

Elena M Sanchez Fernandez

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44
papers

1,278
citations

22
h-index

35
g-index

52
ext. papers

1,433
ext. citations

4.9
avg, IF

4.08
L-index

#	Paper	IF	Citations
44	Titanocene-Mediated Radical Cyclization: An Emergent Method Towards the Synthesis of Natural Products. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 1627-1641	3.2	120
43	Glycomimetic-based pharmacological chaperones for lysosomal storage disorders: lessons from Gaucher, GM1-gangliosidosis and Fabry diseases. <i>Chemical Communications</i> , 2016 , 52, 5497-515	5.8	94
42	Asymmetric synthesis of N,O,O,O-tetra-acetyl d-lyxo-phytosphingosine, jaspine B (pachastrissamine), 2-epi-jaspine B, and deoxoprosopphylline via lithium amide conjugate addition. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1665-73	3.9	94
41	Asymmetric synthesis of N,O,O,O-tetra-acetyl d-lyxo-phytosphingosine, jaspine B (pachastrissamine) and its C(2)-epimer. <i>Tetrahedron: Asymmetry</i> , 2007 , 18, 2510-2513		71
40	Synthesis of N-, S-, and C-glycoside castanospermine analogues with selective neutral alpha-glucosidase inhibitory activity as antitumour agents. <i>Chemical Communications</i> , 2010 , 46, 5328-30	5.8	63
39	Couplings of benzylic halides mediated by titanocene chloride: synthesis of bibenzyl derivatives. <i>Journal of Organic Chemistry</i> , 2007 , 72, 2251-4	4.2	59
38	Modulation of microglia polarization dynamics during diabetic retinopathy in db/db mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 1663-74	6.9	57
37	Reductive coupling of terpenic allylic halides catalyzed by Cp ₂ TiCl: a short and efficient asymmetric synthesis of onocerane triterpenes. <i>Organic Letters</i> , 2005 , 7, 2301-4	6.2	50
36	Investigations on the oxygen dependence of a 2-oxoglutarate histone demethylase. <i>Biochemical Journal</i> , 2013 , 449, 491-6	3.8	48
35	Mild TiIII- and Mn/ZrIV-catalytic reductive coupling of allylic halides: efficient synthesis of symmetric terpenes. <i>Journal of Organic Chemistry</i> , 2007 , 72, 2988-95	4.2	45
34	sp ² -Iminosugar O-, S-, and N-glycosides as conformational mimics of β-linked disaccharides; implications for glycosidase inhibition. <i>Chemistry - A European Journal</i> , 2012 , 18, 8527-39	4.8	44
33	Efficient transfection of hepatocytes mediated by mRNA complexed to galactosylated cyclodextrins. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1276-89	6.3	36
32	Solid-phase selenium-catalyzed selective allylic chlorination of polyprenoids: facile syntheses of biologically active terpenoids. <i>Journal of Organic Chemistry</i> , 2006 , 71, 5811-4	4.2	34
31	Generalized anomeric effect in gem-diamines: stereoselective synthesis of alpha-N-linked disaccharide mimics. <i>Organic Letters</i> , 2009 , 11, 3306-9	6.2	33
30	Influence of the configurational pattern of sp ² -iminosugar pseudo N-, S-, O- and C-glycosides on their glycoside inhibitory and antitumor properties. <i>Carbohydrate Research</i> , 2016 , 429, 113-22	2.9	32
29	New castanospermine glycoside analogues inhibit breast cancer cell proliferation and induce apoptosis without affecting normal cells. <i>PLoS ONE</i> , 2013 , 8, e76411	3.7	31
28	sp ² -Iminosugar β-glucosidase inhibitor 1-C-octyl-2-oxa-3-oxocastanospermine specifically affected breast cancer cell migration through Stim1, β-integrin, and FAK signaling pathways. <i>Journal of Cellular Physiology</i> , 2017 , 232, 3631-3640	7	30

