# Daniela S Alviano

List of Publications by Year
in descending order

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|---|---|---|---|
| 104 papers | 4,507 citations | 109137 35 h-index | 114278 63 g-index |
| 104 all docs | 104 docs citations | 104 times ranked | 6404 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Screening of chemical composition, antimicrobial and antioxidant activities of Artemisia essential oils. Phytochemistry, 2008, 69, 1732-1738. | 1.4 | 480 |
| 2 | Biological Activities of a-Pinene and Î²-Pinene Enantiomers. Molecules, 2012, 17, 6305-6316. | 1.7 | 466 |
| 3 | Antileishmanial activity of Eugenol-rich essential oil from Ocimum gratissimum. Parasitology International, 2006, 55, 99-105. | 0.6 | 193 |
| 4 | Melissa officinalis L. essential oil: antitumoral and antioxidant activities. Journal of Pharmacy and Pharmacology, 2010, 56, 677-681. | 1.2 | 161 |
| 5 | Antimicrobial activity of Croton cajucara Benth linalool-rich essential oil on artificial biofilms and planktonic microorganisms. Oral Microbiology and Immunology, 2005, 20, 101-105. | 2.8 | 146 |
| 6 | Plant Extracts: Search for New Alternatives to Treat Microbial Diseases. Current Pharmaceutical Biotechnology, 2009, 10, 106-121. | 0.9 | 143 |
| 7 | In vitro antioxidant potential of medicinal plant extracts and their activities against oral bacteria based on Brazilian folk medicine. Archives of Oral Biology, 2008, 53, 545-552. | 0.8 | 109 |
| 8 | Antimicrobial activity of Paenibacillus peoriae strain NRRL BD-62 against a broad spectrum of phytopathogenic bacteria and fungi. Journal of Applied Microbiology, 2003, 95, 1143-1151. | 1.4 | 105 |
| 9 | Chemical and antimicrobial analyses of essential oil of Lippia origanoides H.B.K. Food Chemistry, 2007, 101, 236-240. | 4.2 | 99 |
| 10 | Anti-Inflammatory Properties and Chemical Characterization of the Essential Oils of Four Citrus Species. PLoS ONE, 2016, 11, e0153643. | 1.1 | 98 |
| 11 | Biology and pathogenesis ofFonsecaea pedrosoi, the major etiologic agent of chromoblastomycosis. FEMS Microbiology Reviews, 2007, 31, 570-591. | 3.9 | 95 |
| 12 | Melanin from Fonsecaea pedrosoi Induces Production of Human Antifungal Antibodies and Enhances the Antimicrobial Efficacy of Phagocytes. Infection and Immunity, 2004, 72, 229-237. | 1.0 | 93 |
| 13 | Antifungal activity of Brazilian medicinal plants involved in popular treatment of mycoses. Journal of Ethnopharmacology, 2007, 111, 409-412. | 2.0 | 86 |
| 14 | Leishmanicidal activity of polyphenolic-rich extract from husk fiber ofÂCocos nucifera Linn. (Palmae). Research in Microbiology, 2004, 155, 136-143. | 1.0 | 85 |
| 15 | Antigiardial activity of Ocimum basilicum essential oil. Parasitology Research, 2007, 101, 443-452. | 0.6 | 84 |
| 16 | The influence of orthodontic fixed appliances on the oral microbiota: A systematic review. Dental Press Journal of Orthodontics, 2014, 19, 46-55. | 0.2 | 81 |
| 17 | Ethnopharmacological study of two Lippia species from OriximinÃ¡, Brazil. Journal of Ethnopharmacology, 2006, 108, 103-108. | 2.0 | 77 |
| 18 | Characterisation of the anti-inflammatory and antinociceptive activities of the Hyptis pectinata (L.) Poit essential oil. Journal of Ethnopharmacology, 2011, 134, 725-732. | 2.0 | 72 |

