# JosÃ© G Barroso

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 99 papers | 4,076 citations | 147801 31 h-index | 128289 60 g-index |
| 101 all docs | 101 docs citations | 101 times ranked | 4516 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Essential Oil Variability of Azorean Cryptomeriajaponica Leaves under Different Distillation Methods, Part 1: Color, Yield and Chemical Composition Analysis. Applied Sciences (Switzerland), 2022, 12, 452. | 2.5 | 5 |
| 2 | Characterization of cuticular compounds of the cerambycid beetles Monochamus galloprovincialis, Arhopalus syriacus, and Pogonocherus perroudi, potential vectors of pinewood nematode. Entomologia Experimentalis Et Applicata, 2021, 169, 183-194. | 1.4 | 3 |
| 3 | Chemotypes and terpene synthase genes in Thymus genus: State of the art. Industrial Crops and Products, 2018, 124, 530-547. | 5.2 | 35 |
| 4 | Pinus halepensis, Pinus pinaster, Pinus pinea and Pinus sylvestris Essential Oils Chemotypes and Monoterpene Hydrocarbon Enantiomers, before and after Inoculation with the Pinewood Nematode Bursaphelenchus xylophilus. Chemistry and Biodiversity, 2017, 14, e1600153. | 2.1 | 35 |
| 5 | Mineral and volatile composition of Ã¡gua-mel from Portugal. European Food Research and Technology, 2016, 242, 171-178. | 3.3 | 3 |
| 6 | Medicinal and Aromatic Plants (MAP): How Do They Adapt to the Environment?. Medicinal and Aromatic Plants of the World, 2015, , 87-112. | 0.2 | 2 |
| 7 | Essential oil from Artemisia herba-alba Asso grown wild in Algeria: Variability assessment and comparison with an updated literature survey. Arabian Journal of Chemistry, 2014, 7, 243-251. | 4.9 | 59 |
| 8 | Identification and characterization of a second isogene encoding Î³-terpinene synthase in Thymus caespititius. Journal of Plant Physiology, 2014, 171, 1017-1027. | 3.5 | 24 |
| 9 | Volatileâ€Oils Composition, and Bioactivity of the Essential Oils of Plectranthus barbatus, P. neochilus, and P. ornatus Grown in Portugal. Chemistry and Biodiversity, 2014, 11, 719-732. | 2.1 | 25 |
| 10 | Yield and chemical composition of the essential oil of Moroccan chamomile [Cladanthus mixtus (L.) Chevall.] growing wild at different sites in Morocco. Flavour and Fragrance Journal, 2013, 28, 360-366. | 2.6 | 15 |
| 11 | Glandular trichomes, histochemical localization of secretion, and essential oil composition in Plectranthus grandidentatus growing in Portugal. Flavour and Fragrance Journal, 2013, 28, 393-401. | 2.6 | 11 |
| 12 | Propolis volatiles characterisation from acaricide-treated and -untreated beehives maintained at Algarve (Portugal). Natural Product Research, 2013, 27, 743-749. | 1.8 | 15 |
| 13 | Genomic characterization, molecular cloning and expression analysis of two terpene synthases from Thymus caespititius (Lamiaceae). Planta, 2013, 238, 191-204. | 3.2 | 41 |
| 14 | Chemical Composition and Antioxidant Activity of Essential Oils from Cinnamodendron dinisii Schwacke and Siparuna guianensis Aublet. Antioxidants, 2013, 2, 384-397. | 5.1 | 61 |
| 15 | Chemical variability of the essential oils fromRosa caninaL. andRosa sempervirensL. flowers collected at Tunisia. Journal of Essential Oil Research, 2012, 24, 475-480. | 2.7 | 8 |
| 16 | Chemical analyses of the essential oils from leaves ofMikania glaucaMart. ex Baker. Journal of Essential Oil Research, 2012, 24, 599-604. | 2.7 | 5 |
| 17 | Bioassays Against Pinewood Nematode: Assessment of a Suitable Dilution Agent and Screening for Bioactive Essential Oils. Molecules, 2012, 17, 12312-12329. | 3.8 | 30 |
| 18 | Salvia officinalisL. essential oils: effect of hydrodistillation time on the chemical composition, antioxidant and antimicrobial activities. Natural Product Research, 2011, 25, 526-541. | 1.8 | 48 |

