

Mikhail S. Novikov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/51055/publications.pdf>

Version: 2024-02-01

180
papers

3,302
citations

159358

30
h-index

253896

43
g-index

225
all docs

225
docs citations

225
times ranked

1636
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in 2H-azirine chemistry. <i>Tetrahedron</i> , 2013, 69, 3363-3401.	1.0	181
2	Advances in 2H-azirine chemistry: A seven-year update. <i>Tetrahedron</i> , 2019, 75, 2555-2624.	1.0	103
3	Recent advances in isoxazole chemistry. <i>Russian Chemical Reviews</i> , 2015, 84, 335-377.	2.5	77
4	Modern Trends of Organic Chemistry in Russian Universities. <i>Russian Journal of Organic Chemistry</i> , 2018, 54, 157-371.	0.3	68
5	Switchable Synthesis of Pyrroles and Pyrazines via Rh(II)-Catalyzed Reaction of 1,2,3-Triazoles with Isoxazoles: Experimental and DFT Evidence for the 1,4-Diazahexatriene Intermediate. <i>Journal of Organic Chemistry</i> , 2017, 82, 256-268.	1.7	58
6	The first example of intramolecular cycloaddition of carbene-derived azomethine ylides in a domino reaction of difluorocarbene with Schiff bases. <i>Tetrahedron Letters</i> , 2001, 42, 533-535.	0.7	49
7	A Novel Strategy for the Synthesis of 3-(<i>N</i> -Heteryl)pyrrole Derivatives. <i>Organic Letters</i> , 2012, 14, 3768-3771.	2.4	48
8	1,3-Dipolar cycloaddition of azomethine ylides derived from imines and difluorocarbene to alkynes: a new active Pb-mediated approach to 2-fluoropyrrole derivatives. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 231-237.	1.3	47
9	The first example of the generation of azomethine ylides from a fluorocarbene: 1,3-cyclization and 1,3-dipolar cycloaddition. <i>Tetrahedron Letters</i> , 2005, 46, 8337-8340.	0.7	47
10	Domino transformation of isoxazoles to 2,4-dicarbonylpyrroles under Fe/Ni relay catalysis. <i>RSC Advances</i> , 2015, 5, 18172-18176.	1.7	44
11	Iminium ylides from carbenes and carbenoids: generation and synthetic applications. <i>Russian Chemical Reviews</i> , 2005, 74, 171-192.	2.5	43
12	New applications of pyridinium ylides toward heterocyclic synthesis. <i>Tetrahedron</i> , 2020, 76, 131415.	1.0	43
13	Cu(I)-NHC-Catalyzed (2 + 3)-Annulation of Tetramic Acids with 2-H-Azirines: Stereoselective Synthesis of Functionalized Hexahydropyrrolo[3,4- <i>b</i>]pyrroles. <i>Organic Letters</i> , 2015, 17, 4148-4151.	2.4	42
14	Pseudopericyclic 1,5- versus Pericyclic 1,4- and 1,6-Electrocyclization in Electron-Poor 4-Aryl-2-azabuta-1,3-dienes: Indole Synthesis from 2-H-Azirines and Diazo Compounds. <i>Journal of Organic Chemistry</i> , 2015, 80, 18-29.	1.7	42
15	Fe(II)-Catalyzed Isomerization of 4-Vinylisoxazoles into Pyrroles. <i>Journal of Organic Chemistry</i> , 2017, 82, 8568-8579.	1.7	42
16	Isoxazole-azirine isomerization as a reactivity switch in the synthesis of heterocycles. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 637-650.	0.6	40
17	4-Halo-2-azabuta-1,3-dienes as intermediates in the rhodium carbenoid-initiated transformation of 2-halo-2H-azirines into 2,3-dihydroazetes and 2,5-dihydrooxazoles. <i>Tetrahedron</i> , 2015, 71, 4616-4628.	1.0	39
18	Cu(II)-catalyzed domino reaction of 2H-azirines with diazotetramic and diazotetronic acids. Synthesis of 2-substituted 2H-1,2,3-triazoles. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5535.	1.5	38

