

# JosÃ© LuÃ­-s Abad

## List of Publications by Year in descending order

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80  
papers

2,098  
citations

279487

23  
h-index

253896

43  
g-index

84  
all docs

84  
docs citations

84  
times ranked

3637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibitors of sphingolipid metabolism enzymes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 1957-1977.	1.4	156
2	Control of metabolism and signaling of simple bioactive sphingolipids: Implications in disease. <i>Progress in Lipid Research</i> , 2010, 49, 316-334.	5.3	124
3	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. <i>Autophagy</i> , 2016, 12, 2213-2229.	4.3	118
4	SCOTfluors: Small, Conjugatable, Orthogonal, and Tunable Fluorophores for In Vivo Imaging of Cell Metabolism. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6911-6915.	7.2	100
5	Detection of DNA Adducts Derived from the Reactive Metabolite of Furan, cis-2-Butene-1,4-dial. <i>Chemical Research in Toxicology</i> , 2006, 19, 414-420.	1.7	87
6	Dihydrosphingomyelin Impairs HIV-1 Infection by Rigidifying Liquid-Ordered Membrane Domains. <i>Chemistry and Biology</i> , 2010, 17, 766-775.	6.2	76
7	Investigating the formation and toxicity of nitrogen transformation products of diclofenac and sulfamethoxazole in wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2016, 309, 157-164.	6.5	72
8	The anti-cancer drug ABTL0812 induces ER stress-mediated cytotoxic autophagy by increasing dihydroceramide levels in cancer cells. <i>Autophagy</i> , 2021, 17, 1349-1366.	4.3	72
9	C6-Ceramide and targeted inhibition of acid ceramidase induce synergistic decreases in breast cancer cell growth. <i>Breast Cancer Research and Treatment</i> , 2012, 133, 447-458.	1.1	69
10	Dihydroceramide delays cell cycle G1/S transition via activation of ER stress and induction of autophagy. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 2135-2143.	1.2	66
11	Acid ceramidase as a therapeutic target in metastatic prostate cancer. <i>Journal of Lipid Research</i> , 2013, 54, 1207-1220.	2.0	61
12	Simultaneous determination of diclofenac, its human metabolites and microbial nitration/nitrosation transformation products in wastewaters by liquid chromatography/quadrupole-linear ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1347, 63-71.	1.8	59
13	Sex pheromone biosynthetic pathway for disparlure in the gypsy moth, <i>Lymantria dispar</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 809-814.	3.3	53
14	A simple fluorogenic method for determination of acid ceramidase activity and diagnosis of Farber disease. <i>Journal of Lipid Research</i> , 2010, 51, 3542-3547.	2.0	53
15	Is Hydrogen Tunneling Involved in AcylCoA Desaturase Reactions? The Case of a $\Delta^9$ Desaturase That Transforms (E)-11-Tetradecenoic Acid into (Z,E)-9,11-Tetradecadienoic Acid. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3279-3281.	7.2	51
16	Chemical Tools to Investigate Sphingolipid Metabolism and Functions. <i>ChemMedChem</i> , 2007, 2, 580-606.	1.6	50
17	Cellular Changes that Accompany Shedding of Human Corneocytes. <i>Journal of Investigative Dermatology</i> , 2012, 132, 2430-2439.	0.3	48
18	A multifunctional desaturase involved in the biosynthesis of the processionary moth sex pheromone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16444-16449.	3.3	46

