Matthias D'hooghe

List of Publications by Year
in descending order

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151 papers	4,463 citations	126858 33 h-index	143943 57 g-index
159 all docs	159 docs citations	159 times ranked	3717 citing authors

#	Article	IF	Citations
1	Synthesis and Reactivity ofC-Heteroatom-Substituted Aziridines. Chemical Reviews, 2007, 107, 2080-2135.	23.0	406
2	Regioselectivity in the ring opening of non-activated aziridines. Chemical Society Reviews, 2012, 41, 643-665.	18.7	401
3	Quinoline-based antimalarial hybrid compounds. Bioorganic and Medicinal Chemistry, 2015, 23, 5098-5119.	1.4	177
4	Synthetic approaches towards 2-iminothiazolidines: an overview. Tetrahedron, 2006, 62, 513-535.	1.0	112
5	A Novel Entry toward 2-Imino-1,3-thiazolidines and 2-Imino-1,3-thiazolines by Ring Transformation of 2-(Thiocyanomethyl)aziridines. Journal of Organic Chemistry, 2005, 70, 227-232.	1.7	108
6	Epihalohydrins in Organic Synthesis. Chemical Reviews, 2013, 113, 1441-1498.	23.0	73
7	Antibacterial and Î²â€Lactamase Inhibitory Activity of Monocyclic Î²â€Lactams. Medicinal Research Reviews, 2018, 38, 426-503.	5.0	73
8	Intramolecular Ï€âˆ'Ï€ Stacking Interactions in 2-Substituted N,N-Dibenzylaziridinium Ions and Their Regioselectivity in Nucleophilic Ring-Opening Reactions. Journal of Organic Chemistry, 2010, 75, 885-896.	1.7	66
9	Synthesis and reactivity of spiro-fused Î²-lactams. Tetrahedron, 2011, 67, 1989-2012.	1.0	64
10	Systematic Study of Halideâ€Induced Ring Opening of 2â€Substituted Aziridinium Salts and Theoretical Rationalization of the Reaction Pathways. European Journal of Organic Chemistry, 2010, 2010, 4920-4931.	1.2	63
11	Selective pharmacological inhibitors of HDAC6 reveal biochemical activity but functional tolerance in cancer models. International Journal of Cancer, 2019, 145, 735-747.	2.3	60
12	Diastereoselective Synthesis of Bicyclic Î³-Lactams via Ring Expansion of Monocyclic Î²-Lactams. Journal of Organic Chemistry, 2009, 74, 1644-1649.	1.7	59
13	Design, Synthesis, and Antiviral Evaluation of Purine-Î²-lactam and Purine-aminopropanol Hybrids. Journal of Medicinal Chemistry, 2012, 55, 5637-5641.	2.9	59
14	Opposite Regiospecific Ring Opening of 2-(Cyanomethyl)aziridines by Hydrogen Bromide and Benzyl Bromide: Experimental Study and Theoretical Rationalization. Journal of Organic Chemistry, 2010, 75, 4530-4541.	1.7	56
15	Regio- and stereospecific ring opening of 1,1-dialkyl-2-(aryloxymethyl)aziridinium salts by bromide. Chemical Communications, 2006, , 1554.	2.2	55
16	Asymmetric Synthesis of 1-(2- and 3-Haloalkyl)azetidin-2-ones as Precursors for Novel Piperazine, Morpholine, and 1,4-Diazepane Annulated Beta-Lactams. Journal of Organic Chemistry, 2006, 71, 7083-7086.	1.7	51
17	Novel Synthesis of cis-3,5-Disubstituted Morpholine Derivatives. Journal of Organic Chemistry, 2006, 71, 4678-4681.	1.7	49
18	Synthesis of 1-Alkyl-2-(trifluoromethyl)azetidines and Their Regiospecific Ring Opening toward Diverse Î±-(Trifluoromethyl)Amines via Intermediate Azetidinium Salts. Journal of Organic Chemistry, 2012, 77, 5982-5992.	1.7	48

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19	Selective Synthesis of cis- and trans-2-(Methyl/phenyl)-3-(trifluoromethyl)aziridines and Their Regio- and Stereospecific Ring Opening. Journal of Organic Chemistry, 2014, 79, 5558-5568.	1.7	47