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| 19 | Antimicrobial activity, cytotoxicity and intracellular growth inhibition of Portuguese Thymus essential oils. Revista Brasileira De Farmacognosia, 2011, 21, 1012-1024. | 1.4 | 18 |
| 20 | ISSR molecular characterization and leaf volatiles analysis of Pittosporum undulatum Vent. naturalized in the Azores archipelago (Portugal). Industrial Crops and Products, 2011, 33, 710-719. | 5.2 | 19 |
| 21 | Volatile and molecular analysis of Juniperus brevifolia (Seub.) Antoine, an Azorean endemic species. Biochemical Systematics and Ecology, 2010, 38, 621-629. | 1.3 | 7 |
| 22 | Antioxidant activity of six Portuguese thyme species essential oils. Flavour and Fragrance Journal, 2010, 25, 150-155. | 2.6 | 60 |
| 23 | Volatiles from Plicanthus hirtellus (F. Weber) R.M. Schust. and Radula boryana (F. Weber) Nees (Hepaticae) grown in SÃ£o TomÃ© e PrÃncipe Archipelago. Flavour and Fragrance Journal, 2010, 25, 219-222. | 2.6 | 13 |
| 24 | Composition and antioxidant activity of Thymus vulgaris volatiles: Comparison between supercritical fluid extraction and hydrodistillation. Journal of Separation Science, 2010, 33, 2211-2218. | 2.5 | 69 |
| 25 | Volatiles from Thymbra and Thymus species of the Western Mediterranean Basin, Portugal and Macaronesia. Natural Product Communications, 2010, 5, 1934578X1000500. | 0.5 | 10 |
| 26 | Foeniculum vulgare Essential Oils: Chemical Composition, Antioxidant and Antimicrobial Activities. Natural Product Communications, 2010, 5, 1934578X1000500. | 0.5 | 44 |
| 27 | Herbicidal Activity of Volatiles from Coriander, Winter Savory, Cotton Lavender, and Thyme Isolated by Hydrodistillation and Supercritical Fluid Extraction. Journal of Agricultural and Food Chemistry, 2010, 58, 11007-11013. | 5.2 | 51 |
| 28 | Nematicidal activity of essential oils and volatiles derived from Portuguese aromatic flora against the pinewood nematode, Bursaphelenchus xylophilus. Journal of Nematology, 2010, 42, 8-16. | 0.9 | 47 |
| 29 | Volatiles from Thymbra and Thymus species of the western Mediterranean basin, Portugal and Macaronesia. Natural Product Communications, 2010, 5, 1465-76. | 0.5 | 17 |
| 30 | Menthol and Geraniol Biotransformation and Glycosylation Capacity ofLevisticum officinaleHairy Roots. Planta Medica, 2009, 75, 387-391. | 1.3 | 30 |
| 31 | Volatile and molecular characterization of two Portuguese endemic species: Angelica lignescens and Melanoselinum decipiens. Biochemical Systematics and Ecology, 2009, 37, 98-105. | 1.3 | 12 |
| 32 | Assessment of the essential oil composition of Tornabenea annua, Tornabenea insularis and Tornabenea tenuissima fruits from Cape Verde Islands. Biochemical Systematics and Ecology, 2009, 37, 474-478. | 1.3 | 4 |
| 33 | A combined approach using RAPD, ISSR and volatile analysis for the characterization of Thymus caespititius from Flores, Corvo and Graciosa islands (Azores, Portugal). Biochemical Systematics and Ecology, 2009, 37, 670-677. | 1.3 | 35 |
| 34 | Chaerophyllum azoricum Trel. grown in the Azores archipelago, Portugal: evaluation of the genetic diversity using molecular markers and comparison with volatile oils profiles. Flavour and Fragrance Journal, 2009, 24, 259-265. | 2.6 | 4 |
| 35 | Liverwort Radula species from Portugal: chemotaxonomical evaluation of volatiles composition. Flavour and Fragrance Journal, 2009, 24, 316-325. | 2.6 | 15 |
| 36 | Enrichment of the thymoquinone content in volatile oil from Satureja montana using supercritical fluid extraction. Journal of Separation Science, 2009, 32, 328-334. | 2.5 | 43 |

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| 37 | Supercritical fluid extraction of the volatile oil from Santolina chamaecyparissus. Journal of Separation Science, 2009, 32, 3215-3222. | 2.5 | 24 |
