

Pavel K Mykhailiuk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8053283/publications.pdf>

Version: 2024-02-01

168
papers

5,086
citations

76326

40
h-index

118850

62
g-index

211
all docs

211
docs citations

211
times ranked

3536
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorine-Containing Prolines: Synthetic Strategies, Applications, and Opportunities. <i>Journal of Organic Chemistry</i> , 2022, 87, 6961-7005.	3.2	10
2	A Practical and Scalable Approach to Fluoro-Substituted Bicyclo[1.1.1]pentanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	46
3	Unexpected Isomerization of Oxetane-Carboxylic Acids. <i>Organic Letters</i> , 2022, 24, 4722-4728.	4.6	10
4	Bicyclic Piperidines via [2 + 2] Photocycloaddition. <i>Journal of Organic Chemistry</i> , 2021, 86, 2200-2209.	3.2	9
5	Oxa-spirocycles: synthesis, properties and applications. <i>Chemical Science</i> , 2021, 12, 11294-11305.	7.4	15
6	Large-Scale Synthesis and Modifications of Bicyclo[1.1.1]pentane-1,3-dicarboxylic Acid (BCP). <i>Journal of Organic Chemistry</i> , 2021, 86, 14061-14068.	3.2	22
7	Bicyclic Pyrrolidines for Medicinal Chemistry via [3 + 2]-Cycloaddition. <i>Journal of Organic Chemistry</i> , 2021, 86, 13289-13309.	3.2	17
8	Scalable Approach to Fluorinated Heterocycles with Sulfur Tetrafluoride (SF ₄). <i>Journal of Organic Chemistry</i> , 2021, 86, 12181-12198.	3.2	12
9	Phosphine Oxides (POMe ₂) for Medicinal Chemistry: Synthesis, Properties, and Applications. <i>Journal of Organic Chemistry</i> , 2021, 86, 12783-12801.	3.2	13
10	Fluorinated Pyrazoles: From Synthesis to Applications. <i>Chemical Reviews</i> , 2021, 121, 1670-1715.	47.7	174
11	When SF ₅ outplays CF ₃ : effects of pentafluorosulfanyl decorated scorpionates on copper. <i>Chemical Science</i> , 2021, 12, 14618-14623.	7.4	18
12	Diazoacetonitrile (N ₂ CHCN): A Long Forgotten but Valuable Reagent for Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020, 26, 89-101.	3.3	30
13	Innenteilbild: Wasserlösliche Non-Classical Benzene Mimetics (<i>Angew. Chem.</i> 18/2020). <i>Angewandte Chemie</i> , 2020, 132, 7006-7006.	2.0	0
14	Saturated Bioisosteres of ortho-Substituted Benzenes. <i>Angewandte Chemie</i> , 2020, 132, 20696-20702.	2.0	12
15	Saturated Bioisosteres of ortho-Substituted Benzenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20515-20521.	13.8	78
16	2,2,2-Trifluorodiazethane (CF ₃ CHN ₂): A Long Journey since 1943. <i>Chemical Reviews</i> , 2020, 120, 12718-12755.	47.7	122
17	Water-Soluble Non-Classical Benzene Mimetics. <i>Angewandte Chemie</i> , 2020, 132, 7228-7234.	2.0	9
18	Water-Soluble Non-Classical Benzene Mimetics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7161-7167.	13.8	72