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|---|---|---|---|
| 19 | The latex obtained from Hancornia speciosa Gomes possesses anti-inflammatory activity. Journal of Ethnopharmacology, 2011, 135, 530-537. | 2.0 | 67 |
| 20 | Functional properties of saponins from sisal (Agave sisalana) and juÃ¡ (Ziziphus joazeiro): Critical micellar concentration, antioxidant and antimicrobial activities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 736-743. | 2.3 | 67 |
| 21 | Citrus species essential oils and their components can inhibit or stimulate fungal growth in fruit. Industrial Crops and Products, 2017, 98, 108-115. | 2.5 | 59 |
| 22 | Identification of sialic acids on the cell surface of Candida albicans. Biochimica Et Biophysica Acta - General Subjects, 2000, 1474, 262-268. | 1.1 | 58 |
| 23 | Characterization of Gordonia sp. strain F.5.25.8 capable of dibenzothiophene desulfurization and carbazole utilization. Applied Microbiology and Biotechnology, 2006, 71, 355-362. | 1.7 | 57 |
| 24 | Antimicrobial action and anti-corrosion effect against sulfate reducing bacteria by lemongrass (Cymbopogon citratus) essential oil and its major component, the citral. AMB Express, 2013, 3, 44. | 1.4 | 57 |
| 25 | Synergism Effect of the Essential Oil fromOcimum basilicumvar. Maria Bonita and Its Major Components with Fluconazole and Its Influence on Ergosterol Biosynthesis. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-12. | 0.5 | 55 |
| 26 | Inhibition of melanin synthesis pathway by tricyclazole increases susceptibility ofFonsecaea pedrosoi against mouse macrophages. Microscopy Research and Technique, 2005, 68, 377-384. | 1.2 | 54 |
| 27 | Antinociceptive and free radical scavenging activities of Cocos nucifera L. (Palmae) husk fiber aqueous extract. Journal of Ethnopharmacology, 2004, 92, 269-273. | 2.0 | 52 |
| 28 | Characterisation of the anti-inflammatory and antinociceptive activities and the mechanism of the action of Lippia gracilis essential oil. Journal of Ethnopharmacology, 2011, 135, 406-413. | 2.0 | 46 |
| 29 | Characterization of the antinociceptive and anti-inflammatory activities from Cocos nucifera L. (Palmae). Journal of Ethnopharmacology, 2009, 122, 541-546. | 2.0 | 44 |
| 30 | Conversion of renewable substrates for biosurfactant production by Rhizopus arrhizus UCP 1607 and enhancing the removal of diesel oil from marine soil. Electronic Journal of Biotechnology, 2019, 38, 40-48. | 1.2 | 43 |
| 31 | Anti-inflammatory, antioxidant, and antimicrobial activities of Cocos nucifera var. typica. BMC Complementary and Alternative Medicine, 2013, 13, 107. | 3.7 | 42 |
| 32 | Antimicrobial activity ofPaenibacillus polymyxaSCE2 against some mycotoxin-producing fungi. Journal of Applied Microbiology, 2008, 105, 1044-1053. | 1.4 | 40 |
| 33 | In vitro cytocidal effects of the essential oil from Croton cajucara (red sacaca) and its major constituent 7- hydroxycalamenene against Leishmania chagasi. BMC Complementary and Alternative Medicine, 2013, 13, 249. | 3.7 | 40 |
| 34 | Conventional Therapy and Promising Plant-Derived Compounds Against Trypanosomatid Parasites. Frontiers in Microbiology, 2012, 3, 283. | 1.5 | 38 |
| 35 | Antioxidant and Antimicrobial Activities of 7-Hydroxy-calamenene-Rich Essential Oils from Croton cajucara Benth.. Molecules, 2013, 18, 1128-1137. | 1.7 | 37 |
| 36 | Apoptosis-Inducing Effects ofMelissa officinalisL. Essential Oil in Glioblastoma Multiforme Cells. Cancer Investigation, 2014, 32, 226-235. | 0.6 | 36 |

