

Elena M SÃ¡nchez FernÃ¡ndez

List of Publications by Year in descending order

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48
papers

1,540
citations

279701

23
h-index

315616

38
g-index

52
all docs

52
docs citations

52
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanocene-Mediated Radical Cyclization: An Emergent Method Towards the Synthesis of Natural Products. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1627-1641.	1.2	131
2	Glycomimetic-based pharmacological chaperones for lysosomal storage disorders: lessons from Gaucher, GM1-gangliosidosis and Fabry diseases. <i>Chemical Communications</i> , 2016, 52, 5497-5515.	2.2	122
3	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.	1.5	97
4	Modulation of microglia polarization dynamics during diabetic retinopathy in db / db mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1663-1674.	1.8	80
5	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.	1.8	72
6	Synthesis of N-, S-, and C-glycoside castanospermine analogues with selective neutral β -glucosidase inhibitory activity as antitumour agents. <i>Chemical Communications</i> , 2010, 46, 5328.	2.2	71
7	Couplings of Benzylic Halides Mediated by Titanocene Chloride: Synthesis of Bibenzyl Derivatives. <i>Journal of Organic Chemistry</i> , 2007, 72, 2251-2254.	1.7	69
8	Reductive Coupling of Terpenic Allylic Halides Catalyzed by Cp ₂ TiCl ₂ : A Short and Efficient Asymmetric Synthesis of Onocerane Triterpenes. <i>Organic Letters</i> , 2005, 7, 2301-2304.	2.4	55
9	Investigations on the oxygen dependence of a 2-oxoglutarate histone demethylase. <i>Biochemical Journal</i> , 2013, 449, 491-496.	1.7	53
10	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, 8527-8539.	1.7	51
11	Mild TiIII- and Mn/ZrIV-Catalytic Reductive Coupling of Allylic Halides: Efficient Synthesis of Symmetric Terpenes. <i>Journal of Organic Chemistry</i> , 2007, 72, 2988-2995.	1.7	49
12	Efficient Transfection of Hepatocytes Mediated by mRNA Complexed to Galactosylated Cyclodextrins. <i>Bioconjugate Chemistry</i> , 2012, 23, 1276-1289.	1.8	39
13	New Castanospermine Glycoside Analogues Inhibit Breast Cancer Cell Proliferation and Induce Apoptosis without Affecting Normal Cells. <i>PLoS ONE</i> , 2013, 8, e76411.	1.1	39
14	Influence of the configurational pattern of sp ² -imosugar pseudo N-, S-, O- and C-glycosides on their glycoside inhibitory and antitumor properties. <i>Carbohydrate Research</i> , 2016, 429, 113-122.	1.1	38
15	sp ² -Iminosugar β -glucosidase inhibitor 1-C-octyl-2-Oxocastanospermine specifically affected breast cancer cell migration through Stim1, β 1-integrin, and FAK signaling pathways. <i>Journal of Cellular Physiology</i> , 2017, 232, 3631-3640.	2.0	38
16	Solid-Phase Selenium-Catalyzed Selective Allylic Chlorination of Polyprenoids: Facile Syntheses of Biologically Active Terpenoids. <i>Journal of Organic Chemistry</i> , 2006, 71, 5811-5814.	1.7	36
17	Generalized Anomeric Effect in gem-Diamines: Stereoselective Synthesis of β -N-Linked Disaccharide Mimics. <i>Organic Letters</i> , 2009, 11, 3306-3309.	2.4	34
18	Fluorinated Chaperone β -2-Cyclodextrin Formulations for β -2-Glucocerebrosidase Activity Enhancement in Neuronopathic Gaucher Disease. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1829-1842.	2.9	34

