Fernando Iglesias-Guerra

List of Publications by Year
in descending order

44	1,199	430874 18	377865 34
papers	citations	h-index	g-index

47	47	47	1333
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The ectD Gene, Which Is Involved in the Synthesis of the Compatible Solute Hydroxyectoine, Is Essential for Thermoprotection of the Halophilic Bacterium Chromohalobacter salexigens. Journal of Bacteriology, 2006, 188, 3774-3784.	2.2	133
2	Complex regulation of the synthesis of the compatible solute ectoine in the halophilic bacterium Chromohalobacter salexigens DSM 3043T. Microbiology (United Kingdom), 2004, 150, 3051-3063.	1.8	112
3	Role of trehalose in heat and desiccation tolerance in the soil bacterium Rhizobium etli. BMC Microbiology, 2012, 12, 207.	3.3	107
4	Isolation and Characterization of Salt-sensitive Mutants of the Moderate Halophile Halomonas elongata and Cloning of the Ectoine Synthesis Genes. Journal of Biological Chemistry, 1997, 272, 25794-25801.	3.4	96
5	Role of Trehalose in Salinity and Temperature Tolerance in the Model Halophilic Bacterium Chromohalobacter salexigens. PLoS ONE, 2012, 7, e33587.	2.5	59
6	Isoprenyl-thiourea and urea derivatives as new farnesyl diphosphate analogues: Synthesis and inÂvitro antimicrobial and cytotoxic activities. European Journal of Medicinal Chemistry, 2012, 58, 591-612.	5.5	53
7	Interplay between Iron Homeostasis and the Osmotic Stress Response in the Halophilic Bacterium Chromohalobacter salexigens. Applied and Environmental Microbiology, 2010, 76, 3575-3589.	3.1	49
8	Biosynthesis of compatible solutes in rhizobial strains isolated from Phaseolus vulgaris nodules in Tunisian fields. BMC Microbiology, 2010, 10, 192.	3.3	44
9	GPR120/FFAR4 Pharmacology: Focus on Agonists in Type 2 Diabetes Mellitus Drug Discovery. Journal of Medicinal Chemistry, 2021, 64, 4312-4332.	6.4	33
10	Alkylating agents from sugars. Cyclophosphamides derived from 2-amino-2-deoxy-d-allose. Carbohydrate Research, 1998, 308, 57-62.	2.3	31
11	Temperature- and Salinity-Decoupled Overproduction of Hydroxyectoine by Chromohalobacter salexigens. Applied and Environmental Microbiology, 2013, 79, 1018-1023.	3.1	29
12	Alkylating agents from sugars. Alkyl hexopyranoside derivatives as carrier systems for chlorambucil. Carbohydrate Research, 1999, 316, 71-84.	2.3	28
13	Contribution of chemical changes in membrane lipids to the osmoadaptation of the halophilic bacterium Chromohalobacter salexigens. Systematic and Applied Microbiology, 2005, 28, 571-581.	2.8	28
14	Involvement of EupR, a response regulator of the NarL/FixJ family, in the control of the uptake of the compatible solutes ectoines by the halophilic bacterium Chromohalobacter salexigens. BMC Microbiology, 2010, 10, 256.	3.3	26
15	New 4-Acyl-1-phenylaminocarbonyl-2-phenylpiperazine Derivatives as Potential Inhibitors of Adenovirus Infection. Synthesis, Biological Evaluation, and Structureâ€“activity Relationships. Journal of Medicinal Chemistry, 2016, 59, 5432-5448.	6.4	26
16	Stereoselective synthesis of oxiranes using oxazolidines derived from 2-amino-2-deoxy-d-allose as chiral auxiliaries. Tetrahedron: Asymmetry, 2001, 12, 3189-3203.	1.8	22
17	Alkylating agents from sugars. Stereoselective synthesis of 2,3-diaminoglucoses from 2-nitroalkenes, as intermediates in the synthesis of carriers of chlorambucil. Tetrahedron, 1999, 55, 9641-9650.	1.9	21
18	Glycosyl Glycerol Derivatives as Drug Carrier System. Stereoselective Synthesis of EpoxyalkylN-Acyl-Î²-D-glucopyranosides and Their Reactivity with Nucleophiles. European Journal of Organic Chemistry, 2000, 2000, 3949-3956.	2.4	20