#	ARTICLE	IF	CITATIONS
19	Deoxofluorination of (Hetero)aromatic Acids. <i>Journal of Organic Chemistry</i> , 2020, 85, 3110-3124.	3.2	24
20	Frontispiece: Diazoacetonitrile (N_2CHCN): A Long Forgotten but Valuable Reagent for Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0
21	Convenient Access to Conformationally Rigid Sultams. <i>Organic Letters</i> , 2019, 21, 8909-8914.	4.6	13
22	Deoxofluorination of Aliphatic Carboxylic Acids: A Route to Trifluoromethyl-Substituted Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 16105-16115.	3.2	17
23	Hindered dialkyl ether synthesis with electrogenerated carbocations. <i>Nature</i> , 2019, 573, 398-402.	27.8	240
24	Difluoro-Substituted Bicyclo[1.1.1]pentanes for Medicinal Chemistry: Design, Synthesis, and Characterization. <i>Journal of Organic Chemistry</i> , 2019, 84, 15106-15117.	3.2	73
25	Saturated bioisosteres of benzene: where to go next?. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2839-2849.	2.8	233
26	Frontispiece: Difluorodiazethane (CF_2HCHN_2): A New Reagent for the Introduction of the Difluoromethyl Group. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	0
27	Pd-Catalyzed directed CH-(hetero)arylation of cyclic α -amino acids: effects of substituents and the ring size. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4342-4349.	2.8	11
28	Carbonyl complexes of copper(I) stabilized by bridging fluorinated pyrazolates and halide ions. <i>Dalton Transactions</i> , 2019, 48, 6358-6371.	3.3	17
29	A Radical Approach to Anionic Chemistry: Synthesis of Ketones, Alcohols, and Amines. <i>Journal of the American Chemical Society</i> , 2019, 141, 6726-6739.	13.7	148
30	Synthesis of 2,2-Disubstituted Spirocyclic Pyrrolidines by Intramolecular Dieckmann Condensation. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3553-3559.	2.4	9
31	Electrochemical $C(sp^3)H$ Fluorination. <i>Synlett</i> , 2019, 30, 1178-1182.	1.8	66
32	Difluorodiazethane (CF_2HCHN_2): A New Reagent for the Introduction of the Difluoromethyl Group. <i>Chemistry - A European Journal</i> , 2019, 25, 6053-6063.	3.3	56
33	Quaternary Centers by Nickel-Catalyzed Cross-Coupling of Tertiary Carboxylic Acids and (Hetero)Aryl Zinc Reagents. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2454-2458.	13.8	76
34	Quaternary Centers by Nickel-Catalyzed Cross-Coupling of Tertiary Carboxylic Acids and (Hetero)Aryl Zinc Reagents. <i>Angewandte Chemie</i> , 2019, 131, 2476-2480.	2.0	17
35	Preparation of 5-Fluoropyrazoles from Pyrazoles and <i>N</i> -Fluorobenzenesulfonimide (NFSI). <i>Journal of Organic Chemistry</i> , 2018, 83, 3265-3274.	3.2	11
36	Saturated Heterocyclic Aminosulfonyl Fluorides: New Scaffolds for Protecting-Group-Free Synthesis of Sulfonamides. <i>Chemistry - A European Journal</i> , 2018, 24, 8343-8349.	3.3	19

#	ARTICLE	IF	CITATIONS
37	Synthesis of Multifunctional Spirocyclic Azetidines and Their Application in Drug Discovery. <i>Chemistry - A European Journal</i> , 2018, 24, 5444-5449.	3.3	56
38	Synthesis of CHF ₂ -substituted 3-azabicyclo[3.1.0]hexanes by photochemical decomposition of CHF ₂ -pyrazolines. <i>RSC Advances</i> , 2018, 8, 5114-5118.	3.6	12
39	Synthesis of Functionalized Difluorocyclopropanes: Unique Building Blocks for Drug Discovery. <i>Chemistry - A European Journal</i> , 2018, 24, 12291-12297.	3.3	42
40	Photochemical Synthesis of 2-Azabicyclo[3.2.0]heptanes: Advanced Building Blocks for Drug Discovery. Synthesis of 2,3-Ethanoproline. <i>Journal of Organic Chemistry</i> , 2018, 83, 1394-1401.	3.2	28
41	Synthesis of Bi- and Polyfunctional Isoxazoles from Amino Acid Derived Halogenoximes and Active Methylene Nitriles. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2753-2761.	2.4	12
42	[2+2]-Photocycloaddition of N-Benzylmaleimide to Alkenes As an Approach to Functional 3-Azabicyclo[3.2.0]heptanes. <i>Journal of Organic Chemistry</i> , 2018, 83, 6275-6289.	3.2	46
43	One-Pot Synthesis of Aminopyrido[2,3-d]pyrimidines. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6519-6523.	2.4	6
44	Photochemical In-Flow Synthesis of 2,4-Methanopyrrolidines: Pyrrolidine Analogues with Improved Water Solubility and Reduced Lipophilicity. <i>Journal of Organic Chemistry</i> , 2018, 83, 14350-14361.	3.2	52
45	(Chlorosulfonyl)benzenesulfonyl Fluorides – Versatile Building Blocks for Combinatorial Chemistry: Design, Synthesis and Evaluation of a Covalent Inhibitor Library. <i>ACS Combinatorial Science</i> , 2018, 20, 672-680.	3.8	12
46	Low Heat of Adsorption of Ethylene Achieved by Major Solid-State Structural Rearrangement of a Discrete Copper(I) Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16442-16446.	13.8	33
47	Low Heat of Adsorption of Ethylene Achieved by Major Solid-State Structural Rearrangement of a Discrete Copper(I) Complex. <i>Angewandte Chemie</i> , 2018, 130, 16680-16684.	2.0	10
48	Orientation and Location of the Cyclotide Kalata B1 in Lipid Bilayers Revealed by Solid-State NMR. <i>Biophysical Journal</i> , 2017, 112, 630-642.	0.5	19
49	Synthesis of Functionalized 4-Fluoropyridazines. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 927-935.	2.7	23
50	1-Substituted 2-Azaspiro[3.3]heptanes: Overlooked Motifs for Drug Discovery. <i>Angewandte Chemie</i> , 2017, 129, 8991-8995.	2.0	21
51	1-Substituted 2-Azaspiro[3.3]heptanes: Overlooked Motifs for Drug Discovery. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8865-8869.	13.8	59
52	Synthesis of 6-Azaspiro[4.3]alkanes: Innovative Scaffolds for Drug Discovery. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4530-4542.	2.4	32
53	Conformational Plasticity of the Cell-Penetrating Peptide SAP As Revealed by Solid-State ¹⁹ F-NMR and Circular Dichroism Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6479-6491.	2.6	15
54	Peptidyl-Prolyl Model Study: How Does the Electronic Effect Influence the Amide Bond Conformation?. <i>Journal of Organic Chemistry</i> , 2017, 82, 8831-8841.	3.2	36

