

Maarroof Zarei

List of Publications by Year in descending order

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85
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Novel Azo Schiff Bases and Their Antibacterial and Antifungal Activities. <i>Molecules</i> , 2004, 9, 815-824.	3.8	121
2	The Vilsmeier reagent: a useful and versatile reagent for the synthesis of 2-azetidinones. <i>Tetrahedron</i> , 2009, 65, 2927-2934.	1.9	65
3	3-Thiolated 2-azetidinones: synthesis and <i>in vitro</i> antibacterial and antifungal activities. <i>Tetrahedron</i> , 2011, 67, 5832-5840.	1.9	57
4	Efficient one-pot synthesis of 2-azetidinones from acetic acid derivatives and imines using methoxymethylene-N,N-dimethyliminium salt. <i>Tetrahedron</i> , 2010, 66, 5017-5023.	1.9	54
5	Synthesis of Novel N-Sulfonyl Monocyclic β -Lactams as Potential Antibacterial Agents. <i>Molecules</i> , 2006, 11, 49-58.	3.8	53
6	The Vilsmeier reagent as an efficient acid activator for the synthesis of β -lactams. <i>Tetrahedron Letters</i> , 2007, 48, 8712-8714.	1.4	46
7	DMF-dimethyl sulfate as a new reagent for the synthesis of β -lactams. <i>Tetrahedron Letters</i> , 2009, 50, 1568-1570.	1.4	45
8	Petra, Osiris, and Molinspiration Together as a Guide in Drug Design: Predictions and Correlation Structure/Antibacterial Activity Relationships of New <i>N</i> -Sulfonyl Monocyclic β -Lactams. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 491-497.	1.6	43
9	Synthesis of Novel N-(4-Ethoxyphenyl) Azetidin-2-ones and Their Oxidative N-Deprotection by Ceric Ammonium Nitrate. <i>Molecules</i> , 2007, 12, 2364-2379.	3.8	40
10	Synthesis of Structurally Diverse 2-Azetidinones via Staudinger Reaction on a Solid Support. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 320-327.	3.2	31
11	Utilization of DMF-PhCOCl Adduct as an Acid Activator in a New and Convenient Method for Preparation of β -Lactams. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 360-368.	3.2	31
12	A facile and effective synthesis of 2-azetidinones via phosphonitrilic chloride. <i>Tetrahedron</i> , 2013, 69, 6620-6626.	1.9	30
13	One-pot synthesis of 1,3,4-thiadiazoles using Vilsmeier reagent as a versatile cyclodehydration agent. <i>Tetrahedron</i> , 2017, 73, 1867-1872.	1.9	27
14	Synthesis of New <i>N</i> -Sulfonyl Monocyclic β -Lactams and the Investigation of Their Antibacterial Activities. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 287-297.	1.6	26
15	On-column N-dearylation of 2-azetidinones by silica-supported ceric ammonium nitrate. <i>Tetrahedron</i> , 2012, 68, 5505-5512.	1.9	26
16	A convenient synthesis of 2-azetidinones via 2-fluoro-1-methylpyridinium p-toluenesulfonate. <i>Monatshefte für Chemie</i> , 2013, 144, 1021-1025.	1.8	26
17	A straightforward approach to 2-azetidinones from imines and carboxylic acids using dimethyl sulfoxide and acetic anhydride. <i>Tetrahedron Letters</i> , 2014, 55, 5354-5357.	1.4	26
18	Synthesis of β -Lactams from Acids and Imines Using Thiocarbonyldiimidazole. <i>Synthetic Communications</i> , 2013, 43, 728-734.	2.1	25

