JosÃ©-Luis Giner

List of Publications by Year
in descending order

49 papers	966 citations	394421 19 h-index	501196 28 g-index
53 all docs	53 docs citations	53 times ranked	1198 citing authors

#	Article	IF	Citations
1	Nanomolar, Noncovalent Antagonism of Hedgehog Cholesterolysis: Exception to the â€œIrreversibility Ruleâ€•for Protein Autoprocessing Inhibition. Biochemistry, 2022, 61, 1022-1028.	2.5	5
2	Subverting Hedgehog Protein Autoprocessing by Chemical Induction of Paracatalysis. Biochemistry, 2020, 59, 736-741.	2.5	12
3	Proteinâ€“Nucleic Acid Conjugation with Sterol Linkers Using Hedgehog Autoprocessing. Bioconjugate Chemistry, 2019, 30, 2799-2804.	3.6	13
4	General Base Swap Preserves Activity and Expands Substrate Tolerance in Hedgehog Autoprocessing. Journal of the American Chemical Society, 2019, 141, 18380-18384.	13.7	6
5	Sterol A-ring plasticity in hedgehog protein cholesterolysis supports a primitive substrate selectivity mechanism. Chemical Communications, 2019, 55, 1829-1832.	4.1	10
6	Batatasenol, a Major Triterpenol from Sweet Potato Skins. Chemistry and Biodiversity, 2019, 16, e1800439.	2.1	2
7	Chemical Bypass of General Base Catalysis in Hedgehog Protein Cholesterolysis Using a Hyper-Nucleophilic Substrate. Journal of the American Chemical Society, 2018, 140, 916-918.	13.7	13
8	Stereochemical investigations of the Tetrahymena cyclase, a model system for euphane/tirucallane biosynthesis. Organic and Biomolecular Chemistry, 2017, 15, 2823-2830.	2.8	9
9	Synthesis of arborane triterpenols by a bacterial oxidosqualene cyclase. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 245-250.	7.1	45
10	NMR Tube Degradation Method for Sugar Analysis of Glycosides. Journal of Natural Products, 2016, 79, 2413-2417.	3.0	26
11	<i>Petunia hybrida</i> PDR2 is involved in herbivore defense by controlling steroidal contents in trichomes. Plant, Cell and Environment, 2016, 39, 2725-2739.	5.7	34
12	Sterols and Fatty Acids of the Harmful Dinoflagellate <i>Cochlodinium polykrikoides</i>. Chemistry and Biodiversity, 2016, 13, 249-252.	2.1	9
13	Bioconversion of 13C-labeled microalgal phytosterols to cholesterol by the Northern Bay scallop, Argopecten irradians irradians. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 192, 1-8.	1.6	9
14	Polygonifoliol, a New Tirucallane Triterpene from the Latex of the Seaside Sandmat <i>Euphorbia polygonifolia</i>. Chemistry and Biodiversity, 2015, 12, 1126-1129.	2.1	7
15	Sterols of <i>Saccharomyces cerevisiae erg6</i> Knockout Mutant Expressing the <i>Pneumocystis carinii S</i>â€Adenosylmethionine:Sterol Câ€24 Methyltransferase. Journal of Eukaryotic Microbiology, 2015, 62, 298-306.	1.7	7
16	Identification of 24-n-propylidenecholesterol in a member of the Foraminifera. Organic Geochemistry, 2013, 63, 145-151.	1.8	21
17	Alternative Synthesis of the Colorado Potato Beetle Pheromone. Journal of Organic Chemistry, 2013, 78, 10548-10554.	3.2	11
18	Triple Shifts and Thioether Assistance in Rearrangements Associated with an Unusual Biomethylation of the Sterol Side Chain. Journal of Organic Chemistry, 2013, 78, 935-941.	3.2	12