#	ARTICLE	IF	CITATIONS
55	Synthesis of 3-oxadiazolyl/triazolyl morpholines: Novel scaffolds for drug discovery. Tetrahedron, 2017, 73, 750-757.	1.9	16
56	Synthesis of Spirocyclic Pyrrolidines: Advanced Building Blocks for Drug Discovery. Chemistry - A European Journal, 2017, 23, 16695-16695.	3.3	4
57	Frontispiece: Selective ¹⁹ F-labeling of Functionalized Carboxylic Acids with Difluoromethyl Diazomethane (CF ₂ HCHN ₂). Chemistry - A European Journal, 2017, 23, .	3.3	0
58	Front Cover: Synthesis of N-Nitroso CHF ₂ -Pyrazolines and Their Transformation into CHF ₂ -Isoxazolines and -Pyrazoles (Eur. J. Org. Chem. 41/2017). European Journal of Organic Chemistry, 2017, 2017, 6099-6099.	2.4	1
59	Difluoromethyl Nitrile Oxide (CF ₂ HCNO): A Neglected Chemical Reagent. European Journal of Organic Chemistry, 2017, 2017, 3935-3940.	2.4	19
60	Selective ¹⁹ F-labeling of Functionalized Carboxylic Acids with Difluoromethyl Diazomethane (CF ₂ HCHN ₂). Chemistry - A European Journal, 2017, 23, 13279-13283.	3.3	22
61	Front Cover: Synthesis of 6-azaspiro[4.3]alkanes: Innovative Scaffolds for Drug Discovery (Eur. J. Org. Chem.) Tj ETQq1 1 0.784314 rgBT /Cv	2.4	0
62	Photochemical Synthesis of 3-Azabicyclo[3.2.0]heptanes: Advanced Building Blocks for Drug Discovery. Journal of Organic Chemistry, 2017, 82, 9627-9636.	3.2	43
63	Synthesis of Spirocyclic Pyrrolidines: Advanced Building Blocks for Drug Discovery. Chemistry - A European Journal, 2017, 23, 16782-16786.	3.3	52
64	Synthesis of N-Nitroso CHF ₂ -Pyrazolines and Their Transformation into CHF ₂ -Isoxazolines and -Pyrazoles. European Journal of Organic Chemistry, 2017, 2017, 6114-6120.	2.4	23
65	Heptafluoroisopropyl diazomethane (i-C ₃ F ₇ CHN ₂): in situ generation and synthesis of pyrazoles. Organic and Biomolecular Chemistry, 2017, 15, 7296-7301.	2.8	25
66	Synthesis of fluorinated oxazoles by oxidative cyclization of fluorinated enamides. Journal of Fluorine Chemistry, 2017, 196, 88-97.	1.7	7
67	Synthesis of CF ₂ H-substituted Pyrazolines by [3+2] Cycloaddition between CF ₂ HCHN ₂ and Electron-deficient Alkenes. European Journal of Organic Chemistry, 2017, 2017, 266-270.	2.4	41
68	Synthesis of Functionalized 2-trifluoromethylquinolines and their Heteroaromatic Analogues. Asian Journal of Organic Chemistry, 2016, 5, 513-520.	2.7	3
69	Copper-Catalyzed O-Difluoromethylation of Functionalized Aliphatic Alcohols: Access to Complex Organic Molecules with an OCF ₂ H Group. Journal of Organic Chemistry, 2016, 81, 5803-5813.	3.2	40
70	Design, Synthesis, and Application of an Optimized Monofluorinated Aliphatic Label for Peptide Studies by Solid-State ¹⁹ F-NMR Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 14788-14792.	13.8	43
71	Design, Synthesis, and Application of an Optimized Monofluorinated Aliphatic Label for Peptide Studies by Solid-State ¹⁹ F-NMR Spectroscopy. Angewandte Chemie, 2016, 128, 15008-15012.	2.0	16
72	Expanding Synthesizable Space of Disubstituted 1,2,4-Oxadiazoles. ACS Combinatorial Science, 2016, 18, 616-624.	3.8	25

