List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fluorine in Pharmaceutical Industry: Fluorine-Containing Drugs Introduced to the Market in the Last Decade (2001–2011). Chemical Reviews, 2014, 114, 2432-2506.	47.7	3,798
2	Next Generation of Fluorine-Containing Pharmaceuticals, Compounds Currently in Phase II–III Clinical Trials of Major Pharmaceutical Companies: New Structural Trends and Therapeutic Areas. Chemical Reviews, 2016, 116, 422-518.	47.7	2,030
3	Recent advances in the trifluoromethylation methodology and new CF3-containing drugs. Journal of Fluorine Chemistry, 2014, 167, 37-54.	1.7	383
4	A general overview of the organocatalytic intramolecular aza-Michael reaction. Chemical Society Reviews, 2014, 43, 7430-7453.	38.1	165
5	Recent Advances in the Asymmetric Synthesis of α-(Trifluoromethyl)-Containing α-Amino Acids. Synthesis, 2012, 44, 1591-1602.	2.3	154
6	Recent advances in the synthesis of fluorinated aminophosphonates and aminophosphonic acids. RSC Advances, 2013, 3, 6693.	3.6	146
7	Asymmetric synthesis of α-amino acids via homologation of Ni(II) complexes of glycine Schiff bases; Part 1: alkyl halide alkylations. Amino Acids, 2013, 45, 691-718.	2.7	135
8	Asymmetric synthesis of α-amino acids via homologation of Ni(II) complexes of glycine Schiff bases. Part 2: Aldol, Mannich addition reactions, deracemization and (S) to (R) interconversion of α-amino acids. Amino Acids, 2013, 45, 1017-1033.	2.7	121
9	Synthesis of fluorine-containing α-amino acids in enantiomerically pure form via homologation of Ni(II) complexes of glycine and alanine Schiff bases. Journal of Fluorine Chemistry, 2013, 155, 21-38. Stereocontrolled Total Synthesis of (+)-Altohyrtin A/Spongistatin 1 Financial support was provided by	1.7	115
10	the EPSRC (GR/L41646), Cambridge Commonwealth Trust (Scholarship to M.J.C.), EC (Marie Curie) Tj ETQq0 0 0 (Postdoctoral Fellowship to R.M.O.), Churchill College (Research Fellowship to D.J.W.), Kingapos;s	rgBT /Ove 13.8	erlock 10 Tf 50 113
11	College and Sims Fund, Cambridge (Scholarship to D.Y.K.C.). We also thank Merck and AstraZeneca Pharmaceuticals for generous suppo. Angewandte Chemie - International Edition, 2001, 40, 4055. Asymmetric synthesis of α-amino acids via homologation of Ni(II) complexes of glycine Schiff bases. Part 3: Michael addition reactions and miscellaneous transformations. Amino Acids, 2014, 46, 2047-2073.	2.7	111
12	FM19G11, a New Hypoxia-inducible Factor (HIF) Modulator, Affects Stem Cell Differentiation Status. Journal of Biological Chemistry, 2010, 285, 1333-1342.	3.4	99
13	Chemical Kinetic Resolution of Unprotected βâ€6ubstituted βâ€Amino Acids Using Recyclable Chiral Ligands. Angewandte Chemie - International Edition, 2014, 53, 7883-7886.	13.8	88
14	Role of thegem-Difluoro Moiety in the Tandem Ring-Closing Metathesisâ^'Olefin Isomerization:Â Regioselective Preparation of Unsaturated Lactams. Journal of Organic Chemistry, 2006, 71, 2706-2714.	3.2	82
15	Optical Purifications via Selfâ€Disproportionation of Enantiomers by Achiral Chromatography: Case Study of a Series of αâ€CF ₃ â€containing Secondary Alcohols. Chirality, 2013, 25, 365-368.	2.6	82
