# JosÃ© LuÃ- s Abad

List of Publications by Year
in descending order

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Methuosis Contributes to Jaspine-B-Induced Cell Death. International Journal of Molecular Sciences, 2022, 23, 7257. | 1.8 | 4 |
| 2 | The anti-cancer drug ABTL0812 induces ER stress-mediated cytotoxic autophagy by increasing dihydroceramide levels in cancer cells. Autophagy, 2021, 17, 1349-1366. | 4.3 | 72 |
| 3 | Synthesis and characterization of bichromophoric 1-deoxyceramides as FRET probes. Organic and Biomolecular Chemistry, 2021, 19, 2456-2467. | 1.5 | 4 |
| 4 | Discovery of deoxyceramide analogs as highly selective ACER3 inhibitors in live cells. European Journal of Medicinal Chemistry, 2021, 216, 113296. | 2.6 | 9 |
| 5 | Chirality-Puckering correlation and intermolecular interactions in Sphingosines: Rotational spectroscopy of jaspine B3 and its monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 267, 120531. | 2.0 | 1 |
| 6 | A Mechanism-Based Sphingosine-1-phosphate Lyase Inhibitor. Journal of Organic Chemistry, 2020, 85, 419-429. | 1.7 | 5 |
| 7 | Ceramide Analogue SACLAC Modulates Sphingolipid Levels and <i>MCL-1</i> Splicing to Induce Apoptosis in Acute Myeloid Leukemia. Molecular Cancer Research, 2020, 18, 352-363. | 1.5 | 22 |
| 8 | Click and count: specific detection of acid ceramidase activity in live cells. Chemical Science, 2020, 11, 13044-13051. | 3.7 | 9 |
| 9 | Rotational spectroscopy of organophosphorous chemical agents: cresyl and phenyl saligenin phosphates. Physical Chemistry Chemical Physics, 2019, 21, 16418-16422. | 1.3 | 0 |
| 10 | Activity-Based Imaging of Acid Ceramidase in Living Cells. Journal of the American Chemical Society, 2019, 141, 7736-7742. | 6.6 | 17 |
| 11 | SCOTfluors: Small, Conjugatable, Orthogonal, and Tunable Fluorophores for Inâ€…Vivo Imaging of Cell Metabolism. Angewandte Chemie - International Edition, 2019, 58, 6911-6915. | 7.2 | 100 |
| 12 | New fluorogenic probes for neutral and alkaline ceramidases. Journal of Lipid Research, 2019, 60, 1174-1181. | 2.0 | 5 |
| 13 | Dihydroceramide Desaturase 1 Inhibitors Reduce Amyloid-Î² Levels in Primary Neurons from an Alzheimerâ€™s Disease Transgenic Model. Pharmaceutical Research, 2018, 35, 49. | 1.7 | 14 |
| 14 | Analysis of the neurotoxic effects of neuropathic organophosphorus compounds in adult zebrafish. Scientific Reports, 2018, 8, 4844. | 1.6 | 11 |
| 15 | Azide-tagged sphingolipids for the proteome-wide identification of C16-ceramide-binding proteins. Chemical Communications, 2018, 54, 13742-13745. | 2.2 | 7 |
| 16 | Clearly Detectable, Kinetically Restricted Solidâ€“Solid Phase Transition in cis-Ceramide Monolayers. Langmuir, 2018, 34, 11749-11758. | 1.6 | 6 |
| 17 | Inhibitors of ceramide de novo biosynthesis rescue damages induced by cigarette smoke in airways epithelia. Naunyn-Schmiedeberg's Archives of Pharmacology, 2017, 390, 753-759. | 1.4 | 17 |
| 18 | The first fluorogenic sensor for sphingosine-1-phosphate lyase activity in intact cells. Chemical Communications, 2017, 53, 5441-5444. | 2.2 | 12 |

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|---|---|---|---|
| 19 | Rotational spectra of tetracyclic quinolizidine alkaloids: does a water molecule flip sparteine?. Physical Chemistry Chemical Physics, 2017, 19, 17553-17559. | 1.3 | 4 |
| 20 | Stereoselective preparation of quaternary 2-vinyl sphingosines and ceramides and their effect on basal sphingolipid metabolism. Chemistry and Physics of Lipids, 2017, 205, 34-41. | 1.5 | 0 |