#	ARTICLE	IF	CITATIONS
19	Rh(II)-carbenoid mediated 2H-azirine ring-expansion as a convenient route to non-fused photo- and thermochromic 2H-1,4-oxazines. <i>Tetrahedron</i> , 2013, 69, 4292-4301.	1.0	38
20	Reactions of 2H-azirines with carbenoids from diazo esters: transformations of novel azirinium ylides. <i>Tetrahedron Letters</i> , 2004, 45, 6003-6006.	0.7	37
21	A novel strategy for the synthesis of thermally stable and apoptosis-inducing 2,3-dihydroazetes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4479-4487.	1.5	37
22	Isoxazole Strategy for the Synthesis of β -Aminopyrrole Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 11275-11285.	1.7	37
23	Dibenzoxazepinium Ylides: Facile Access and 1,3-Dipolar Cycloaddition Reactions. <i>Organic Letters</i> , 2009, 11, 979-982.	2.4	35
24	Fe(II)/Au(I) Relay Catalyzed Propargylisoxazole to Pyridine Isomerization: Access to 6-Halonicotines. <i>Journal of Organic Chemistry</i> , 2017, 82, 5367-5379.	1.7	34
25	Switchable Synthesis of 4,5-Functionalized 1,2,3-Thiadiazoles and 1,2,3-Triazoles from 2-Cyanothioacetamides under Diazo Group Transfer Conditions. <i>Journal of Organic Chemistry</i> , 2017, 82, 4056-4071.	1.7	34
26	Facile Access to Bicyclic Sultams with Methyl β -Sulfonylcyclopropane- α -carboxylate Moieties. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2635-2641.	1.2	32
27	Rh(II)-Catalyzed reactions of 2H-azirines with ethyl 2-acyl-2-diazoacetates. Synthesis of novel photochromic oxazines. <i>Tetrahedron Letters</i> , 2009, 50, 6509-6511.	0.7	32
28	Fe(II)-Catalyzed Isomerization of 5-Chloroisoxazoles to 2-H-Azirine-2-carbonyl Chlorides as a Key Stage in the Synthesis of Pyrazole-Nitrogen Heterocycle Dyads. <i>Journal of Organic Chemistry</i> , 2018, 83, 3177-3187.	1.7	32
29	Stereoselective Cycloaddition of Dibenzoxazepinium Ylides to Acetylenes and Fullerene C ₆₀ . Conformational Behavior of 3-Aryldibenzo[b,f]pyrrolo[1,2-d][1,4]oxazepine Systems. <i>Journal of Organic Chemistry</i> , 2010, 75, 5211-5215.	1.7	31
30	Ring Expansions of Azirines and Azetines. <i>Topics in Heterocyclic Chemistry</i> , 2015, , 143-232.	0.2	31
31	Rh(II)-Catalyzed Transannulation of 1,2,4-Oxadiazole Derivatives with 1-Sulfonyl-1,2,3-triazoles: Regioselective Synthesis of 5-Sulfonamidoimidazoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 11232-11244.	1.7	31
32	Fluorinated 4H-1,3-diazepines by reaction of difluorocarbene with 2H-azirines. <i>Tetrahedron Letters</i> , 2006, 47, 639-642.	0.7	30
33	Synthesis of 3-(1,2-dioxoethyl)- and 2,3-dicarbonyl-containing pyrroles. <i>Tetrahedron</i> , 2015, 71, 1940-1951.	1.0	30
34	Synthesis and Intramolecular Azo Coupling of 4-Diazopyrrole-2-carboxylates: Selective Approach to Benzo and Hetero [c]-Fused 6H-Pyrrolo[3,4-c]pyridazine-5-carboxylates. <i>Journal of Organic Chemistry</i> , 2016, 81, 8495-8507.	1.7	30
35	Azirinium ylides from alkoxy-carbonyl-carbenoids and 2H-azirines: Generation and transformations. <i>Russian Journal of Organic Chemistry</i> , 2006, 42, 515-526.	0.3	29
36	An efficient approach to azirino and pyrrolo-fused dibenzazepines. Conformations of substituted dibenzo[c,f]pyrrolo[1,2-a]azepines. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3886.	1.5	28

#	ARTICLE	IF	CITATIONS
37	Synthesis of 1-(2-Aminovinyl)indoles and 1,3- β -Biindoles by Reaction of 2,2-Diaryl-Substituted 2 <i>H</i> -Azirines with $\hat{\pm}$ -Imino Rh(II) Carbenoids. <i>Journal of Organic Chemistry</i> , 2019, 84, 3743-3753.	1.7	28
38	2-Diazoacetyl-2 <i>H</i> -azirines: Source of a Variety of 2 <i>H</i> -Azirine Building Blocks with Orthogonal and Domino Reactivity. <i>Journal of Organic Chemistry</i> , 2018, 83, 8304-8314.	1.7	27
39	Selective syntheses of 2 <i>H</i> -1,3-oxazines and 1 <i>H</i> -pyrrol-3(2 <i>H</i>)-ones via temperature-dependent Rh(II)-carbenoid-mediated 2 <i>H</i> -azirine-ring expansion. <i>Tetrahedron</i> , 2014, 70, 3377-3384.	1.0	26
40	Isoxazolium N-ylides and 1-oxa-5-azahexa-1,3,5-trienes on the way from isoxazoles to 2 <i>H</i> -1,3-oxazines. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1896-1905.	1.3	26
41	A novel approach to 5 <i>H</i> -pyrazino[2,3- <i>b</i>]indoles via annulation of 3-diazoindolin-2-imines with 2 <i>H</i> -azirines or 5-alkoxyisoxazoles under Rh(<i>sc</i>) catalysis. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 38-42.	1.5	26
42	Unprecedented 1,3-Dipolar Cycloaddition of Azomethine Ylides Derived from Difluorocarbene and Imines to Carbonyl Compounds. $\hat{\nu}$ Synthesis of Oxazolidine Derivatives. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 133-137.	1.2	25
43	[2 + 1 + 1] Assembly of spiro $\hat{2}$ -lactams by Rh(<i>sc</i>)-catalyzed reaction of diazocarbonyl compounds with azirines/isoxazoles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6821-6830.	1.5	25
44	Rh ₂ (OAc) ₄ -catalyzed reaction of $\hat{\pm}$ -diazocarbonyl compounds with 2-carbonyl-substituted 2 <i>H</i> -azirines. <i>Tetrahedron</i> , 2013, 69, 4546-4551.	1.0	24
45	Synthesis, Transformations of Pyrrole- and 1,2,4-Triazole-Containing Ensembles, and Generation of Pyrrole-Substituted Triazole NHC. <i>Journal of Organic Chemistry</i> , 2016, 81, 11210-11221.	1.7	24
46	Rh(II)-Catalyzed Ring Expansion of Pyrazoles with Diazocarbonyl Compounds as a Method for the Preparation of 1,2-Dihydropyrimidines. <i>Journal of Organic Chemistry</i> , 2018, 83, 9210-9219.	1.7	24
47	Synthesis of 3-Alkoxy-4-Pyrrolin-2-ones via Rhodium(II)-Catalyzed Denitrogenative Transannulation of 1 <i>H</i> -1,2,3-Triazoles with Diazo Esters. <i>Organic Letters</i> , 2020, 22, 7958-7963.	2.4	24
48	A facile tandem carbene-ylide route to 2-fluoropyrrole derivatives. <i>Journal of Fluorine Chemistry</i> , 1998, 90, 117-119.	0.9	23
49	Generation and cycloadditions of azirinium difluoromethanides $\hat{\nu}$ strained azomethine ylides. <i>Tetrahedron Letters</i> , 2002, 43, 8523-8525.	0.7	23
50	A facile carbene route to 2-fluoro-2-pyrrolines via fluorinated azomethine ylides. <i>Journal of Fluorine Chemistry</i> , 2003, 123, 177-181.	0.9	22
51	gem-Difluorosubstituted NH-azomethine ylides in the synthesis of 4-fluorooxazolines via the three-component reaction of imines, trifluoroacetophenones and CF ₂ Br ₂ . <i>Tetrahedron Letters</i> , 2008, 49, 1237-1240.	0.7	22
52	Annulation of five-membered cyclic enols with 3-aryl-2 <i>H</i> -azirines: Catalytic versus non-catalytic cycloaddition. <i>Tetrahedron</i> , 2017, 73, 4663-4670.	1.0	22
53	Isoxazole Strategy for the Synthesis of 2,2'-Bipyridine Ligands: Symmetrical and Unsymmetrical 6,6'-Binicotinates, 2,2'-Bipyridine-5-carboxylates, and Their Metal Complexes. <i>Journal of Organic Chemistry</i> , 2019, 84, 3524-3536.	1.7	22
54	A biocompatible phosphorescent Ir(<i>sc</i>) oxygen sensor functionalized with oligo(ethylene) Tj ETQqO O rgBT /Overlock 10 TF <i>Chemistry</i> , 2020, 44, 10459-10471.	1.4	22