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19	Straightforward Access to Spisulosine and 4,5-Dehydrospisulosine Stereoisomers: Probes for Profiling Ceramide Synthase Activities in Intact Cells. <i>Journal of Organic Chemistry</i> , 2013, 78, 5858-5866.	1.7	43
20	Unequivocal Identification of Compounds Formed in the Photodegradation of Fenitrothion in Water/Methanol and Proposal of Selected Transformation Pathways. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 814-821.	2.4	38
21	Inhibitors of sphingosine-1-phosphate metabolism (sphingosine kinases and sphingosine-1-phosphate) Tj ETQq1 1 0,784314 ggBT /Over	1.5	34
22	Synthesis of a Fluorogenic Analogue of Sphingosine-1-Phosphate and Its Use to Determine Sphingosine-1-Phosphate Lyase Activity. <i>ChemBioChem</i> , 2009, 10, 820-822.	1.3	30
23	15N-Multilabeled Adenine and Guanine Nucleosides. Syntheses of [1,3,NH2-15N3]- and [2-13C-1,3,NH2-15N3]-Labeled Adenosine, Guanosine, 2'-Deoxyadenosine, and 2'-Deoxyguanosine. <i>Journal of Organic Chemistry</i> , 1999, 64, 6575-6582.	1.7	27
24	Azide-Tagged Sphingolipids: New Tools for Metabolic Flux Analysis. <i>ChemBioChem</i> , 2015, 16, 641-650.	1.3	24
25	Ceramide Analogue SACLAC Modulates Sphingolipid Levels and <i>MCL-1</i> Splicing to Induce Apoptosis in Acute Myeloid Leukemia. <i>Molecular Cancer Research</i> , 2020, 18, 352-363.	1.5	22
26	Sphingolipid Modulation: A Strategy for Cancer Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 285-302.	0.9	22
27	Synthesis of Dideuterated and Enantiomers of Monodeuterated Tridecanoic Acids at C-9 and C-10 Positions. <i>Journal of Organic Chemistry</i> , 2000, 65, 8582-8588.	1.7	21
28	Substrate-Dependent Stereochemical Course of the (Z)-13-Desaturation Catalyzed by the Processionary Moth Multifunctional Desaturase. <i>Journal of the American Chemical Society</i> , 2007, 129, 15007-15012.	6.6	20
29	Natural Products as Platforms for the Design of Sphingolipid-Related Anticancer Agents. <i>Advances in Cancer Research</i> , 2013, 117, 237-281.	1.9	20
30	Active Site Contacts in the Purine Nucleoside Phosphorylase <sup>o</sup> Hypoxanthine Complex by NMR andab InitioCalculations. <i>Biochemistry</i> , 2004, 43, 15966-15974.	1.2	19
31	Identification of phototransformation products of sildenafil (Viagra) and its N-demethylated human metabolite under simulated sunlight. <i>Journal of Mass Spectrometry</i> , 2012, 47, 701-711.	0.7	19
32	Synthesis and Use of Stereospecifically Deuterated Analogues of Palmitic Acid To Investigate the Stereochemical Course of the <sup>13</sup> C Desaturase of the Processionary Moth. <i>Journal of Organic Chemistry</i> , 2004, 69, 7108-7113.	1.7	18
33	Jaspine B induces nonapoptotic cell death in gastric cancer cells independently of its inhibition of ceramide synthase. <i>Journal of Lipid Research</i> , 2017, 58, 1500-1513.	2.0	18
34	Inhibitors of ceramide de novo biosynthesis rescue damages induced by cigarette smoke in airways epithelia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 753-759.	1.4	17
35	Activity-Based Imaging of Acid Ceramidase in Living Cells. <i>Journal of the American Chemical Society</i> , 2019, 141, 7736-7742.	6.6	17
36	2,3:18,19-dioxidosqualene: synthesis and activity as a potent inhibitor of 2,3-oxidosqualene-lanosterol cyclase in rat liver microsomes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 1239-1242.	1.0	15

