

Santos Fustero

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ext. citations

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L-index

#	Paper	IF	Citations
214	Fluorine in pharmaceutical industry: fluorine-containing drugs introduced to the market in the last decade (2001-2011). <i>Chemical Reviews</i> , 2014 , 114, 2432-506	68.1	2974
213	From 2000 to mid-2010: a fruitful decade for the synthesis of pyrazoles. <i>Chemical Reviews</i> , 2011 , 111, 6984-7034	68.1	758
212	Fluorine-Containing Drugs Approved by the FDA in 2018. <i>Chemistry - A European Journal</i> , 2019 , 25, 11797-8181	4.8	113
211	Recent Advances in the Synthesis of Pyrazoles. A Review. <i>Organic Preparations and Procedures International</i> , 2009 , 41, 253-290	1.1	167
210	Enantioselective organocatalytic intramolecular aza-Michael reaction: a concise synthesis of (+)-sedamine, (+)-allosedamine, and (+)-coniine. <i>Organic Letters</i> , 2007 , 9, 5283-6	6.2	157
209	Improved regioselectivity in pyrazole formation through the use of fluorinated alcohols as solvents: synthesis and biological activity of fluorinated tebufenpyrad analogs. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3523-9	4.2	154
208	Olefin metathesis reactions with fluorinated substrates, catalysts, and solvents. <i>Chemical Reviews</i> , 2015 , 115, 871-930	68.1	131
207	Microwave-assisted tandem cross metathesis intramolecular Aza-Michael reaction: an easy entry to cyclic beta-amino carbonyl derivatives. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6700-1	16.4	119
206	Organocatalytic approach to benzofused nitrogen-containing heterocycles: enantioselective total synthesis of (+)-angustureine. <i>Chemistry - A European Journal</i> , 2008 , 14, 9868-72	4.8	111
205	Synthesis of new fluorinated Tebufenpyrad analogs with acaricidal activity through regioselective pyrazole formation. <i>Journal of Organic Chemistry</i> , 2008 , 73, 8545-52	4.2	105
204	Highly enantioselective synthesis of fluorinated gamma-amino alcohols through proline-catalyzed cross-Mannich reaction. <i>Organic Letters</i> , 2005 , 7, 3433-6	6.2	82
203	Fluorine-containing drugs approved by the FDA in 2019. <i>Chinese Chemical Letters</i> , 2020 , 31, 2401-2413	8.1	75
202	Role of the gem-difluoro moiety in the tandem ring-closing metathesis-olefin isomerization: regioselective preparation of unsaturated lactams. <i>Journal of Organic Chemistry</i> , 2006 , 71, 2706-14	4.2	75
201	Tandem nucleophilic addition-intramolecular aza-Michael reaction: facile synthesis of chiral fluorinated isoindolines. <i>Organic Letters</i> , 2010 , 12, 5494-7	6.2	70
200	Gold-catalyzed intramolecular hydroamination of o-alkynylbenzyl carbamates: a route to chiral fluorinated isoindoline and isoquinoline derivatives. <i>Organic Letters</i> , 2013 , 15, 832-5	6.2	69
199	Recent Developments in the Synthesis of Fluorinated α -Amino Acids. <i>Current Organic Chemistry</i> , 2010 , 14, 928-949	1.7	69
198	N-sulfinyl amines as a nitrogen source in the asymmetric intramolecular aza-Michael reaction: total synthesis of (-)-pinidinol. <i>Chemistry - A European Journal</i> , 2010 , 16, 9835-45	4.8	68

