Bertrand Carboni

List of Publications by Year
in descending order

111 papers	3,564 citations	126907 33 h-index	175258 52 g-index
126 all docs	126 docs citations	126 times ranked	2928 citing authors

#	Article	IF	Citations
1	Simmonsâ€“Smith Cyclopropanation of Alkenyl 1,2-Bis(boronates): Stereoselective Access to Functionalized Cyclopropyl Derivatives. Journal of Organic Chemistry, 2022, 87, 7649-7657.	3.2	15
2	Facile synthesis of 5-arylidene rhodanine derivatives using Na2SO3 as an eco-friendly catalyst. Access to 2-mercapto-3-aryl-acrylic acids and a benzoxaborole derivative. Tetrahedron Letters, 2021, 62, 152690.	1.4	6
3	Circularly Polarized Fluorescent Heliceneâ€Boranils: Synthesis, Photophysical and Chiroptical Properties. Chemistry - A European Journal, 2021, 27, 7959-7967.	3.3	24
4	Copper-Mediated Synthesis of (E)-1-Azido and (Z)-1,2-Diazido Alkenes from 1-Alkene-1,2-diboronic Esters: An Approach to Mono- and 1,2-Di-(1,2,3-Triazolyl)-Alkenes and Fused Bis-(1,2,3-Triazolo)-Pyrazines. Journal of Organic Chemistry, 2020, 85, 15104-15115.	3.2	8
5	Access to Fused Pyrroles from Cyclic 1,3-Dienyl Boronic Esters and Arylnitroso Compounds. Journal of Organic Chemistry, 2020, 85, 5173-5182.	3.2	9
6	Synthesis of novel 3-(quinazol-2-yl)-quinolines via SNAr and aluminum chloride-induced (hetero) arylation reactions and biological evaluation as proteasome inhibitors. Tetrahedron Letters, 2020, 61, 151805.	1.4	2
7	Generating Skeletal Diversity and Complexity from Boronâ€Substituted 1,3â€Dienes and Enophiles. European Journal of Organic Chemistry, 2020, 2020, 3282-3293.	2.4	4
8	AlCl3-promoted reaction of cycloalkanones with hydrazones: a convenient direct synthesis of 4,5,6,7-tetrahydro-1H-indazoles and their analogues. Tetrahedron Letters, 2019, 60, 150988.	1.4	4
9	Ene reactions of 2-borylated Î±-methylstyrenes: a practical route to 4-methylenechromanes and derivatives. Organic and Biomolecular Chemistry, 2019, 17, 5789-5800.	2.8	4
10	An Enantiopure Cyclometallated Iridium Complex Displaying Longâ€Lived Phosphorescence both in Solution and in the Solid State. Helvetica Chimica Acta, 2019, 102, e1900044.	1.6	30
11	Function-Oriented Synthesis toward Peloruside A Analogues. Organic Letters, 2019, 21, 2988-2992.	4.6	5
12	Synthesis of Polysubstituted Isoquinolines and Related Fused Pyridines from Alkenyl Boronic Esters via a Copper-Catalyzed Azidation/Aza-Wittig Condensation Sequence. Journal of Organic Chemistry, 2018, 83, 843-853.	3.2	23
13	A Dienyl Boronateâ€Aryl Nitroso Ene Reaction Entry to Câ€Pyrrolyl Nitrones and Subsequent Conversion to Isoxazolidines. ChemistrySelect, 2018, 3, 4557-4561.	1.5	5
14	Palladiumâ€Catalyzed Crossâ€Coupling/Annulation Cascade for Synthesis of 9â€Hydroxy and 9â€Aminofluorenes.. Advanced Synthesis and Catalysis, 2018, 360, 235-241.	4.3	9
15	Synthesis of Carbo[6]helicene Derivatives Grafted with Amino or Aminoester Substituents from Enantiopure [6]Helicenyl Boronates. Journal of Organic Chemistry, 2018, 83, 484-490.	3.2	19
16	Stereodivergent approach in the protected glycal synthesis of L-vancosamine, L-saccharosamine, L-daunosamine and L-ristosamine involving a ring-closing metathesis step. Beilstein Journal of Organic Chemistry, 2018, 14, 2949-2955.	2.2	6
17	1,3-Dioxa-[3,3]-sigmatropic Oxo-Rearrangement of Substituted Allylic Carbamates: Scope and Mechanistic Studies. Journal of Organic Chemistry, 2018, 83, 14861-14881.	3.2	10
