

JosÃ© Luis AceÃ±a

List of Publications by Year in descending order

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88
papers

9,701
citations

101384

36
h-index

43802

91
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120
all docs

120
docs citations

120
times ranked

7278
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorine in Pharmaceutical Industry: Fluorine-Containing Drugs Introduced to the Market in the Last Decade (2001–2011). <i>Chemical Reviews</i> , 2014, 114, 2432-2506.	23.0	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. <i>Chemical Reviews</i> , 2016, 116, 422-518.	23.0	2,030
3	Recent advances in the trifluoromethylation methodology and new CF ₃ -containing drugs. <i>Journal of Fluorine Chemistry</i> , 2014, 167, 37-54.	0.9	383
4	A general overview of the organocatalytic intramolecular aza-Michael reaction. <i>Chemical Society Reviews</i> , 2014, 43, 7430-7453.	18.7	165
5	Recent Advances in the Asymmetric Synthesis of $\hat{\pm}$ -(Trifluoromethyl)-Containing $\hat{\pm}$ -Amino Acids. <i>Synthesis</i> , 2012, 44, 1591-1602.	1.2	154
6	Recent advances in the synthesis of fluorinated aminophosphonates and aminophosphonic acids. <i>RSC Advances</i> , 2013, 3, 6693.	1.7	146
7	Asymmetric synthesis of $\hat{\pm}$ -amino acids via homologation of Ni(II) complexes of glycine Schiff bases; Part 1: alkyl halide alkylations. <i>Amino Acids</i> , 2013, 45, 691-718.	1.2	135
8	Asymmetric synthesis of $\hat{\pm}$ -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 $\hat{\pm}$ -amino acids. <i>Amino Acids</i> , 2013, 45, 1017-1033.	1.2	121
9	Synthesis of fluorine-containing $\hat{\pm}$ -amino acids in enantiomerically pure form via homologation of Ni(II) complexes of glycine and alanine Schiff bases. <i>Journal of Fluorine Chemistry</i> , 2013, 155, 21-38. Stereocontrolled Total Synthesis of (+)-Altohyrtin A/Spongistatin 1 Financial support was provided by the EPSRC (GR/L41646), Cambridge Commonwealth Trust (Scholarship to M.J.C.), EC (Marie Curie) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	0.9	115
10	(Postdoctoral Fellowship to R.M.O.), Churchill College (Research Fellowship to D.J.W.), Kingapos;s College and Sims Fund, Cambridge (Scholarship to D.Y.K.C.). We also thank Merck and AstraZeneca Pharmaceuticals for generous suppo. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4055.	7.2	113
11	Asymmetric synthesis of $\hat{\pm}$ -amino acids via homologation of Ni(II) complexes of glycine Schiff bases. Part 3: Michael addition reactions and miscellaneous transformations. <i>Amino Acids</i> , 2014, 46, 2047-2073.	1.2	111
12	FM19G11, a New Hypoxia-inducible Factor (HIF) Modulator, Affects Stem Cell Differentiation Status. <i>Journal of Biological Chemistry</i> , 2010, 285, 1333-1342.	1.6	99
13	Chemical Kinetic Resolution of Unprotected $\hat{2}$ -Substituted $\hat{2}$ -Amino Acids Using Recyclable Chiral Ligands. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7883-7886.	7.2	88
14	Role of thegem-Difluoro Moiety in the Tandem Ring-Closing Metathesis~Olefin Isomerization:~Regioselective Preparation of Unsaturated Lactams. <i>Journal of Organic Chemistry</i> , 2006, 71, 2706-2714.	1.7	82
15	Optical Purifications via Self~Disproportionation of Enantiomers by Achiral Chromatography: Case Study of a Series of $\hat{\pm}$ -CF₃-containing Secondary Alcohols. <i>Chirality</i> , 2013, 25, 365-368.	1.3	82
16	Chemical Dynamic Kinetic Resolution and <i>S</i>/<i>R</i>-Interconversion of Unprotected $\hat{\pm}$ -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12214-12217.	7.2	78
17	Recent Developments in the Synthesis of Fluorinated β-Amino Acids. <i>Current Organic Chemistry</i> , 2010, 14, 928-949.	0.9	72
18	Self-Disproportionation of Enantiomers of Chiral, Non-Racemic Fluoroorganic Compounds: Role of Fluorine as Enabling Element. <i>Synthesis</i> , 2013, 45, 141-152.	1.2	69

