

Fernando Iglesias-Guerra

List of Publications by Year in descending order

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44
papers

1,199
citations

430874

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377865

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47
all docs

47
docs citations

47
times ranked

1333
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vitro Anticancer Activity and Mechanism of Action of an Aziridiny Galactopyranoside. <i>Biomedicines</i> , 2022, 10, 41.	3.2	1
2	Serinol-Based Benzoic Acid Esters as New Scaffolds for the Development of Adenovirus Infection Inhibitors: Design, Synthesis, and <i>In Vitro</i> Biological Evaluation. <i>ACS Infectious Diseases</i> , 2021, 7, 1433-1444.	3.8	7
3	GPR120/FFAR4 Pharmacology: Focus on Agonists in Type 2 Diabetes Mellitus Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4312-4332.	6.4	33
4	Design, synthesis and in vitro biological evaluation of a novel class of anti-adenovirus agents based on 3-amino-1,2-propanediol. <i>Bioorganic Chemistry</i> , 2021, 114, 105095.	4.1	5
5	Optimization of piperazine-derived ureas privileged structures for effective antiadenovirus agents. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111840.	5.5	15
6	Exploration of piperazine-derived thioureas as antibacterial and anti-inflammatory agents. In vitro evaluation against clinical isolates of colistin-resistant <i>Acinetobacter baumannii</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127411.	2.2	10
7	Selective cytotoxic activity and DNA damage by an epoxyalkyl galactopyranoside. <i>Drug Development Research</i> , 2018, 79, 426-436.	2.9	1
8	New 4-Acyl-1-phenylaminocarbonyl-2-phenylpiperazine Derivatives as Potential Inhibitors of Adenovirus Infection. Synthesis, Biological Evaluation, and Structure-activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5432-5448.	6.4	26
9	THDP17 Decreases Ammonia Production through Glutaminase Inhibition. A New Drug for Hepatic Encephalopathy Therapy. <i>PLoS ONE</i> , 2014, 9, e109787.	2.5	13
10	Aziridines from alkenyl- β -D-galactopyranoside derivatives: Stereoselective synthesis and <i>In Vitro</i> selective anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 380-392.	5.5	15
11	Temperature- and Salinity-Decoupled Overproduction of Hydroxyectoine by <i>Chromohalobacter salexigens</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 1018-1023.	3.1	29
12	Role of trehalose in heat and desiccation tolerance in the soil bacterium <i>Rhizobium etli</i> . <i>BMC Microbiology</i> , 2012, 12, 207.	3.3	107
13	Role of Trehalose in Salinity and Temperature Tolerance in the Model Halophilic Bacterium <i>Chromohalobacter salexigens</i> . <i>PLoS ONE</i> , 2012, 7, e33587.	2.5	59
14	Isoprenyl-thiourea and urea derivatives as new farnesyl diphosphate analogues: Synthesis and <i>In Vitro</i> antimicrobial and cytotoxic activities. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 591-612.	5.5	53
15	Stereoselective Dihydroxylation Reaction of Alkenyl β -D-Hexopyranosides: A Methodology for the Synthesis of Glycosylglycerol Derivatives and 1-Acyl- β -D-Glycosylglycerol Analogues. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1237-1252.	2.4	5
16	New mannose-derived ketones as organocatalysts for enantioselective dioxirane-mediated epoxidation of arylalkenes. Part 3: Chiral ketones from sugars. <i>Tetrahedron</i> , 2011, 67, 7057-7065.	1.9	16
17	Synthesis of new carbohydrate-derived ketones as organocatalysts in the enantioselective epoxidation of arylalkenes. Part 2: Chiral ketones from sugars. <i>Tetrahedron</i> , 2011, 67, 364-372.	1.9	14
18	Alkenyl β -D-galactopyranoside derivatives as efficient chiral templates in stereoselective cyclopropanation and epoxidation reactions. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 81-95.	1.8	13