| 38 | Biotransformation of menthol and geraniol by hairy root cultures of Anethum graveolens: effect on growth and volatile components. Biotechnology Letters, 2009, 31, 897-903. | 2.2 | 24 |
| 39 | Antioxidant Activities of the Supercritical and Conventionalâ€,Satureja montanaâ€,Extracts. Journal of Food Science, 2009, 74, C713-7. | 3.1 | 33 |
| 40 | Antioxidant Capacity of the Essential Oils FromLavandula luisieri, L. stoechas subsp. lusitanica, L. stoechassubsp.lusitanicaxL. luisieriandL. viridisGrown in Algarve (Portugal). Journal of Essential Oil Research, 2009, 21, 327-336. | 2.7 | 41 |
| 41 | Volatile compounds from the symbiotic systemAzolla filiculoidesâ€Anabaena azollaebacteria. Plant Biosystems, 2009, 143, 268-274. | 1.6 | 6 |
| 42 | Nitrogen stress induction on Levisticum officinale hairy roots grown in darkness and under photoperiod conditions: effect on growth and volatile components. Biotechnology Letters, 2008, 30, 1265-1270. | 2.2 | 7 |
| 43 | Factors affecting secondary metabolite production in plants: volatile components and essential oils. Flavour and Fragrance Journal, 2008, 23, 213-226. | 2.6 | 882 |
| 44 | Chemotaxonomy of Hypericum genus from Portugal: Geographical distribution and essential oils composition of Hypericum perfoliatum, Hypericum humifusum, Hypericum linarifolium and Hypericum pulchrum. Biochemical Systematics and Ecology, 2008, 36, 40-50. | 1.3 | 48 |
| 45 | Genetic diversity and chemical polymorphism of Thymus caespititius from Pico, SÃ£o Jorge and Terceira islands (Azores). Biochemical Systematics and Ecology, 2008, 36, 790-797. | 1.3 | 47 |
| 46 | Portuguese Thymbra and Thymus Species Volatiles: Chemical Composition and Biological Activities. Current Pharmaceutical Design, 2008, 14, 3120-3140. | 1.9 | 124 |
| 47 | Assessment of the Antioxidant Ability of Thymus albicans, T. mastichina, T. camphoratus and T. carnosus Essential Oils by TBARS and Micellar Model systems. Natural Product Communications, 2007, 2, 1934578X0700200. | 0.5 | 11 |
| 48 | Pittosporum undulatum Vent. grown in Portugal: secretory structures, seasonal variation and enantiomeric composition of its essential oil. Flavour and Fragrance Journal, 2007, 22, 1-9. | 2.6 | 17 |
| 49 | Composition of the leaf, flower and fruit volatile oils ofPittosporum tobira (Thunb.) W. T. Aiton grown in three locations in Portugal. Flavour and Fragrance Journal, 2007, 22, 311-316. | 2.6 | 8 |
| 50 | Supercritical carbon dioxide extraction of volatiles from Satureja fruticosa BÃ©guinot. Flavour and Fragrance Journal, 2007, 22, 438-442. | 2.6 | 21 |
| 51 | Essential oil composition of Pterospartum tridentatum grown in Portugal. Food Chemistry, 2007, 102, 1083-1088. | 8.2 | 17 |
| 52 | Essential Oil Composition and Glandular Trichomes ofMarrubium vulgareL. Growing Wild in Algeria. Journal of Essential Oil Research, 2006, 18, 369-373. | 2.7 | 28 |
| 53 | Chemical Composition, Leaf Trichome Types and Biological Activities of the Essential Oils of Four Related Salvia Species Indigenous to Southern Africa. Journal of Essential Oil Research, 2006, 18, 72-79. | 2.7 | 59 |
| 54 | Biological Activities and Composition of Salvia muirii L. Bol. Essential Oil. Journal of Essential Oil Research, 2006, 18, 48-51. | 2.7 | 11 |

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| 55 | Simple gas chromatographic method for the stereodifferentiation of methyl nilate, a chiral Î±-methyl-Î²-hydroxy ester. Journal of Chromatography A, 2006, 1108, 225-230. | 3.7 | 3 |
| 56 | Asterella africana (Mont.) A. Evans grown on Madeira and in mainland Portugal: morphological data and composition of the essential oil. Flavour and Fragrance Journal, 2006, 21, 534-538. | 2.6 | 7 |