#	ARTICLE	IF	CITATIONS
73	Synthesis of Fluoroalkyl Pyrazoles from In-Situ-Generated $C_2F_5CHN_2$ and Electron-Deficient Alkenes. European Journal of Organic Chemistry, 2016, 2016, 5485-5493.	2.4	19
74	Front Cover: Synthesis of Fluoroalkyl Pyrazoles from In-Situ-Generated $C_2F_5CHN_2$ and Electron-Deficient Alkenes (Eur. J. Org. Chem. 33/2016). European Journal of Organic Chemistry, 2016, 2016, 5445-5445.	2.4	2
75	2,2-Trifluoroethyl Oxalates in the One-Pot Parallel Synthesis of Hindered Aliphatic Oxamides. European Journal of Organic Chemistry, 2016, 2016, 2120-2130.	2.4	5
76	Unexpected Reactivity of Trifluoromethyl Diazomethane (CF_3CHN_2): Electrophilicity of the Terminal N-Atom. Organic Letters, 2016, 18, 3406-3409.	4.6	57
77	A base promoted multigram synthesis of aminoisoxazoles: valuable building blocks for drug discovery and peptidomimetics. RSC Advances, 2016, 6, 25713-25723.	3.6	30
78	Lipase kinetic enantiomeric resolution of 1-heteroarylethanol. Tetrahedron: Asymmetry, 2016, 27, 341-345.	1.8	8
79	Titelbild: In-Situ Generation of Difluoromethyl Diazomethane for [3+2]-Cycloadditions with Alkynes (Angew. Chem. 22/2015). Angewandte Chemie, 2015, 127, 6471-6471.	2.0	0
80	New Life for Diazoacetonitrile (N_2CHCN): in situ Generation and Practical Synthesis of CN -Pyrazoles. European Journal of Organic Chemistry, 2015, 2015, 7235-7239.	2.4	47
81	Three-component synthesis of C_2F_5 -substituted pyrazoles from $C_2F_5CH_2NH_2 \cdot HCl$, $NaNO_2$ and electron-deficient alkynes. Beilstein Journal of Organic Chemistry, 2015, 11, 16-24.	2.2	39
82	Synthesis of Cyclopropyl- and Cyclobutylpiperidines: Advanced Building Blocks for Drug Discovery. Synthesis, 2015, 47, 3963-3971.	2.3	2
83	Design and Synthesis of Novel ^{19}F -Amino Acid: A Promising ^{19}F NMR Label for Peptide Studies. Organic Letters, 2015, 17, 226-229.	4.6	30
84	β -(S)-Trifluoromethyl proline: evaluation as a structural substitute of proline for solid state ^{19}F -NMR peptide studies. Organic and Biomolecular Chemistry, 2015, 13, 3171-3181.	2.8	56
85	Three-component synthesis of fluorinated pyrazoles from fluoroalkylamines, $NaNO_2$ and electron-deficient alkynes. Organic and Biomolecular Chemistry, 2015, 13, 3438-3445.	2.8	62
86	In-Situ Generation of Difluoromethyl Diazomethane for [3+2]-Cycloadditions with Alkynes. Angewandte Chemie - International Edition, 2015, 54, 6558-6561.	13.8	133
87	Design, Synthesis, and Characterization of SO_2 -Containing Azabicyclo[3.1.1]alkanes: Promising Building Blocks for Drug Discovery. Organic Letters, 2015, 17, 1922-1925.	4.6	28
88	One-Pot Parallel Synthesis of Alkyl Sulfides, Sulfoxides, and Sulfones. ACS Combinatorial Science, 2015, 17, 348-354.	3.8	22
89	Synthesis and studies on gem-fluorinated 2-azabicyclo[n.1.0]alkanes. Journal of Fluorine Chemistry, 2015, 175, 73-83.	1.7	20
90	2,2,2-Trifluoroethyl Chlorooxoacetate—Universal Reagent for One-Pot Parallel Synthesis of N_1 -Aryl- N_2 -alkyl-Substituted Oxamides. ACS Combinatorial Science, 2015, 17, 615-622.	3.8	8