#	ARTICLE	IF	CITATIONS
55	2 <i>H</i> -Azirine-2-carbonyl Azides: Preparation and Use as N-Heterocyclic Building Blocks. <i>Journal of Organic Chemistry</i> , 2020, 85, 4182-4194.	1.7	22
56	Unprecedented 1,3-dipolar cycloaddition of azomethine ylides to ester carbonyl. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 1628-1630.	1.3	21
57	Monofluoro-substituted azomethine ylides in fluorocarbene reactions with imines. Synthesis and transformations of monofluoroaziridines. <i>Russian Journal of Organic Chemistry</i> , 2007, 43, 286-296.	0.3	21
58	Azirinium ylides from α -diazoketones and 2 <i>H</i> -azirines on the route to 2 <i>H</i> -1,4-oxazines: three-membered ring opening vs 1,5-cyclization. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 302-312.	1.3	21
59	Synthesis of 1,2-Dihydropyrimidine-2-carboxylates via Regioselective Addition of Rhodium(II) Carbenoids to 2 <i>H</i> -Azirine-2-carbaldimines. <i>Journal of Organic Chemistry</i> , 2017, 82, 13396-13404.	1.7	21
60	2 <i>H</i> -Azirines as C Annulation Reagents in Cu-Catalyzed Synthesis of Furo[3,2- <i>c</i>]quinolone Derivatives. <i>Organic Letters</i> , 2019, 21, 3615-3619.	2.4	21
61	Generation and 1,3-dipolar cycloadditions of fluorine-containing azomethine ylides derived from difluorocarbene and imines. <i>Tetrahedron Letters</i> , 1997, 38, 4187-4190.	0.7	20
62	Intramolecular 1,3-Dipolar Cycloaddition to Ester Carbonyl of Azomethinyllides Prepared from Aldimines and Difluorocarbene. <i>Russian Journal of Organic Chemistry</i> , 2004, 40, 199-205.	0.3	20
63	A simple approach to pyrrolylimidazole derivatives by azirine ring expansion with imidazolium ylides. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6598-6609.	1.5	20
64	Synthesis of 2-halo-2 <i>H</i> -azirine-2-carboxylic acid amides and esters by isomerization of 5-(dialkylamino/alkoxy)-substituted isoxazoles, catalyzed by iron(II) sulfate. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 1068-1071.	0.6	20
65	An Azirine Strategy for the Synthesis of Alkyl 4-Amino-5-(trifluoromethyl)-1 <i>H</i> -pyrrole-2-carboxylates. <i>Synthesis</i> , 2018, 50, 4809-4822.	1.2	20
66	Selective Cu-Catalyzed Intramolecular Annulation of 3-Aryl/Heteryl-2-(diazoacetyl)-1 <i>H</i> -pyrroles: Synthesis of Benzo/Furo/Thieno[<i>e</i>]-Fused 1 <i>H</i> -Indol-7-oles and Their Transformations. <i>Journal of Organic Chemistry</i> , 2019, 84, 10388-10401.	1.7	20
67	Near-Infrared [Ir(N ⁺) ₂ (N)] ⁺ Emitters and Their Noncovalent Adducts with Human Serum Albumin: Synthesis and Photophysical and Computational Study. <i>Organometallics</i> , 2019, 38, 3740-3751.	1.1	20
68	An Aza Cyclopropylcarbinyl-Homoallyl Radical Rearrangement \rightarrow Radical Cyclization Cascade. Synthesis of Dibenzoimidazoazepine and Oxazepine Derivatives. <i>Journal of Organic Chemistry</i> , 2011, 76, 5384-5391.	1.7	19
69	Synthesis of electron-poor 4-halo-2-azabuta-1,3-dienes by Rh(II)-catalyzed diazo ester \rightarrow azirine coupling. 2-Azabuta-1,3-diene-2,3-dihydroazete valence isomerism. <i>Tetrahedron Letters</i> , 2012, 53, 5777-5780.	0.7	19
70	α -Acyl- α -diazooacetates in Transition-Metal-Free β -Lactam Synthesis. <i>Journal of Organic Chemistry</i> , 2019, 84, 12101-12110.	1.7	19
71	Synthesis of Isoxazole- and Oxazole-4-carboxylic Acids Derivatives by Controlled Isoxazole-Azirine-Isoxazole/Oxazole Isomerization. <i>Journal of Organic Chemistry</i> , 2019, 84, 15567-15577.	1.7	19
72	Nonconcerted Cycloaddition of 2 <i>H</i> -Azirines to Acylketenes: A Route to N-Bridgehead Heterocycles. <i>Journal of Organic Chemistry</i> , 2011, 76, 9344-9352.	1.7	18