| 57 | Constituents of the Essential Oil of Sea Fennel (Crithmum maritimum L.) Growing Wild in Turkey. Journal of Medicinal Food, 2006, 9, 128-130. | 1.5 | 21 |
| 58 | Origanum glandulosum Desf. grown wild in Algeria: essential oil composition and glycosidic bound volatiles. Flavour and Fragrance Journal, 2005, 20, 209-212. | 2.6 | 26 |
| 59 | Comparison of the essential oil composition of fourPlagiochila species:P. bifaria,P. maderensis,P. retrorsa andP. stricta. Flavour and Fragrance Journal, 2005, 20, 703-709. | 2.6 | 15 |
| 60 | Growth and essential oil composition of hairy root cultures of Levisticum officinale W.D.J. Koch (lovage). Plant Science, 2005, 168, 1089-1096. | 3.6 | 56 |
| 61 | Chemical polymorphism of populations of Thymus caespititius grown on the islands Corvo, Flores, SÃ£o Miguel and Terceira (Azores) and on Madeira, assessed by analysis of their essential oils. Plant Science, 2005, 169, 1112-1117. | 3.6 | 26 |
| 62 | Thymus carnosusBoiss.: Effect of Harvesting Period, Collection Site and Type of Plant Material on Essential Oil Composition. Journal of Essential Oil Research, 2005, 17, 422-426. | 2.7 | 17 |
| 63 | Antibacterial and Antioxidant Activities of Essential Oils Isolated fromThymbra capitataL. (Cav.) andOriganum vulgareL.. Journal of Agricultural and Food Chemistry, 2005, 53, 8162-8168. | 5.2 | 146 |
| 64 | Micromorphology of trichomes and composition of essential oil ofTeucrium capitatum. Flavour and Fragrance Journal, 2004, 19, 336-340. | 2.6 | 42 |
| 65 | Effect of the volatile constituents isolated fromThymus albicans,Th. mastichina,Th. carnosus andThymbra capitata in sunflower oil. Molecular Nutrition and Food Research, 2003, 47, 397-402. | 0.0 | 29 |
| 66 | Antimicrobial activity of essential oils isolated from Portuguese endemic species of Thymus. Letters in Applied Microbiology, 2003, 36, 35-40. | 2.2 | 154 |
| 67 | Chemical polymorphism of the essential oils from populations ofThymus caespititius grown on the islands Pico, Faial and Graciosa (Azores). Phytochemical Analysis, 2003, 14, 228-231. | 2.4 | 19 |
| 68 | Effect of the essential volatile oils isolated from <i>Thymbra capitata</i> (L.) Cav. on olive and sunflower oils. Grasas Y Aceites, 2003, 54, . | 0.9 | 13 |
| 69 | Composition of the essential oil ofJuniperus cedrus Webb & Berth. grown on Madeira. Flavour and Fragrance Journal, 2002, 17, 111-114. | 2.6 | 30 |
| 70 | Composition of the essential oil and micromorphology of trichomes ofTeucrium salviastrum, an endemic species from Portugal. Flavour and Fragrance Journal, 2002, 17, 287-291. | 2.6 | 29 |
| 71 | Title is missing!. Biotechnology Letters, 2002, 24, 1031-1036. | 2.2 | 34 |
| 72 | Essential oils from Azorean Laurus azorica. Phytochemistry, 2001, 57, 245-250. | 2.9 | 33 |

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| 73 | Essential oil composition ofThymus lotocephallusG. LÃ³pez & R. Morales, collected during flowering and vegetative phases. Flavour and Fragrance Journal, 2001, 16, 417-421. | 2.6 | 12 |
| 74 | Glandular trichomes and essential oils of Helichrysum stoechas. Israel Journal of Plant Sciences, 2001, 49, 115-122. | 0.5 | 23 |
| 75 | In vitro evaluation of antioxidant activity of essential oils and their components. Flavour and Fragrance Journal, 2000, 15, 12-16. | 2.6 | 112 |
| 76 | Essential oils from seven populations ofJuniperus brevifolia (Seub.) Antoine, an endemic species of the Azores. Flavour and Fragrance Journal, 2000, 15, 31-39. | 2.6 | 18 |
| 77 | Chemical polymorphism of the essential oils from populations of Thymus caespititius grown on the island S. Jorge (Azores). Phytochemistry, 2000, 55, 241-246. | 2.9 | 41 |