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19	Stereoselective synthesis of epoxyalkyl glycoside precursors of glycosyl glycerol analogues from alkenyl glycosides of N-acetyl-d-glucosamine derivatives. Tetrahedron: Asymmetry, 2002, 13, 2471-2483.	1.8	20
20	Osmoprotection of Salmonella enterica serovar Typhimurium by NÎ³-acetyldiaminobutyrate, the precursor of the compatible solute ectoine. Systematic and Applied Microbiology, 2006, 29, 626-633.	2.8	18
21	Alkylating agents from sugars: Synthesis of chlorambucil derivatives carried by chiral glycosyl glycerols derived fromD-Glucosamine. Chirality, 2002, 14, 199-203.	2.6	17
22	A Facile Synthesis of Saturated 2-Nitrosugar Derivatives. Journal of Organic Chemistry, 1997, 62, 6608-6611.	3.2	16
23	New mannose-derived ketones as organocatalysts for enantioselective dioxirane-mediated epoxidation of arylalkenes. Part 3: Chiral ketones from sugars. Tetrahedron, 2011, 67, 7057-7065.	1.9	16
24	Stereoselective epoxidation of alkenylidene acetals derived from carbohydrates with d-allo, d-altro, d-galacto, d-gluco and d-xylo configurations. Tetrahedron: Asymmetry, 2007, 18, 1850-1867.	1.8	15
25	Stereoselective cyclopropanation of unsaturated acetals, using carbohydrates with d-gluco, l-rhamno and d-xylo configurations as chiral auxiliaries. Tetrahedron: Asymmetry, 2008, 19, 1720-1729.	1.8	15
26	The use of 1,2-O-isopropylidene-Î±-d-xylofuranose as a chiral auxiliary in asymmetric cyclopropanation reactions. Tetrahedron: Asymmetry, 2009, 20, 1065-1072.	1.8	15
27	Aziridines from alkenyl-Î²-D-galactopyranoside derivatives: Stereoselective synthesis and inÂvitro selective anticancer activity. European Journal of Medicinal Chemistry, 2013, 70, 380-392.	5.5	15
28	Optimization of piperazine-derived ureas privileged structures for effective antiadenovirus agents. European Journal of Medicinal Chemistry, 2020, 185, 111840.	5.5	15
29	Synthesis of new carbohydrate-derived ketones as organocatalysts in the enantioselective epoxidation of arylalkenes. Part 2: Chiral ketones from sugars. Tetrahedron, 2011, 67, 364-372.	1.9	14
30	Stereoselective synthesis of oxiranes as a source of isoserine analogues using d-glucosamine and d-glucose derivatives as chiral templates. Tetrahedron: Asymmetry, 2004, 15, 3617-3633.	1.8	13
31	Alkenyl Î²-d-galactopyranoside derivatives as efficient chiral templates in stereoselective cyclopropanation and epoxidation reactions. Tetrahedron: Asymmetry, 2010, 21, 81-95.	1.8	13
32	THDP17 Decreases Ammonia Production through Glutaminase Inhibition. A New Drug for Hepatic Encephalopathy Therapy. PLoS ONE, 2014, 9, e109787.	2.5	13
33	A general method for synthesis of alkyl 2-N-substituted and 2-N,N-disubstituted d-altrosamines. Carbohydrate Research, 1995, 279, C5-C8.	2.3	12
34	Stereoselective synthesis of oxazolidines from 2-amino-2-deoxy-d-allose derivatives and their reactivity with nucleophiles. Tetrahedron: Asymmetry, 2001, 12, 135-147.	1.8	12
35	Exploration of piperazine-derived thioureas as antibacterial and anti-inflammatory agents. In vitro evaluation against clinical isolates of colistin-resistant Acinetobacter baumannii. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127411.	2.2	10
36	The extremely halophilic bacterium Salicola marasensis IC10 accumulates the compatible solute betaine. Systematic and Applied Microbiology, 2010, 33, 308-310.	2.8	9

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37	Serinol-Based Benzoic Acid Esters as New Scaffolds for the Development of Adenovirus Infection Inhibitors: Design, Synthesis, and In Vitro Biological Evaluation. ACS Infectious Diseases, 2021, 7, 1433-1444.	3.8	7
38	Stereoselective Dihydroxylation Reaction of Alkenyl Î²â€<scp>D</scp>â€Hexopyranosides: A Methodology for the Synthesis of Glycosylglycerol Derivatives and 1â€Oâ€Acylâ€3â€Oâ€Î²â€<scp>D</scp>â€glycosylâ€snâ€glycerol Analogues. European Journal of Organic Chemistry, 2012, 2012, 1237-1252.	2.4	5
39	Design, synthesis and in vitro biological evaluation of a novel class of anti-adenovirus agents based on 3-amino-1,2-propanediol. Bioorganic Chemistry, 2021, 114, 105095.	4.1	5
40	Synthesis of New Chiral Ketones from <scp>D</scp>â€Glucose Derivatives and Their Use in the Enantioselective Epoxidation of Arylalkenes. European Journal of Organic Chemistry, 2009, 2009, 6018-6009.	2.4	3
41	Synthesis of 2â€Amino glycal Derivatives and their Conversion into Highly Functionalised Î²â€Enamino Ketones. European Journal of Organic Chemistry, 2010, 2010, 4253-4265.	2.4	2
42	Selective cytotoxic activity and DNA damage by an epoxyalkyl galactopyranoside. Drug Development Research, 2018, 79, 426-436.	2.9	1
43	In Vitro Anticancer Activity and Mechanism of Action of an Aziridinyl Galactopyranoside. Biomedicines, 2022, 10, 41.	3.2	1
44	Mass Spectra ofN-Alkyl andN,N-Dialkylaminosugar Derivatives. ChemicalEvidence for the Different Pathways ofFragmentation. Journal of Mass Spectrometry, 1996, 31, 493-499.	1.6	0