

# Yogesh Kumar

## List of Publications by Year in descending order

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43  
papers

1,246  
citations

304743

22  
h-index

377865

34  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1112  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Catalysis in Glycosidation Reactions with <i>O</i> -Glycosyl Trichloroacetimidates as Glycosyl Donors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10089-10092.	13.8	117
2	BF <sub>3</sub> ·OEt <sub>2</sub> -Mediated Highly Regioselective S <sub>N</sub> 2-Type Ring-Opening of <i>N</i> -Activated Aziridines and <i>N</i> -Activated Azetidines by Tetraalkylammonium Halides. <i>Journal of Organic Chemistry</i> , 2010, 75, 137-151.	3.2	112
3	Glycoside Bond Formation via Acid-Base Catalysis. <i>Organic Letters</i> , 2011, 13, 3612-3615.	4.6	81
4	Total Synthesis of (+)-Swainsonine and Other Indolizidine Azasugars from D-Glucose. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4972-4980.	2.4	49
5	New Method for Chloroamidation of Olefins. Application in the Synthesis of N-Glycopeptides and Anticancer Agents. <i>Organic Letters</i> , 2007, 9, 5171-5174.	4.6	47
6	Copper(II)-Mediated Aerobic Oxidation of Benzylimidates: Synthesis of Primary $\alpha$ -Ketoamides. <i>Journal of Organic Chemistry</i> , 2016, 81, 6617-6625.	3.2	45
7	Simple Synthesis of Amides and Weinreb Amides Using PPh <sub>3</sub> or Polymer-Supported PPh <sub>3</sub> and Iodine. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2709-2715.	2.4	42
8	Disaccharide-Containing Macrocycles by Click Chemistry and Intramolecular Glycosylation. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2945-2956.	2.4	41
9	Copper(II)-Catalyzed Benzylic C(sp <sup>3</sup> )-H Aerobic Oxidation of (Hetero)Aryl Acetimidates: Synthesis of Aryl- $\alpha$ -ketoesters. <i>Journal of Organic Chemistry</i> , 2016, 81, 12247-12257.	3.2	40
10	Primary Amide Directed Regioselective <i>ortho</i> -C-H-Arylation of (Aryl)Acetamides. <i>Journal of Organic Chemistry</i> , 2016, 81, 12499-12505.	3.2	38
11	Silicon Fluorides for Acid-Base Catalysis in Glycosidations. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1489-1499.	4.3	37
12	Synthesis of Glycosylthiols and Reactivity Studies. <i>Journal of Organic Chemistry</i> , 2011, 76, 7539-7545.	3.2	36
13	Palladium-Catalyzed Regioselective C-H Alkenylation of Arylacetamides via Distal Weakly Coordinating Primary Amides as Directing Groups. <i>Journal of Organic Chemistry</i> , 2018, 83, 1223-1231.	3.2	34
14	Visible-Light-Mediated Remote $\beta$ -C(sp <sup>3</sup> )-H Functionalization of Alkylimidates: Synthesis of 4-Iodo-3,4-dihydropyrrole Derivatives. <i>Organic Letters</i> , 2018, 20, 4964-4969.	4.6	33
15	Synthesis of hybrids of d-glucose and d-galactose with 1-deoxynojirimycin analogues using ring-closing metathesis. <i>Tetrahedron</i> , 2008, 64, 2379-2390.	1.9	30
16	Imidates: an emerging synthon for N-heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9829-9843.	2.8	30
17	Gold(III)-Catalyzed Glycosylation using Phenylpropionate Glycosides: Phenylpropionic Acid, An Easily Separable and Reusable Leaving Group. <i>Journal of Organic Chemistry</i> , 2019, 84, 589-605.	3.2	30
18	Nafion-H mediated selective deprotection of terminal isopropylidene acetals and trityl ethers. Application in the synthesis of a substituted piperidone. <i>Tetrahedron Letters</i> , 2006, 47, 9117-9120.	1.4	29