18	Synthesis of 1-Amino-1H-Indenes via a Sequential Suzukiâ€“Miyaura Coupling/Petasis Condensation Sequence. Journal of Organic Chemistry, 2017, 82, 1803-1811.	3.2	13

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19	The Allyl Cyanate/Isocyanate Rearrangement: An Efficient Tool for the Stereocontrolled Formation of Allylic Câ€“N Bonds. European Journal of Organic Chemistry, 2017, 2017, 1295-1307.	2.4	18
20	Stereospecific Synthesis of Î±-Amino Allylsilane Derivatives through a [3,3]-Allyl Cyanate Rearrangement. Mild Formation of Functionalized Disiloxanes. Journal of Organic Chemistry, 2016, 81, 4633-4644.	3.2	16
21	[3,3]â€Sigmatropic Rearrangement/Allylboration/Cyclization Sequence: Enantioenriched Sevenâ€Memberedâ€Ring Carbamates and Ring Contraction to Pyrrolidines. Angewandte Chemie, 2016, 128, 1037-1041.	2.0	6
22	[3,3]â€Sigmatropic Rearrangement/Allylboration/Cyclization Sequence: Enantioenriched Sevenâ€Memberedâ€Ring Carbamates and Ring Contraction to Pyrrolidines. Angewandte Chemie - International Edition, 2016, 55, 1025-1029.	13.8	25
23	A Diastereoselective Route to transâ€2â€Arylâ€2,3â€dihydrobenzofurans through Sequential Crossâ€Metathesis/Isomerization/Allylboration Reactions: Synthesis of Bioactive Neolignans. European Journal of Organic Chemistry, 2015, 2015, 2470-2481.	2.4	23
24	Regioisomeric and Substituent Effects upon the Outcome of the Reaction of 1-Borodienes with Nitrosoarene Compounds. Journal of Organic Chemistry, 2015, 80, 6574-6583.	3.2	32
25	Boron-substituted 1,3-dienes and heterodienes as key elements in multicomponent processes. Beilstein Journal of Organic Chemistry, 2014, 10, 237-250.	2.2	40
26	Regio- and Stereocontrolled Access to Î³-Boronated Unsaturated Amino Esters and Derivatives from (Z)-Alkenyl 1,2-Bis(boronates). Journal of Organic Chemistry, 2014, 79, 783-789.	3.2	21
27	A new and efficient one-pot synthesis of 2-hydroxy-1,4-dihydrobenzoxazines via a three-component Petasis reaction. Tetrahedron Letters, 2014, 55, 5124-5128.	1.4	16
28	Crossâ€Metathesis/Isomerization/Allylboration Sequence for a Diastereoselective Synthesis of Antiâ€Homoallylic Alcohols from Allylbenzene Derivatives and Aldehydes. Chemistry - A European Journal, 2014, 20, 14518-14523.	3.3	29
29	Rutheniumâ€Catalyzed Oneâ€Pot Synthesis of (E)â€(2â€Arylvinyl)boronates through an Isomerization/Crossâ€Metathesis Sequence from Allylâ€Substituted Aromatics. European Journal of Organic Chemistry, 2014, 2014, 3328-3333.	2.4	21
30	A DMAP-catalyzed mild and efficient synthesis of 1,2-dihydroquinazolines via a one-pot three-component protocol. Tetrahedron Letters, 2014, 55, 200-204.	1.4	45
31	A novel, efficient synthesis of N-aryl pyrroles via reaction of 1-boronodienes with arylnitroso compounds. Chemical Communications, 2013, 49, 5414.	4.1	26
32	Efficient synthesis and X-ray structures of new Î±-quinolin-3-yl-Î±-aminonitriles and derivatives. Tetrahedron Letters, 2013, 54, 749-752.	1.4	7
33	Convergent Strategy Towards the Synthesis of Restricted Analogues of Peloruside A. European Journal of Organic Chemistry, 2013, 2013, 2303-2315.	2.4	14
34	[3,3]-Sigmatropic Rearrangement of Boronated Allylcyanates: A New Route to Î±-Aminoboronate Derivatives and Trisubstituted Tetrahydrofurans. Organic Letters, 2013, 15, 2712-2715.	4.6	35