| 21 | Jaspine B induces nonapoptotic cell death in gastric cancer cells independently of its inhibition of ceramide synthase. Journal of Lipid Research, 2017, 58, 1500-1513. | 2.0 | 18 |
| 22 | From the configurational preference of dihydroceramide desaturase-1 towards Î”<sup>6</sup>-unsaturated substrates to the discovery of a new inhibitor. Chemical Communications, 2017, 53, 4394-4397. | 2.2 | 7 |
| 23 | Abiotic amidine and guanidine hydrolysis of lamotrigine-N2-glucuronide and related compounds in wastewater: The role of pH and N2-substitution on reaction kinetics. Water Research, 2016, 100, 466-475. | 5.3 | 14 |
| 24 | 3-Ketosphinganine provokes the accumulation of dihydroshingolipids and induces autophagy in cancer cells. Molecular BioSystems, 2016, 12, 1166-1173. | 2.9 | 12 |
| 25 | Studies on the inhibition of sphingosine-1-phosphate lyase by stabilized reaction intermediates and stereodefined azido phosphates. European Journal of Medicinal Chemistry, 2016, 123, 905-915. | 2.6 | 2 |
| 26 | Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. Autophagy, 2016, 12, 2213-2229. | 4.3 | 118 |
| 27 | Bacterial versus human sphingosine-1-phosphate lyase (S1PL) in the design of potential S1PL inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 4381-4389. | 1.4 | 3 |
| 28 | Investigating the formation and toxicity of nitrogen transformation products of diclofenac and sulfamethoxazole in wastewater treatment plants. Journal of Hazardous Materials, 2016, 309, 157-164. | 6.5 | 72 |
| 29 | Approaches to polyunsaturated sphingolipids: new conformationally restrained analogs with minimal structural modifications. Tetrahedron, 2016, 72, 605-612. | 1.0 | 2 |
| 30 | Inhibitors of sphingosine-1-phosphate metabolism (sphingosine kinases and sphingosine-1-phosphate) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.5 | 34 |
| 31 | Fluorescent Polyene Ceramide Analogues as Membrane Probes. Langmuir, 2015, 31, 2484-2492. | 1.6 | 8 |
| 32 | Azideâ€Tagged Sphingolipids: New Tools for Metabolic Flux Analysis. ChemBioChem, 2015, 16, 641-650. | 1.3 | 24 |
| 33 | A straightforward synthesis of the CERT inhibitor (1â€²R,3â€²S)-HPA-12. Tetrahedron Letters, 2015, 56, 1706-1708. | 0.7 | 8 |
| 34 | Activity of neutral and alkaline ceramidases on fluorogenic N-acylated coumarin-containing aminodiols. Journal of Lipid Research, 2015, 56, 2019-2028. | 2.0 | 13 |
| 35 | Chemical Probes of Sphingolipid Metabolizing Enzymes. , 2015, , 437-469. | | 1 |
| 36 | Structure elucidation of phototransformation products of unapproved analogs of the erectile dysfunction drug sildenafil in artificial freshwater with UPLCâ€Q Exactiveâ€MS. Journal of Mass Spectrometry, 2014, 49, 1279-1289. | 0.7 | 10 |

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| 37 | Simultaneous determination of diclofenac, its human metabolites and microbial nitration/nitrosation transformation products in wastewaters by liquid chromatography/quadrupole-linear ion trap mass spectrometry. Journal of Chromatography A, 2014, 1347, 63-71. | 1.8 | 59 |
| 38 | In Situ Synthesis of Fluorescent Membrane Lipids (Ceramides) using Click Chemistry. Biophysical Journal, 2013, 104, 373a. | 0.2 | 0 |
| 39 | Natural Products as Platforms for the Design of Sphingolipid-Related Anticancer Agents. Advances in Cancer Research, 2013, 117, 237-281. | 1.9 | 20 |
| 40 | Straightforward Access to Spisulosine and 4,5-Dehydrospisulosine Stereoisomers: Probes for Profiling Ceramide Synthase Activities in Intact Cells. Journal of Organic Chemistry, 2013, 78, 5858-5866. | 1.7 | 43 |
| 41 | Acid ceramidase as a therapeutic target in metastatic prostate cancer. Journal of Lipid Research, 2013, 54, 1207-1220. | 2.0 | 61 |