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19	Synthesis, in vitro biological evaluation and in silico molecular docking studies of novel β -lactam-antraquinone hybrids. <i>Bioorganic Chemistry</i> , 2020, 95, 103515.	4.1	25
20	One-Pot Sequence Synthesis of Azetidin-2-One Using Diethyl Chlorophosphate. <i>Journal of Chemical Research</i> , 2012, 36, 118-120.	1.3	23
21	One-step Synthesis of β -lactams Using Cyanuric Fluoride. <i>Journal of Chemical Research</i> , 2013, 37, 25-27.	1.3	23
22	An efficient and green method for the synthesis of 2-azetidinones mediated by propylphosphonic anhydride (T3PA®). <i>Monatshefte für Chemie</i> , 2014, 145, 1495-1499.	1.8	23
23	A Mild and Efficient One-Pot Preparation of 1,2,4-Oxadiazoles from Nitriles and Carboxylic Acids Using Vilsmeier Reagent. <i>ChemistrySelect</i> , 2018, 3, 11273-11276.	1.5	19
24	Impact of silver nanoparticles on the growth, fatty acid profile, and antioxidative response of <i>Nannochloropsis oculata</i> . <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	2.1	19
25	Antifouling and antibacterial activities of bioactive extracts from different organs of the sea cucumber <i>Holothuria leucospilota</i> . <i>Helgoland Marine Research</i> , 2020, 74, .	1.3	17
26	(2-Chloropyridin-3-yl)(4-nitrobenzylidene)amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o776-o778.	0.2	16
27	Synthesis of Novel β -lactams from Phenothiazin-10-acetic Acid. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 1085-1091.	2.6	14
28	From Solution-Phase to γ -On-Column™ N-Dearylation of β -Lactams by Silica-Supported Ceric Ammonium Nitrate (CAN-SiO ₂). <i>Synlett</i> , 2008, 2008, 381-385.	1.8	12
29	Application of magnetic Fe ₃ O ₄ nanoparticles as a reusable heterogeneous catalyst in the synthesis of β -lactams containing amino groups. <i>New Journal of Chemistry</i> , 2019, 43, 12690-12697.	2.8	12
30	Solid-Solid Phase and Solvent-Free Oxidative Removal of N-(4-Alkoxyphenyl) Groups of Monocyclic β -Lactams with Ceric Ammonium Nitrate as a Cheap, Simple, and Efficient Method. <i>Synthetic Communications</i> , 2008, 38, 1837-1845.	2.1	10
31	Synthesis of N-unsubstituted β -lactams from N-alkoxyphenyl- β -lactams with cobalt(III) fluoride. <i>Tetrahedron Letters</i> , 2010, 51, 5791-5794.	1.4	10
32	A Mild and Efficient Route to 2-Azetidinones Using the Cyanuric Chloride-DMF Complex. <i>Synlett</i> , 2011, 2011, 2572-2576.	1.8	10
33	Preparation of 2-azetidinones by cyclocondensation of carboxylic acids and imines via diphosphorustetraiodide. <i>Synthetic Communications</i> , 2016, 46, 523-527.	2.1	10
34	Ceric Ammonium Nitrate on Silica Gel for Solid-Solid Phase N-Dearylation of β -Lactams. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 1738-1749.	1.6	9
35	A Simple and One-Pot Synthesis of β -lactams by Using the Vilsmeier Reagent. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 438-441.	2.6	9
36	Convenient Vilsmeier Reagent Mediated One-Pot Synthesis of Symmetrical and Asymmetrical 1,3,4-Oxadiazoles. <i>Organic Preparations and Procedures International</i> , 2017, 49, 355-362.	1.3	9