197	Intramolecular hydroamination of difluoropropargyl amides: regioselective synthesis of fluorinated beta- and gamma-lactams. <i>Organic Letters</i> , 2007 , 9, 4251-3	6.2	64
196	New strategy for the stereoselective synthesis of fluorinated beta-amino acids. <i>Journal of Organic Chemistry</i> , 2002 , 67, 4667-79	4.2	62
195	Nitrogen-Containing Organofluorine Derivatives: An Overview. <i>Synlett</i> , 2009 , 2009, 525-549	2.2	61
194	Solution versus fluorous versus solid-phase synthesis of 2,5-disubstituted 1,3-azoles. Preliminary antibacterial activity studies. <i>Journal of Organic Chemistry</i> , 2009 , 74, 8988-96	4.2	57
193	Highly stereoselective tandem aza-Michael addition-enolate protonation to form partially modified retropeptide mimetics incorporating a trifluoroalanine surrogate. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2060-3	16.4	56
192	Synthesis of Nonracemic α -Trifluoromethyl β -Amino Acids from Sulfinimines of Trifluoropyruvate. <i>European Journal of Organic Chemistry</i> , 2001 , 2001, 1449-1458	3.2	52
191	Stereoselective Mannich-Type Reaction of an Acyclic Ketimine with a Substituted Chlorotitanium Enolate: Efficient Approach to d-erythro- α -Trifluoromethyl β -hydroxyaspartic Units. <i>Journal of Organic Chemistry</i> , 1999 , 64, 8731-8735	4.2	52
190	Sildenafil reduces neuroinflammation and restores spatial learning in rats with hepatic encephalopathy: underlying mechanisms. <i>Journal of Neuroinflammation</i> , 2015 , 12, 195	10.1	51
189	Tailor-Made Amino Acids and Fluorinated Motifs as Prominent Traits in Modern Pharmaceuticals. <i>Chemistry - A European Journal</i> , 2020 , 26, 11349-11390	4.8	50
188	Enantioselective synthesis of fluorinated alpha-amino acids and derivatives in combination with ring-closing metathesis: intramolecular pi-stacking interactions as a source of stereocontrol. <i>Organic Letters</i> , 2001 , 3, 2621-4	6.2	50
187	Chemical Aspects of Human and Environmental Overload with Fluorine. <i>Chemical Reviews</i> , 2021 , 121, 4678-4742	68.1	49
186	Anionic-anionic asymmetric tandem reactions: one-pot synthesis of optically pure fluorinated indolines from 2-p-tolylsulfinyl alkylbenzenes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7941-7944	16.4	47
185	Enantioselective Palladium-Catalyzed Oxidative α -Fluoroarylation of α,β -Unsaturated Carbonyl Derivatives. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9045-9	16.4	47
184	Recent advances in the synthesis of functionalised monofluorinated compounds. <i>Chemical Communications</i> , 2018 , 54, 9706-9725	5.8	46
183	Microwave-assisted organocatalytic enantioselective intramolecular aza-Michael reaction with α,β -unsaturated ketones. <i>Chemistry - A European Journal</i> , 2011 , 17, 14267-72	4.8	46
182	Base-dependent stereodivergent intramolecular aza-Michael reaction: asymmetric synthesis of 1,3-disubstituted isoindolines. <i>Chemistry - A European Journal</i> , 2013 , 19, 11776-85	4.8	44
181	Tandem asymmetric Michael reaction-intramolecular Michael addition. An easy entry to chiral fluorinated 1,4-dihydropyridines. <i>Organic Letters</i> , 2010 , 12, 3484-7	6.2	44
180	Diastereoselective synthesis of fluorinated, seven-membered beta-amino acid derivatives via ring-closing metathesis. <i>Organic Letters</i> , 2003 , 5, 2523-6	6.2	42