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37	Dioxidosqualenes: characterization and activity as inhibitors of 2,3-oxidosqualene-lanosterol cyclase. <i>Journal of Organic Chemistry</i> , 1993, 58, 3991-3997.	1.7	15
38	Stereospecificity of the (Z)-9 desaturase that converts (E)-11-tetradecenoic acid into (Z,E)-9,11-tetradecadienoic acid in the biosynthesis of <i>Spodoptera littoralis</i> sex pheromone. <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 799-803.	1.2	15
39	Abiotic amidine and guanidine hydrolysis of lamotrigine-N2-glucuronide and related compounds in wastewater: The role of pH and N2-substitution on reaction kinetics. <i>Water Research</i> , 2016, 100, 466-475.	5.3	14
40	Dihydroceramide Desaturase 1 Inhibitors Reduce Amyloid- $\beta^2$ Levels in Primary Neurons from an Alzheimer's Disease Transgenic Model. <i>Pharmaceutical Research</i> , 2018, 35, 49.	1.7	14
41	High yield protection of purine ribonucleosides for H-phosphonate RNA synthesis. <i>Tetrahedron Letters</i> , 1997, 38, 7135-7138.	0.7	13
42	Activity of neutral and alkaline ceramidases on fluorogenic N-acylated coumarin-containing aminodiols. <i>Journal of Lipid Research</i> , 2015, 56, 2019-2028.	2.0	13
43	Internal Oxidosqualenes: Determination of Absolute Configuration and Activity as Inhibitors of Purified Pig Liver Squalene Epoxidase. <i>Journal of Organic Chemistry</i> , 1995, 60, 3648-3656.	1.7	12
44	Ceramidases in Hematological Malignancies: Senseless or Neglected Target?. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 830-843.	0.9	12
45	3-Ketosphinganine provokes the accumulation of dihydroshingolipids and induces autophagy in cancer cells. <i>Molecular BioSystems</i> , 2016, 12, 1166-1173.	2.9	12
46	The first fluorogenic sensor for sphingosine-1-phosphate lyase activity in intact cells. <i>Chemical Communications</i> , 2017, 53, 5441-5444.	2.2	12
47	3-Deoxy-3,4-dehydro analogs of XM462. Preparation and activity on sphingolipid metabolism and cell fate. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3173-3179.	1.4	11
48	Analysis of the neurotoxic effects of neuropathic organophosphorus compounds in adult zebrafish. <i>Scientific Reports</i> , 2018, 8, 4844.	1.6	11
49	Novel Chemoenzymatic Strategy for the Synthesis of Enantiomerically Pure Secondary Alcohols with Sterically Similar Substituents. <i>Journal of Organic Chemistry</i> , 2003, 68, 5351-5356.	1.7	10
50	Structure elucidation of phototransformation products of unapproved analogs of the erectile dysfunction drug sildenafil in artificial freshwater with UPLC-MS. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1279-1289.	0.7	10
51	Synthesis of deuterated fatty acids to investigate the biosynthetic pathway of disparlure, the sex pheromone of the Gypsy Moth, <i>Lymantria dispar</i> . <i>Lipids</i> , 2004, 39, 397-401.	0.7	9
52	Click and count: specific detection of acid ceramidase activity in live cells. <i>Chemical Science</i> , 2020, 11, 13044-13051.	3.7	9
53	Discovery of deoxyceramide analogs as highly selective ACER3 inhibitors in live cells. <i>European Journal of Medicinal Chemistry</i> , 2021, 216, 113296.	2.6	9
54	2,3,18,19-Dioxidosqualene Stereoisomers: Characterization and Activity as Inhibitors of Purified Pig Liver 2,3-Oxidosqualene-Lanosterol Cyclase. <i>Journal of Organic Chemistry</i> , 1996, 61, 7603-7607.	1.7	8