| 42 | Cellular Changes that Accompany Shedding of Human Corneocytes. Journal of Investigative Dermatology, 2012, 132, 2430-2439. | 0.3 | 48 |
| 43 | Dihydroceramide delays cell cycle G1/S transition via activation of ER stress and induction of autophagy. International Journal of Biochemistry and Cell Biology, 2012, 44, 2135-2143. | 1.2 | 66 |
| 44 | Identification of phototransformation products of sildenafil (Viagra) and its Nâ€demethylated human metabolite under simulated sunlight. Journal of Mass Spectrometry, 2012, 47, 701-711. | 0.7 | 19 |
| 45 | In situ synthesis of fluorescent membrane lipids (ceramides) using click chemistry. Journal of Chemical Biology, 2012, 5, 119-123. | 2.2 | 8 |
| 46 | C6-Ceramide and targeted inhibition of acid ceramidase induce synergistic decreases in breast cancer cell growth. Breast Cancer Research and Treatment, 2012, 133, 447-458. | 1.1 | 69 |
| 47 | 3-Deoxy-3,4-dehydro analogs of XM462. Preparation and activity on sphingolipid metabolism and cell fate. Bioorganic and Medicinal Chemistry, 2012, 20, 3173-3179. | 1.4 | 11 |
| 48 | Sphingolipid Modulation: A Strategy for Cancer Therapy. Anti-Cancer Agents in Medicinal Chemistry, 2012, 12, 285-302. | 0.9 | 22 |
| 49 | Ceramidases in Hematological Malignancies: Senseless or Neglected Target?. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 830-843. | 0.9 | 12 |
| 50 | Dihydrosphingomyelin Impairs HIV-1 Infection by Rigidifying Liquid-Ordered Membrane Domains. Chemistry and Biology, 2010, 17, 766-775. | 6.2 | 76 |
| 51 | A simple fluorogenic method for determination of acid ceramidase activity and diagnosis of Farber disease. Journal of Lipid Research, 2010, 51, 3542-3547. | 2.0 | 53 |
| 52 | An Unexpected Access to a New Sphingoid Base Containing a Vinyl Sulfide Unit. Synlett, 2010, 2010, 2950-2952. | 1.0 | 1 |
| 53 | Control of metabolism and signaling of simple bioactive sphingolipids: Implications in disease. Progress in Lipid Research, 2010, 49, 316-334. | 5.3 | 124 |
| 54 | Synthesis of a Fluorogenic Analogue of Sphingosineâ€1â€Phosphate and Its Use to Determine Sphingosineâ€1â€Phosphate Lyase Activity. ChemBioChem, 2009, 10, 820-822. | 1.3 | 30 |

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| 55 | A multifunctional desaturase involved in the biosynthesis of the processionary moth sex pheromone. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16444-16449. | 3.3 | 46 |
| 56 | Substrate-Dependent Stereochemical Course of the (Z)-13-Desaturation Catalyzed by the Processionary Moth Multifunctional Desaturase. Journal of the American Chemical Society, 2007, 129, 15007-15012. | 6.6 | 20 |
| 57 | Synthesis and Use of Deuterated Palmitic Acids to Decipher the Cryptoregiochemistry of a Î”13Desaturation. Journal of Organic Chemistry, 2007, 72, 760-764. | 1.7 | 4 |
| 58 | Chemical Tools to Investigate Sphingolipid Metabolism and Functions. ChemMedChem, 2007, 2, 580-606. | 1.6 | 50 |
| 59 | Synthesis and Use of Probes to Investigate the Cryptoregiochemistry of the First Animal Acetylenase. Journal of Organic Chemistry, 2006, 71, 7558-7564. | 1.7 | 6 |
| 60 | Detection of DNA Adducts Derived from the Reactive Metabolite of Furan, cis-2-Butene-1,4-dial. Chemical Research in Toxicology, 2006, 19, 414-420. | 1.7 | 87 |
| 61 | Inhibitors of sphingolipid metabolism enzymes. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1957-1977. | 1.4 | 156 |
| 62 | Synthesis of deuterated fatty acids to investigate the biosynthetic pathway of disparlure, the sex pheromone of the Gypsy Moth, Lymantria dispar. Lipids, 2004, 39, 397-401. | 0.7 | 9 |