179	Asymmetric synthesis of new beta,beta-difluorinated cyclic quaternary alpha-amino acid derivatives. <i>Organic Letters</i> , 2006 , 8, 4129-32	6.2	40
178	First Highly Diastereoselective Synthesis of syn β Methyl β Fluoroalkyl β Amino Esters. <i>Organic Letters</i> , 1999 , 1, 977-980	6.2	40
177	Chiral Brønsted Acid-Catalyzed Asymmetric Allyl(propargyl)boration Reaction of ortho-Alkynyl Benzaldehydes: Synthetic Applications and Factors Governing the Enantioselectivity. <i>ACS Catalysis</i> , 2016 , 6, 2506-2514	13.1	39
176	Fluorous (trimethylsilyl)ethanol: a new reagent for carboxylic acid tagging and protection in peptide synthesis. <i>Journal of Organic Chemistry</i> , 2006 , 71, 3299-302	4.2	39
175	A novel and selective fluoride opening of aziridines by XtalFluor-E. synthesis of fluorinated diamino acid derivatives. <i>Organic Letters</i> , 2015 , 17, 1074-7	6.2	38
174	Relay Catalysis: Enantioselective Synthesis of Cyclic Benzo-Fused Homoallylic Alcohols by Chiral Brønsted Acid-Catalyzed Allylboration/Ring Closing Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 1058-1064	5.6	38
173	Concise preparation of 2,2-difluorohomopropargyl carbonyl derivatives. Application to the synthesis of 4,4-difluoroisoquinolinone congeners. <i>Journal of Organic Chemistry</i> , 2008 , 73, 2656-61	4.2	38
172	Asymmetric synthesis of fluorinated cyclic beta-amino acid derivatives through cross metathesis. <i>Organic Letters</i> , 2006 , 8, 4633-6	6.2	36
171	Synthesis and Reactivity of New β Enamino Acid Derivatives: A Simple and General Approach to β Enamino Esters and Thioesters. <i>Journal of Organic Chemistry</i> , 1998 , 63, 8825-8836	4.2	36
170	Stereoselective synthesis of 1,3-amino alcohols and 1,3-amino ketones. <i>Journal of Organic Chemistry</i> , 1992 , 57, 1219-1223	4.2	36
169	Synthesis of Fluorinated β Amino Acids. <i>Synthesis</i> , 2011 , 2011, 3045-3079	2.9	35
168	Straightforward stereoselective access to cyclic peptidomimetics. <i>Journal of Organic Chemistry</i> , 2009 , 74, 4429-32	4.2	35
167	Asymmetric synthesis of indolines through intramolecular shifting of aromatic sulfinyl groups. Role of the pi,pi-stacking interactions in these unusual S(N)Ar processes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9432-41	16.4	35
166	Novel approach for asymmetric synthesis of fluorinated beta-amino sulfones and allylic amines. <i>Organic Letters</i> , 2003 , 5, 2707-10	6.2	35
165	New Strategies for the Synthesis of Fluorinated Vinylogous Amidines and beta-Enamino Ketones. <i>Journal of Organic Chemistry</i> , 1999 , 64, 5551-5556	4.2	35
164	Cross-metathesis reactions as an efficient tool in the synthesis of fluorinated cyclic beta-amino acids. <i>Journal of Organic Chemistry</i> , 2009 , 74, 3414-23	4.2	34
163	A versatile synthesis of fluorinated uracils in solution and on solid-phase. <i>Organic Letters</i> , 2004 , 6, 1417-202	4.2	34
162	β Silylboronates in the chiral Brønsted acid-catalysed allylboration of aldehydes. <i>Chemical Communications</i> , 2015 , 51, 5246-9	5.8	33