35	Synthesis of Alkenyl Boronates from Allyl-Substituted Aromatics Using an Olefin Cross-Metathesis Protocol. Journal of Organic Chemistry, 2013, 78, 6786-6792.	3.2	39
36	Synthesis and antibacterial activity of novel neamine derivatives: preponderant role of the substituent position on the neamine core. Organic and Biomolecular Chemistry, 2012, 10, 4720.	2.8	4

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37	Phenylboronic acid as an efficient and convenient catalyst for a three-component synthesis of tetrahydrobenzo[b]pyrans. Comptes Rendus Chimie, 2012, 15, 394-397.	0.5	72
38	Oneâ€Step Synthesis of Strained Bicyclic Carboxylic and Boronic Amino Esters via Ruthâ€Catalysed Tandem Carbene Addition/Cyclopropanation of Enynes. Advanced Synthesis and Catalysis, 2012, 354, 1919-1925.	4.3	17
39	Aminoboronic acids and esters: from synthetic challenges to the discovery of unique classes of enzyme inhibitors. Chemical Society Reviews, 2011, 40, 3895.	38.1	126
40	Iridiumâ€Catalyzed Allylic Amination Route to Î±â€Aminoboronates: Illustration of the Decisive Role of Boron Substituents. Advanced Synthesis and Catalysis, 2011, 353, 3391-3396.	4.3	20
41	Boronâ€and Siliconâ€Substituted [3]â€1â€Heterodendralenes as Versatile Building Blocks for the Rapid Construction of Polycyclic Architectures. Chemistry - A European Journal, 2011, 17, 13670-13675.	3.3	26
42	Efficient Syntheses of New Chromone- and Chromanequinoline Hybrids and their Aza-analogs. Letters in Organic Chemistry, 2011, 8, 374-379.	0.5	9
43	A New Access to the 6,8-Dioxabicyclo[3.2.1]octane Ring System Using a Three-Component Reaction: Enantioselective Synthesis of (+)-iso-exo-Brevicomin. Synlett, 2010, 2010, 207-210.	1.8	4
44	Triethylamine Promoted Efficient Synthesis of 3,4-Dihydropyrimidin- 2(1H)-ones/thiones Using a Solvent-Free Biginelli Condensation. Letters in Organic Chemistry, 2010, 7, 272-276.	0.5	12
45	S_N2â€² Boronâ€Mediated Mitsunobu Reactions â€“ A New Oneâ€Pot Threeâ€Component Synthesis of Substituted Enamides and Enol Benzoates. European Journal of Organic Chemistry, 2009, 2009, 329-333.	2.4	40
46	An efficient one-step synthesis of 1,4-dihydropyridines via a triphenylphosphine-catalyzed three-component Hantzsch reaction under mild conditions. Tetrahedron Letters, 2009, 50, 5248-5250.	1.4	155
47	Rutheniumâ€Catalyzed Synthesis of Allylic Alcohols: Boronic Acid as a Hydroxide Source. Chemistry - A European Journal, 2008, 14, 5630-5637.	3.3	56
48	Stereoselective Synthesis of (+)â€Goniodiol, (+)â€Goniotriol, (â€“)â€Goniofupyrone, and (+)â€Altholactone Using a Catalytic Asymmetric Heteroâ€Dielsâ€“Alder/Allylboration Approach. European Journal of Organic Chemistry, 2008, 2008, 4900-4907.	2.4	36
49	Pentamethylcyclopentadienyl ruthenium: an efficient catalyst for the redox isomerization of functionalized allylic alcohols into carbonyl compounds. Tetrahedron, 2008, 64, 11745-11750.	1.9	51
50	One-Pot Synthesis of 1,4-Dihydropyridines via a Phenylboronic Acid Catalyzed Hantzsch Three-Component Reaction. Synlett, 2008, 2008, 509-512.	1.8	109
51	(E)-Î±-Substituted Î³-Alkoxyallylboronic Esters as New Reagents:Â Synthesis and Reactivity toward Aldehydes. Journal of Organic Chemistry, 2007, 72, 984-989.	3.2	31
52	Solvent-free one-pot four-component synthesis of 2-aminomorpholines. Access to related diaminoalcohols. Green Chemistry, 2007, 9, 125-126.	9.0	26