20	Nucleophileâ€Directed Selective Transformation of cisâ€1â€Tosylâ€2â€tosyloxymethylâ€3â€(trifluoromethyl)aziridine into Aziridines, Azetidines, and Benzoâ€Fused Dithianes, Oxathianes, Dioxanes, and (Thio)morpholines. Chemistry - A European Journal, 2013, 19, 5966-5971.	1.7	46
21	New Synthesis of Propargylic Amines from 2-(Bromomethyl)aziridines. Intermediacy of 3-Bromoazetidinium Salts. Journal of Organic Chemistry, 2004, 69, 2703-2710.	1.7	44
22	Synthesis and applications of benzohydroxamic acid-based histone deacetylase inhibitors. European Journal of Medicinal Chemistry, 2017, 135, 174-195.	2.6	44
23	Exploration of aziridine- and Î²-lactam-based hybrids as both bioactive substances and synthetic intermediates in medicinal chemistry. Bioorganic and Medicinal Chemistry, 2013, 21, 3643-3647.	1.4	43
24	Bicyclic Aziridinium Ions in Azaheterocyclic Chemistry â€“ Preparation and Synthetic Application of 1â€Azoniabicyclo[n.1.0]alkanes. Advanced Synthesis and Catalysis, 2016, 358, 3485-3511.	2.1	43
25	Use of functionalized Î²-lactams as building blocks in heterocyclic chemistry. Pure and Applied Chemistry, 2010, 82, 1749-1759.	0.9	42
26	Synthesis of 3-Methoxyazetidines via an Aziridine to Azetidine Rearrangement and Theoretical Rationalization of the Reaction Mechanism. Journal of Organic Chemistry, 2011, 76, 2157-2167.	1.7	42
27	Stereoselective Synthesis of Chiral 4-(1-Chloroalkyl)-Î²-Lactams Starting from Amino Acids and Their Transformation into Functionalized Chiral Azetidines and Pyrrolidines. Journal of Organic Chemistry, 2010, 75, 5934-5940.	1.7	40
28	Synthetic Approaches toward Monocyclic 3â€Aminoâ€Î²â€lactams. ChemistryOpen, 2017, 6, 301-319.	0.9	38
29	Synthesis and reactivity of trans-2-aryl-3-chloroazetidines. Tetrahedron, 2006, 62, 6882-6892.	1.0	37
30	Nucleophile-dependent regioselective ring opening of 2-substituted N,N-dibenzylaziridinium ions: bromide versus hydride. Chemical Communications, 2009, , 2508.	2.2	37
31	Novel synthesis of indolizidines and quinolizidines. Tetrahedron, 2003, 59, 3099-3108.	1.0	36
32	Converting bulk sugars into prebiotics: semi-rational design of a transglucosylase with controlled selectivity. Chemical Communications, 2016, 52, 3687-3689.	2.2	36
33	Synthesis of Stereodefined Piperidines from Aziridines and Their Transformation into Conformationally Constrained Amino Acids, Amino Alcohols and 2,7-Diazabicyclo[3.3.1]nonanes. Journal of Organic Chemistry, 2010, 75, 7734-7744.	1.7	35
34	Nucleophileâ€Dependent Regioâ€and Stereoselective Ring Opening of 1â€Azoniabicyclo[3.1.0]hexane Tosylate. Chemistry - an Asian Journal, 2014, 9, 1060-1067.	1.7	34
35	Synthesis of 1-Arylmethyl-2-(2-cyanoethyl)aziridines and Their Rearrangement into Novel 2-(Aminomethyl)cyclopropanecarbonitriles. Journal of Organic Chemistry, 2007, 72, 7329-7332.	1.7	33
36	Stereoselective Synthesis of cis-3,4-Disubstituted Piperidines through Ring Transformation of 2-(2-Mesyloxyethyl)azetidines. Journal of Organic Chemistry, 2011, 76, 8364-8375.	1.7	33

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37	Stereoselective synthesis of trans- and cis-2-aryl-3-(hydroxymethyl)aziridines through transformation of 4-aryl-3-chloro-Î²-lactams and study of their ring opening. Organic and Biomolecular Chemistry, 2010, 8, 607-615.	1.5	32
38	Straightforward synthesis of 1-alkyl-2-(trifluoromethyl)aziridines starting from 1,1,1-trifluoroacetone. Organic and Biomolecular Chemistry, 2011, 9, 7217.	1.5	32