#	ARTICLE	IF	CITATIONS
91	Multigram Synthesis of Fluoroalkyl-Substituted Pyrazole-4-carboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 886-891.	2.4	27
92	Facile one-pot synthesis of 4-substituted semicarbazides. <i>RSC Advances</i> , 2015, 5, 1063-1069.	3.6	9
93	Synthesis of isomeric (3,3,3-trifluoropropyl)anilines. <i>Journal of Fluorine Chemistry</i> , 2015, 171, 174-176.	1.7	1
94	Structure Analysis and Conformational Transitions of the Cell Penetrating Peptide Transportan 10 in the Membrane-Bound State. <i>PLoS ONE</i> , 2014, 9, e99653.	2.5	46
95	Direct Noncatalytic Electrophilic Trifluoroacetylation of Electron-Rich Pyrazoles. <i>Synthesis</i> , 2014, 46, 1254-1260.	2.3	13
96	Synthesis and Functionalization of 3-Azolyloquinoxalin-2(1H)-ones. <i>Synthesis</i> , 2014, 46, 1487-1492.	2.3	2
97	Convenient synthesis of enantiopure (R)- and (S)-3-fluoro-3-aminomethylpyrrolidines. <i>Tetrahedron</i> , 2014, 70, 3011-3017.	1.9	13
98	Generation of C ₂ F ₅ CHN ₂ In Situ and Its First Reaction: [3+2] Cycloaddition with Alkenes. <i>Chemistry - A European Journal</i> , 2014, 20, 4942-4947.	3.3	54
99	Controlling Biological Activity with Light: Diarylethene-Containing Cyclic Peptidomimetics. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3392-3395.	13.8	140
100	One-Pot Synthesis of CF ₃ -Substituted Pyrazolines/Pyrazoles from Electron-Deficient Alkenes/Alkynes and CF ₃ CHN ₂ Generated in situ: Optimized Synthesis of Tris(trifluoromethyl)pyrazole. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2487-2495.	2.4	108
101	Synthesis of Trifluoromethyl-Substituted 3-Azabicyclo[<i>n</i> .1.0]alkanes: Advanced Building Blocks for Drug Discovery. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3592-3598.	2.4	60
102	Innen-Äußertitelbild: Controlling Biological Activity with Light: Diarylethene-Containing Cyclic Peptidomimetics (<i>Angew. Chem.</i> 13/2014). <i>Angewandte Chemie</i> , 2014, 126, 3589-3589.	2.0	0
103	Enzymatic resolution of chroman-4-ol and its core analogues with <i>Burkholderia cepacia</i> lipase. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 563-567.	1.8	12
104	Sulfonyl Fluorides as Alternative to Sulfonyl Chlorides in Parallel Synthesis of Aliphatic Sulfonamides. <i>ACS Combinatorial Science</i> , 2014, 16, 192-197.	3.8	58
105	Enzyme-Catalyzed Kinetic Resolution of 2,2,2-Trifluoroethyl (heteroaryl)ethanols: Experimental and Docking Studies. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7692-7698.	2.4	8
106	A One-Pot Parallel Reductive Amination of Aldehydes with Heteroaromatic Amines. <i>ACS Combinatorial Science</i> , 2014, 16, 375-380.	3.8	16
107	Bis(2,2,2-trifluoroethyl) Carbonate as a Condensing Agent in One-Pot Parallel Synthesis of Unsymmetrical Aliphatic Ureas. <i>ACS Combinatorial Science</i> , 2014, 16, 303-308.	3.8	20
108	Design and Synthesis of a Monofluoro-Substituted Aromatic Amino Acid as a Conformationally Restricted ¹⁹ F NMR Label for Membrane-Bound Peptides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3584-3591.	2.4	19