16	Chemical Dynamic Kinetic Resolution and <i>S</i> / <i>R</i> â€Interconversion of Unprotected αâ€Amino Acids. Angewandte Chemie - International Edition, 2014, 53, 12214-12217.	13.8	78
17	Recent Developments in the Synthesis of Fluorinated β-Amino Acids. Current Organic Chemistry, 2010, 14, 928-949.	1.6	72
18	Self-Disproportionation of Enantiomers of Chiral, Non-Racemic Fluoroorganic Compounds: Role of Fluorine as Enabling Element. Synthesis, 2013, 45, 141-152.	2.3	69

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19	Recent Progress in the in situ DetrifluoroÂacetylative Generation of Fluoro Enolates and Their Reactions with Electrophiles. European Journal of Organic Chemistry, 2015, 2015, 6401-6412.	2.4	66
20	Nitrogen-Containing Organofluorine Derivatives: An Overview. Synlett, 2009, 2009, 525-549.	1.8	65
21	Tailorâ€Made αâ€Amino Acids in the Pharmaceutical Industry: Synthetic Approaches to (1R,2S)â€1â€Aminoâ€2â€vinylcyclopropaneâ€1â€carboxylic Acid (Vinylâ€ACCA). European Journal of Organic Chemistry, 2016, 2016, 2757-2774.	2.4	62
22	Self-disproportionation of enantiomers of non-racemic chiral amine derivatives through achiral chromatography. Tetrahedron, 2012, 68, 4013-4017.	1.9	59
23	Studies in Marine Polypropionate Synthesis:  Total Synthesis of (â^')-Baconipyrone C. Organic Letters, 2000, 2, 1513-1516.	4.6	51
24	A comprehensive examination of the self-disproportionation of enantiomers (SDE) of chiral amides via achiral, laboratory-routine, gravity-driven column chromatography. RSC Advances, 2015, 5, 2988-2993.	3.6	49
25	Chemical approach for interconversion of (S)- and (R)-α-amino acids. Organic and Biomolecular Chemistry, 2013, 11, 4503.	2.8	48
26	Asymmetric Carbon–Carbon Bond Formation under Solventless Conditions in Ball Mills. ChemCatChem, 2015, 7, 1265-1269.	3.7	47
27	Chemical deracemization and (S) to (R) interconversion of some fluorine-containing α-amino acids. Journal of Fluorine Chemistry, 2013, 152, 114-118.	1.7	44
28	Fluorous (Trimethylsilyl)ethanol:Â A New Reagent for Carboxylic Acid Tagging and Protection in Peptide Synthesis. Journal of Organic Chemistry, 2006, 71, 3299-3302.	3.2	43
29	Synthesis of (2S,3S)-β-(trifluoromethyl)-α,β-diamino acid by Mannich addition of glycine Schiff base Ni(II) complexes to N-tert-butylsulfinyl-3,3,3-trifluoroacetaldimine. Journal of Fluorine Chemistry, 2015, 171, 67-72.	1.7	43
30	The stereocontrolled total synthesis of altohyrtin A/spongistatin 1: fragment couplings, completion of the synthesis, analogue generation and biological evaluation. Organic and Biomolecular Chemistry, 2005, 3, 2431.	2.8	42
31	Total Synthesis of (+)-7-Deoxypancratistatin from Furan. Organic Letters, 2000, 2, 3683-3686.	4.6	41
32	Strain-directed bridge cleavage of (phenylsulfonyl)-7-oxabicyclo[2.2.1]heptane derivatives: application to the total synthesis of carbaalphaDL-glucopyranose. Journal of Organic Chemistry, 1992, 57, 1945-1946.	3.2	40
33	A Stereodivergent Access to Naturally Occurring Aminocarba Sugars from (Phenylsulfonyl)-7-oxabicyclo[2.2.1]heptane Derivatives. Total Synthesis of Penta-N,O-Acetyl-(.+)-Validamine and Its C1 and C2 Stereoisomers. Journal of Organic Chemistry, 1994, 59. 6419-6424.	3.2	39