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19	Recent Progress in the in situ Detrifluoroacetylation Generation of Fluoro Enolates and Their Reactions with Electrophiles. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6401-6412.	1.2	66
20	Nitrogen-Containing Organofluorine Derivatives: An Overview. <i>Synlett</i> , 2009, 2009, 525-549.	1.0	65
21	Tailor-Made $\hat{\pm}$ -Amino Acids in the Pharmaceutical Industry: Synthetic Approaches to (1R,2S)- $\hat{\pm}$ -Amino-2-vinylcyclopropane-1-carboxylic Acid (Vinyl-ACCA). <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2757-2774.	1.2	62
22	Self-disproportionation of enantiomers of non-racemic chiral amine derivatives through achiral chromatography. <i>Tetrahedron</i> , 2012, 68, 4013-4017.	1.0	59
23	Studies in Marine Polypropionate Synthesis: Total Synthesis of ($\hat{\pm}$)-Baconipyronone C. <i>Organic Letters</i> , 2000, 2, 1513-1516.	2.4	51
24	A comprehensive examination of the self-disproportionation of enantiomers (SDE) of chiral amides via achiral, laboratory-routine, gravity-driven column chromatography. <i>RSC Advances</i> , 2015, 5, 2988-2993.	1.7	49
25	Chemical approach for interconversion of (S)- and (R)- $\hat{\pm}$ -amino acids. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4503.	1.5	48
26	Asymmetric Carbon-Carbon Bond Formation under Solventless Conditions in Ball Mills. <i>ChemCatChem</i> , 2015, 7, 1265-1269.	1.8	47
27	Chemical deracemization and (S) to (R) interconversion of some fluorine-containing $\hat{\pm}$ -amino acids. <i>Journal of Fluorine Chemistry</i> , 2013, 152, 114-118.	0.9	44
28	Fluorous (Trimethylsilyl)ethanol: A New Reagent for Carboxylic Acid Tagging and Protection in Peptide Synthesis. <i>Journal of Organic Chemistry</i> , 2006, 71, 3299-3302.	1.7	43
29	Synthesis of (2S,3S)- $\hat{\pm}$ -(trifluoromethyl)- $\hat{\pm}$, $\hat{\pm}$ -diamino acid by Mannich addition of glycine Schiff base Ni(II) complexes to N-tert-butylsulfinyl-3,3,3-trifluoroacetalimine. <i>Journal of Fluorine Chemistry</i> , 2015, 171, 67-72.	0.9	43
30	The stereocontrolled total synthesis of althohyrin A/spongistatin 1: fragment couplings, completion of the synthesis, analogue generation and biological evaluation. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2431.	1.5	42
31	Total Synthesis of (+)-7-Deoxypancratistatin from Furan. <i>Organic Letters</i> , 2000, 2, 3683-3686.	2.4	41
32	Strain-directed bridge cleavage of (phenylsulfonyl)-7-oxabicyclo[2.2.1]heptane derivatives: application to the total synthesis of carba- α -DL-glucopyranose. <i>Journal of Organic Chemistry</i> , 1992, 57, 1945-1946.	1.7	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. <i>Journal of Organic Chemistry</i> , 1994, 59, 6419-6424.	1.7	39
34	Asymmetric Mannich reaction between (S)-N-(tert-butanesulfinyl)-3,3,3-trifluoroacetalimine and malonic acid derivatives. Stereodivergent synthesis of (R)- and (S)-3-amino-4,4,4-trifluorobutanoic acids. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1454.	1.5	39
35	Asymmetric Synthesis of $\hat{\pm}$ -Amino Acids under Operationally Convenient Conditions. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2203-2208.	2.1	38
36	NH-type of chiral Ni(ii) complexes of glycine Schiff base: design, structural evaluation, reactivity and synthetic applications. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1278.	1.5	37