| 78 | Title is missing!. Biotechnology Letters, 1999, 21, 859-864. | 2.2 | 16 |
| 79 | Composition of the essential oil ofHypericum foliosum Aiton from five Azorean islands. Flavour and Fragrance Journal, 1999, 14, 283-286. | 2.6 | 30 |
| 80 | Composition of the essential oil ofChaerophyllum azoricum Trel., an endemic species of the Azores archipelago. Flavour and Fragrance Journal, 1999, 14, 287-289. | 2.6 | 23 |
| 81 | Composition of the essential oil ofMelanoselinum decipiens (Schrad. & Wendl.) Hoffm., an endemic species of the Madeira and Azores Archipelagos. Flavour and Fragrance Journal, 1998, 13, 90-92. | 2.6 | 2 |
| 82 | Antimicrobial and antioxidant properties of some commercial essential oils. Flavour and Fragrance Journal, 1998, 13, 235-244. | 2.6 | 449 |
| 83 | Plectranthus madagascariensis: Morphology of the Glandular Trichomes, Essential Oil Composition, and Its Biological Activity. International Journal of Plant Sciences, 1998, 159, 31-38. | 1.3 | 65 |
| 84 | Morphology and distribution of trichomes in two endemicTeucriumspecies of Macaronesia. Acta Botanica Gallica, 1997, 144, 363-369. | 0.9 | 6 |
| 85 | Composition of the Essential Oil ofMonizia edulis Lowe, an Endemic Species of the Madeira Archipelago. Flavour and Fragrance Journal, 1997, 12, 29-31. | 2.6 | 3 |
| 86 | Composition of the essential oil ofTeucrium haenseleri Boiss.. Flavour and Fragrance Journal, 1997, 12, 355-357. | 2.6 | 9 |
| 87 | Composition of the Essential Oil ofTeucrium heterophyllum L'HÃ©r. Grown on Madeira. Flavour and Fragrance Journal, 1996, 11, 129-132. | 2.6 | 15 |
| 88 | The Essential Oils of Two EndemicArgyranthemum Species of the Madeira Archipelago:A. pinnatifidum (L. fil.) Lowe spp.pinnatifidum andA. haemotomma (Lowe) Lowe. Flavour and Fragrance Journal, 1996, 11, 211-214. | 2.6 | 2 |
| 89 | Biotransformation of monoterpenes and sesquiterpenes by cell suspension cultures of Achillea millefolium L. ssp. millefolium. Biotechnology Letters, 1996, 18, 863-868. | 2.2 | 24 |
| 90 | Composition of the Essential Oil ofLavandula pinnata L. fil. var.pinnata grown on madeira. Flavour and Fragrance Journal, 1995, 10, 93-96. | 2.6 | 20 |

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| 91 | Composition of the essential oil ofMicromeria varia Benth. ssp.thymoides (Sol. ex Lowe) PÃ©rez var.thymoides, an endemic species of the madeira archipelago. Flavour and Fragrance Journal, 1995, 10, 199-202. | 2.6 | 5 |
| 92 | Accumulation of stress metabolites in cell suspension cultures of Hyoscyamus albus. Phytochemistry, 1994, 35, 371-375. | 2.9 | 12 |
| 93 | Composition of the essential oil ofartemisia argentea lâ€²hÃ©r., an endemic species of the madeira archipelago. Flavour and Fragrance Journal, 1994, 9, 229-232. | 2.6 | 10 |
| 94 | The essential oils of two endemic Portuguese thyme species:Thymus capitellatus Hoffmanns. & Link andT. lotocephalus G. LÃ³pez & R. Morales. Flavour and Fragrance Journal, 1993, 8, 53-57. | 2.6 | 12 |
| 95 | The essential oils of two endemicTeucrium species from Madeira:T. abutiloides L'HÃ©r. andT. betonicum L'HÃ©r. Flavour and Fragrance Journal, 1993, 8, 277-280. | 2.6 | 13 |
| 96 | Composition of the Essential Oils from Two Populations of Achillea millefolium L. ssp. millefolium. Journal of Chromatographic Science, 1992, 30, 392-395. | 1.4 | 22 |
| 97 | Seasonal Variation in the Composition of the Essential Oil of Crithmum maritimum L.. Flavour and Fragrance Journal, 1992, 7, 147-150. | 2.6 | 27 |
| 98 | Composition of the Essential Oils from Leaves and Flowers of Achillea millefolium L. ssp. millefolium. Flavour and Fragrance Journal, 1992, 7, 219-222. | 2.6 | 45 |
| 99 | Analysis of the Essential Oil ofCrithmum maritimumL.. Journal of Essential Oil Research, 1991, 3, 313-316. | 2.7 | 25 |