Abu T Khan

List of Publications by Year
in descending order

56 papers	1,741 citations	331642 21 h-index	289230 40 g-index
57 all docs	57 docs citations	57 times ranked	1286 citing authors

#	Article	IF	Citations
1	Reactivity switch-over of 4-hydroxydithiocoumarins under various conditions and their application in organic synthesis. Organic and Biomolecular Chemistry, 2022, 20, 715-726.	2.8	8
2	Synthetic utility of biomimicking vanadium bromoperoxidase and n-tetrabutylammonium tribromide (TBATB) in organic synthesis. Organic and Biomolecular Chemistry, 2022, 20, 2562-2579.	2.8	7
3	DMSO-assisted environmentally benign synthesis of benzo[c]-chromeno[4,3,2-gh]phenanthridines by remote oxidative hetero cross-coupling cyclization and aromatization reaction. Chemical Communications, 2022, , .	4.1	6
4	Î±-Sulfenylation between 4-Hydroxydithiocoumarin and 1,3-Dicarbonyl Compounds: A Key Precursor for the Synthesis of New Pyrazole Derivatives. Synthesis, 2022, 54, 4521-4528.	2.3	1
5	An environmentally benign regioselective synthesis of 2-benzyl-4-arylquinoline derivatives using aryl amines, styrene oxides and aryl acetylenes. Organic and Biomolecular Chemistry, 2021, 19, 8772-8782.	2.8	4
6	Copper(<scp>ii</scp>) triflate catalyzed three-component reaction for the synthesis of 2,3-diarylquinoline derivatives using aryl amines, aryl aldehydes and styrene oxides. Organic and Biomolecular Chemistry, 2021, 19, 3255-3262.	2.8	8
7	Synthesis of biologically active fused 1,4-oxathiin derivatives from 4-hydroxydithiocoumarins, arylacetylenes and dimethyl sulfoxide by Cu(<scp>i</scp>)-catalyzed Câ€“H functionalization and cross-dehydrogenative Câ€“S coupling reactions. Organic and Biomolecular Chemistry, 2021, 19, 5818-5826.	2.8	7
8	Ytterbium(III) triflate catalyzed domino reaction of arylamines and styrene oxides: Synthesis of 2-benzyl-3-arylquinoline derivatives. Tetrahedron Letters, 2021, 70, 152981.	1.4	8
9	Metal-free synthesis of quinoline-2,4-dicarboxylate derivatives using aryl amines and acetylenedicarboxylates through a pseudo three-component reaction. Organic and Biomolecular Chemistry, 2021, 19, 7041-7050.	2.8	5
10	Synthesis of vinyl sulfides and thioethers via a hydrothiolation reaction of 4-hydroxydithiocoumarins and arylacetylenes/styrenes. Organic and Biomolecular Chemistry, 2021, 19, 9223-9230.	2.8	2
11	Anti-cancer potential of (1,2-dihydronaphtho[2,1-b]furan-2-yl)methanone derivatives. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127476.	2.2	10
12	Newly synthesized 3-sulfenylindole derivatives from 4-hydroxydithiocoumarin using an oxidative cross dehydrogenative coupling reaction (OCDCR): potential lead molecules for antiproliferative activity. Organic and Biomolecular Chemistry, 2020, 18, 4104-4113.	2.8	9
13	Reaction behaviour of arylamines with nitroalkenes in the presence of bismuth(iii) triflate: an easy access to 2,3-dialkylquinolines. Organic and Biomolecular Chemistry, 2020, 18, 1785-1793.	2.8	6
14	Iodine monobromide catalysed regioselective synthesis of 3-arylquinolines from Î±-aminoacetophenones and trans-Î²-nitrostyrenes. Organic and Biomolecular Chemistry, 2019, 17, 347-353.	2.8	15
15	Iodineâ€Catalyzed Synthesis of Pyrrolo(2,3â€c)coumarin Derivatives Using 3â€Aminocoumarins, Arylglyoxals and 4â€Hydroxycoumarin through Oneâ€Pot Threeâ€Component Reaction. ChemistrySelect, 2018, 3, 2431-2434.	1.5	10
16	Electronic effect of substituents on anilines favors 1,4-addition totrans-Î²-nitrostyrenes: access toN-substituted 3-arylindoles and 3-arylindoles. Organic and Biomolecular Chemistry, 2018, 16, 3760-3770.	2.8	17
17	An oxidative cross-coupling reaction of 4-hydroxydithiocoumarin and amines/thiols using a combination of I₂ and TBHP: access to lead molecules for biomedical applications. Chemical Communications, 2018, 54, 1513-1516.	4.1	23
18	Triethylamineâ€Mediated Oneâ€Pot Synthesis of Benzo[f]chromene Derivatives. ChemistrySelect, 2018, 3, 4760-4763.	1.5	5