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37	The stereocontrolled total synthesis of althohyrin A/spongistatin 1: the southern hemisphere EF segment. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2420.	1.5	36
38	Asymmetric Synthesis of Fluorinated Cyclic β -Amino Acid Derivatives through Cross Metathesis. <i>Organic Letters</i> , 2006, 8, 4633-4636.	2.4	36
39	Cross-Metathesis Reactions as an Efficient Tool in the Synthesis of Fluorinated Cyclic β -Amino Acids. <i>Journal of Organic Chemistry</i> , 2009, 74, 3414-3423.	1.7	36
40	Straightforward Stereoselective Access to Cyclic Peptidomimetics. <i>Journal of Organic Chemistry</i> , 2009, 74, 4429-4432.	1.7	36
41	Synthesis of Fluorinated β -Amino Acids. <i>Synthesis</i> , 2011, 2011, 3045-3079.	1.2	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. <i>Chemical Communications</i> , 2013, 49, 373-375.	2.2	35
43	Small Molecule Therapeutics for Ebola Virus (EBOV) Disease Treatment. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 8-16.	1.2	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. <i>Amino Acids</i> , 2016, 48, 973-986.	1.2	34
45	The self-disproportionation of the enantiomers (SDE) of methyl n-pentyl sulfoxide via achiral, gravity-driven column chromatography: a case study. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4738.	1.5	32
46	An Efficient Entry to Optically Active <i>anti</i> - and <i>syn</i> - β -Amino- β -trifluoromethyl Alcohols. <i>Organic Letters</i> , 2008, 10, 605-608.	2.4	31
47	Synthesis of bis- β -amino acids through diastereoselective bis-alkylations of chiral Ni(ii)-complexes of glycine. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4508.	1.5	31
48	Chemical Dynamic Thermodynamic Resolution and <i>S</i> / <i>R</i> Interconversion of Unprotected Unnatural Tailor-made β -Amino Acids. <i>Journal of Organic Chemistry</i> , 2015, 80, 9817-9830.	1.7	31
49	Asymmetric synthesis of β -(1-oxoisindolin-3-yl)glycine: synthetic and mechanistic challenges. <i>Chemical Communications</i> , 2015, 51, 1624-1626.	2.2	30
50	Asymmetric synthesis of (1R,2S)-1-amino-2-vinylcyclopropanecarboxylic acid by sequential S_N2 dialkylation of (R)-N-(benzyl)proline-derived glycine Schiff base Ni(ii) complex. <i>RSC Advances</i> , 2015, 5, 1051-1058.	1.7	27
51	Total Syntheses of (β)-Cyclophellitol and (1R*,6S*)-Cyclophellitol. <i>Journal of Organic Chemistry</i> , 1997, 62, 3360-3364.	1.7	26
52	Stereoselective Access to Fluorinated and Non-fluorinated Quaternary Piperidines: Synthesis of Pipcolic Acid and Iminosugar Derivatives. <i>Chemistry - A European Journal</i> , 2012, 18, 3753-3764.	1.7	26
53	A convenient approach to the aminocyclitol fragment of pancratistatin from 7-oxanorbornenes. <i>Tetrahedron Letters</i> , 1996, 37, 105-106.	0.7	25
54	Organocatalytic <i>anti</i> -selective Mannich Reactions with Fluorinated Aldimines: Synthesis of <i>anti</i> - β -Fluoroalkyl- β -amino Alcohols. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5208-5214.	1.2	25

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55	Introducing a new radical trifluoromethylation reagent. <i>Chemical Communications</i> , 2015, 51, 5967-5970.	2.2	25
56	Alkylations of Chiral Nickel(II) Complexes of Glycine under Phase-Transfer Conditions. <i>Helvetica Chimica Acta</i> , 2012, 95, 2672-2679.	1.0	24
57	Diastereoselective Intramolecular Additions of Allyl- and Propargylsilanes to Iminium Ions: Synthesis of Cyclic and Bicyclic Quaternary Amino Acids. <i>Organic Letters</i> , 2010, 12, 3014-3017.	2.4	23
58	FM19G11 reverses endothelial dysfunction in rat and human arteries through stimulation of the PI3K/Akt/eNOS pathway, independently of mTOR/HIF1 α activation. <i>British Journal of Pharmacology</i> , 2015, 172, 1277-1291.	2.7	22
59	Sustainable Synthesis of Oximes, Hydrazones, and Thiosemicarbazones under Mild Organocatalyzed Reaction Conditions. <i>Journal of Organic Chemistry</i> , 2016, 81, 10016-10022.	1.7	22
60	Synthesis and Biological Evaluation of New Bicyclic Fluorinated Uracils through Ring-Closing Metathesis. <i>Journal of Organic Chemistry</i> , 2006, 71, 4010-4013.	1.7	20
61	First Fluorous Synthesis of Fluorinated Uracils. <i>QSAR and Combinatorial Science</i> , 2006, 25, 753-760.	1.5	17
62	Unexpected One-Pot Epoxy Sulfone \rightarrow Enaminone Transformation. Synthesis of 5a-Carba- β -mannopyranosylamine. <i>Journal of Organic Chemistry</i> , 2000, 65, 2580-2582.	1.7	16
63	Total synthesis of (+)-pinitol. <i>Tetrahedron: Asymmetry</i> , 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. <i>Tetrahedron Letters</i> , 1996, 37, 8957-8960.	0.7	14
65	Asymmetric Synthesis of (2 <i>S</i> ,3 <i>S</i>)- β -(1-Oxoisoindolin-3-yl)glycines under Low-Basicity Kinetic-Control. <i>Journal of Organic Chemistry</i> , 2015, 80, 11275-11280.	1.7	13
66	Assignment of Absolute Configuration on the Basis of the Conformational Effects Induced by Chiral Derivatizing Agents: The 2-Arylpyrrolidine Case. <i>Organic Letters</i> , 2007, 9, 4123-4126.	2.4	12
67	An Approach to 2,4-Substituted Pyrazolo[1,5- <i>a</i>]pyridines and Pyrazolo[1,5- <i>a</i>]azepines by Ring-Closing Metathesis. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7164-7174.	1.2	12
68	Biochemical quantitation of the eIF5A hypusination in <i>Arabidopsis thaliana</i> uncovers ABA-dependent regulation. <i>Frontiers in Plant Science</i> , 2014, 5, 202.	1.7	12
69	Design and synthesis of (S)- and (R)- β -(phenyl)ethylamine-derived NH-type ligands and their application for the chemical resolution of β -amino acids. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6239.	1.5	12
70	Inexpensive chemical method for preparation of enantiomerically pure phenylalanine. <i>Amino Acids</i> , 2014, 46, 945-952.	1.2	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. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 442-448.	1.3	12
72	Unexpected reactivity of graphene oxide with DBU and DMF. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12637-12646.	5.2	12