39	Synthesis and cytotoxic evaluation of novel amideâ€“triazole-linked triterpenoidâ€“AZT conjugates. Tetrahedron Letters, 2015, 56, 218-224.	0.7	32
40	Deployment of Small-Ring Azaheterocycles as Building Blocks for the Synthesis of Organofluorine Compounds. Synlett, 2016, 27, 1486-1510.	1.0	32
41	Synthesis of 2-(aminomethyl)aziridines and their microwave-assisted ring opening to 1,2,3-triaminopropanes as novel antimalarial pharmacophores. European Journal of Medicinal Chemistry, 2011, 46, 579-587.	2.6	31
42	Selective Synthesis of Functionalized Trifluoromethylated Pyrrolidines, Piperidines, and Azepanes Starting from 1â€Tosylâ€2â€(trifluoromethyl)aziridine. Chemistry - A European Journal, 2014, 20, 10650-10653.	1.7	31
43	Recent contributions of quinolines to antimalarial and anticancer drug discovery research. European Journal of Medicinal Chemistry, 2021, 226, 113865.	2.6	31
44	Novel Synthesis of 3,4-Diaminobutanenitriles and 4-Amino-2-butenenitriles from 2-(Cyanomethyl)aziridines through Intermediate Aziridinium Salts:Â An Experimental and Theoretical Approach. Journal of Organic Chemistry, 2007, 72, 4733-4740.	1.7	30
45	Carbonylation of Aziridines as a Powerful Tool for the Synthesis of Functionalized Î²â€Lactams. European Journal of Organic Chemistry, 2017, 2017, 5943-5960.	1.2	29
46	A new approach towards 2-amino-1-aryloxy-3-methoxypropanes from 1-arylmethyl-2-(bromomethyl)aziridines. Tetrahedron, 2006, 62, 2295-2303.	1.0	28
47	Highly Stereoselective Synthesis of Î²â€Lactams Utilizing Î±â€Chloroimines as New and Powerful Chiral Inductors. Chemistry - A European Journal, 2008, 14, 6336-6340.	1.7	28
48	Synthesis of 2-amino-3-arylpropan-1-ols and 1-(2,3-diaminopropyl)-1,2,3-triazoles and evaluation of their antimalarial activity. Beilstein Journal of Organic Chemistry, 2011, 7, 1745-1752.	1.3	28
49	Asymmetric synthesis of 4-formyl-1-(Ï‰-haloalkyl)-Î²-lactams and their transformation to functionalized piperazines and 1,4-diazepanes. Tetrahedron, 2012, 68, 10827-10834.	1.0	28
50	N-Heterocyclic carbene/BrÃ¸nsted acid cooperative catalysis as a powerful tool in organic synthesis. Beilstein Journal of Organic Chemistry, 2012, 8, 398-402.	1.3	28
51	Discovery of anxiolytic 2-ferrocenyl-1,3-thiazolidin-4-ones exerting GABAA receptor interaction via the benzodiazepine-binding site. European Journal of Medicinal Chemistry, 2014, 83, 57-73.	2.6	28
52	Synthesis of benzothiophene-based hydroxamic acids as potent and selective HDAC6 inhibitors. Chemical Communications, 2015, 51, 9868-9871.	2.2	28
53	Synthesis of Potent and Selective HDAC6 Inhibitors Bearing a Cyclohexaneâ€•or Cycloheptaneâ€Annulated 1,5â€Benzothiazepine Scaffold. Chemistry - A European Journal, 2017, 23, 128-136.	1.7	28
54	Synthesis of trans-4-aryl-3-(3-chloropropyl)azetidin-2-ones and their transformation into trans- and cis-2-arylpiperidine-3-carboxylates. Tetrahedron, 2008, 64, 4575-4584.	1.0	27

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55	Synthesis of 3,4â€Fused Bicyclic Î²â€Lactams and Their Transformation into Methyl cisâ€3â€Aminotetrahydrofuranâ€2â€carboxylates. European Journal of Organic Chemistry, 2010, 2010, 352-358.	1.2	27
56	Potent and selective HDAC6 inhibitory activity of N-(4-hydroxycarbamoylbenzyl)-1,2,4,9-tetrahydro-3-thia-9-azafluorenes as novel sulfur analogues of Tubastatin A. Chemical Communications, 2013, 49, 3775.	2.2	27