#	ARTICLE	IF	CITATIONS
73	Domino reactions of 2 <i>H</i> -azirines with acylketenes from furan-2,3-diones: Competition between the formation of <i>ortho</i> -fused and bridged heterocyclic systems. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 784-793.	1.3	18
74	Metal/organo relay catalysis in a one-pot synthesis of methyl 4-aminopyrrole-2-carboxylates from 5-methoxyisoxazoles and pyridinium ylides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9825-9833.	1.5	18
75	A new heterocyclic skeleton with highly tunable absorption/emission wavelength via H-bonding. <i>RSC Advances</i> , 2015, 5, 94551-94561.	1.7	18
76	Expedient synthesis of 3-hydroxypyrroles via Bu_3SnH -triggered ionic 5- <i>exo-trig</i> -cyclization of 5-chloro-3-azamouconate derivatives. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3396-3401.	2.3	18
77	Intramolecular cycloaddition of azomethine ylides, from imines of <i>O</i> -acylsalicylic aldehyde and ethyl diazoacetate, to ester carbonyl – experimental and DFT computational study. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5582.	1.5	17
78	Pseudopericyclic Dearomative 1,6-Cyclization of $(2\text{-Pyridyl})_2\text{azabuta-1,3-dienes}$: Synthesis and Ring-Chain Valence Equilibria of 4 <i>H</i> - $\text{Pyrido}[1,2\text{-}a]$ pyrazines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2904-2913.	1.2	17
79	A Convenient Synthetic Route to Derivatives of 1,2,3,4-Tetrahydroisoquinoline-1-carboxylic Acid. <i>Synthesis</i> , 1997, 1997, 677-680.	1.2	16
80	Selective transannular ring transformations in azirino-fused eight-membered <i>O,N</i> - or <i>S,N</i> -heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 4040.	1.5	16
81	Fluoroaziridines as novel substrates in the modified Petasis reaction: synthesis of monofluorinated propargyl amines. <i>Tetrahedron</i> , 2008, 64, 117-123.	1.0	16
82	Bicyclic Sultams with a Nitrogen at the Bridgehead and a Sulfur Atom in the Apex Position: Facile Preparation and Conformational Properties. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3481-3486.	1.2	16
83	$\text{Fe(II)/Et}_3\text{N}$ -Relay-catalyzed domino reaction of isoxazoles with imidazolium salts in the synthesis of methyl 4-imidazolylpyrrole-2-carboxylates, its ylide and betaine derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1732-1740.	1.3	15
84	Intramolecular 1,3-Dipolar Cycloaddition of Azomethine Ylides Generated from Ethoxycarbonylcarbenoids and Schiff Bases. <i>Russian Journal of Organic Chemistry</i> , 2005, 41, 1341-1348.	0.3	14
85	Synthesis and reactivity of 3-(2-chloroalkyl)-2,2-dihaloaziridines. <i>Tetrahedron</i> , 2008, 64, 7524-7530.	1.0	14
86	Fused aziridines as sources of azomethine ylides. <i>Chemistry of Heterocyclic Compounds</i> , 2012, 48, 179-190.	0.6	14
87	Bicyclic Piperazine Mimetics of the Peptide β^2 -Turn Assembled via the Castagnoli-Cushman Reaction. <i>Journal of Organic Chemistry</i> , 2018, 83, 5859-5868.	1.7	14
88	Synthesis of Substituted Indole-3-carboxylates by Iron(II)-Catalyzed Domino Isomerization of 3-Alkyl/aryl-4-aryl-5-methoxyisoxazoles. <i>Synthesis</i> , 2018, 50, 2784-2798.	1.2	14
89	Transition Metal-Catalyzed Synthesis of 3-Coumaranone-Containing NH -Aziridines from 2 <i>H</i> -Azirines: Nickel(II) versus Gold(I). <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3359-3372.	2.1	14
90	Reaction of difluorocarbene with 2 <i>H</i> -azirines: generation and transformations of strained azomethine ylides – aziriniodifluoromethanides. <i>Russian Chemical Bulletin</i> , 2004, 53, 1092-1101.	0.4	13