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73	New fluorinated 1,3-vinyllogous amidines as versatile intermediates: synthesis of fluorinated pyrimidin-2(1H)-ones. <i>Tetrahedron</i> , 2006, 62, 1444-1451.	1.0	11
74	Fluorous TBAF: A Convenient and Selective Reagent for Fluoride-Mediated Deprotections. <i>Journal of Organic Chemistry</i> , 2009, 74, 6398-6401.	1.7	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. <i>Journal of Mass Spectrometry</i> , 2003, 38, 548-554.	0.7	10
76	A stereodivergent synthesis of (1R,2S)-cyclophellitol and (1S,2R)-cyclophellitol from the 7-oxabicyclo-[2.2.1]hept-5-ene-2-endo-carboxylic acid. <i>Tetrahedron Letters</i> , 1996, 37, 3043-3044.	0.7	9
77	Chiral <i>N</i> - <i>t</i> -Bu and <i>N</i> -Ad Ni(II) Complexes of Glycine Schiff Bases: Deduction of a Mode of Kinetic Diastereoselectivity. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4309-4314.	1.2	9
78	A Study of Graphene-Based Copper Catalysts: Copper(I) Nanoplatelets for Batch and Continuous-Flow Applications. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3011-3018.	1.7	9
79	A new strategy for the synthesis of fluorinated 3,4-dihydropyrimidinones. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 1145-1150.	0.9	8
80	Synthetic and Biological Applications of Fluorous Reagents as Phase Tags. <i>Topics in Current Chemistry</i> , 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. <i>Amino Acids</i> , 2013, 44, 791-796.	1.2	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. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1920-1928.	1.3	4
83	Nitrogen-Containing Organofluorine Compounds through Metathesis Reactions. <i>ACS Symposium Series</i> , 2007, , 54-68.	0.5	3
84	Tiratricol Neutralizes Bacterial Endotoxins and Reduces Lipopolysaccharide-Induced TNF α Production in the Cell. <i>Chemical Biology and Drug Design</i> , 2008, 72, 320-328.	1.5	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-SN 2 ring opening of 7-oxabicyclic sulfones. <i>Tetrahedron Letters</i> , 2000, 41, 2549-2551.	0.7	2
86	El sistema pHLIP como vehÃculo de microRNA en el riÃn. <i>Nefrologia</i> , 2020, 40, 491-498.	0.2	2
87	Carbonyl group coordination preferences in square-planar NiII and PdII complexes of pentadentate ligands by electron-withdrawing/donating substituents. <i>Inorganica Chimica Acta</i> , 2015, 433, 3-12.	1.2	1
88	Asymmetric Synthesis of Fluorinated Cyclic β -amino Acid Derivatives through Cross Metathesis. <i>Organic Letters</i> , 2007, 9, 1617-1617.	2.4	0