| 63 | Arylacetic acid derivatization of 2,3- and internal erythro-squalene diols. Separation and absolute configuration determination. Tetrahedron, 2004, 60, 11519-11525. | 1.0 | 2 |
| 64 | Active Site Contacts in the Purine Nucleoside Phosphorylaseâ^'Hypoxanthine Complex by NMR andab InitioCalculationsâ€. Biochemistry, 2004, 43, 15966-15974. | 1.2 | 19 |
| 65 | Synthesis and Use of Stereospecifically Deuterated Analogues of Palmitic Acid To Investigate the Stereochemical Course of the Î”11 Desaturase of the Processionary Moth. Journal of Organic Chemistry, 2004, 69, 7108-7113. | 1.7 | 18 |
| 66 | Synthesis of fluorinated analogs of myristic acid as potential inhibitors of egyptian armyworm (Spodoptera littorialis) Î”11 desaturasedesaturase. Lipids, 2003, 38, 865-871. | 0.7 | 7 |
| 67 | Novel Chemoenzymatic Strategy for the Synthesis of Enantiomerically Pure Secondary Alcohols with Sterically Similar Substituents. Journal of Organic Chemistry, 2003, 68, 5351-5356. | 1.7 | 10 |
| 68 | Sex pheromone biosynthetic pathway for disparlure in the gypsy moth, Lymantria dispar. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 809-814. | 3.3 | 53 |
| 69 | Stereospecificity of the (Z)-9 desaturase that converts (E)-11-tetradecenoic acid into (Z,E)-9,11-tetradecadienoic acid in the biosynthesis of Spodoptera littoralis sex pheromone. Insect Biochemistry and Molecular Biology, 2001, 31, 799-803. | 1.2 | 15 |
| 70 | Is Hydrogen Tunneling Involved in AcylCoA Desaturase Reactions? The Case of a Î”9 Desaturase That Transforms (E)-11-Tetradecenoic Acid into (Z,E)-9,11-Tetradecadienoic Acid. Angewandte Chemie - International Edition, 2000, 39, 3279-3281. | 7.2 | 51 |
| 71 | Synthesis of Dideuterated and Enantiomers of Monodeuterated Tridecanoic Acids at C-9 and C-10 Positions. Journal of Organic Chemistry, 2000, 65, 8582-8588. | 1.7 | 21 |
| 72 | 15N-Multilabeled Adenine and Guanine Nucleosides. Syntheses of [1,3,NH2-15N3]- and [2-13C-1,3,NH2-15N3]-Labeled Adenosine, Guanosine, 2â€˜-Deoxyadenosine, and 2â€˜-Deoxyguanosine. Journal of Organic Chemistry, 1999, 64, 6575-6582. | 1.7 | 27 |

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| 73 | Use of13C tags with specifically15N-labeled DNA and RNA. Biopolymers, 1998, 48, 57-63. | 1.2 | 5 |
| 74 | High yield protection of purine ribonucleosides for H-phosphonate RNA synthesis. Tetrahedron Letters, 1997, 38, 7135-7138. | 0.7 | 13 |
| 75 | 2,3,18,19-Dioxidosqualene Stereoisomers:Â Characterization and Activity as Inhibitors of Purified Pig Liver 2,3-Oxidosqualeneâ˘Lanosterol Cyclase. Journal of Organic Chemistry, 1996, 61, 7603-7607. | 1.7 | 8 |
| 76 | Internal Oxidosqualenes: Determination of Absolute Configuration and Activity as Inhibitors of Purified Pig Liver Squalene Epoxidase. Journal of Organic Chemistry, 1995, 60, 3648-3656. | 1.7 | 12 |
| 77 | Unequivocal Identification of Compounds Formed in the Photodegradation of Fenitrothion in Water/Methanol and Proposal of Selected Transformation Pathways. Journal of Agricultural and Food Chemistry, 1994, 42, 814-821. | 2.4 | 38 |
| 78 | Epoxidation of 6,7- and 10,11-oxidosqualenes by the squalene epoxidase present in rat liver microsomes. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 2581-2586. | 1.0 | 4 |
| 79 | Dioxidosqualenes: characterization and activity as inhibitors of 2,3-oxidosqualene-lanosterol cyclase. Journal of Organic Chemistry, 1993, 58, 3991-3997. | 1.7 | 15 |
| 80 | 2,3:18,19-dioxidosqualene: synthesis and activity as a potent inhibitor of 2,3-oxidosqualene-lanosterol cyclase in rat liver microsomes. Bioorganic and Medicinal Chemistry Letters, 1992, 2, 1239-1242. | 1.0 | 15 |