57	Synthesis and antiplasmodial evaluation of aziridineâ€“(iso)quinoline hybrids and their ring-opening products. MedChemComm, 2013, 4, 724.	3.5	27
58	Synthesis of functionalized 3-, 5-, 6- and 8-aminoquinolines via intermediate (3-pyrrolin-1-yl)- and (2-oxopyrrolidin-1-yl)quinolines and evaluation of their antiplasmodial and antifungal activity. European Journal of Medicinal Chemistry, 2015, 92, 91-102.	2.6	27
59	Deployment of Aziridines for the Synthesis of Alkaloids and Their Derivatives. Synthesis, 2019, 51, 1491-1515.	1.2	27
60	Ring opening of 2-(bromomethyl)-1-sulfonylaziridines towards 1,3-heteroatom substituted 2-aminopropane derivatives. Tetrahedron, 2005, 61, 8746-8751.	1.0	26
61	Solvent-Controlled Selective Transformation of 2-Bromomethyl-2-methylaziridines to Functionalized Aziridines and Azetidines. Journal of Organic Chemistry, 2012, 77, 3181-3190.	1.7	26
62	Synthesis and biological evaluation of novel quinoline-piperidine scaffolds as antiplasmodium agents. European Journal of Medicinal Chemistry, 2020, 198, 112330.	2.6	26
63	Design and synthesis of novel ferrocene-quinoline conjugates and evaluation of their electrochemical and antiplasmodium properties. European Journal of Medicinal Chemistry, 2020, 187, 111963.	2.6	24
64	Synthesis of chiral 1,5-disubstituted pyrrolidinones via electrophile-induced cyclization of 2-(3-butenyl)oxazolines derived from (1R,2S)- and (1S,2R)-norephedrine. Tetrahedron: Asymmetry, 2006, 17, 2857-2863.	1.8	23
65	A new entry into cis-3-amino-2-methylpyrrolidines viaring expansion of 2-(2-hydroxyethyl)-3-methylaziridines. Organic and Biomolecular Chemistry, 2009, 7, 135-141.	1.5	23
66	A new approach towards 1-phenyl and 1-benzyl substituted 2-(aminomethyl)cyclopropanecarboxamides as novel derivatives of the antidepressant Milnacipran. Organic and Biomolecular Chemistry, 2009, 7, 3271.	1.5	23
67	Ring opening reactions of 1-arenesulfonyl-2-(bromomethyl)aziridines. Tetrahedron, 2004, 60, 3637-3641.	1.0	22
68	Synthesis of 1-Arylmethyl-2-(cyanomethyl)aziridines and Their Ring Transformation into MethylN-(2-Cyanocyclopropyl)benzimidates. Journal of Organic Chemistry, 2006, 71, 4232-4236.	1.7	22
69	Synthesis of novel curcuminoids accommodating a central Î²-enaminone motif and their impact on cell growth and oxidative stress. European Journal of Medicinal Chemistry, 2016, 123, 727-736.	2.6	22
70	Synthesis of Novel Azaâ€aromatic Curcuminoids with Improved Biological Activities towards Various Cancer Cell Lines. ChemistryOpen, 2018, 7, 381-392.	0.9	22
71	Ring opening of 2-(cyanomethyl)aziridines by acid chlorides: synthesis of novel 4-amino-2-butenenitrile derivatives through intermediate aziridinium salts. Tetrahedron Letters, 2007, 48, 1771-1774.	0.7	21
72	LiAlH₄â€Induced Selective Ring Rearrangement of 2â€(2â€Cyanoethyl)aziridines toward 2â€(Aminomethyl)pyrrolidines and 3â€Aminopiperidines as Eligible Heterocyclic Building Blocks. Chemistry - A European Journal, 2016, 22, 4945-4951.	1.7	21

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73	Synthesis and SAR assessment of novel Tubathian analogs in the pursuit of potent and selective HDAC6 inhibitors. Organic and Biomolecular Chemistry, 2016, 14, 2537-2549.	1.5	21
74	Cobalt carbonyl-catalyzed carbonylation of functionalized aziridines to versatile Î²-lactam building blocks. Organic and Biomolecular Chemistry, 2017, 15, 4816-4821.	1.5	21