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19	Tn Antigen Mimics Based on α -2-Iminosugars with Affinity for an anti-MUC1 Antibody. <i>Organic Letters</i> , 2016, 18, 3890-3893.	2.4	32
20	Tuning of glyconanomaterial shape and size for selective bacterial cell agglutination. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2028-2037.	2.9	31
21	Antileishmanial activity of α -2-iminosugar derivatives. <i>RSC Advances</i> , 2015, 5, 21812-21822.	1.7	27
22	Regio- and Diastereoselective Reductive Coupling of Vinyl epoxides Catalyzed by Titanocene Chloride. <i>Organic Letters</i> , 2006, 8, 669-672.	2.4	26
23	Synthesis of five- to seven-membered polyfunctional terpenic carbocycles via Ti(III)-catalyzed radical cyclizations of epoxy polyenes. <i>Tetrahedron</i> , 2006, 62, 5215-5222.	1.0	25
24	Synthesis, conformational analysis and <i>in vivo</i> assays of an anti-cancer vaccine that features an unnatural antigen based on an α -2-iminosugar fragment. <i>Chemical Science</i> , 2020, 11, 3996-4006.	3.7	24
25	Synthesis of Multibranched Australine Derivatives from Reducing Castanospermine Analogues through the Amadori Rearrangement of α -Diamine Intermediates: Selective Inhibitors of β -Glucosidase. <i>Journal of Organic Chemistry</i> , 2014, 79, 11722-11728.	1.7	20
26	The α -2-iminosugar glycolipid 1-dodecylsulfonyl-5 N,6 O-oxomethylidenenogirimycin (DSO 2-ONJ) as selective anti-inflammatory agent by modulation of hemoxygenase-1 in Bv.2 microglial cells and retinal explants. <i>Food and Chemical Toxicology</i> , 2018, 111, 454-466.	1.8	19
27	Asymmetric synthesis of α -mercapto- β -amino acid derivatives: application to the synthesis of polysubstituted thiomorpholines. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1135-1145.	1.8	18
28	Synthesis of polyfluoroalkyl α -2-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.	2.6	18
29	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.	1.3	16
30	Tandem addition-cyclization mediated by sulfanyl radicals: a versatile strategy for iridoids synthesis. <i>Tetrahedron</i> , 2008, 64, 5111-5118.	1.0	15
31	α -2-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.	2.6	15
32	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.	1.2	14
33	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.	2.9	14
34	Amplified Detection of Breast Cancer Autoantibodies Using MUC1-Based Tn Antigen Mimics. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8524-8533.	2.9	14
35	Conformationally-locked C-glycosides: tuning aglycone interactions for optimal chaperone behaviour in Gaucher fibroblasts. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1473-1484.	1.5	13
36	Anti-Inflammatory (M2) Response Is Induced by a α -2-Iminosugar Glycolipid Sulfoxide in Diabetic Retinopathy. <i>Frontiers in Immunology</i> , 2021, 12, 632132.	2.2	13

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37	Sulfanyl Radical-Induced Cyclization of Linalyl Acetate to the Iridane Skeleton: A Short Synthesis of (±)-Dehydroiridomyrmecin. <i>Synlett</i> , 2005, 2005, 591-594.	1.0	12
38	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, 7080-7086.	1.7	12
39	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.	1.2	12
40	Thiocarbonyl Iminosugars: Synthesis and Evaluation of Castanospermine Analogues Bearing Oxazole(3-H)-thione Moieties. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7941-7951.	1.2	11
41	Thiol-ene "Click" Synthesis and Pharmacological Evaluation of C-Glycoside sp ² -Iminosugar Glycolipids. <i>Molecules</i> , 2019, 24, 2882.	1.7	9
42	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.	1.7	9
43	Lead tetraacetate mediated domino reactions on (R)-(α')-carvone-derived bicyclic unsaturated 1,2-diols and further rearrangements. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2277-2290.	1.8	6
44	Synthesis of sp ² -Iminosugar Selenoglycolipids as Multitarget Drug Candidates with Antiproliferative, Leishmanicidal and Anti-Inflammatory Properties. <i>Molecules</i> , 2021, 26, 7501.	1.7	4
45	sp ² -Iminosugars as chemical mimics for glycodrug design. , 2020, , 197-224.		1
46	Nuevas estrategias en el proceso de enseñanza-aprendizaje de la asignatura experimentación química ii del grado en ingeniería química industrial.. <i>Jornadas De Formación E Innovación Docente Del Profesorado</i> , 2018, , 766-783.	0.0	1
47	Mild Protocols for Generating Molecular Complexity: A Comparative Study of Hetero-Domino Reactions Based on the Oxidant and the Substitution Pattern.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
48	Mild Protocols for Generating Molecular Complexity: A Comparative Study of Hetero-Domino Reactions Based on the Oxidant and the Substitution Pattern.. <i>ChemInform</i> , 2005, 36, no.	0.1	0