

Laxmidhar Rout

List of Publications by Year in descending order

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32
papers

2,648
citations

331670

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395702

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docs citations

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times ranked

2853
citing authors

#	ARTICLE	IF	CITATIONS
1	CuO Nanoparticles Catalyzed C [^] N, C [^] O, and C [^] S Cross-Coupling Reactions: Scope and Mechanism. <i>Journal of Organic Chemistry</i> , 2009, 74, 1971-1976.	3.2	348
2	Efficient CuO-Nanoparticle-Catalyzed C [^] S Cross-Coupling of Thiols with Iodobenzene. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5583-5586.	13.8	312
3	Recent advances in copper-catalyzed oxidation of organic compounds. <i>Coordination Chemistry Reviews</i> , 2008, 252, 134-154.	18.8	303
4	Novel CuO Nanoparticle Catalyzed C [^] N Cross Coupling of Amines with Iodobenzene. <i>Organic Letters</i> , 2007, 9, 3397-3399.	4.6	239
5	Efficient ligand-free nickel-catalyzed C [^] S cross-coupling of thiols with aryl iodides. <i>Tetrahedron Letters</i> , 2008, 49, 1484-1487.	1.4	194
6	Activation of a carbonyl compound by halogen bonding. <i>Chemical Communications</i> , 2014, 50, 6281.	4.1	194
7	Isothermal Calorimetric Titrations on Charge-Assisted Halogen Bonds: Role of Entropy, Counterions, Solvent, and Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 8507-8512.	13.7	149
8	Efficient Copper(I)-Catalyzed C [^] S Cross Coupling of Thiols with Aryl Halides in Water. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 640-643.	2.4	136
9	5-Iodo-1,2,3-triazolium-based multidentate halogen-bond donors as activating reagents. <i>Chemical Communications</i> , 2012, 48, 9299.	4.1	115
10	Chemotherapeutic efficacy of curcumin and resveratrol against cancer: Chemoprevention, chemoprotection, drug synergism and clinical pharmacokinetics. <i>Seminars in Cancer Biology</i> , 2021, 73, 310-320.	9.6	81
11	Allene Carboxylates as Dipolarophiles in Rh [^] -Catalyzed Carbonyl Ylide Cycloadditions. <i>Chemistry - A European Journal</i> , 2009, 15, 12926-12928.	3.3	60
12	Silica-Supported Vanadium-Catalyzed N-Oxidation of Tertiary Amines with Aqueous Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1958-1960.	4.3	47
13	Synthesis, Structure, and Application of Self-Assembled Copper(II) Aqua Complex by H [^] Bonding for Acceleration of the Nitroaldol Reaction on Water. <i>Chemistry - an Asian Journal</i> , 2009, 4, 314-320.	3.3	45
14	Recent advances in transition-metal-mediated C [^] -B and C [^] -P cross-coupling reactions. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213675.	18.8	44
15	Vanadium-Catalyzed Selective Oxidation of Alcohols to Aldehydes and Ketones with tert-Butyl Hydroperoxide. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 846-848.	4.3	43
16	Organocatalytic Highly Enantioselective Synthesis of α -Formyl- β -hydroxyphosphonates. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1729-1734.	4.3	42
17	Cadmium(II)-Catalyzed C [^] N Cross-Coupling of Amines with Aryl Iodides. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 395-398.	4.3	34
18	Synthesis, Structure and Application of Chiral Copper(II) Coordination Polymers for Asymmetric Acylation. <i>Inorganic Chemistry</i> , 2008, 47, 5093-5098.	4.0	30

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19	Multidentate Halogen-Bond Donors as Lewis Acidic Activators or Catalysts in Halide Abstraction Reactions. <i>Synlett</i> , 2013, 24, 2624-2628.	1.8	24
20	Chiral linear polymers bonded alternatively with salen and 1,4-dialkoxy-2,6-diethynylbenzene: synthesis and application to diethylzinc addition to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2016-2020.	1.8	23
21	Synthesis of β -Arylphosphonates using Copper-Catalyzed β -Arylation and Deacylative β -Arylation of α -Ketophosphonates. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3340-3346.	4.3	21
22	CuMoO ₄ Bimetallic Nanoparticles, An Efficient Catalyst for Room Temperature C-S Cross-Coupling of Thiols and Haloarenes. <i>Chemistry - A European Journal</i> , 2020, 26, 620-624.	3.3	19
23	Metal-Free Activation of a C(sp) ³ H Bond of Aryl Acetylenes. <i>Chemistry - A European Journal</i> , 2016, 22, 14812-14815.	3.3	16
24	Recyclable bimetallic CuMoO ₄ nanoparticles for C-N cross-coupling reaction under mild conditions. <i>New Journal of Chemistry</i> , 2019, 43, 19274-19278.	2.8	16
25	Bimetallic BaMoO ₄ nanoparticles for the C-S cross-coupling of thiols with haloarenes. <i>New Journal of Chemistry</i> , 2020, 44, 2500-2504.	2.8	14
26	Metal-Free Activation of C(sp ³) ³ H Bond, and a Practical and Rapid Synthesis of Privileged 1-Substituted 1,2,3,4-Tetrahydroisoquinolines. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5275-5292.	2.4	11
27	Recent advances in [3+2] cycloaddition of allenes with 1,3-carbonyl ylides; Rh(η^5 -catalyzed access to bridged polyoxocarbocycles. <i>New Journal of Chemistry</i> , 2021, 45, 11018-11029.	2.8	10
28	Synthesis of Acyl Derivatives of Cotarnine. <i>Organic Syntheses</i> , 0, 95, 455-471.	1.0	10
29	Strategy and Problems for Synthesis of Antimalaria Artemisinin (Qinghaosu). <i>ChemistrySelect</i> , 2020, 5, 12333-12344.	1.5	7
30	Oxygen Bridged Bimetallic CuMoO ₄ Nanocatalyst for Benzylic Alcohol Oxidation; Mechanism and DFT Study. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1117-1122.	2.7	7
31	An oxygen-bridged bimetallic [Cu-O-Se] catalyst for Sonogashira cross-coupling. <i>New Journal of Chemistry</i> , 2022, 46, 1650-1657.	2.8	6
32	The dehydrogenative oxidation of aryl methanols using an oxygen bridged [Cu-O-Se] bimetallic catalyst. <i>New Journal of Chemistry</i> , 2021, 45, 5775-5779.	2.8	3