

Lokman H Choudhury

List of Publications by Year in descending order

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69
papers

2,331
citations

147801

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233421

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95
all docs

95
docs citations

95
times ranked

1978
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Substituents in the $\hat{1}$ -Position of 1,3-Dicarbonyl Compounds in Bromodimethylsulfonium Bromide-Catalyzed Multicomponent Reactions: A Facile Access to Functionalized Piperidines. <i>Journal of Organic Chemistry</i> , 2008, 73, 8398-8402.	3.2	158
2	Recent advances in the chemistry of imine-based multicomponent reactions (MCRs). <i>Tetrahedron</i> , 2011, 67, 8213-8228.	1.9	147
3	Recent applications of thiourea-based organocatalysts in asymmetric multicomponent reactions (AMCRs). <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5513-5532.	2.8	93
4	A Mild and Regioselective Method for $\hat{1}$ -Bromination of $\hat{1}$ -Keto Esters and 1,3-Diketones Using Bromodimethylsulfonium Bromide (BDMS). <i>Journal of Organic Chemistry</i> , 2006, 71, 8961-8963.	3.2	76
5	$\text{CeCl}_3 \cdot 7\text{H}_2\text{O}$: an efficient and reusable catalyst for the preparation of $\hat{1}$ -acetamido carbonyl compounds by multi-component reactions (MCRs). <i>Tetrahedron Letters</i> , 2006, 47, 8137-8141.	1.4	67
6	A Simple and Convenient One-Pot Synthesis of Benzimidazole Derivatives Using Cobalt(II) Chloride Hexahydrate as Catalyst. <i>Synthetic Communications</i> , 2009, 39, 2339-2346.	2.1	67
7	Recent advances in the application of bromodimethylsulfonium bromide (BDMS) in organic synthesis. <i>Tetrahedron</i> , 2009, 65, 9513-9526.	1.9	62
8	Perchloric Acid Impregnated on Silica Gel ($\text{HClO}_4/\text{SiO}_2$): A Versatile Catalyst for Michael Addition of Thiols to the Electron-Deficient Alkenes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2226-2231.	2.4	61
9	Iron(III) chloride-catalyzed convenient one-pot synthesis of $\hat{1}$ -acetamido carbonyl compounds. <i>Tetrahedron</i> , 2007, 63, 5593-5601.	1.9	57
10	A mild and environmentally acceptable synthetic protocol for chemoselective $\hat{1}$ -bromination of $\hat{1}$ -keto esters and 1,3-diketones. <i>Tetrahedron Letters</i> , 2006, 47, 2751-2754.	1.4	53
11	A simple and efficient method for the facile access of highly functionalized pyridines and their fluorescence property studies. <i>RSC Advances</i> , 2012, 2, 12305.	3.6	52
12	Silica supported perchloric acid ($\text{HClO}_4\text{-SiO}_2$): A highly efficient and reusable catalyst for geminal diacylation of aldehydes under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , 2006, 255, 230-235.	4.8	50
13	Cupric sulfate pentahydrate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$): a mild and efficient catalyst for tetrahydropyranlation/depyranlation of alcohols and phenols. <i>Tetrahedron Letters</i> , 2004, 45, 7891-7894.	1.4	49
14	On-water-synthesis of novel trisubstituted 1,3-thiazoles via microwave-assisted catalyst-free domino reactions. <i>RSC Advances</i> , 2014, 4, 37889-37899.	3.6	47
15	VCl_3 catalyzed imine-based multicomponent reactions for the facile access of functionalized tetrahydropyridines and $\hat{1}$ -amino carbonyls. <i>Molecular Diversity</i> , 2012, 16, 129-143.	3.9	46
16	Multicomponent Reactions of Arylglyoxal, 4-Hydroxycoumarin, and Cyclic 1,3-Binucleophiles: Binucleophile-Directed Synthesis of Fused Five- and Six-Membered Heterocycles. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2789-2800.	2.4	45
17	Silica-Supported Perchloric Acid ($\text{HClO}_4\text{-SiO}_2$): A Versatile Catalyst for Tetrahydropyranlation, Oxathioacetalization and Thioacetalization. <i>Synthesis</i> , 2006, 2006, 2497-2502.	2.3	44
18	Synthesis of Pyrimidine Fused Quinolines by Ligand-Free Copper-Catalyzed Domino Reactions. <i>Journal of Organic Chemistry</i> , 2018, 83, 3624-3632.	3.2	44