#	ARTICLE	IF	CITATIONS
109	Switching the Antimicrobial Activity of Gramicidin S by Light. <i>Biophysical Journal</i> , 2014, 106, 442a.	0.5	0
110	Synthesis of Isomeric 6-Trifluoromethyl-3-azabicyclo[3.1.0]hexanes: Conformationally Restricted Analogues of 4-Trifluoromethylpiperidine. <i>Synthesis</i> , 2013, 45, 225-230.	2.3	34
111	Design, Synthesis, and Application of a Trifluoromethylated Phenylalanine Analogue as a Label to Study Peptides by Solid ¹⁹ F-NMR Spectroscopy. <i>Angewandte Chemie</i> , 2013, 125, 6632-6635.	2.0	8
112	Stereochemical effects on the aggregation and biological properties of the fibril-forming peptide [KIGAKI]3 in membranes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8962.	2.8	33
113	A ¹⁹ F-NMR Label to Substitute Polar Amino Acids in Peptides: A CF ₃ -Substituted Analogue of Serine and Threonine. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1486-1489.	13.8	48
114	Silver(I) and Copper(I) Adducts of a Tris(pyrazolyl)borate Decorated with Nine Trifluoromethyl Groups. <i>Inorganic Chemistry</i> , 2013, 52, 1691-1693.	4.0	41
115	1-Amino-4,4-difluorocyclohexanecarboxylic acid as a promising building block for drug discovery: design, synthesis and characterization. <i>Tetrahedron</i> , 2013, 69, 4066-4075.	1.9	10
116	Synthesis of 2- and 3-trifluoromethylmorpholines: useful building blocks for drug discovery. <i>Tetrahedron</i> , 2013, 69, 3796-3804.	1.9	20
117	Synthesis and Characterization of β -Trifluoromethyl-Substituted Pyrrolidines. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3086-3093.	2.4	20
118	A Convenient Route to α -Alkyl- β -trifluoromethyl-1,2,3-triazole-4-carboxylic Acids Employing a Diazo Transfer Reaction. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2891-2897.	2.4	14
119	An easy synthesis of β -trifluoromethyl-amines from aldehydes or ketones using the Ruppert-Prakash reagent. <i>Tetrahedron Letters</i> , 2013, 54, 1897-1898.	1.4	15
120	Design, Synthesis, and Application of a Trifluoromethylated Phenylalanine Analogue as a Label to Study Peptides by Solid ¹⁹ F-NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6504-6507.	13.8	25
121	Incorporation of labile trans-4,5-difluoromethanoproline into a peptide as a stable label for ¹⁹ F NMR structure analysis. <i>Journal of Fluorine Chemistry</i> , 2013, 152, 136-143.	1.7	29
122	Regioselective Reactions of Ethyl (4,5-Dihydrofuran-3-yl)-2-oxoacetate and Ethyl 2-(3,4-Dihydro-2H-pyran-6-yl)-2-oxoacetate with 1-Unsubstituted Aminoazoles. <i>Synthesis</i> , 2012, 44, 895-902.	2.3	10
123	A Facile Synthesis of Isomeric C-(2,2,2-Trifluoroethyl)anilines. <i>Synthesis</i> , 2012, 44, 1974-1976.	2.3	1
124	An Improved Synthesis of 2-, 3-, and 4-(Trifluoromethyl)cyclohexylamines. <i>Synthesis</i> , 2012, 44, 2739-2742.	2.3	1
125	Easy Synthesis of Novel 4-Azolyipyridazin-3-ones. <i>Synthesis</i> , 2012, 44, 1263-1267.	2.3	1
126	Incorporation of cis- and trans-4,5-Difluoromethanoprolines into Polypeptides. <i>Organic Letters</i> , 2012, 14, 5254-5257.	4.6	44