#	ARTICLE	IF	CITATIONS
91	Reactions of 1,5- <i>Î</i> -cyclization of gem-difluoro-substituted azomethine ylides involving an aromatic ring. Russian Journal of Organic Chemistry, 2006, 42, 689-695.	0.3	13
92	Formation and reactivity of gem-difluoro-substituted pyridinium ylides: Experimental and DFT investigation. Journal of Fluorine Chemistry, 2011, 132, 175-180.	0.9	13
93	NHC as the Guiding Factor in a Copper-Catalyzed Intramolecular C Arylation of Pyrrolylimidazolium Salts: Synthesis of Luminescent Heterotetracyclic Frameworks. Journal of Organic Chemistry, 2017, 82, 616-623.	1.7	13
94	Facile access to 2-acyloxy-, aryloxy- and alkenyloxy-2 <i>H</i> -azirines via an S_N2 cascade in 2-halo-2 <i>H</i> -azirines. Organic and Biomolecular Chemistry, 2018, 16, 3248-3257.	1.5	13
95	1,3-Dipolar Cycloaddition of Difluoro-Substituted Azomethine Ylides. Synthesis and Transformations of 2-Fluoro-4,5-dihydropyrroles. Russian Journal of Organic Chemistry, 2005, 41, 1496-1506.	0.3	12
96	Metal-Catalyzed Isomerization of 5-Heteroatom-Substituted Isoxazoles as a New Route to 2-Halo-2 <i>H</i> -azirines. Synthesis, 2017, 28, 4478-4488.	1.2	12
97	Regiodivergent Synthesis of Butenolide-Based $\hat{1}$ - and $\hat{2}$ -Amino Acid Derivatives via Base-Controlled Azirine Ring Expansion. Organic Letters, 2020, 22, 3023-3027.	2.4	12
98	An Isoxazole Strategy for the Synthesis of Fully Substituted Nicotines. Journal of Organic Chemistry, 2021, 86, 6888-6896.	1.7	12
99	1,3- vs. 1,5-cyclization of azomethine ylides derived from 1-azabuta-1,3-dienes and difluoro- and dichlorocarbenes. Experimental and quantum-chemical study. Arkivoc, 2009, 2008, 94-115.	0.3	12
100	Synthesis of Pyrrolotriazoloisoquinoline Frameworks by Intramolecular Cu-Mediated or Free Radical Arylation of Triazoles. Journal of Organic Chemistry, 2017, 82, 7583-7594.	1.7	11
101	Synthesis and properties of new heterocyclic betaines: 4-Aryl-5-(methoxycarbonyl)-2-oxo-3-(pyridin-1-ium-1-yl)-2,3-dihydro-1 <i>H</i> -pyrrol-3-ides. Tetrahedron, 2018, 74, 2466-2474.	1.0	11
102	Easy Access to 2-Fluoro- and 2-Iodo-2 <i>H</i> -azirines via the Halex Reaction. Synthesis, 2019, 51, 4582-4589.	1.2	11
103	Non-natural 2 <i>H</i> -azirine-2-carboxylic acids: an expedient synthesis and antimicrobial activity. RSC Advances, 2019, 9, 37901-37905.	1.7	11
104	1-(2 <i>H</i> -Azirine-2-carbonyl)benzotriazoles: building blocks for the synthesis of pyrrole-containing heterocycles. Organic and Biomolecular Chemistry, 2020, 18, 2283-2296.	1.5	11
105	Buchner Reaction/Azirine Modification Approach Toward Cycloheptatriene Containing Nitrogen Heterocyclic Scaffolds. Journal of Organic Chemistry, 2021, 86, 4098-4111.	1.7	11
106	Redox-active NIR Iridium(III) Emitters: Synthesis, Photophysical and Computational Study, the Effects of Cyclometalating and $\hat{2}$ -diketonate Ligands. European Journal of Inorganic Chemistry, 2021, 2021, 2163-2170.	1.0	11
107	An isoxazole strategy for the synthesis of alkyl 5-amino-4-cyano-1 <i>H</i> -pyrrole-2-carboxylates as versatile building blocks for assembling pyrrole-fused heterocycles. Organic and Biomolecular Chemistry, 2021, 19, 1976-1984.	1.5	11
108	A Facile Synthesis of New Ketenimine Derivatives of $\hat{1}$ -Amino Acids. Synlett, 1997, 1997, 929-930.	1.0	10