34	Asymmetric Mannich reaction between (S)-N-(tert-butanesulfinyl)-3,3,3-trifluoroacetaldimine and malonic acid derivatives. Stereodivergent synthesis of (R)- and (S)-3-amino-4,4,4-trifluorobutanoic acids. Organic and Biomolecular Chemistry, 2014, 12, 1454.	2.8	39
35	Asymmetric Synthesis of αâ€Amino Acids under Operationally Convenient Conditions. Advanced Synthesis and Catalysis, 2014, 356, 2203-2208.	4.3	38
36	NH-type of chiral Ni(ii) complexes of glycine Schiff base: design, structural evaluation, reactivity and synthetic applications. Organic and Biomolecular Chemistry, 2014, 12, 1278.	2.8	37

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37	The stereocontrolled total synthesis of altohyrtin A/spongistatin 1: the southern hemisphere EF segment. Organic and Biomolecular Chemistry, 2005, 3, 2420.	2.8	36
38	Asymmetric Synthesis of Fluorinated Cyclic β-Amino Acid Derivatives through Cross Metathesis. Organic Letters, 2006, 8, 4633-4636.	4.6	36
39	Cross-Metathesis Reactions as an Efficient Tool in the Synthesis of Fluorinated Cyclic β-Amino Acids. Journal of Organic Chemistry, 2009, 74, 3414-3423.	3.2	36
40	Straightforward Stereoselective Access to Cyclic Peptidomimetics. Journal of Organic Chemistry, 2009, 74, 4429-4432.	3.2	36
41	Synthesis of Fluorinated β-Amino Acids. Synthesis, 2011, 2011, 3045-3079.	2.3	35
42	Unconventional preparation of racemic crystals of isopropyl 3,3,3-trifluoro-2-hydroxypropanoate and their unusual crystallographic structure: the ultimate preference for homochiral intermolecular interactions. Chemical Communications, 2013, 49, 373-375.	4.1	35
43	Smallâ€Molecule Therapeutics for Ebola Virus (EBOV) Disease Treatment. European Journal of Organic Chemistry, 2016, 2016, 8-16.	2.4	34
44	Advanced asymmetric synthesis of (1R,2S)-1-amino-2-vinylcyclopropanecarboxylic acid by alkylation/cyclization of newly designed axially chiral Ni(II) complex of glycine Schiff base. Amino Acids, 2016, 48, 973-986.	2.7	34
45	The self-disproportionation of the enantiomers (SDE) of methyl n-pentyl sulfoxide via achiral, gravity-driven column chromatography: a case study. Organic and Biomolecular Chemistry, 2014, 12, 4738.	2.8	32
46	An Efficient Entry to Optically Active <i>anti</i> - and <i>syn</i> -β-Amino-α-trifluoromethyl Alcohols. Organic Letters, 2008, 10, 605-608.	4.6	31
47	Synthesis of bis-α,α′-amino acids through diastereoselective bis-alkylations of chiral Ni(ii)-complexes of glycine. Organic and Biomolecular Chemistry, 2013, 11, 4508.	2.8	31
48	Chemical Dynamic Thermodynamic Resolution and <i>S</i> / <i>R</i> Interconversion of Unprotected Unnatural Tailor-made α-Amino Acids. Journal of Organic Chemistry, 2015, 80, 9817-9830.	3.2	31
49	Asymmetric synthesis of α-(1-oxoisoindolin-3-yl)glycine: synthetic and mechanistic challenges. Chemical Communications, 2015, 51, 1624-1626.	4.1	30
50	Asymmetric synthesis of (1R,2S)-1-amino-2-vinylcyclopropanecarboxylic acid by sequential SN2–SN2′ dialkylation of (R)-N-(benzyl)proline-derived glycine Schiff base Ni(ii) complex. RSC Advances, 2015, 5, 1051-1058.	3.6	27
51	Total Syntheses of (±)-Cyclophellitol and (1R*,6S*)-Cyclophellitol. Journal of Organic Chemistry, 1997, 62, 3360-3364.	3.2	26
52	Stereoselective Access to Fluorinated and Nonâ€fluorinated Quaternary Piperidines: Synthesis of Pipecolic Acid and Iminosugar Derivatives. Chemistry - A European Journal, 2012, 18, 3753-3764.	3.3	26