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37	Phosphonitrilic chloride as an efficient reagent for the synthesis of β -sultams. <i>Tetrahedron Letters</i> , 2013, 54, 1100-1102.	1.4	8
38	Synthesis of β -lactams via Staudinger reaction using <i>N</i> -ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline as a carboxylic acid activator. <i>Synthetic Communications</i> , 2016, 46, 2031-2036.	2.1	8
39	β -Lactam Preparation via Staudinger Reaction with Activated Dimethylsulfoxide. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 1161-1166.	2.6	8
40	Synthesis of acylhydrazines and, symmetrical and asymmetrical diacylhydrazines from carboxylic acid via the Vilsmeier reagent mediated process. <i>Research on Chemical Intermediates</i> , 2017, 43, 1909-1918.	2.7	8
41	Anticancer activity and evaluation of apoptotic genes expression of 2-azetidinones containing anthraquinone moiety. <i>Molecular Diversity</i> , 2021, 25, 2429-2439.	3.9	8
42	2-[1-(4-Ethoxyphenyl)-2-oxo-4-styrylazetidin-3-yl]isoindoline-1,3-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o924-o924.	0.2	8
43	Antifouling coating based on biopolymers (PCL/ PLA) and bioactive extract from the sea cucumber <i>Stichopus hermanni</i> . <i>AMB Express</i> , 2022, 12, 24.	3.0	8
44	A Simple and Highly Efficient Procedure for One-Pot Synthesis of 2- Azetidinones Using 3,5-Dinitrobenzoyl Chloride. <i>Letters in Organic Chemistry</i> , 2013, 10, 645-650.	0.5	7
45	Application of 2-chloro-4,6-dimethoxy-1,3,5-triazine in the synthesis of 2-azetidinones. <i>Monatshefte für Chemie</i> , 2015, 146, 941-946.	1.8	7
46	One-pot Vilsmeier reagent-mediated multicomponent reaction: A direct synthesis of oxazolones and Erlenmeyer azlactones from carboxylic acids. <i>Comptes Rendus Chimie</i> , 2018, 21, 9-13.	0.5	7
47	Oxidative N-deprotection of 2-azetidinones using silver(II) persulfate complexes as a twin oxidant/co-oxidant. <i>Tetrahedron Letters</i> , 2013, 54, 4174-4177.	1.4	6
48	Argentite mediated N-dearylation of β -lactams. <i>Tetrahedron Letters</i> , 2011, 52, 1192-1194.	1.4	5
49	An Easy and Convenient Synthesis of β -Lactams via a One-Pot Staudinger Reaction with 4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium Chloride Starting from Substituted Carboxylic Acids. <i>Letters in Organic Chemistry</i> , 2015, 12, 44-49.	0.5	5
50	Tosylimidazole-mediated one-pot synthesis of 2-azetidinones. <i>Journal of Chemical Research</i> , 2016, 40, 532-534.	1.3	5
51	CuFe ₂ O ₄ nanoparticles catalyze the reaction of alkynes and nitrones for the synthesis of 2-azetidinones. <i>New Journal of Chemistry</i> , 2020, 44, 17341-17345.	2.8	5
52	Thionation of β -lactams to β -thiolactams by silica-supported P ₂ S ₅ . <i>Journal of Sulfur Chemistry</i> , 2013, 34, 370-376.	2.0	4
53	Convenient Propylphosphonic Anhydride (T3P®)-Mediated Synthesis of β -Sultams. <i>Mendeleev Communications</i> , 2013, 23, 39-40.	1.6	4
54	Silphos as an efficient heterogeneous reagent for the synthesis of 2-azetidinones. <i>Heterocyclic Communications</i> , 2014, 20, 355-359.	1.2	4

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55	Cerium(IV) Tetrabutylammonium Nitrate (CTAN): A Mild and Efficient N-dearylation Agent for Synthesis of N-unsubstituted 2-azetidiones. <i>Journal of Chemical Research</i> , 2017, 41, 246-249.	1.3	4
56	Facile Synthesis of β -Lactam Derivatives by the Staudinger Reaction Using 3,6-Dichlorotetrazine. <i>Journal of Chemical Research</i> , 2015, 39, 698-700.	1.3	3
57	2-Azetidinones in One-Pot from Imines and Carboxylic Acids via 1,4-Dichlorophthalazine. <i>Current Organic Synthesis</i> , 2017, 14, 590-595.	1.3	3
58	One Pot, Simple, and Efficient Synthesis of 2-Azetidinones Mediated by 3-(Diethoxyphosphoryloxy)-1,2,3-benzotriazin-4-(3H)-one. <i>Letters in Organic Chemistry</i> , 2017, 14, .	0.5	3
59	Copper-catalyzed thioarylation or thioalkylation of halogenated 2-azetidiones using a thiol precursor. <i>Monatshefte für Chemie</i> , 2018, 149, 1401-1408.	1.8	2
60	Crystal Structure of 2-Methoxy-6-(pyrazin-2-yl iminomethyl)phenol, C ₁₂ H ₁₁ N ₃ O ₂ . <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005, 21, X117-X118.	0.1	1