#	ARTICLE	IF	CITATIONS
109	Ylides from dihalocarbenes and esters of N-benzhydrylidene amino acids: halogen-dependent reaction pathways. <i>Mendeleev Communications</i> , 1997, 7, 145-146.	0.6	10
110	Title is missing!. <i>Russian Journal of Organic Chemistry</i> , 2002, 38, 1647-1654.	0.3	10
111	Intramolecular 1,3-Dipolar Cycloaddition of Geminal Difluoro Azomethine Ylides at Multiple Carbon-Carbon Bonds. <i>Russian Journal of Organic Chemistry</i> , 2005, 41, 361-369.	0.3	10
112	New type of transannular reactions in azirine-fused medium-size heterocycles: Selective transformations of azirino[2,1-e][1,6]benzoxazocines and -benzothiazocines into oxa(thia)zine and oxa(thia)zole derivatives. <i>Russian Journal of Organic Chemistry</i> , 2007, 43, 1065-1079.	0.3	10
113	Strained iminium ylides. <i>Russian Journal of General Chemistry</i> , 2010, 80, 1652-1666.	0.3	10
114	Synthesis of N-aminopyrazoles by Fe(II)-catalyzed rearrangement of 4-hydrazonomethyl-substituted isoxazoles. <i>Tetrahedron</i> , 2018, 74, 6288-6298.	1.0	10
115	Rhodium-Catalyzed Synthesis of 2-Aroylpyrimidines via Cascade Heteropolyene Rearrangement. <i>Organic Letters</i> , 2021, 23, 6998-7002.	2.4	10
116	Title is missing!. <i>Russian Journal of Organic Chemistry</i> , 2002, 38, 672-682.	0.3	9
117	Cascade Transformations of (2,2-Diaryl-3,3-dichloroaziridin-1-yl)acetates. <i>Russian Journal of Organic Chemistry</i> , 2003, 39, 559-573.	0.3	9
118	New Tandem Reactions of Metal Carbenoids. Intermolecular Formation of Azomethine Ylide from Methyl 2-Diazo-2-phenylacetate and Schiff Base: Intramolecular 1,3-Dipolar Cycloaddition. <i>Russian Journal of Organic Chemistry</i> , 2005, 41, 922-932.	0.3	9
119	A simple route to side-chain fluorinated β -lactams from ring-fluorinated aziridines. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 114-119.	0.9	9
120	Synthesis of 2-(Di/tri/tetraazolyl)-2-azirine-2-carboxylates by Halogen Substitution: Evidence for an S _N 2-S _N 2 Cascade Mechanism. <i>Journal of Organic Chemistry</i> , 2018, 83, 13473-13480.	1.7	9
121	2H-Azirines in medicinal chemistry. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 512-521.	0.6	9
122	Urea to Urea Approach: Access to Unsymmetrical Ureas Bearing Pyridyl Substituents. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1295-1304.	2.1	9
123	Synthesis of Imidazo[1,2-a]pyridines via Near UV Light-Induced Cyclization of Azirinyipyridinium Salts. <i>Journal of Organic Chemistry</i> , 2022, 87, 6514-6519.	1.7	9
124	Intramolecular Cycloaddition of Geminal Dichloroazomethine Ylides to Multiple Carbon-Carbon Bonds. <i>Russian Journal of Organic Chemistry</i> , 2005, 41, 560-566.	0.3	8
125	Azirino[c]imidazolyl ylides in the domino reaction of 2,2-dialkyl-4,6-diaryl-1,3-diazabicyclo[3.1.0]hex-3-enes with dichlorocarbenes. <i>Synthesis of (1R,5SR,) Tj ETQq1 1 0,784314 rgBT /Over</i> <i>Compounds</i> , 2008, 44, 576-584.	0.6	8
126	Azirine-containing dipeptides and depsipeptides: synthesis, transformations and antibacterial activity. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9448-9460.	1.5	8

#	ARTICLE	IF	CITATIONS
127	An Efficient Synthesis of Functionalized 2H-1,3,5-Oxadiazines via Metal-Carbenoid-Induced 1,2,4-Oxadiazole Ring Cleavage. <i>Synthesis</i> , 2021, 53, 348-358.	1.2	8
128	N-tert-Butyl-N-(2,2-dichlorovinyl)carbamoyl Chloride: A Novel Building Block for the Synthesis of Nitrogen Heterocycles. <i>Synthesis</i> , 1994, 1994, 782-784.	1.2	7
129	Azomethine ylides derived from dichlorocarbene and O-acetylsalicylaldehyde anils in the synthesis of 2,5-epoxy-2,3,4,5-tetrahydro-1,4-benzoxazepin-2-ones and 2-aminoethanols. <i>Russian Chemical Bulletin</i> , 2004, 53, 1087-1091.	0.4	7
130	1,3-dipolar cycloaddition of fluorinated azomethine ylides at the C=N bond. <i>Russian Journal of Organic Chemistry</i> , 2004, 40, 1493-1499.	0.3	7
131	Non-pericyclic cycloaddition of gem-difluorosubstituted azomethine ylides to the C=O bond: computational study and synthesis of fluorinated oxazole derivatives. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4579-4586.	1.5	7
132	Synthesis of spirocyclic 3D-pyrrol-4-amines from 2H-azirines and 1-sulfonyl-1,2,3-triazoles. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 946-950.	0.6	7
133	Synthesis of Bi-, Ter-, and Quaterpyridinecarboxylates via Propargylisoxazoleâ€“Pyridine Rearrangement. <i>Journal of Organic Chemistry</i> , 2020, 85, 6109-6122.	1.7	7
134	A Baseâ€“Controlled Reaction of 2â€“Cyanoacetamidines (3,3â€“Diaminoacrylonitriles) with Sulfonyl Azides as a Route to Nonaromatic 4â€“Methyleneâ€“1,2,3â€“triazoleâ€“5â€“Imines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3688-3698.	0.2	7
135	Rhodium-Catalyzed Denitrogenative Diazoleâ€“Triazole Coupling toward Aza-Bridged Structures and Imidazole-Based Chelating Ligands. <i>Organic Letters</i> , 2021, 23, 4173-4178.	2.4	7
136	Nucleophile-Induced Rearrangement of 2-H-Azirine-2-carbonyl Azides to 2-(1-H-Tetrazol-1-yl)acetic Acid Derivatives. <i>Organic Letters</i> , 2021, 23, 6362-6366.	2.4	7
137	Rh-Catalyzed denitrogenative 1-sulfonyl-1,2,3-triazole-1-alkyl-1,2,3-triazole cross-coupling as a route to 3-sulfonamido-1-H-pyrroles and 1,2,3-triazole-3-ium ylides. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1474-1481.	2.3	7
138	An Isoxazole Strategy for Molybdenum-Mediated Synthesis of 5-Mono- and 4,5-Disubstituted 1-H-Pyrrole-2,3-diones. <i>Journal of Organic Chemistry</i> , 2022, , .	1.7	7
139	One-Pot Synthesis of Multifunctionalized 1-Pyrrolines from 2-Alkyl-2-H-azirines and Diazocarbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2022, 87, 8835-8840.	1.7	7
140	(3Z)-2-azahexa-1,3,5-trienes: Generation and regioselectivity of 1,5- and 1,6-cyclizations. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1851-1853.	0.3	6
141	Rh(OAc) ₄ -catalyzed reaction of 2-(2-carbonylvinyl)-3-phenyl-2H-azirines with diazo esters. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 1214-1221.	0.3	6
142	4-Diazo and 4-(Triaz-1-en-1-yl)-1-H-pyrrole-2-carboxylates as Agents Inducing Apoptosis. <i>ChemistrySelect</i> , 2017, 2, 7508-7513.	0.7	6
143	Two-atom azirine ring expansion reaction of methyl 2-diazo-3-(4-methoxyphenyl)-3-oxopropanoate via a dirhodium tetraacetate-catalyzed Wolff rearrangement. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 985-988.	0.6	6
144	Product selectivity of thermal Buchner reaction of methyl 2-(3-arylisoazol-5-yl)-2-diazoacetates with benzene, naphthalene and mesitylene, and ring-opening/closing reaction of products. <i>Tetrahedron</i> , 2021, 88, 132153.	1.0	6