#	ARTICLE	IF	CITATIONS
127	Reported, but Still Unknown. A Closer Look into 3,4-Bis- and 3,4,5-Tris(trifluoromethyl)pyrazoles. <i>Journal of Organic Chemistry</i> , 2012, 77, 47-56.	3.2	56
128	Trifluoromethyl-Substituted β -Amino Acids as Solid-State ^{19}F NMR Labels for Structural Studies of Membrane-Bound Peptides. <i>Molecular Medicine and Medicinal</i> , 2012, , 91-138.	0.4	23
129	Exploiting the Addition of Trimethyl(trifluoromethyl)silane to Functionalized N-Benzylimines for the Preparation of Two Novel α -Trifluoromethyl α -Amino Acids. <i>Synthesis</i> , 2012, 44, 903-908.	2.3	13
130	An Efficient and Safe Method for the Multigram Synthesis of trans-2-(Trifluoromethyl)cyclopropylamine. <i>Synthesis</i> , 2012, 44, 1152-1154.	2.3	5
131	Improved Synthesis of Monoprotected 5- and 6-Amino-2-azanorbornanes. <i>Synthetic Communications</i> , 2011, 41, 981-992.	2.1	2
132	(5S)-5-(Trifluoromethyl)pyrrolidin-2-one as a Promising Building Block for Fluoroorganic Chemistry. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1782-1785.	2.4	12
133	Trifluoromethyl-substituted cyclopropanes. <i>Tetrahedron</i> , 2011, 67, 803-823.	1.9	108
134	Exploiting morph-DAST mediated ring-expansion of substituted cyclic β -amino alcohols for the preparation of cyclic fluorinated amino acids. Synthesis of 5-fluoromethylproline and 5-fluoropipecolic acid. <i>Tetrahedron</i> , 2011, 67, 3091-3097.	1.9	24
135	Synthesis of β -fluoro- β -proline. <i>Tetrahedron Letters</i> , 2011, 52, 1300-1302.	1.4	19
136	Multigram Synthesis of trans-2-(Trifluoromethyl)cyclopropanamine. <i>Synthesis</i> , 2011, 2011, 119-122.	2.3	1
137	Facile Synthesis of 2-(2-Ethoxy-1,2-dioxoethyl)azoles. <i>Synthesis</i> , 2011, 2011, 1633-1637.	2.3	1
138	Multigram Synthesis of 1-(Difluoromethyl)imidazoles and -benzimidazoles. <i>Synthesis</i> , 2011, 2011, 1243-1248.	2.3	2
139	Reaction of Ethyl 5-Acetyl-3,4-dihydropyridine-1(2H)-carboxylate with 1,3-N,N-Bis-nucleophiles: A Facile Access to Novel Pyrimidine Derivatives. <i>Synthesis</i> , 2011, 2011, 1465-1471.	2.3	5
140	3-Benzyl-3-azabicyclo[3.1.1]heptan-6-one: A Promising Building Block for Medicinal Chemistry. <i>Organic Letters</i> , 2010, 12, 4372-4375.	4.6	19
141	Compatibility of the conformationally rigid CF ₃ -Bpg side chain with the hydrophobic coiled-coil interface. <i>Amino Acids</i> , 2010, 39, 1589-1593.	2.7	15
142	1-Amino-3,3-difluorocyclobutanecarboxylic acid. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 221-223.	1.7	12
143	An optimized protocol for the multigram synthesis of 3-(trifluoromethyl)bicyclo[1.1.1]pent-1-ylglycine (CF ₃ -Bpg). <i>Journal of Fluorine Chemistry</i> , 2010, 131, 217-220.	1.7	44
144	Synthesis of bridged 1,4-diazepane derivatives via Schmidt reactions. <i>Tetrahedron Letters</i> , 2010, 51, 1790-1792.	1.4	5