75	Microwave-assisted regioselective ring opening of non-activated aziridines by lithium aluminium hydride. Organic and Biomolecular Chemistry, 2010, 8, 4266.	1.5	20
76	Synthesis of 2â€Hydroxyâ€1,4â€oxazinâ€3â€ones through Ring Transformation of 3â€Hydroxyâ€4â€(1,2â€dihydroxyethyl)â€Î²â€lactams and a Study of Their Reactivity. Chemistry - A European Journal, 2013, 19, 3383-3396.	1.7	20
77	Expedient stereoselective synthesis of new dihydropyrano- and dihydrofuranonaphthoquinones. Tetrahedron Letters, 2015, 56, 2422-2425.	0.7	20
78	Synthesis of Trifluoromethylated Azetidines, Aminopropanes, 1,3-Oxazinanes, and 1,3-Oxazinan-2-ones Starting from 4-Trifluoromethyl-Î²-lactam Building Blocks. Synlett, 2016, 27, 1100-1105.	1.0	20
79	Reactivity of N-(ï‰-haloalkyl)-Î²-lactams with regard to lithium aluminium hydride: novel synthesis of 1-(1-aryl-3-hydroxypropyl)aziridines and 3-aryl-3-(N-propylamino)propan-1-ols. Organic and Biomolecular Chemistry, 2008, 6, 1190.	1.5	19
80	Rhodium-catalysed hydroformylation of N-(2-propenyl)-Î²-lactams as a key step in the synthesis of functionalised N-[4-(2-oxoazetidin-1-yl)but-1-enyl]acetamides. New Journal of Chemistry, 2010, 34, 1079.	1.4	19
81	Synthesis and antiplasmodial evaluation of novel (4-aminobutyloxy)quinolines. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 318-322.	1.0	19
82	Synthesis of halogenated 4-quinolones and evaluation of their antiplasmodial activity. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1214-1217.	1.0	19
83	Synthesis of novel 4-ferrocenyl-1,2,3,4-tetrahydroquinolines and 4-ferrocenylquinolines via Î±-ferrocenyl carbenium ions as key intermediates. Tetrahedron, 2017, 73, 6268-6274.	1.0	18
84	Synthesis and Reactivity of 3-Haloazetidines and 3-Sulfonyloxyazetidines: A Review. Current Organic Chemistry, 2009, 13, 829-853.	0.9	17
85	Reactivity of Activated versus Nonactivated 2-(Bromomethyl)aziridines with respect to Sodium Methoxide: A Combined Computational and Experimental Study. Journal of Organic Chemistry, 2011, 76, 8698-8709.	1.7	17
86	Exploration of thiaheterocyclic hHDAC6 inhibitors as potential antiplasmodial agents. Future Medicinal Chemistry, 2017, 9, 357-364.	1.1	17
87	Exploring the sequence diversity in glycoside hydrolase family 13_18 reveals a novel glucosylglycerol phosphorylase. Applied Microbiology and Biotechnology, 2018, 102, 3183-3191.	1.7	17
88	Novel synthesis of 2-aminopentanedinitriles from 2-(bromomethyl)aziridines and their transformation into 2-imino-5-methoxypyrrolidines and 5-methoxypyrrolidin-2-ones. Tetrahedron, 2008, 64, 1064-1070.	1.0	16
89	Synthesis and synthetic applications of 2-amino-3-halo-1-oxypropanes. Tetrahedron, 2008, 64, 3275-3285.	1.0	16
90	Theoretical insight into the regioselective ring-expansions of bicyclic aziridinium ions. Organic and Biomolecular Chemistry, 2018, 16, 796-806.	1.5	16

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91	Carboxylic Acid Bioisosteres in Medicinal Chemistry: Synthesis and Properties. Journal of Chemistry, 2022, 2022, 1-21.	0.9	16
92	Highly unusual conversion of 1-alkyl-2-(bromomethyl)aziridines into 1-alkyl-2-(N-alkyl-N-ethylaminomethyl)aziridines using methyllithium. Chemical Communications, 2007, , 1275.	2.2	15
93	Electrophilic Bromination in Flow: A Safe and Sustainable Alternative to the Use of Molecular Bromine in Batch. Molecules, 2019, 24, 2116.	1.7	15