#	ARTICLE	IF	CITATIONS
145	Blue Light-Promoted Cross-Coupling of $\hat{\pm}$ -Diazo Esters with Isocyanides: Synthesis of Ester-Functionalized Ketenimines. <i>ACS Omega</i> , 2022, 7, 9071-9079.	1.6	6
146	Regioselectivity of the 1,3-dipolar cycloaddition of fluorinated fluoren-9-iminium ylides to heteroelement-containing dipolarophiles: Experimental and quantum-chemical study. <i>Russian Journal of Organic Chemistry</i> , 2006, 42, 1800-1812.	0.3	5
147	Isomerization and 1,3-dipolar cycloaddition of gem-difluorinated NH-azomethine ylides in the reaction of difluorocarbene with diarylmethanimines. <i>Russian Chemical Bulletin</i> , 2008, 57, 1070-1079.	0.4	5
148	One-pot synthesis of 3-(pyridin-2-yl)-2,3-dihydroazetes via Rh(II)-catalyzed reaction of diazoesters with trimethylsilyl-protected 2-(pyridin-2-yl)-2H-azirines. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 1185-1189.	0.6	5
149	Stereoselective assembly of 3,4-epoxypyrrolines <i>via</i> nucleophilic addition induced domino cyclization of 6-halo-1-oxa-4-azahexatrienes. <i>Organic Chemistry Frontiers</i> , 2020, 7, 525-530.	2.3	5
150	Title is missing!. <i>Russian Journal of Organic Chemistry</i> , 2001, 37, 507-512.	0.3	4
151	Reaction of Fluoro(phenyl)carbene with Schiff Bases: Synthesis of 2-Fluoro-2-phenylaziridines. <i>Russian Journal of General Chemistry</i> , 2005, 75, 1643-1647.	0.3	4
152	Monofluorinated aziridines in asymmetric synthesis of chiral fluorinated prop-2-yn-1-amines. <i>Russian Journal of Organic Chemistry</i> , 2010, 46, 976-986.	0.3	4
153	Pyrazoles and <i>midoylaziridines</i> through [4+1] Annulation and [2+1] Cycloaddition of 1-azabuta-1,3-dienes with a Synthetic Equivalent of Phthalimidonitrene. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2587-2595.	1.2	4
154	Synthesis of 2-(2-Pyridyl)-2H-azirines via Metal-Free C-C Cross-Coupling of Bromoazirines with 2-Stannylpyridines. <i>Organic Letters</i> , 2021, 23, 8045-8049.	2.4	4
155	An isoxazole strategy for the synthesis of 4-oxo-1,4-dihydropyridine-3-carboxylates. <i>Beilstein Journal of Organic Chemistry</i> , 0, 18, 738-745.	1.3	4
156	Reaction of $\hat{\pm}$ -Diazopyrroles with Enamines: Synthesis of Pyrrolo[2,1- <i>c</i>][1,2,4]triazines and $\hat{\pm}$ -(1,2,5-Triazapenta-1,3-dienyl)pyrroles. <i>Journal of Organic Chemistry</i> , 0, , .	1.7	4
157	Reactions of dichlorocarbene with N-(2,2-diphenylvinylidene)-anilines. 1,3-Dipolar derivatives of ketenimine-ylides. <i>Chemistry of Heterocyclic Compounds</i> , 1987, 23, 1070-1076.	0.6	3
158	Synthesis, crystal structure, and photophysical properties of dimethyl 7-oxa-2a1-azabenzob[<i>b</i>]cyclopenta[<i>pq</i>]pleiadene-1,2-dicarboxylate " novel fused oxazapolycyclic skeleton. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 909-912.	0.6	3
159	Acid-catalyzed rearrangement of 1-acyl-2-azabuta-1,3-dienes to 4-pyrrolin-2-ones. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 881-887.	0.6	3
160	Isomerization of 5-(2H-Azirin-2-yl)oxazoles: An Atom-Economic Approach to 4H-Pyrrolo[2,3- <i>d</i>]oxazoles. <i>Molecules</i> , 2021, 26, 1881.	1.7	3
161	Synthesis of Water-Soluble $\hat{\pm}$ -Aminopyrroles, 1-(2-Amino-1H-pyrrol-3-yl)pyridinium Chlorides. <i>Russian Journal of General Chemistry</i> , 2021, 91, 1424-1428.	0.3	3
162	Azomethine imines in the reactions of dichlorocarbene with mono- and 1,2-disubstituted hydrazines. <i>Russian Chemical Bulletin</i> , 1996, 45, 1419-1422.	0.4	2