53	Boronated Enynes as Versatile Sources of Stereodefined and Skeletally Diverse Molecules. Organic Letters, 2007, 9, 1717-1720.	4.6	48
54	Stereoselective synthesis of 2-hydroxymorpholines and aminodiols via a three-component boro-Mannich reaction. Tetrahedron, 2006, 62, 4027-4037.	1.9	27

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55	First synthesis of (+)-8-methoxygoniodiol and its analogue, 8-deoxygoniodiol, using a three component strategy. Tetrahedron Letters, 2006, 47, 4545-4548.	1.4	23
56	Phenylboronic acid as a mild and efficient catalyst for Biginelli reaction. Tetrahedron Letters, 2006, 47, 5697-5699.	1.4	99
57	Catalytic Enantioselective Three-Component Hetero-[4+2] Cycloaddition/Allylboration Approach to Î±-Hydroxyalkyl Pyrans: Scope, Limitations, and Mechanistic Proposal. Chemistry - A European Journal, 2006, 12, 3132-3142.	3.3	75
58	Cycloadditions and Other Additions to Alkenyl-, Alkynyl- and Dienyl Boronic Esters. , 2006, , 343-376.		5
59	Synthesis of New Boron Analogues of Cyclic Carboxylic ?-Amino Acids Using Ring-Closing Metathesis Reactions.. ChemInform, 2005, 36, no.	0.0	0
60	A Concise Synthesis of (+)-Goniodiol Using a Catalytic Hetero Diels-Alder/Allylboration Sequence. Synlett, 2005, 2005, 1462-1464.	1.8	3
61	An Opened Route to 1,3-Dimethylenecyclobutanes via Sequential Ruthenium-Catalyzed [2 + 2] Cycloaddition of Allenyl Boronate and Palladium Suzuki Coupling. Journal of the American Chemical Society, 2005, 127, 11582-11583.	13.7	52
62	1,3-Dipolar cycloadditions of azomethine ylides to alkenylboronic esters. Access to substituted boron analogues of Î²-proline and 3-hydroxypyrrolidines. Tetrahedron Letters, 2004, 45, 1969-1972.	1.4	20
63	Synthesis of new boron analogues of cyclic carboxylic Î±-amino acids using ring-closing metathesis reactions. Tetrahedron Letters, 2004, 45, 8749-8751.	1.4	18
64	Efficient Asymmetric Synthesis of 2,6-Disubstituted 2H-Dihydropyransvia a Catalytic Hetero-Dielsâ€“Alder/Allylboration Sequence. Advanced Synthesis and Catalysis, 2003, 345, 1215-1219.	4.3	47
65	A novel diastereoselective route to Î±-hydroxyalkyl dihydropyrans using a hetero Dielsâ€“Alder/allylboration sequence. Chemical Communications, 2003, , 276-277.	4.1	31
66	A novel diastereoselective route to alpha-hydroxyalkyl dihydropyrans using a hetero Diels-Alder/allylboration sequence. Chemical Communications, 2003, , 276-7.	4.1	3
67	[4+3] versus [4+2] Mechanisms in the Dimerization of 2-Boryl-1,3-butadienes. A Theoretical and Experimental Study. Journal of Organic Chemistry, 2002, 67, 9153-9161.	3.2	26
68	Chiral boronatesâ€”versatile reagents in asymmetric synthesis. Journal of Organometallic Chemistry, 2002, 657, 136-145.	1.8	56
69	(Z)-1,4-Diamino-2-butene as a vector of boron, fluorine, or iodine for cancer therapy and imaging: synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2002, 10, 2863-2871.	3.0	21
70	Metal-Catalyzed Release of Supported Boronic Acids for Câ€“C Bond Formation. Organic Letters, 2001, 3, 803-805.	4.6	61
71	Modeling the 1,3-Dipolar Cycloaddition of Nitrones to Vinylboranes in Competition with Boration, Cyclization, and Oxidation Reactions. Journal of Organic Chemistry, 2001, 66, 2449-2458.	3.2	25
72	A new access to 2-hydroxymorpholines through a three-component Petasis coupling reaction. Tetrahedron Letters, 2001, 42, 3591-3594.	1.4	42