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19	K₂CO₃ catalyzed regioselective synthesis of thieno[2,3-b]thiochromen-4-one oximes: access to the corresponding amine and nitroso derivatives. Organic and Biomolecular Chemistry, 2017, 15, 5625-5634.	2.8	11
20	Camphorsulfonic Acid Catalyzed One-Pot Three-Component Reaction for the Synthesis of Fused Quinoline and Benzoquinoline Derivatives. Journal of Organic Chemistry, 2017, 82, 12416-12429.	3.2	29
21	One-pot three-component regioselective synthesis of C1-functionalised 3-arylbenzo[f]quinoline. RSC Advances, 2016, 6, 11675-11682.	3.6	16
22	Synthesis of fused oxazole-containing coumarin derivatives via oxidative cross coupling reaction using a combination of CuCl₂ and TBHP. RSC Advances, 2016, 6, 18891-18894.	3.6	14
23	Synthesis of Pyrido[2,3-c]coumarin Derivatives by an Intramolecular Povarov Reaction. Synthesis, 2015, 47, 1109-1116.	2.3	21
24	Yb(OTf)₃ catalysed regioselective synthesis of unusual di- and tri- substituted 3,4-dihydrothiochromeno[3,2-e][1,3]thiazin-5(2H)-one derivatives through a pseudo four-component hetero-Dielsâ€“Alder reaction. RSC Advances, 2015, 5, 48104-48111.	3.6	8
25	Exploration of C5â€“C6-Unsubstituted 1,4-Dihydropyridines for the Construction of exo-Hexahydro-1H-chromeno[3,4-h][1,6]naphthyridine-3-carboxylates Using a Stereoselective Povarov Reaction. Synthesis, 2015, 47, 2745-2755.	2.3	9
26	Synthesis of Unsymmetrical Sulfides and Their Oxidation to Sulfones to Discover Potent Antileishmanial Agents. ACS Combinatorial Science, 2015, 17, 671-681.	3.8	24
27	Oxidative cross coupling reaction mediated by I2/H2O2: a novel approach for the construction of fused thiazole containing coumarin derivatives. RSC Advances, 2015, 5, 104155-104163.	3.6	11
28	Synthesis of dihydrochromeno[4,3-b]pyrazolo[4,3-e]pyridin-6(7H)-ones involving one-pot three-component tandem Knoevenagelâ€“Michael reaction catalyzed by n-tetrabutylammonium tribromide (TBATB). Tetrahedron Letters, 2014, 55, 2006-2009.	1.4	19
29	Synthesis of unsymmetrical sulfides catalyzed by n-tetrabutyl-ammonium tribromide: A selective fluorescence probe for mercury ion. Sensors and Actuators B: Chemical, 2014, 193, 509-514.	7.8	10
30	Synthesis of fused tetrahydropyrido[2,3-c]coumarin derivatives as potential inhibitors for dopamine d3 receptors, catalyzed by hydrated ferric sulfate. RSC Advances, 2014, 4, 3581-3590.	3.6	18
31	Bromodimethylsulfonium Bromide (BDMS)-catalyzed Synthesis of Substituted Pyrroles through a One-pot Four-component Reaction. Chemistry Letters, 2013, 42, 939-941.	1.3	10
32	A Useful and Convenient Synthetic Protocol for Iodination of Organic Substrates Using a Combination of Vanadyl Acetylacetonate, Hydrogen Peroxide, and Sodium Iodide. Bulletin of the Chemical Society of Japan, 2012, 85, 1239-1243.	3.2	8
33	A simple and expedient synthesis of functionalized pyrido[2,3-c] coumarin derivatives using molecular iodine catalyzed three-component reaction. Tetrahedron Letters, 2012, 53, 6418-6422.	1.4	50
34	One-pot four-component domino reaction for the synthesis of substituted dihydro-2-oxypyrrole catalyzed by molecular iodine. Tetrahedron Letters, 2012, 53, 2622-2626.	1.4	77
35	Michael Initiated Ring Closure (MIRC) reaction on in situ generated benzylidenecyclohexane-1,3-diones for the construction of chromeno[3,4-b]quinoline derivatives. Tetrahedron Letters, 2012, 53, 2345-2351.	1.4	41
36	Synthesis of tetra-substituted pyrroles, a potential phosphodiesterase 4B inhibitor, through nickel(II) chloride hexahydrate catalyzed one-pot four-component reaction. Tetrahedron Letters, 2012, 53, 4145-4150.	1.4	76

