-Dihydropyridinones. <i>Organic Letters</i> , 2019, 21, 9281-9285.	4.6	21
48	Construction of Pyranoisoquinolines via Ru(II)-Catalyzed Unsymmetrical Double Annulation of <i>N</i> -Methoxybenzamides with Unactivated Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 13033-13044.	3.2	20
49	Ring Expansion and 1,2-Migration Cascade of Benzisoxazoles with Ynamides: Experimental and Theoretical Studies. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4828-4836.	3.3	20
50	Cationic-palladium catalyzed regio- and stereoselective syn-1,2-dicarbonyl functionalization of unsymmetrical internal alkynes. <i>Nature Communications</i> , 2022, 13, 1360.	12.8	19
51	Ruthenium-catalyzed Intramolecular Hydroarylation of Arenes with Olefins in Water. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1380-1384.	2.7	18
52	Sulfoximine-Assisted Unsymmetrical Twofold C-H Functionalization of Arenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 8618-8626.	3.2	18
53	$AlCl_3$ -catalyzed Intermolecular Annulation of Thiol Derivatives and Alkynes by 1,2-Sulfur Migration: Construction of 6-Substituted Benzo[b]thiophenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4405-4413.	2.4	16
54	Thioarylate Radical Cyclization of Yne-Dienone. <i>Journal of Organic Chemistry</i> , 2019, 84, 10509-10517.	3.2	15

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55	Gold-Catalyzed Regioselective Tetradehydro-Diels-Alder Reaction of Ynamides: Access to 2,3-Dihydrobenzo[ <i>b</i> ]indoles. Asian Journal of Organic Chemistry, 2019, 8, 1128-1132.	2.7	14
56	Keteniminium-Driven Umpolung Difunctionalization of Ynamides. Angewandte Chemie, 2020, 132, 10877-10882.	2.0	14
57	Time-Domain Terahertz Spectroscopy and Density Functional Theory Studies of Nitro/Nitrogen-Rich Aryl-Tetrazole Derivatives. ACS Omega, 2020, 5, 2541-2551.	3.5	14
58	Synthesis, Characterization, and Energetic Studies of Polynitro Aryl-1,2,3,4-Triazoles. Asian Journal of Organic Chemistry, 2016, 5, 138-146.	2.7	13
59	Umpolung Reactivity of Ynamides: An Unconventional [1,3]-Sulfonyl and [1,5]-Sulfinyl Migration Cascade. Angewandte Chemie, 2019, 131, 2387-2392.	2.0	13
60	Yb( <i>scp</i> )-catalysed <i>syn</i> -thioallylation of ynamides. Chemical Communications, 2021, 57, 7521-7524.	4.1	12
61	Alkyne Versus Ynamide Reactivity: Regioselective Radical Cyclization of Ynamides. Angewandte Chemie, 2019, 131, 2311-2316.	2.0	11
62	Palladium-Catalyzed Regioselective Arylalkenylation of Ynamides. Organic Letters, 2022, 24, 1524-1529.	4.6	11
63	Sulfur and Nitrogen Modulated One-Pot Double Annulation of Arenes. Journal of Organic Chemistry, 2021, 86, 14942-14955.	3.2	10
64	Polynitro-N-aryl-C-nitro-pyrazole/imidazole Derivatives: Thermally Stable-Insensitive Energetic Materials. Journal of Organic Chemistry, 2022, 87, 7202-7212.	3.2	10
65	Ag(I)-Catalyzed Cycloisomerization and Cyclization of Ketene Aminals: Construction of Azepine and 1,2-Dihydropyridine Derivatives. Synthesis, 2017, 49, 4261-4271.	2.3	8
66	Lewis Acid-Driven Meyer-Schuster-Type Rearrangement of Yne-Dienone. Journal of Organic Chemistry, 2021, 86, 7059-7068.	3.2	3
67	Keteniminium Induced Dienone-Phenol Rearrangement and Intramolecular 6-endo-dig Cyclization Cascade of Yne-Dienone. Helvetica Chimica Acta, 0, , .	1.6	3
68	Synthesis and energetic properties of polynitro aryl-azole derivatives. Journal of Physics: Conference Series, 2021, 1721, 012007.	0.4	0