27	Tn Antigen Mimics Based on sp(2)-Iminosugars with Affinity for an anti-MUC1 Antibody. <i>Organic Letters</i> , 2016 , 18, 3890-3	6.2	25
26	Tuning of glyconanomaterial shape and size for selective bacterial cell agglutination. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2028-2037	7.3	25
25	Fluorinated Chaperone- β -Cyclodextrin Formulations for β -Glucocerebrosidase Activity Enhancement in Neuronopathic Gaucher Disease. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 1829-1842	8.3	23
24	Antileishmanial activity of sp ² -iminosugar derivatives. <i>RSC Advances</i> , 2015 , 5, 21812-21822	3.7	23
23	Regio- and diastereoselective reductive coupling of vinyloxyepoxides catalyzed by titanocene chloride. <i>Organic Letters</i> , 2006 , 8, 669-72	6.2	22
22	Synthesis of five- to seven-membered polyfunctional terpenic carbocycles via Ti(III)-catalyzed radical cyclizations of epoxydiprenes. <i>Tetrahedron</i> , 2006 , 62, 5215-5222	2.4	20
21	Synthesis of multibranched australine derivatives from reducing castanospermine analogues through the Amadori rearrangement of gem-diamine intermediates: selective inhibitors of β -glucosidase. <i>Journal of Organic Chemistry</i> , 2014 , 79, 11722-8	4.2	19
20	Asymmetric synthesis of β -mercapto- β -amino acid derivatives: application to the synthesis of polysubstituted thiomorpholines. <i>Tetrahedron: Asymmetry</i> , 2006 , 17, 1135-1145		17
19	The sp-iminosugar glycolipid 1-dodecylsulfonyl-5N,6O-oxomethylidenenojirimycin (DSO-ONJ) as selective anti-inflammatory agent by modulation of hemeoxygenase-1 in Bv.2 microglial cells and retinal explants. <i>Food and Chemical Toxicology</i> , 2018 , 111, 454-466	4.7	15
18	Tandem addition-cyclization mediated by sulfanyl radicals: a versatile strategy for iridoids synthesis. <i>Tetrahedron</i> , 2008 , 64, 5111-5118	2.4	12
17	Chemical Composition of the Essential Oil from the Leaves of <i>Juniperus phoenicea</i> L. from North Africa. <i>Journal of Essential Oil Research</i> , 2006 , 18, 168-169	2.3	12
16	Modeling the effect of substitution on the Pb(OAc) ₄ mediated oxidative cleavage of steroidal 1,2-diols. <i>Journal of Organic Chemistry</i> , 2005 , 70, 7080-6	4.2	12
15	Mild Protocols for Generating Molecular Complexity: A Comparative Study of Hetero-Domino Reactions Based on the Oxidant and the Substitution Pattern. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 683-700	3.2	12
14	Synthesis, conformational analysis and assays of an anti-cancer vaccine that features an unnatural antigen based on an sp-iminosugar fragment. <i>Chemical Science</i> , 2020 , 11, 3996-4006	9.4	11
13	sp-Iminosugar glycolipids as inhibitors of lipopolysaccharide-mediated human dendritic cell activation <i>in vitro</i> and of acute inflammation in mice <i>in vivo</i> . <i>European Journal of Medicinal Chemistry</i> , 2019 , 169, 111-120	6.8	10
12	Conformationally-locked C-glycosides: tuning aglycone interactions for optimal chaperone behaviour in Gaucher fibroblasts. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 1473-84	3.9	10
11	Synthesis of polyfluoroalkyl sp-iminosugar glycolipids and evaluation of their immunomodulatory properties towards anti-tumor, anti-leishmanial and anti-inflammatory therapies. <i>European Journal of Medicinal Chemistry</i> , 2019 , 182, 111604	6.8	10
10	Mannose-coated polydiacetylene (PDA)-based nanomicelles: synthesis, interaction with concanavalin A and application in the water solubilization and delivery of hydrophobic molecules. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5930-5946	7.3	10

9	Transannular Cyclization of Epoxycaryophyllenes Catalyzed by Ti(III): An Efficient Synthesis of Tricyclo[6.3.0.0 ^{2,5}]undecanes. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 3434-3441	3.2	10
8	Sulfanyl Radical-Induced Cyclization of Linalyl Acetate to the Iridane Skeleton: A Short Synthesis of (E)-Dehydroiridomyrmecin. <i>Synlett</i> , 2005 , 2005, 591-594	2.2	9
7	N-Thiocarbonyl Iminosugars: Synthesis and Evaluation of Castanospermine Analogues Bearing Oxazole-2(3H)-thione Moieties. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 7941-7951	3.2	7
6	Amplified Detection of Breast Cancer Autoantibodies Using MUC1-Based Tn Antigen Mimics. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 8524-8533	8.3	6
5	Lead tetraacetate mediated domino reactions on (R)-(β -carvone-derived bicyclic unsaturated 1,2-diols and further rearrangements. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 2277-2290		5
4	Stereoselective Synthesis of Iminosugar 2-Deoxy(thio)glycosides from Bicyclic Iminoglycal Carbamates Promoted by Cerium(IV) Ammonium Nitrate and Cooperative Brønsted Acid-Type Organocatalysis. <i>Journal of Organic Chemistry</i> , 2020 , 85, 5038-5047	4.2	4
3	Thiol-ene "Click" Synthesis and Pharmacological Evaluation of α -Glycoside sp-Iminosugar Glycolipids. <i>Molecules</i> , 2019 , 24,	4.8	3
2	Anti-Inflammatory (M2) Response Is Induced by a sp-Iminosugar Glycolipid Sulfoxide in Diabetic Retinopathy. <i>Frontiers in Immunology</i> , 2021 , 12, 632132	8.4	3
1	sp ² -Iminosugars as chemical mimics for glycodrug design 2020 , 197-224		0