#	ARTICLE	IF	CITATIONS
145	Noncatalytic Electrophilic Oxyalkylation of Some Five-Membered Heterocycles with 2-(Trifluoroacetyl)-1,3-azoles. <i>Synthesis</i> , 2010, 2010, 979-984.	2.3	6
146	Imidazo[1,2]heterylglyoxylates: Synthesis and Reactivity toward Nucleophiles. <i>Synthesis</i> , 2010, 2010, 1692-1696.	2.3	2
147	An Efficient Synthesis of Fused 3-Formylpyridines and 5-Formylpyrimidines. <i>Synthesis</i> , 2010, 2010, 2767-2770.	2.3	4
148	An Approach to Azabicyclo[n.3.1]alkanes by Double Mannich Reaction. <i>Synthesis</i> , 2010, 2010, 493-497.	2.3	3
149	Novel Synthetic Approaches to (Trifluoromethyl)triazoles. <i>Synthesis</i> , 2010, 2010, 1075-1077.	2.3	7
150	Noncatalytic Electrophilic Oxyalkylation of 3-Aminopyrazoles with 2-(Trifluoroacetyl)-1,3-azoles. <i>Synthesis</i> , 2010, 2010, 1195-1199.	2.3	2
151	Noncatalytic Electrophilic Oxyalkylation of Anilines with 2-Trifluoroacetyl-1,3-benzothiazole. <i>Synthesis</i> , 2010, 2010, 1633-1638.	2.3	2
152	Noncatalytic Electrophilic Alkylation of 1H-Indole with 2-Trifluoroacetyl-1,3-heterazoles. <i>Synthesis</i> , 2010, 2010, 967-970.	2.3	3
153	Regioselective Reaction of Ethyl 5-Acetyl-3,4-dihydropyridine-1(2H)-carboxylate with Hydrazines: A Facile Approach to New Pyrazole Derivatives. <i>Synthesis</i> , 2010, 2010, 1781-1792.	2.3	2
154	Role of Peptide Folding and Aggregation in Triggering Membrane Perturbation. <i>Biophysical Journal</i> , 2010, 98, 609a.	0.5	0
155	Approach to the Library of Fused Pyridine-4-carboxylic Acids by Combes-Type Reaction of Acyl Pyruvates and Electron-Rich Amino Heterocycles. <i>ACS Combinatorial Science</i> , 2010, 12, 510-517.	3.3	25
156	Simple and Efficient Procedure for a Multigram Synthesis of Both trans- and cis-1-Amino-2-(trifluoromethyl)cyclopropane-1-carboxylic Acid. <i>Synthesis</i> , 2010, 2010, 443-446.	2.3	10
157	Trifluoromethyl-Substituted Analogues of 1-Aminocyclobutane-1-carboxylic Acid. <i>Synlett</i> , 2009, 2009, 1827-1829.	1.8	3
158	4-Fluoro-2,4-methanoproline. <i>Organic Letters</i> , 2009, 11, 5674-5676.	4.6	44
159	The Alignment of Membrane-Active Peptides Depends on the Lipid Phase State as Viewed by solid state 19F-NMR. <i>Biophysical Journal</i> , 2009, 96, 156a.	0.5	0
160	Synthesis of a Conformationally Rigid Analogue of 2-Aminoadipic Acid Containing an 8-Azabicyclo[3.2.1]octane Skeleton. <i>Synthesis</i> , 2009, 2009, 3327-3331.	2.3	1
161	Solid state 19F NMR parameters of fluorine-labeled amino acids. Part II: Aliphatic substituents. <i>Journal of Magnetic Resonance</i> , 2008, 191, 16-23.	2.1	68
162	Synthesis of Trifluoromethyl-Substituted Proline Analogues as ¹⁹ F-NMR Labels for Peptides in the Polyproline-II Conformation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5765-5767.	13.8	115

#	ARTICLE	IF	CITATIONS
163	A Convenient Route to Trifluoromethyl-Substituted Cyclopropane Derivatives. <i>Synthesis</i> , 2008, 2008, 1757-1760.	2.3	19
164	An approach to 2-cyanopyrrolidines bearing a chiral auxiliary. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 290-297.	1.8	10
165	Synthesis of 7-azabicyclo[2.2.1]heptane-1,4-dicarboxylic acid, a rigid non-chiral analogue of 2-aminoadipic acid. <i>Tetrahedron Letters</i> , 2007, 48, 4061-4063.	1.4	16
166	Evaluating the amino acid CF ₃ -bicyclopentylglycine as a new label for solid-state ¹⁹ F NMR structure analysis of membrane-bound peptides. <i>Journal of Peptide Science</i> , 2007, 13, 614-623.	1.4	53
167	Conformationally Rigid Trifluoromethyl-Substituted β -Amino Acid Designed for Peptide Structure Analysis by Solid-State ¹⁹ F NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5659-5661.	13.8	103
168	A Practical and Scalable Approach to Fluoro-Substituted Bicyclo[1.1.1]pentanes. <i>Angewandte Chemie</i> , 0, ,.	2.0	1