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19	Synthesis and immunological evaluation of the 4-Î²-glucoside of HMBPP. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 811-813.	2.2	1
20	Enzymatic Resolution of 1-Phenylethanol and Formation of a Diastereomer: An Undergraduate ¹H NMR Experiment To Introduce Chiral Chemistry. Journal of Chemical Education, 2011, 88, 334-336.	2.3	10
21	<i>Pneumocystis carinii</i> Sterol 14Î±â€Demethylase Activity in <i>Saccharomyces cerevisiae erg11</i> Knockout Mutant: Sterol Biochemistry. Journal of Eukaryotic Microbiology, 2011, 58, 383-392.	1.7	2
22	â€œDinoflagellate Sterolsâ€•in marine diatoms. Phytochemistry, 2011, 72, 1896-1901.	2.9	19
23	Sterol Chemotaxonomy of Marine Pelagophyte Algae. Chemistry and Biodiversity, 2009, 6, 1111-1130.	2.1	33
24	Sterols and fatty acids of three harmful algae previously assigned as Chattonella. Phytochemistry, 2008, 69, 2167-2171.	2.9	35
25	Preferential recognition of a microbial metabolite by human VÂ2VÂ2 T cells. International Immunology, 2007, 19, 657-673.	4.0	91
26	Unambiguous NMR spectral assignments of salvinorin A. Magnetic Resonance in Chemistry, 2007, 45, 351-354.	1.9	14
27	Biosynthesis of salvinorin A proceeds via the deoxyxylulose phosphate pathway. Phytochemistry, 2007, 68, 1872-1881.	2.9	44
28	Synthesis of fluorescent derivatives of wortmannin and demethoxyviridin as probes for phosphatidylinositol 3-kinase. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2518-2521.	2.2	12
29	DMOBO:â€‰ An Improvement on the OBO Orthoester Protecting Group. Organic Letters, 2005, 7, 499-501.	4.6	11
30	Tetrahydropyran Formation by Rearrangement of an Epoxy Ester:Â A Model for the Biosynthesis of Marine Polyether Toxins. Journal of Organic Chemistry, 2005, 70, 721-724.	3.2	19
31	Sterol Composition of Pneumocystis jirovecii with Blocked 14alpha-Demethylase Activity. Journal of Eukaryotic Microbiology, 2004, 51, 634-643.	1.7	6
32	Detailed sterol compositions of two pathogenic rust fungi. Lipids, 2004, 39, 763-767.	1.7	5
33	Facile Orthoester Formation in a Model Compound of the Taxol Oxetane: Are Biologically Active Epoxy Esters, Orthoesters, and Oxetanyl Esters Latent Electrophiles?. Helvetica Chimica Acta, 2003, 86, 3613-3622.	1.6	15
34	NOVEL STEROLS OF THE TOXIC DINOFLAGELLATE <i>KARENIA BREVIS</i> (DINOPHYCEAE): A DEFENSIVE FUNCTION FOR UNUSUAL MARINE STEROLS?¹. Journal of Phycology, 2003, 39, 315-319.	2.3	48
35	Mechanistic Studies of the Biomimetic Epoxy Esterâˆ’Orthoester and Orthoesterâˆ’Cyclic Ether Rearrangementsâ€. Journal of Organic Chemistry, 2003, 68, 10079-10086.	3.2	24
36	Synthesis of 2-C-Methyl-d-Erythritol 2,4-Cyclopyrophosphate. Organic Letters, 2002, 4, 1225-1226.	4.6	16

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37	Biomimetic Synthesis of Petuniasterone D via the Epoxy Esterâ^'Ortho Ester Rearrangement. Journal of Organic Chemistry, 2002, 67, 4659-4666.	3.2	20
38	Synthesis of 2-Methyl-d-erythritol via Epoxy Esterâ^'Orthoester Rearrangement. Journal of Organic Chemistry, 2002, 67, 4856-4859.	3.2	27
39	A Biomimetic Approach to the Synthesis of an Antiviral Marine Steroidal Orthoester. Journal of Organic Chemistry, 2002, 67, 2717-2720.	3.2	17
40	Comprehensive and definitive structural identities of Pneumocystis carinii sterols. Journal of Lipid Research, 2002, 43, 1114-1124.	4.2	23
41	Enantiomerically enriched [2-2H]-isopentenyl alcohol from (E)-2-methylbut-2-ene-1,4-diol by an asymmetric retro-ene reaction. Chemical Communications, 2002, , 1388-1389.	4.1	4
42	The Pneumocystis carinii drug target S-adenosyl-L-methionine:sterol C-24 methyl transferase has a unique substrate preference. Molecular Microbiology, 2002, 44, 989-999.	2.5	34
43	A convenient synthesis of (E)-4-hydroxy-3-methyl-2-butenyl pyrophosphate and its [4-13C]-labeled form. Tetrahedron Letters, 2002, 43, 5457-5459.	1.4	16
44	Sterol composition of Aureoumbra lagunensis, the Texas brown tide alga. Phytochemistry, 2001, 57, 787-789.	2.9	28
45	Stereospecific Synthesis of 24-Propylcholesterol Isolated from the Texas Brown Tide. Tetrahedron, 2000, 56, 9575-9580.	1.9	23
46	Nonpolar Components of the Latex ofEuphorbiapeplus. Journal of Natural Products, 2000, 63, 267-269.	3.0	37
47	Sterols of the marine sponge Petrosia weinbergi: implications for the absolute configurations of the antiviral orthoesterols and weinbersterols. Steroids, 1999, 64, 820-824.	1.8	18
48	New and efficient synthetic routes to 1-deoxy-D-xylulose. Tetrahedron Letters, 1998, 39, 2479-2482.	1.4	33
49	Sterols of the brown tide alga Aureococcus anophagefferens. Phytochemistry, 1998, 48, 475-477.	2.9	29