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19	One pot four-component reaction for the efficient synthesis of spiro[indoline-3,4- π^2 -pyrano[2,3-c]pyrazole]-3- π^2 -carboxylate derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 5434-5440.	1.4	43
20	PEG-mediated one-pot multicomponent reactions for the efficient synthesis of functionalized dihydropyridines and their functional group dependent DNA cleavage activity. <i>Bioorganic Chemistry</i> , 2013, 48, 8-15.	4.1	43
21	Molecular iodine catalyzed one-pot multicomponent reactions for the synthesis of dihydrochromeno[4,3-b]pyrazolo[4,3-e]pyridin-6(7H)-ones. <i>RSC Advances</i> , 2013, 3, 15705.	3.6	38
22	Multicomponent reactions for facile access to coumarin-fused dihydroquinolines and quinolines: synthesis and photophysical studies. <i>New Journal of Chemistry</i> , 2014, 38, 4722-4729.	2.8	38
23	Hydrogen Peroxide-Mediated Rapid Room Temperature Metal-Free C(sp ²)-H Thiocyanation of Amino Pyrazoles, Amino Uracils, and Enamines. <i>Journal of Organic Chemistry</i> , 2020, 85, 13610-13620.	3.2	38
24	Acetyltriphenylphosphonium Bromide (ATPB): A Versatile Reagent for the Acylation of Alcohols, Phenols, Thiols and Amines and for 1,1-Diacylation of Aldehydes under Solvent-Free Conditions. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2782-2787.	2.4	37
25	Bromodimethylsulfonium bromide mediated Michael addition of amines to electron deficient alkenes. <i>Tetrahedron Letters</i> , 2007, 48, 3805-3808.	1.4	37
26	A simple synthetic protocol for oxidation of alkyl-arenes into ketones using a combination of HBrO ₂ . <i>Tetrahedron Letters</i> , 2007, 48, 2271-2274.	1.4	36
27	L-proline catalyzed multicomponent reactions: facile access to 2H-benzo[g]pyrazolo[3,4-b]quinoline-5,10(4H,11H)-dione derivatives. <i>RSC Advances</i> , 2014, 4, 15319-15324.	3.6	36
28	Synthesis of spirooxindoles fused with pyrazolo-tetrahydropyridinone and coumarin-dihydropyridine-pyrazole tetracycles by reaction medium dependent isatin-based multicomponent reactions. <i>New Journal of Chemistry</i> , 2019, 43, 2920-2932.	2.8	34
29	Intracellular application and logic gate behavior of a "turn off-on-off" type probe for selective detection of Al ³⁺ and F ⁻ ions in pure aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 881-894.	7.8	33
30	One-Pot Multicomponent Reactions for the Efficient Synthesis of Highly Functionalized Dihydropyridines. <i>Synthetic Communications</i> , 2013, 43, 986-992.	2.1	32
31	Microwave-assisted synthesis of novel 2,3-disubstituted imidazo[1,2-a]pyridines via one-pot three component reactions. <i>RSC Advances</i> , 2015, 5, 19724-19733.	3.6	32
32	Ultrasound assisted multicomponent reactions: a green method for the synthesis of highly functionalized selenopyridines using reusable polyethylene glycol as reaction medium. <i>RSC Advances</i> , 2015, 5, 22168-22172.	3.6	32
33	A catalytic amount of nickel(II) chloride hexahydrate and 1,2-ethanedithiol is a good combination for the cleavage of tetrahydropyranyl (THP) and tert-butyldimethylsilyl (TBS) ethers. <i>Tetrahedron Letters</i> , 2004, 45, 9617-9621.	1.4	31
34	Synthesis of fused pyrroles containing 4-hydroxycoumarins by regioselective metal-free multicomponent reactions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3289-3302.	2.8	31
35	Bromodimethylsulfonium Bromide Catalyzed Three-Component Mannich-Type Reactions. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 834-839.	2.4	30
36	Synthesis of Novel 5,6-Disubstituted Pyrrolo [2,3-d]Pyrimidine-2,4-Diones Via One-Pot Three-Component Reactions. <i>ACS Combinatorial Science</i> , 2017, 19, 108-112.	3.8	29