#	ARTICLE	IF	CITATIONS
163	Cascade Transformations of (2,2-Diaryl-3,3-dichloroaziridin-1-yl)acetates.. ChemInform, 2004, 35, no.	0.1	2
164	Synthesis of 6,6-Difluorocyclopropa[b]furo[2,3-c]pyrrole and 7-Fluoro- Δ furo[3,2-c]pyridine Derivatives via 1,5-Electrocyclization of Carbene-Derived Azomethine Ylides. Synlett, 2005, 2005, 1006-1008.	1.0	2
165	A Convenient Access to 3-(Trihalomethyl)-3-phenyl-3,4-dihydro-2H-1,4-benzoxazines/thiazines and Chlorinated 3-Phenyl-2,3-dihydro-1,5-benzoxazepines/thiazepines by an Aziridination-Selective-Ring-Opening Sequence. Synthesis, 2007, 2007, 225-230.	1.2	2
166	A Novel Rearrangement of Cyclic Glutamine Derivatives: Ring Contraction in 3,6-Diamino-2,3,4,5-tetrahydropyridin-2-ones to Yield 5-Aminoproline Amides. European Journal of Organic Chemistry, 2011, 2011, 4093-4097.	1.2	2
167	When periphery matters: Enhanced reactivity of 8-oxa-1,4-dithiaspiro[4.5]decane-7,9-dione and 9-oxa-1,5-dithiaspiro[5.5]undecane-8,10-dione in the Castagnoli-Cushman reaction with imines. Tetrahedron Letters, 2020, 61, 152658.	0.7	2
168	Free-radical cyclization approach to polyheterocycles containing pyrrole and pyridine rings. Beilstein Journal of Organic Chemistry, 2021, 17, 1490-1498.	1.3	2
169	Electrocyclizations of Conjugated Azapolyenes Produced in Reactions of Azaheterocycles with Metal Carbenes. Organics, 2021, 2, 313-336.	0.6	2
170	Intramolecular Cycloaddition of Geminal Dichloroazomethine Ylides to Multiple Carbon-Carbon Bonds.. ChemInform, 2005, 36, no.	0.1	1
171	1,3-Dipolar Cycloaddition of Azomethine Ylides Generated from Ketimines and Difluorocarbene to Symmetrically Substituted Olefins.. ChemInform, 2003, 34, no.	0.1	0
172	A Facile Carbene Route to 2-Fluoro-2-pyrrolines via Fluorinated Azomethine Ylides.. ChemInform, 2004, 35, no.	0.1	0
173	Reactions of 2H-Azirines with Carbenoids from Diazo Esters: Transformations of Novel Azirinium Ylides.. ChemInform, 2004, 35, no.	0.1	0
174	Reaction of Difluorocarbene with 2H-Azirines: Generation and Transformations of Strained Azomethine Ylides ? Aziriodifluoromethanides.. ChemInform, 2005, 36, no.	0.1	0
175	Azomethine Ylides Derived from Dichlorocarbene and O-Acylsalicylaldehyde Anils in the Synthesis of 2,5-Epoxy-2,3,4,5-tetrahydro-1,4-benzoxazepin-2-ones and 2-Aminoethanols.. ChemInform, 2005, 36, no.	0.1	0
176	1,3-Dipolar Cycloaddition of Fluorinated Azomethine Ylides at the C=N Bond.. ChemInform, 2005, 36, no.	0.1	0
177	Iminium Ylides from Carbenes and Carbenoids: Generation and Synthetic Applications. ChemInform, 2005, 36, no.	0.1	0
178	Intramolecular 1,3-Dipolar Cycloaddition of Geminal Difluoro Azomethine Ylides at Multiple Carbon-Carbon Bonds.. ChemInform, 2005, 36, no.	0.1	0
179	New Tandem Reactions of Metal Carbenoids. Intermolecular Formation of Azomethine Ylide from Methyl 2-Diazo-2-phenylacetate and Schiff Base: Intramolecular 1,3-Dipolar Cycloaddition.. ChemInform, 2006, 37, no.	0.1	0
180	A Hydroxypyrrole Approach to 2,2-Bi(4-pyrrolin-3-ones) and Pyrrolone-Based β -Amino Esters. Journal of Organic Chemistry, 2021, 86, 10368-10379.	1.7	0