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19	The extremely halophilic bacterium <i>Salicola marasensis</i> IC10 accumulates the compatible solute betaine. <i>Systematic and Applied Microbiology</i> , 2010, 33, 308-310.	2.8	9
20	Biosynthesis of compatible solutes in rhizobial strains isolated from <i>Phaseolus vulgaris</i> nodules in Tunisian fields. <i>BMC Microbiology</i> , 2010, 10, 192.	3.3	44
21	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 <i>Chromohalobacter salexigens</i> . <i>BMC Microbiology</i> , 2010, 10, 256.	3.3	26
22	Synthesis of 2- <i>amino glycol Derivatives</i> and their Conversion into Highly Functionalised 2- <i>Enamino Ketones</i> . <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4253-4265.	2.4	2
23	Interplay between Iron Homeostasis and the Osmotic Stress Response in the Halophilic Bacterium <i>Chromohalobacter salexigens</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 3575-3589.	3.1	49
24	Synthesis of New Chiral Ketones from <i>D-Glucose Derivatives</i> and Their Use in the Enantioselective Epoxidation of Arylalkenes. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 6018-6009.	2.4	3
25	The use of 1,2-O-isopropylidene- <i>D</i> -xylofuranose as a chiral auxiliary in asymmetric cyclopropanation reactions. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1065-1072.	1.8	15
26	Stereoselective cyclopropanation of unsaturated acetals, using carbohydrates with <i>D</i> -gluco, <i>L</i> -rhamno and <i>D</i> -xylo configurations as chiral auxiliaries. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1720-1729.	1.8	15
27	Stereoselective epoxidation of alkenylidene acetals derived from carbohydrates with <i>D</i> -allo, <i>D</i> -altro, <i>D</i> -galacto, <i>D</i> -gluco and <i>D</i> -xylo configurations. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1850-1867.	1.8	15
28	Osmoprotection of <i>Salmonella enterica</i> serovar Typhimurium by <i>N</i> ³ -acetyldiaminobutyrate, the precursor of the compatible solute ectoine. <i>Systematic and Applied Microbiology</i> , 2006, 29, 626-633.	2.8	18
29	The <i>ectD</i> Gene, Which Is Involved in the Synthesis of the Compatible Solute Hydroxyectoine, Is Essential for Thermoprotection of the Halophilic Bacterium <i>Chromohalobacter salexigens</i> . <i>Journal of Bacteriology</i> , 2006, 188, 3774-3784.	2.2	133
30	Contribution of chemical changes in membrane lipids to the osmoadaptation of the halophilic bacterium <i>Chromohalobacter salexigens</i> . <i>Systematic and Applied Microbiology</i> , 2005, 28, 571-581.	2.8	28
31	Complex regulation of the synthesis of the compatible solute ectoine in the halophilic bacterium <i>Chromohalobacter salexigens</i> DSM 3043T. <i>Microbiology (United Kingdom)</i> , 2004, 150, 3051-3063.	1.8	112
32	Stereoselective synthesis of oxiranes as a source of isoserine analogues using <i>D</i> -glucosamine and <i>D</i> -glucose derivatives as chiral templates. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3617-3633.	1.8	13
33	Alkylating agents from sugars: Synthesis of chlorambucil derivatives carried by chiral glycosyl glycerols derived from <i>D</i> -Glucosamine. <i>Chirality</i> , 2002, 14, 199-203.	2.6	17
34	Stereoselective synthesis of epoxyalkyl glycoside precursors of glycosyl glycerol analogues from alkenyl glycosides of <i>N</i> -acetyl- <i>D</i> -glucosamine derivatives. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2471-2483.	1.8	20
35	Stereoselective synthesis of oxiranes using oxazolidines derived from 2-amino-2-deoxy- <i>D</i> -allose as chiral auxiliaries. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 3189-3203.	1.8	22
36	Stereoselective synthesis of oxazolidines from 2-amino-2-deoxy- <i>D</i> -allose derivatives and their reactivity with nucleophiles. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 135-147.	1.8	12

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37	Glycosyl Glycerol Derivatives as Drug Carrier System. Stereoselective Synthesis of EpoxyalkylN-Acyl-β-D-glucopyranosides and Their Reactivity with Nucleophiles. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3949-3956.	2.4	20
38	Alkylating agents from sugars. Stereoselective synthesis of 2,3-diaminoglucoses from 2-nitroalkenes, as intermediates in the synthesis of carriers of chlorambucil. <i>Tetrahedron</i> , 1999, 55, 9641-9650.	1.9	21
39	Alkylating agents from sugars. Alkyl hexopyranoside derivatives as carrier systems for chlorambucil. <i>Carbohydrate Research</i> , 1999, 316, 71-84.	2.3	28
40	Alkylating agents from sugars. Cyclophosphamides derived from 2-amino-2-deoxy-d-allose. <i>Carbohydrate Research</i> , 1998, 308, 57-62.	2.3	31
41	Isolation and Characterization of Salt-sensitive Mutants of the Moderate Halophile <i>Halomonas elongata</i> and Cloning of the Ectoine Synthesis Genes. <i>Journal of Biological Chemistry</i> , 1997, 272, 25794-25801.	3.4	96
42	A Facile Synthesis of Saturated 2-Nitrosugar Derivatives. <i>Journal of Organic Chemistry</i> , 1997, 62, 6608-6611.	3.2	16
43	Mass Spectra of N-Alkyl and N,N-Dialkylaminosugar Derivatives. Chemical Evidence for the Different Pathways of Fragmentation. <i>Journal of Mass Spectrometry</i> , 1996, 31, 493-499.	1.6	0
44	A general method for synthesis of alkyl 2-N-substituted and 2-N,N-disubstituted d-altrosamines. <i>Carbohydrate Research</i> , 1995, 279, C5-C8.	2.3	12