53	A convenient approach to the aminocyclitol fragment of pancratistatin from 7-oxanorbornenes. Tetrahedron Letters, 1996, 37, 105-106.	1.4	25
54	Organocatalytic <i>anti</i> â€Selective Mannich Reactions with Fluorinated Aldimines: Synthesis of <i>anti</i> â€I³â€Fluoroalkylâ€I³â€amino Alcohols. European Journal of Organic Chemistry, 2009, 2009, 5208-522	14: ⁴	25

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55	Introducing a new radical trifluoromethylation reagent. Chemical Communications, 2015, 51, 5967-5970.	4.1	25
56	Alkylations of Chiral Nickel(II) Complexes of Glycine under Phaseâ€Transfer Conditions. Helvetica Chimica Acta, 2012, 95, 2672-2679.	1.6	24
57	Diastereoselective Intramolecular Additions of Allyl- and Propargylsilanes to Iminium Ions: Synthesis of Cyclic and Bicyclic Quaternary Amino Acids. Organic Letters, 2010, 12, 3014-3017.	4.6	23
58	<scp>FM</scp> 19 <scp>G</scp> 11 reverses endothelial dysfunction in rat and human arteries through stimulation of the <scp>Pl3K/Akt/eNOS</scp> pathway, independently of <scp>mTOR</scp> / <scp>HIF</scp> â€1α activation. British Journal of Pharmacology, 2015, 172, 1277-1291.	5.4	22
59	Sustainable Synthesis of Oximes, Hydrazones, and Thiosemicarbazones under Mild Organocatalyzed Reaction Conditions. Journal of Organic Chemistry, 2016, 81, 10016-10022.	3.2	22
60	Synthesis and Biological Evaluation of New Bicyclic Fluorinated Uracils through Ring-Closing Metathesis. Journal of Organic Chemistry, 2006, 71, 4010-4013.	3.2	20
61	First Fluorous Synthesis of Fluorinated Uracils. QSAR and Combinatorial Science, 2006, 25, 753-760.	1.4	17
62	Unexpected One-Pot Epoxy Sulfoneâ^'Enaminone Transformation. Synthesis of 5a-Carba-l²-mannopyranosylamine. Journal of Organic Chemistry, 2000, 65, 2580-2582.	3.2	16
63	Total synthesis of (+)-pinitol. Tetrahedron: Asymmetry, 1996, 7, 3535-3544.	1.8	15
64	Polypropionates from 7-oxanorbornene derivatives. A stereoselective and divergent synthesis of fragments with four contiguous chiral centers. Tetrahedron Letters, 1996, 37, 8957-8960.	1.4	14
65	Asymmetric Synthesis of (2 <i>S</i> ,3 <i>S</i>)-α-(1-Oxoisoindolin-3-yl)glycines under Low-Basicity "Kinetic―Control. Journal of Organic Chemistry, 2015, 80, 11275-11280.	3.2	13
66	Assignment of Absolute Configuration on the Basis of the Conformational Effects Induced by Chiral Derivatizing Agents:  The 2-Arylpyrrolidine Case. Organic Letters, 2007, 9, 4123-4126.	4.6	12
67	An Approach to 2,4â€5ubstituted Pyrazolo[1,5â€ <i>a</i>]pyridines and Pyrazolo[1,5â€ <i>a</i>]azepines by Ring losing Metathesis. European Journal of Organic Chemistry, 2013, 2013, 7164-7174.	2.4	12
68	Biochemical quantitation of the eIF5A hypusination in Arabidopsis thaliana uncovers ABA-dependent regulation. Frontiers in Plant Science, 2014, 5, 202.	3.6	12
69	Design and synthesis of (S)- and (R)-α-(phenyl)ethylamine-derived NH-type ligands and their application for the chemical resolution of α-amino acids. Organic and Biomolecular Chemistry, 2014, 12, 6239.	2.8	12
70	Inexpensive chemical method for preparation of enantiomerically pure phenylalanine. Amino Acids, 2014, 46, 945-952.	2.7	12