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37	I ₂ /DMSO mediated multicomponent reaction for the synthesis of 2-arylbenzo[<i>d</i>]imidazo[2,1- <i>b</i>]thiazole derivatives. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5316-5330.	2.8	29
38	Imidazole as organocatalyst for multicomponent reactions: diversity oriented synthesis of functionalized hetero- and carbocycles using in situ-generated benzylidenemalononitrile derivatives. <i>RSC Advances</i> , 2014, 4, 3750-3759.	3.6	27
39	Lemon juice mediated multicomponent reactions for the synthesis of fused imidazoles. <i>New Journal of Chemistry</i> , 2018, 42, 17909-17922.	2.8	27
40	Synthesis of novel spiro[indoline-3,7- π^2 -pyrrolo[1,2- <i>c</i>]imidazole]-6- π^2 -carbonitrile derivatives in water using a regioselective sequential three component reaction. <i>RSC Advances</i> , 2013, 3, 15576.	3.6	26
41	Synthesis of Pentasubstituted Pyrroles via Catalyst-Free Multicomponent Reactions. <i>Synlett</i> , 2014, 25, 1926-1936.	1.8	26
42	A Simple and Useful Synthetic Protocol for Selective Deprotection of tert-Butyldimethylsilyl (TBS) Ethers. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2198-2204.	2.4	25
43	Synthesis of Thio and Selenoethers of Cyclic β -Hydroxy Carbonyls and Amino Uracils: A Metal-Free Regioselective I ₂ /DMSO Mediated Reaction. <i>ChemistrySelect</i> , 2017, 2, 9420-9424.	1.5	24
44	Visible Light-Mediated C(sp ²)-H Selenylation of Amino Pyrazole and Amino Uracils in the Presence of Rose Bengal as an Organophotocatalyst. <i>Journal of Organic Chemistry</i> , 2022, 87, 1230-1239.	3.2	24
45	A Highly Efficient Synthetic Protocol for Tetrahydropyranlation/Depyranlation of Alcohols and Phenols. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4891-4896.	2.4	23
46	Catalyst-free microwave-assisted arylglyoxal-based multicomponent reactions for the synthesis of fused pyrans. <i>RSC Advances</i> , 2016, 6, 24464-24469.	3.6	20
47	A stereoselective cyclisation cascade mediated by SmI ₂ -H ₂ O: synthetic studies towards stolonidiol. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1246-1261.	1.8	19
48	Synthesis of pyranocoumarin fused spirooxindoles via Knoevenagel/Michael/cyclization sequence: a regioselective organocatalyzed multicomponent reaction. <i>Tetrahedron Letters</i> , 2015, 56, 359-364.	1.4	18
49	Molecular diversity from the three-component reaction of 2-hydroxy-1,4-naphthoquinone, aldehydes and 6-aminouracils: a reaction condition dependent MCR. <i>RSC Advances</i> , 2017, 7, 3928-3933.	3.6	18
50	One-pot synthesis of pyrimidine linked naphthoquinone-fused pyrroles by iodine-mediated multicomponent reactions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4997-5007.	2.8	18
51	Multicomponent synthesis of diphenyl-1,3-thiazole-barbituric acid hybrids and their fluorescence property studies. <i>New Journal of Chemistry</i> , 2020, 44, 4798-4811.	2.8	18
52	Aroyl hydrazone with large Stokes shift as a fluorescent probe for detection of Cu ²⁺ in pure aqueous medium and in vivo studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 395, 112501.	3.9	17
53	Recent Advances of Aminopyrimidines in Multicomponent Reactions. <i>Current Organic Chemistry</i> , 2018, 22, 417-445.	1.6	17
54	Bromodimethylsulfonium Bromide (BDMS): A Versatile Reagent in Organic Synthesis. <i>Synlett</i> , 2006, 2006, 1619-1620.	1.8	16