94	Reduction of 5-(bromomethyl)-1-pyrrolinium bromides to 2-(bromomethyl)pyrrolidines and their transformation into piperidin-3-ones through an unprecedented ring expansion-oxidation protocol. Tetrahedron Letters, 2008, 49, 6039-6042.	0.7	14
95	Synthesis and Applications of 3â€Methyleneâ€4â€(trifluoromethyl)azetidinâ€2â€ones as Building Blocks for the Preparation of Monoâ€and Spirocyclic 4â€CF‹sub›3‹/sub›â€Î²â€Lactams. Asian Journal of Organic Chemistry, 2016, 5, 1480-1491.	1.3	14
96	Synthesis and reactivity of non-activated 2-(chloromethyl)aziridines. Tetrahedron Letters, 2011, 52, 4529-4532.	0.7	13
97	Synthesis of 2-aryl-3-(2-cyanoethyl)aziridines and their chemical and enzymatic hydrolysis towards Î³-lactams and Î³-lactones. Organic and Biomolecular Chemistry, 2015, 13, 2716-2725.	1.5	13
98	Synthesis and Antimicrobial/Cytotoxic Assessment of Ferrocenyl Oxazinanes, Oxazinan-2-ones, and Tetrahydropyrimidin-2-ones. Synlett, 2015, 26, 1195-1200.	1.0	13
99	Synthesis and cytotoxic evaluation of novel dihydrobenzo[h]cinnoline-5,6-diones. Tetrahedron Letters, 2015, 56, 5855-5858.	0.7	13
100	Synthesis and biological assessment of novel N -(hydroxy/methoxy)alkyl Î²-enaminone curcuminoids. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5650-5656.	1.0	13
101	Asymmetric Synthesis of 3,4-Disubstituted 2-(Trifluoromethyl)pyrrolidines through Rearrangement of Chiral 2-(2,2,2-Trifluoro-1-hydroxyethyl)azetidines. Journal of Organic Chemistry, 2017, 82, 10092-10109.	1.7	13
102	In Silico Design and Enantioselective Synthesis of Functionalized Monocyclic 3â€Aminoâ€1â€carboxymethylâ€Î²â€lactams as Inhibitors of Penicillinâ€Binding Proteins of Resistant Bacteria. Chemistry - A European Journal, 2018, 24, 15254-15266.	1.7	13
103	Synthesis and cytotoxic evaluation of novel indenoisoquinoline-propan-2-ol hybrids. Tetrahedron Letters, 2016, 57, 466-471.	0.7	12
104	Synthesis of Nonâ€Symmetrical Nitrogenâ€Containing Curcuminoids in the Pursuit of New Anticancer Candidates. ChemistryOpen, 2019, 8, 236-247.	0.9	12
105	Synthesis of Stereodefined 3,4-Disubstituted Piperidines through Rearrangement of 2-(2-Bromo-1,1-dimethylethyl)azetidines. Heterocycles, 2012, 84, 431.	0.4	11
106	Synthesis of 3-functionalized 3-methylazetidines. Tetrahedron Letters, 2012, 53, 107-110.	0.7	11
107	A convenient approach towards the 1-aminomethyl-1-fluorocycloalkane scaffold. Tetrahedron Letters, 2013, 54, 6110-6113.	0.7	11
108	Use of 3-Hydroxy-4-(trifluoromethyl)azetidin-2-ones as Building Blocks for the Preparation of Trifluoromethyl-Containing Aminopropanes, 1,3-Oxazinan-2-ones, Aziridines, and 1,4-Dioxan-2-ones. Synthesis, 2018, 50, 1439-1456.	1.2	11

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109	Chemoenzymatic Approach toward the Synthesis of 3-O-(Î±/Î²)-Glucosylated 3-Hydroxy-Î²-lactams. ACS Omega, 2018, 3, 15235-15245.	1.6	11
110	Synthesis of quaternary allylammonium salts via ring opening of 1-benzyl-2-(bromomethyl)aziridines. Tetrahedron, 2003, 59, 5383-5386.	1.0	10
111	Diastereoselective synthesis of 3-acetoxy-4-(3-aryloxiran-2-yl)azetidin-2-ones and their transformation into 3,4-oxolane-fused bicyclic Î²-lactams. Organic and Biomolecular Chemistry, 2016, 14, 11279-11288.	1.5	10
112	Synthesis of 1,4â€Thiazepaneâ€Based Curcuminoids with Promising Anticancer Activity. Chemistry - A European Journal, 2019, 25, 12583-12600.	1.7	10