71	Synthesis and stereochemical assignments of diastereomeric Ni(II) complexes of glycine Schiff base with (R)-2-(N-{2-[N-alkyl-N-(1-phenylethyl)amino]acetyl}amino)benzophenone; a case of configurationally stable stereogenic nitrogen. Beilstein Journal of Organic Chemistry, 2014, 10, 442-448	2.2	12
72	Unexpected reactivity of graphene oxide with DBU and DMF. Journal of Materials Chemistry A, 2018, 6, 12637-12646.	10.3	12

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73	New fluorinated 1,3-vinylogous amidines as versatile intermediates: synthesis of fluorinated pyrimidin-2(1H)-ones. Tetrahedron, 2006, 62, 1444-1451.	1.9	11
74	Fluorous TBAF: A Convenient and Selective Reagent for Fluoride-Mediated Deprotections. Journal of Organic Chemistry, 2009, 74, 6398-6401.	3.2	11
75	Quantitative analysis of ES-285, an investigational marine anticancer drug, in human, mouse, rat, and dog plasma using coupled liquid chromatography and tandem mass spectrometry. Journal of Mass Spectrometry, 2003, 38, 548-554.	1.6	10
76	A stereodivergent synthesis of (±)-cyclophellitol and (1Râ^—,6Sâ^—)-cyclophellitol from the 7-oxabicyclo-[2.2.1]hept-5-ene-2-endo-carboxylic acid. Tetrahedron Letters, 1996, 37, 3043-3044.	1.4	9
77	Chiral <i>N</i> (H)â€ <i>t</i> Bu and <i>N</i> (H)â€Ad Ni ^{II} Complexes of Glycine Schiff Bases: Deduction of a Mode of Kinetic Diastereoselectivity. European Journal of Organic Chemistry, 2014, 2014, 4309-4314.	2.4	9
78	A Study of Grapheneâ€Based Copper Catalysts: Copper(I) Nanoplatelets for Batch and Continuousâ€Flow Applications. Chemistry - an Asian Journal, 2019, 14, 3011-3018.	3.3	9
79	A new strategy for the synthesis of fluorinated 3,4-dihydropyrimidinones. Journal of Fluorine Chemistry, 2009, 130, 1145-1150.	1.7	8
80	Synthetic and Biological Applications of Fluorous Reagents as Phase Tags. Topics in Current Chemistry, 2011, 308, 45-67.	4.0	8
81	Synthesis of polysubstituted β-amino cyclohexane carboxylic acids via Diels–Alder reaction using Ni(II)-complex stabilized β-alanine derived dienes. Amino Acids, 2013, 44, 791-796.	2.7	7
82	Design and synthesis of quasi-diastereomeric molecules with unchanging central, regenerating axial and switchable helical chirality via cleavage and formation of Ni(II)–O and Ni(II)–N coordination bonds. Beilstein Journal of Organic Chemistry, 2012, 8, 1920-1928.	2.2	4
83	Nitrogen-Containing Organofluorine Compounds through Metathesis Reactions. ACS Symposium Series, 2007, , 54-68.	0.5	3
84	Tiratricol Neutralizes Bacterial Endotoxins and Reduces Lipopolysaccharideâ€Induced TNFâ€Î± Production in the Cell. Chemical Biology and Drug Design, 2008, 72, 320-328.	3.2	3
85	A new and expeditious entry to 7-oxabicyclo[3.2.1]octan-8-ol and 2-oxabicyclo[3.3.1]nonan-9-ol skeletons via intramolecular Michael addition–SN2′ ring opening of 7-oxabicyclic sulfones. Tetrahedron Letters, 2000, 41, 2549-2551.	1.4	2
86	El sistema pHLIP como vehÃculo de microRNA en el riñón. Nefrologia, 2020, 40, 491-498.	0.4	2
87	Carbonyl group coordination preferences in square-planar Nill and PdII complexes of pentadentate ligands by electron-withdrawing/donating substituents. Inorganica Chimica Acta, 2015, 433, 3-12.	2.4	1
88	Asymmetric Synthesis of Fluorinated Cyclic β-Îʿmino Acid Derivatives through Cross Metathesis. Organic Letters, 2007, 9, 1617-1617.	4.6	0