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55	A reversible and efficient probe for dual mode recognition of Al ³⁺ and Cu ²⁺ with logic gate behaviour: Crystal structure, theoretical and in-vivo bio-imaging investigations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120552.	3.9	13
56	Iodine-Catalyzed Multicomponent Synthesis of Highly Fluorescent Pyrimidine-Linked Imidazopyridines. <i>ACS Omega</i> , 2022, 7, 18660-18670.	3.5	13
57	Synthesis of novel coumarin containing conjugated fluorescent polymers by Suzuki cross-coupling reactions and their chemosensing studies for iron and mercury ions. <i>Polymer</i> , 2021, 218, 123415.	3.8	12
58	KF/Al ₂ O ₃ Mediated Multicomponent Reactions for the Efficient Synthesis of Highly Substituted Dihydropyridines. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, E156.	2.6	11
59	Cs ₂ CO ₃ -Mediated Rapid Room-Temperature Synthesis of 3-Amino-2-aryl Benzofurans and Their Copper-Catalyzed <i>N</i> -Arylation Reactions. <i>ACS Omega</i> , 2020, 5, 3646-3660.	3.5	9
60	Microwave assisted synthesis of \hat{I}^2 -keto thioethers and furan derivatives by thiol directed multicomponent reactions. <i>New Journal of Chemistry</i> , 2020, 44, 8442-8453.	2.8	8
61	Synthesis of styryl-linked fused dihydropyridines by catalyst-free multicomponent reactions. <i>Molecular Diversity</i> , 2021, 25, 2161-2169.	3.9	6
62	Multicomponent click polymerization for the synthesis of coumarin containing 1,4-polytriazoles and their application as dye adsorbent. <i>Polymer</i> , 2022, 243, 124580.	3.8	6
63	Sc(OTf) ₃ -Mediated One-Pot Synthesis of Coumarin-Fused Furans: A Thiol-Dependent Reaction for the Easy Access of 2-Phenyl-4H-furo[3,2- <i>c</i>]chromen-4-ones. <i>Journal of Organic Chemistry</i> , 2022, 87, 7763-7777.	3.2	6
64	Synthesis of Pentacyclic Pyran Fused Pyrazolo Benzo[<i>h</i>]quinolines by Multicomponent Reaction and Their Photophysical Studies. <i>ChemistrySelect</i> , 2022, 7, .	1.5	4
65	Cupric Sulfate Pentahydrate (CuSO ₄ ·5H ₂ O): A Mild and Efficient Catalyst for Tetrahydropyranylation/Depyranylation of Alcohols and Phenols.. <i>ChemInform</i> , 2005, 36, no-no.	0.0	0
66	A Catalytic Amount of Nickel(II) Chloride Hexahydrate and 1,2-Ethanedithiol is a Good Combination for the Cleavage of Tetrahydropyranyl (THP) and tert-Butyldimethylsilyl (TBS) Ethers.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
67	A Catalytic Amount of Nickel(II) Chloride Hexahydrate and 1,2-Ethanedithiol is a Good Combination for the Cleavage of Tetrahydropyranyl (THP) and tert-Butyldimethylsilyl (TBS) Ethers.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
68	Acetyltriphenylphosphonium Bromide (ATPB): A Versatile Reagent for the Acylation of Alcohols, Phenols, Thiols and Amines and for 1,1-Diacylation of Aldehydes under Solvent-Free Conditions. <i>ChemInform</i> , 2005, 36, no.	0.0	0
69	Acetyltriphenylphosphonium Bromide (ATPB): A Versatile Reagent for the Acylation of Alcohols, Phenols, Thiols and Amines and for 1,1-Diacylation of Aldehydes under Solvent-Free Conditions.. <i>ChemInform</i> , 2005, 36, no.	0.0	0