161	A new strategy for the synthesis of optically pure beta-fluoroalkyl beta-amino acid derivatives. <i>Organic Letters</i> , 2009 , 11, 641-4	6.2	33
160	Intramolecular Michael reaction of tert-butylsulfinyl ketimines: asymmetric synthesis of 3-substituted indanones. <i>Organic Letters</i> , 2011 , 13, 6564-7	6.2	32
159	Sildenafil reduces neuroinflammation in cerebellum, restores GABAergic tone, and improves motor in-coordination in rats with hepatic encephalopathy. <i>CNS Neuroscience and Therapeutics</i> , 2017 , 23, 386-394	6.8	31
158	Organocatalytic enantioselective synthesis of quinolizidine alkaloids (+)-myrtine, (±)-lupinine, and (+)-epiepipinamide. <i>Tetrahedron</i> , 2011 , 67, 7412-7417	2.4	31
157	Asymmetric tandem reactions: New synthetic strategies. <i>Pure and Applied Chemistry</i> , 2010 , 82, 669-677	2.1	31
156	Synthesis of 3-substituted isoindolin-1-ones via a tandem desilylation, cross-coupling, hydroamidation sequence under aqueous phase-transfer conditions. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 85-92	3.9	30
155	Asymmetric allylation/Pauson-Khand reaction: a simple entry to polycyclic amines. Application to the synthesis of aminosteroid analogues. <i>Organic Letters</i> , 2014 , 16, 1224-7	6.2	30
154	Gold catalyzed stereoselective tandem hydroamination-formal aza-Diels-Alder reaction of propargylic amino esters. <i>Chemical Communications</i> , 2013 , 49, 1336-8	5.8	30
153	Selective Synthesis of New Fluorinated Alicyclic β-Amino Ester Stereoisomers. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 4993-5001	3.2	30
152	Regio- and diastereoselective fluorination of alicyclic β-amino acids. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 6528-34	3.9	30
151	An Efficient and Simple Entry to N-Substituted beta-Enamino Acid Derivatives from 2-Alkyl-2-oxazolines and 2-Alkyl-2-thiazolines. <i>Journal of Organic Chemistry</i> , 1996 , 61, 8849-8859	4.2	30
150	Solution-, solid-phase, and fluorous synthesis of beta,beta-difluorinated cyclic quaternary alpha-amino acid derivatives: a comparative study. <i>Chemistry - A European Journal</i> , 2008 , 14, 7019-29	4.8	28
149	Asymmetric Synthesis of Fluorinated Isoindolinones through Palladium-Catalyzed Carbonylative Amination of Enantioenriched Benzylic Carbamates. <i>Chemistry - A European Journal</i> , 2015 , 21, 11579-84	4.8	27
148	An efficient entry to optically active anti- and syn-beta-amino-alpha-trifluoromethyl alcohols. <i>Organic Letters</i> , 2008 , 10, 605-8	6.2	26
147	Two Practical and Efficient Approaches to Fluorinated and Nonfluorinated Chiral beta-Imino Sulfoxides. <i>Journal of Organic Chemistry</i> , 1998 , 63, 6210-6219	4.2	26
146	Stereoselective access to fluorinated and non-fluorinated quaternary piperidines: synthesis of pipercolic acid and iminosugar derivatives. <i>Chemistry - A European Journal</i> , 2012 , 18, 3753-64	4.8	25
145	Preparation and reactivity of 2-Aza-1,3-butadienes: A Diels-Alder route to 5,6-dihydro-2H-1,3-oxazine derivatives. <i>Chemische Berichte</i> , 1985 , 118, 3652-3663		25
144	Asymmetric intramolecular aza-Michael reaction in desymmetrization processes. Total synthesis of hippodamine and epi-hippodamine. <i>Organic Letters</i> , 2015 , 17, 960-3	6.2	24

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- 142 Organocatalytic anti-Selective Mannich Reactions with Fluorinated Aldimines: Synthesis of anti-Fluoroalkyl- β -Amino Alcohols. *European Journal of Organic Chemistry*, **2009**, 2009, 5208-5214 3.2 24
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- 140 Fluorinated Chaperone- β -Cyclodextrin Formulations for β -Glucocerebrosidase Activity Enhancement in Neuronopathic Gaucher Disease. *Journal of Medicinal Chemistry*, **2017**, 60, 1829-1842 8.3 23
- 139 Asymmetric Synthesis of Monofluorinated 1-Amino-1,2-dihydronaphthalene and 1,3-Amino Alcohol Derivatives. *Organic Letters*, **2016**, 18, 948-51 6.2 23
- 138 Chiral monofluorobenzyl carbanions: synthesis of enantiopure β -fluorinated β -phenylethylamines. *Chemistry - A European Journal*, **2011**, 17, 6142-7 4.8 22
- 137 Diastereoselective intramolecular additions of allyl- and propargylsilanes to iminium ions: synthesis of cyclic and bicyclic quaternary amino acids. *Organic Letters*, **2010**, 12, 3014-7 6.2 22
- 136 New approaches to the synthesis of organofluorine nitrogenated derivatives. *Journal of Fluorine Chemistry*, **2004**, 125, 621-627 2.1 22
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- 132 Structure-based design of an RNA-binding p-terphenylene scaffold that inhibits HIV-1 Rev protein function. *Angewandte Chemie - International Edition*, **2013**, 52, 13405-9 16.4 21
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- 128 Intramolecular Nitrene Cycloaddition of β -(Trifluoromethyl)styrenes. Role of the CF Group in the Regioselectivity. *Journal of Organic Chemistry*, **2017**, 82, 2505-2514 4.2 18
- 127 Tandem gold self-relay catalysis for the synthesis of 2,3-dihydropyridin-4(1H)-ones: combination of σ - and π -Lewis acid properties of gold salts. *Chemistry - A European Journal*, **2014**, 20, 14126-31 4.8 18
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- 112 A simple regiospecific synthesis of substituted pyridines from 2-aza-1,3-dienes. *Journal of Organic Chemistry*, **1988**, 53, 5960-5963 4.2 16
- 111 Microwave-assisted tandem organocatalytic peptide-coupling intramolecular aza-Michael reaction: α -unsaturated N-acyl pyrazoles as Michael acceptors. *Chemistry - A European Journal*, **2014**, 20, 15697-7014 4.8 15
- 110 The role of fluorine in the stereoselective tandem aza-Michael addition to acrylamide acceptors: an experimental and theoretical mechanistic study. *Chemistry - A European Journal*, **2007**, 13, 8530-42 4.8 15
- 109 Reduction of 1,3-diimines. A new and general method of synthesis of γ -diamines, β -amino ketones, and derivatives with two and three chiral centers. *Journal of Organic Chemistry*, **1983**, 48, 2255-2259 4.2 15
- 108 Enantioselective Palladium-Catalyzed Oxidative α -Fluoroarylation of α -Unsaturated Carbonyl Derivatives. *Angewandte Chemie*, **2016**, 128, 9191-9195 3.6 15