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73	Creation of New Boronâ€“Carbon Bonds by Dichlorocarbene Insertion into the Boronâ€“Hydrogen Bond of Amineâ€“ and Phosphineâ€“Boranes. Tetrahedron, 2000, 56, 6039-6046.	1.9	39
74	Asymmetric synthesis of a phosphonic analogue of (â^')-allo-norcoronamic acid. Tetrahedron Letters, 2000, 41, 197-199.	1.4	23
75	Boronate linker for â€˜tracelessâ€™ solid-phase synthesis. Chemical Communications, 2000, , 1275-1276.	4.1	26
76	Homologation of Boronic Esters with (Dialkoxymethyl)lithiums. Asymmetric Synthesis of Î±-Alkoxy Boronic Estersâ€. Journal of Organic Chemistry, 2000, 65, 5403-5408.	3.2	18
77	The Influence of Boryl Substituents on the Formation and Reactivity of Adjacent and Vicinal Free Radical Centers. Journal of the American Chemical Society, 2000, 122, 5455-5463.	13.7	83
78	A new synthetic approach to 2-substituted putrescines. Tetrahedron Letters, 1999, 40, 6233-6235.	1.4	6
79	Boronic ester as a linker system for solid phase synthesis. Tetrahedron Letters, 1999, 40, 7979-7983.	1.4	60
80	Recent developments in the chemistry of amine- and phosphine-boranes. Tetrahedron, 1999, 55, 1197-1248.	1.9	211
81	Synthesis of pyrrolidines and piperidines from ï‰-azidoalkylboronic esters. Stereocontrolled access to chiral nonracemic 2-and 3-substituted derivatives. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 1999, 2, 49-55.	0.1	0
82	A new access to Î±-hydroxy boronic esters from Î±-alkoxyorganolithium reagents. Tetrahedron Letters, 1998, 39, 555-556.	1.4	23
83	Hydroborationâ€“azide alkylation as efficient tandem reactions for the synthesis of chiral non racemic substituted pyrrolidines. Journal of Organometallic Chemistry, 1998, 567, 31-37.	1.8	20
84	Solid phase organic synthesis of polyamine derivatives and initial biological evaluation of their antitumoral activity. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 635-640.	2.2	31
85	Synthesis of boronic acid analogs of L-arginine as alternate substrates or inhibitors of nitric oxide synthase. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 2573-2576.	2.2	26
86	Facile determination of the diastereoisomeric purity of 2,3-pinanediol (1-chloroalkyl)boronates. Isolation of boronic esters containing a configurationally stable boron atom. Tetrahedron: Asymmetry, 1997, 8, 1955-1958.	1.8	7
87	Synthesis of functionalized Î³-and Î´-lactones via polymer-bound epoxides. Tetrahedron Letters, 1997, 38, 5153-5156.	1.4	40
88	1,3-Dipolar Cycloadditions to Unsaturated Organoboranes . III - Regio- and Stereocontrolled Access to Boronic Ester Substituted Isoxazolidines.. Tetrahedron Letters, 1997, 38, 6665-6668.	1.4	31
89	Curtius Rearrangement of ï‰-Azido Acid Chlorides: Access to the Corresponding ï‰-Azido Substituted Amines and Carbamates, Useful Building Blocks for Polyamine Syntheses. Synthesis, 1996, 1996, 483-487.	2.3	15
90	Synthesis of a Boronic Acid Analogue of L-Ornithine. Synthesis, 1996, 1996, 1371-1374.	2.3	15

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91	Radical Reactions in Organoboron Chemistry. III -Addition Reactions to Alkynylboranes as Efficient Routes to New Regio- and Stereodefined Alkenyl Diamino- and Dialkoxyboranes. Synlett, 1996, 1996, 377-379.	1.8	40
92	Hydroboration of Methyl 2-Acetamidoacrylate. II - New Aspects of the Reactivity of the Resulting Oxytriorganoborates.. Tetrahedron Letters, 1995, 36, 6875-6878.	1.4	0