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19	Synthesis of fused pyran-carbahexopyranoses as glycosidase inhibitors. <i>Carbohydrate Research</i> , 2009, 344, 606-612.	2.3	29
20	Electron-deficient pyridinium salts/thiourea cooperative catalyzed <i>O</i> -glycosylation via activation of <i>O</i> -glycosyl trichloroacetimidate donors. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2385-2395.	2.2	26
21	Visible-Light-Mediated $^{12}\text{C}(\text{sp}^3)\text{-}^1\text{H}$ Amination of Glycosylimidates: En Route to Oxazoline-Fused/Spiro Nonclassical Bicyclic Sugars. <i>Organic Letters</i> , 2019, 21, 3108-3113.	4.6	26
22	Stereoselective synthesis of muco-quercitol, (+)-gala-quercitol and 5-amino-5-deoxy-d-vibo-quercitol from d-mannitol. <i>Tetrahedron</i> , 2008, 64, 9117-9122.	1.9	25
23	One-Pot Synthesis of Orange-Red Fluorescent Dimeric 2 <i>H</i> -Pyrrolo[2,3- <i>c</i> ]isoquinoline-2,5(3 <i>H</i> )-diones from Benzamides and Maleimides via Ru(II)-Catalyzed Sequential $\text{C-C/N-C}$ Bond Formation. <i>Organic Letters</i> , 2020, 22, 1605-1610.	4.6	24
24	Rapid synthesis of polysubstituted phenanthridines from simple aliphatic/aromatic nitriles and iodo arenes <i>via</i> Pd( <i>sc</i> ) catalyzed domino $\text{C-C/C-N}$ bond formation. <i>Chemical Communications</i> , 2018, 54, 7207-7210.	4.1	23
25	Reversal of Anomeric Selectivity with <i>O</i> -Glycosyl Trichloroacetimidates as Glycosyl Donors and Thiols as Acceptors Under Acid/Base Catalysis. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2715-2719.	2.4	20
26	Intramolecular Glycosidation by Click Reaction Mediated Spacer Generation Followed by Spacer Cleavage. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6846-6851.	2.4	17
27	Two-Step One-Pot Synthesis of Unsymmetrical (Hetero)Aryl 1,2-Diketones by Addition-Oxygenation of Potassium Aryltrifluoroborates to (Hetero)Arylacetonitriles. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 494-505.	2.4	14
28	Additive-Free Gold(III)-Catalyzed Stereoselective Synthesis of 2-Deoxyglycosides Using Phenylpropionate Glycosides as Donors. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4651-4658.	3.3	14
29	Mild and Efficient Chemoselective Deprotection of Anomeric <i>O</i> -Methyl Glycosides with Trityl Tetrafluoroborate. <i>Journal of Organic Chemistry</i> , 2008, 73, 5993-5995.	3.2	13
30	The palladium( <i>sc</i> )-catalyzed regioselective <i>ortho</i> - $\text{C-H}$ bromination/iodination of arylacetamides with <i>in situ</i> generated imidic acid as the directing group: mechanistic exploration. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6809-6820.	2.8	13
31	Synthesis of 1,4-dideoxy-1,4-iminoheptitol and 1,5-dideoxy-1,5-iminooctitols from d-xylose. <i>Carbohydrate Research</i> , 2010, 345, 1142-1148.	2.3	12
32	Cyanomethyl Ether as an Orthogonal Participating Group for Stereoselective Synthesis of 1,2- <i>trans</i> - $^{12}\text{-}^1\text{O}$ -Glycosides. <i>Journal of Organic Chemistry</i> , 2020, 85, 9955-9968.	3.2	11
33	Pd(II)-Catalyzed One-Pot Multiple $\text{C-C}$ Bond Formation: En Route Synthesis of Succinimide-Fused Unsymmetrical 9,10-Dihydrophenanthrenes from Aryl Iodides and Maleimides. <i>Organic Letters</i> , 2020, 22, 1908-1913.	4.6	11
34	Primary amides: Sustainable weakly coordinating groups in transition metal-catalyzed $\text{C-H}$ bond functionalization reactions. <i>Tetrahedron</i> , 2021, 93, 132313.	1.9	11
35	Metal-Free Catalyst-Controlled Chemoselective Synthesis of Aryl $^{1\pm}$ -Ketoesters and Primary $^{1\pm}$ -Ketoamides from Aryl Acetimidates. <i>ChemistrySelect</i> , 2017, 2, 6143-6148.	1.5	10
36	Acid-promoted palladium(II)-catalyzed <i>ortho</i> -halogenation of primary benzamides: En route to halo-arenes. <i>Catalysis Communications</i> , 2019, 131, 105784.	3.3	10

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37	Ru(II)-Catalyzed Controlled Cross-Dehydrogenative Coupling of Benzamides with Activated Olefins via Weakly Coordinating Primary Amides. <i>Journal of Organic Chemistry</i> , 2021, 86, 9744-9754.	3.2	10
38	Synthesis of $N,N,N',N'$ -Dialkyladenine Nucleosides Using Hexaalkylphosphorus Triamides Produced in Situ. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 152-159.	2.4	9
39	Expanding the Utility of Inexpensive Pyridine $N$ -oxide Directing Group for the Site-selective $sp^2/sp^3$ $^{13}C$ and $sp^2$ $^{17}O$ Functionalization of Carboxamides. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	9
40	$S_N2$ -type ring opening of substituted- $N$ -tosylaziridines with zinc (II) halides: Control of racemization by quaternary ammonium salt. <i>Journal of Chemical Sciences</i> , 2011, 123, 951-961.	1.5	7
41	A Straightforward Synthesis of $\alpha$ -Amino Diaryl Ketones from (Hetero)Arylacetonitriles Promoted by $N$ -Bromosuccinimide. <i>ChemistrySelect</i> , 2018, 3, 5614-5619.	1.5	5
42	$O$ -Cyanobenzoate: A Recyclable and Reusable Stereo-directing Group for $^{18}O$ -Glycosylation via Pd(0)-catalyzed Ferrier Rearrangement. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	5
43	Acid-Base Catalysis Concept in Glycosidation. , 2015, , 295-303.		0