107	Recent progress in the application of fluorinated chiral sulfinimine reagents. <i>Journal of Fluorine Chemistry</i> , 2018 , 216, 57-70	2.1	15
106	Metal-Free and User-Friendly Regioselective Hydroxyfluorination of Olefins. <i>Organic Letters</i> , 2018 , 20, 2338-2341	6.2	14
105	Synthesis of Fluorinated and Nonfluorinated Tebufenpyrad Analogues for the Study of Anti-angiogenesis MOA. <i>Organic Process Research and Development</i> , 2014 , 18, 1027-1036	3.9	14
104	A Versatile Approach to CF ₃ -Containing 2-Pyrrolidones by Tandem Michael Addition-Cyclization: Exemplification in the Synthesis of Amidine Class BACE1 Inhibitors. <i>Chemistry - A European Journal</i> , 2015 , 21, 11719-26	4.8	14
103	Asymmetric synthesis of quaternary α -amino acid derivatives and their fluorinated analogues. <i>Amino Acids</i> , 2011 , 41, 559-73	3.5	14
102	Stereocontrolled solid-phase synthesis of fluorinated partially-modified retropeptides via tandem aza-Michael/enolate-protonation. <i>Tetrahedron Letters</i> , 2003 , 44, 7019-7022	2	14
101	An efficient synthesis of new fluorinated uracil derivatives. <i>Chemical Communications</i> , 2003 , 844-845	5.8	14
100	A concise, asymmetric synthesis of tetramic acid derivatives. <i>Organic Letters</i> , 2002 , 4, 3651-4	6.2	14
99	Dual Role of Vinyl Sulfonamides as N-Nucleophiles and Michael Acceptors in the Enantioselective Synthesis of Bicyclic β -lactams. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 2885-2893	5.6	14
98	Olefin-Bond Chemodifferentiation through Cross-Metathesis Reactions: A Stereocontrolled Approach to Functionalized α,β -Amino Acid Derivatives. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 1894-1901	3.2	13
97	8-Iodonaphthalene-1-carbaldehyde: A Versatile Building Block for Diversity-Oriented Synthesis. <i>Organic Letters</i> , 2016 , 18, 4722-5	6.2	13
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86	Synthesis and C-alkylation of C-protected β -enamino acid derivatives from oxa- thia- and imidazolines. <i>Tetrahedron</i> , 1999 , 55, 2695-2712	2.4	11
85	A simple stereoselective synthesis of primary allylic amines from 4-amino-1-azadienes. <i>Journal of the Chemical Society Chemical Communications</i> , 1989 , 1132		11
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83	An efficient and general strategy for the synthesis of 1,4-dihydro- β - and - β -azaphosphinines from 2-aza-1,3-dienes. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 1596-1597		11
82	Diastereoselective Synthesis of Enantioenriched Trifluoromethylated Ethylenediamines and Isoindolines Containing Two Stereogenic Carbon Centers by Nucleophilic Trifluoromethylation Using HFC-23. <i>Journal of Organic Chemistry</i> , 2020 , 85, 7976-7985	4.2	10
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79	Substrate-dependent fluorinations of highly functionalized cycloalkanes. <i>Tetrahedron</i> , 2016 , 72, 781-787	2.4	10
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