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37	VO(acac)2/H2O2/NaI: a mild and efficient combination for the cleavage of dithioacetal derivatives of sugars. Carbohydrate Research, 2011, 346, 2629-2632.	2.3	8
38	Tetrabutylammonium tribromide (TBATB): a mild and efficient catalyst for O-isopropylidenation of carbohydrates. Carbohydrate Research, 2011, 346, 673-677.	2.3	24
39	Sequential three-component reactions: synthesis, regioselectivity and application of functionalized dihydropyridines (DHPs) for the creation of fused naphthyridines. Tetrahedron Letters, 2011, 52, 3455-3459.	1.4	38
40	Iodine catalyzed one-pot five-component reactions for direct synthesis of densely functionalized piperidines. Tetrahedron, 2010, 66, 7762-7772.	1.9	136
41	Synthesis of highly functionalized piperidines by one-pot multicomponent reaction using tetrabutylammonium tribromide (TBATB). Tetrahedron Letters, 2010, 51, 4419-4424.	1.4	137
42	Bromodimethylsulfonium bromide (BDMS) mediated dithioacetalization of carbohydrates under solvent-free conditions. Carbohydrate Research, 2010, 345, 2139-2145.	2.3	17
43	A Mild and Regioselective Method for Î±-Bromination of Î²-Keto Esters and 1,3-Diketones Using Bromodimethylsulfonium Bromide (BDMS). Journal of Organic Chemistry, 2006, 71, 8961-8963.	3.2	76
44	A mild and environmentally acceptable synthetic protocol for chemoselective Î±-bromination of Î²-keto esters and 1,3-diketones. Tetrahedron Letters, 2006, 47, 2751-2754.	1.4	53
45	A highly efficient and environmentally benign synthesis of 6,8-dibromoflavones, 8-bromoflavones, 5,7-dibromoaurones and 7-bromoaurones. Tetrahedron Letters, 2005, 46, 4937-4940.	1.4	28
46	A Useful and Convenient Synthetic Procedure for Hydrolysis of Thioglycosides. Chemistry Letters, 2002, 31, 210-211.	1.3	14
47	An exceptionally simple and catalytic method for regeneration of carbonyl functionality from the corresponding 1,3-oxathiolanes. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1026-1028.	1.3	23
48	A useful and convenient synthetic protocol for interconversion of carbonyl compounds to the corresponding 1,3-oxathiolanes and vice versa employing organic ammonium tribromide (OATB). Tetrahedron Letters, 2002, 43, 2843-2846.	1.4	73
49	A Convenient and Useful Method of Preparation ofÎ±-Bromo Enones from the Corresponding Enones Using Organic Ammonium Tribromide (OATB). Chemistry Letters, 2001, 30, 290-291.	1.3	22
50	A Useful and Environmentally Benign Synthetic Protocol for Dethiolization by Employing Vanadium Pentoxide Catalyzed Oxidation of Ammonium Bromide by Hydrogen Peroxide. Chemistry Letters, 2001, 30, 1158-1159.	1.3	30
51	An environmentally benign synthesis of aurones and flavones from 2â€²-acetoxychalcones using n -tetrabutylammonium tribromide. Tetrahedron Letters, 2001, 42, 8907-8909.	1.4	73
52	An Expedient and Efficient Method for the Cleavage of Dithioacetals to the Corresponding Carbonyl Compounds Using Organic Ammonium Tribromide (OATB). Synlett, 2001, 2001, 0785-0786.	1.8	38
53	Regioselective Bromination of Organic Substrates by Tetrabutylammonium Bromide Promoted by V2O5â^'H2O2:â€‰ An Environmentally Favorable Synthetic Protocol. Organic Letters, 2000, 2, 247-249.	4.6	195
54	An environmentally benign synthesis of organic ammonium tribromides (OATB) and bromination of selected organic substrates by tetrabutylammonium tribromide (TBATB). Tetrahedron Letters, 1998, 39, 8163-8166.	1.4	137

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55	A method for the synthesis of C-(2-deoxy-Î²-glycosyl) arenes. Carbohydrate Research, 1996, 280, 277-286.	2.3	15
56	Regioselective ringâ€opening of epoxide and Nâ€tosylaziridine with 4â€hydroxydithiocoumarin: Key precursors of 2,3â€dihydroâ€1,4â€oxathiin and 2,3â€dihydroâ€1,4â€thiazine derivatives. European Journal of Organic Chemistry, 0, , .	2.4	1