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55	In situ synthesis of fluorescent membrane lipids (ceramides) using click chemistry. <i>Journal of Chemical Biology</i> , 2012, 5, 119-123.	2.2	8
56	Fluorescent Polyene Ceramide Analogues as Membrane Probes. <i>Langmuir</i> , 2015, 31, 2484-2492.	1.6	8
57	A straightforward synthesis of the CERT inhibitor (1 $\alpha$ ,3 $\beta$ )-HPA-12. <i>Tetrahedron Letters</i> , 2015, 56, 1706-1708.	0.7	8
58	Synthesis of fluorinated analogs of myristic acid as potential inhibitors of egyptian armyworm ( <i>Spodoptera littoralis</i> ) $\delta^11$ desaturatedesaturase. <i>Lipids</i> , 2003, 38, 865-871.	0.7	7
59	From the configurational preference of dihydroceramide desaturase-1 towards $\delta^6$ -unsaturated substrates to the discovery of a new inhibitor. <i>Chemical Communications</i> , 2017, 53, 4394-4397.	2.2	7
60	Azide-tagged sphingolipids for the proteome-wide identification of C16-ceramide-binding proteins. <i>Chemical Communications</i> , 2018, 54, 13742-13745.	2.2	7
61	Synthesis and Use of Probes to Investigate the Cryptoregiochemistry of the First Animal Acetylenase. <i>Journal of Organic Chemistry</i> , 2006, 71, 7558-7564.	1.7	6
62	Clearly Detectable, Kinetically Restricted Solid-Solid Phase Transition in cis-Ceramide Monolayers. <i>Langmuir</i> , 2018, 34, 11749-11758.	1.6	6
63	Use of $^{13}C$ tags with specifically $^{15}N$ -labeled DNA and RNA. <i>Biopolymers</i> , 1998, 48, 57-63.	1.2	5
64	New fluorogenic probes for neutral and alkaline ceramidases. <i>Journal of Lipid Research</i> , 2019, 60, 1174-1181.	2.0	5
65	A Mechanism-Based Sphingosine-1-phosphate Lyase Inhibitor. <i>Journal of Organic Chemistry</i> , 2020, 85, 419-429.	1.7	5
66	Epoxidation of 6,7- and 10,11-oxidosqualenes by the squalene epoxidase present in rat liver microsomes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1993, 3, 2581-2586.	1.0	4
67	Synthesis and Use of Deuterated Palmitic Acids to Decipher the Cryptoregiochemistry of a $\delta^{13}$ Desaturation. <i>Journal of Organic Chemistry</i> , 2007, 72, 760-764.	1.7	4
68	Rotational spectra of tetracyclic quinolizidine alkaloids: does a water molecule flip sparteine?. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17553-17559.	1.3	4
69	Synthesis and characterization of bichromophoric 1-deoxyceramides as FRET probes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2456-2467.	1.5	4
70	Methuosis Contributes to Jaspine-B-Induced Cell Death. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7257.	1.8	4
71	Bacterial versus human sphingosine-1-phosphate lyase (S1PL) in the design of potential S1PL inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4381-4389.	1.4	3
72	Arylacetic acid derivatization of 2,3- and internal erythro-squalene diols. Separation and absolute configuration determination. <i>Tetrahedron</i> , 2004, 60, 11519-11525.	1.0	2

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73	Studies on the inhibition of sphingosine-1-phosphate lyase by stabilized reaction intermediates and stereodefined azido phosphates. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 905-915.	2.6	2
74	Approaches to polyunsaturated sphingolipids: new conformationally restrained analogs with minimal structural modifications. <i>Tetrahedron</i> , 2016, 72, 605-612.	1.0	2
75	An Unexpected Access to a New Sphingoid Base Containing a Vinyl Sulfide Unit. <i>Synlett</i> , 2010, 2010, 2950-2952.	1.0	1
76	Chemical Probes of Sphingolipid Metabolizing Enzymes. , 2015, , 437-469.		1
77	Chirality-Puckering correlation and intermolecular interactions in Sphingosines: Rotational spectroscopy of jaspine B3 and its monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 267, 120531.	2.0	1
78	In Situ Synthesis of Fluorescent Membrane Lipids (Ceramides) using Click Chemistry. <i>Biophysical Journal</i> , 2013, 104, 373a.	0.2	0
79	Stereoselective preparation of quaternary 2-vinyl sphingosines and ceramides and their effect on basal sphingolipid metabolism. <i>Chemistry and Physics of Lipids</i> , 2017, 205, 34-41.	1.5	0
80	Rotational spectroscopy of organophosphorous chemical agents: cresyl and phenyl saligenin phosphates. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16418-16422.	1.3	0