93	Radical reactions in organoboron chemistry II â€" Inter- and intramolecular addition of carbon centered radicals to alkenylboranes. Tetrahedron, 1995, 51, 6999-7018.	1.9	79
94	Hydroboration of methyl 2-acetamidoacrylate. Characterisation and nucleophilic reactivity of the resulting oxytriorganoborate. Tetrahedron Letters, 1995, 36, 3507-3510.	1.4	11
95	Hydroboration of methyl 2-acetamidoacrylate. II â€" new aspects of the reactivity of the resulting oxytriorganoborates. Tetrahedron Letters, 1995, 36, 6875-6878.	1.4	7
96	Rearrangement of lithioalkynyltriorganoborates derived from propargylic acetals : a one pot synthesis of homopropargylic alcohols. Tetrahedron Letters, 1995, 36, 8209-8212.	1.4	3
97	1,3-Cycloaddition of chiral azomethine ylides generated from 2-(tert-butyl)-3-methylimidazolidin-4-one.. Tetrahedron, 1994, 50, 189-198.	1.9	21
98	Synthesis of 2,3,6,7-tetrahydro- and 2,3,4,5,6,7-hexahydro-1H-1,4-diazepines via a tandem Michael-type additionâ€"intramolecular aza-Wittig sequence. Journal of the Chemical Society Perkin Transactions 1, 1993, , 1061-1064.	0.9	8
99	Aliphatic amino azides as key building blocks for efficient polyamine syntheses. Journal of Organic Chemistry, 1993, 58, 3736-3741.	3.2	103
100	Stereoselective Synthesis of Bicyclic Pyrrolidines and Piperidines via the Reductive Alkylation of Azides with Organyldichloroboranes - Intramolecular Nucleophilic Substitution Tandem Sequence. Synlett, 1993, 1993, 595-597.	1.8	9
101	Halosulphonylation of Unsaturated Boronic Esters: Access to New Electron-Deficient Alkenes and Dienes. Synlett, 1992, 1992, 581-584.	1.8	42
102	An Efficient Synthesis of N,N'-Substituted Symmetrical Diamines. Synthetic Communications, 1992, 22, 665-671.	2.1	9
103	Dienophilic activity of vinyldichloroboranes and their use as partners in Dielsâ€"Alderâ€"reductive alkylation of azides in a one-pot reaction. Journal of the Chemical Society Chemical Communications, 1992, , 1105-1107.	2.0	33
104	A new route to 3-deoxy-d-manno2-octulosonic acid: felkin-anh rule in radical chemistry. Tetrahedron Letters, 1992, 33, 2673-2676.	1.4	30
105	Synthesis of 1,2-aminoazides. Conversion to unsymmetrical vicinal diamines by catalytic hydrogenation or reductive alkylation with dichloroboranes.. Tetrahedron, 1991, 47, 8177-8194.	1.9	34
106	Synthesis of Cyclopropylboronic Acid Esters by Carbene Transfer to 1-Alkenylboronic Acid Esters. Synthesis, 1991, 1991, 605-609.	2.3	92
107	A convenient highly stereoselective synthesis of cyclopropylboronates. Tetrahedron Letters, 1989, 30, 4815-4818.	1.4	52
108	Synthesis of pyrrolidines and piperidines via intramolecular cyclisation of Ï‰-azidoalkyl boronic esters. Journal of the Chemical Society Chemical Communications, 1989, , 142-143.	2.0	29

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109	Electronic Structure and Gasâ€Phase Thermolysis of Substituted Tetrazolines Studied by Photoelectron Spectroscopy. Chemische Berichte, 1988, 121, 1213-1217.	0.2	17
110	Diels-Alder reactions of 1,3-dienylboronates as a new route to functionalized carbocycles.. Tetrahedron Letters, 1987, 28, 4169-4172.	1.4	107
111	Cycloaddition d'azides aux sels de nitrilium; obtention de sels de tetrazolium et de tetrazolines. Tetrahedron, 1984, 40, 4115-4126.	1.9	26