113	Î±â€Unsaturated 3â€Aminoâ€1â€carboxymethylâ€Î²â€lactams as Bacterial PBP Inhibitors: Synthesis and Biochemical Assessment. Chemistry - A European Journal, 2019, 25, 16128-16140.	1.7	10
114	Electrophile-induced bromocyclization of Î³,Î´-unsaturated ketimines to intermediate 1-pyrrolinium salts and their selective conversion into novel 5-alkoxymethyl-2-aryl-3-chloropyrroles and 2-aroylpyrroles. Organic and Biomolecular Chemistry, 2008, 6, 3667.	1.5	9
115	Synthesis of Novel Thymine-Î²-lactam Hybrids and Evaluation of Their Antitumor Activity. Synthesis, 2014, 46, 2436-2444.	1.2	9
116	Front Cover Picture: Bicyclic Aziridinium Ions in Azaheterocyclic Chemistry - Preparation and Synthetic Application of 1-Azoniabicyclo[n.1.0]alkanes (Adv. Synth. Catal. 22/2016). Advanced Synthesis and Catalysis, 2016, 358, 3483-3483.	2.1	9
117	LiAlH₄â€induced Thiaâ€Azaâ€Payne Rearrangement of Functionalized 2â€(Thiocyanatomethyl)aziridines into 2â€(Aminomethyl)thiiranes as an Entry to 5â€(Chloromethyl)thiazolidinâ€2â€ones. European Journal of Organic Chemistry, 2017, 2017, 3229-3233.	1.2	9
118	Stereospecific aziridination of olefins via electrophile-induced cyclization of Î³,Î´-unsaturated imines and subsequent hydrolytic rearrangement. Chemical Communications, 2007, , 1927-1929.	2.2	8
119	Synthesis of 2-aminomethyl-4-phenyl-1-azabicyclo[2.2.1]heptanes via LiAlH4-induced reductive cyclization of 2-(4-chloro-2-cyano-2-phenylbutyl)aziridines and evaluation of their antimalarial activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1507-1510.	1.0	8
120	Reactivity of 3â€Oxoâ€Î²â€lactams with Respect to Primary Aminesâ€”An Experimental and Computational Approach. Chemistry - A European Journal, 2017, 23, 18002-18009.	1.7	8
121	Synthesis and cytotoxic evaluation of monocarbonyl curcuminoids and their pyrazoline derivatives. Monatshefte FÃ¼r Chemie, 2019, 150, 2045-2051.	0.9	8
122	Identification of mercaptoacetamide-based HDAC6 inhibitors via a lean inhibitor strategy: screening, synthesis, and biological evaluation. Chemical Communications, 2022, 58, 6239-6242.	2.2	8
123	A new route towards N-(Î±-methoxybenzyl)aziridines. Tetrahedron Letters, 2003, 44, 1137-1139.	0.7	7
124	A nitrilase-mediated entry to 4-carboxymethyl-Î²-lactams from chemically prepared 4-(cyanomethyl)azetidin-2-ones. RSC Advances, 2016, 6, 54573-54579.	1.7	7
125	Evolution of Phosphorylases from N-Acetylglucosaminide Hydrolases in Family GH3. ACS Catalysis, 2021, 11, 6225-6233.	5.5	7
126	Synthesis of bicyclic carbamates as precursors of Sedum alkaloid derivatives. Tetrahedron, 2005, 61, 1595-1602.	1.0	6

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127	Opposite Regioselectivity in the Sequential Ring-Opening of 2-(Alkanoyloxymethyl)aziridinium Salts by Bromide and Fluoride in the Synthesis of Functionalized Î²-Fluoro Amines. Synlett, 2006, 2006, 2089-2093.	1.0	6
128	Synthesis of piperidin-4-ones starting from 2-(2-bromo-1,1-dimethylethyl)azetidines and 2-(2-mesyloxyethyl)azetidines through a ring expansionâ€“oxidation protocol. Tetrahedron, 2013, 69, 2603-2607.	1.0	6
129	Synthesis and reactivity of 4-(trifluoromethyl)azetidin-2-ones. Monatshefte FÃ¼r Chemie, 2018, 149, 687-700.	0.9	6
130	Synthesis of Novel Nitroxoline Analogs with Potent Cathepsin B Exopeptidase Inhibitory Activity. ChemMedChem, 2020, 15, 2477-2490.	1.6	6
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