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|---|---|---|---|
| 37 | Comparison ofFonsecaea pedrosoisclerotic cells obtained in vivo and in vitro: ultrastructure and antigenicity. FEMS Immunology and Medical Microbiology, 2002, 33, 63-69. | 2.7 | 33 |
| 38 | Inhibitory activity of Paenibacillus polymyxa SCE2 against human pathogenic microâ€organisms. Letters in Applied Microbiology, 1999, 28, 423-427. | 1.0 | 31 |
| 39 | Arrabidaea chicaHexanic Extract Induces Mitochondrion Damage and Peptidase Inhibition onLeishmaniaspp.. BioMed Research International, 2014, 2014, 1-7. | 0.9 | 31 |
| 40 | Colonization of Streptococcus mutans on esthetic brackets: Self-ligating vs conventional. American Journal of Orthodontics and Dentofacial Orthopedics, 2013, 143, S72-S77. | 0.8 | 29 |
| 41 | AÃ§aÃ-(Euterpe oleracea Mart.) Seed Extracts from Different Varieties: A Source of Proanthocyanidins and Eco-Friendly Corrosion Inhibition Activity. Molecules, 2021, 26, 3433. | 1.7 | 29 |
| 42 | Differentiation of Fonsecaea pedrosoi mycelial forms into sclerotic cells is induced by platelet-activating factor. Research in Microbiology, 2003, 154, 689-695. | 1.0 | 28 |
| 43 | Characterization of Sialidase from an Influenza A (H3N2) Virus Strain: Kinetic Parameters and Substrate Specificity. Intervirology, 2003, 46, 199-206. | 1.2 | 28 |
| 44 | Production of an antimicrobial substance against Cryptococcus neoformans by Paenibacillus brasilensis Sa3 isolated from the rhizosphere of Kalanchoe brasiliensis. Microbiological Research, 2008, 163, 200-207. | 2.5 | 28 |
| 45 | Microbial colonization in orthodontic mini-implants. Brazilian Dental Journal, 2012, 23, 422-427. | 0.5 | 28 |
| 46 | Microbiological Evaluation of Elastomeric Chains. Angle Orthodontist, 2007, 77, 890-893. | 1.1 | 26 |
| 47 | Oral sustained release nystatin tablets for the treatment of oral candidiasis: formulation development and validation of UV spectrophotometric analytical methodology for content determination. Drug Development and Industrial Pharmacy, 2010, 36, 594-600. | 0.9 | 26 |
| 48 | Effects of linalool and eugenol on the survival of Leishmania ( L .) infantum chagasi within macrophages. Acta Tropica, 2016, 164, 69-76. | 0.9 | 25 |
| 49 | Chemical composition of the fractions of leaf oil of Alpinia zerumbet (Pers.) B.L. Burtt & R.M. Sm. and antimicrobial activity. Revista Brasileira De Farmacognosia, 2009, 19, 697-701. | 0.6 | 24 |
| 50 | Frequencies of feline blood types in the Rio de Janeiro area of Brazil. Veterinary Clinical Pathology, 2008, 37, 272-276. | 0.3 | 23 |
| 51 | Essential oil constituents from high altitude Brazilian species with antimicrobial activity: Baccharis parvidentata Malag., Hyptis monticola Mart. ex Benth.Âand Lippia origanoides Kunth. Journal of Essential Oil Research, 2017, 29, 109-116. | 1.3 | 23 |
| 52 | Differential expression of sialylglycoconjugates and sialidase activity in distinct morphological stages of Fonsecaea pedrosoi. Archives of Microbiology, 2004, 181, 278-286. | 1.0 | 22 |
| 53 | Comparative studies of phenotypic and genetic characteristics between two desulfurizing isolates of Rhodococcus erythropolis and the well-characterized R. erythropolis strain IGTS8. Journal of Industrial Microbiology and Biotechnology, 2007, 34, 423-431. | 1.4 | 20 |
| 54 | The four-component aureocin A70 as a promising agent for food biopreservation. International Journal of Food Microbiology, 2016, 237, 39-46. | 2.1 | 20 |

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|---|---|---|---|
| 55 | Effect of the secretory leucocyte proteinase inhibitor (SLPI) on Candida albicans biological processes: A therapeutic alternative?. Archives of Oral Biology, 2014, 59, 928-937. | 0.8 | 19 |
| 56 | Anti-Escherichia coli activity of extracts from Schinus terebinthifolius fruits and leaves. Natural Product Research, 2018, 32, 1365-1368. | 1.0 | 18 |
| 57 | Antifungal Phenylpropanoid Glycosides from Lippia rubella. Journal of Natural Products, 2019, 82, 566-572. | 1.5 | 18 |
| 58 | Bacterial community associated with the trunk latex of Hancornia speciosa Gomes (Apocynaceae) grown in the northeast of Brazil. Antonie Van Leeuwenhoek, 2011, 99, 523-532. | 0.7 | 17 |
| 59 | Does the essential oil of Lippia sidoidesCham. (pepper-rosmarin) affect its endophytic microbial community?. BMC Microbiology, 2013, 13, 29. | 1.3 | 17 |
| 60 | Inhibitory effect of linalool-rich essential oil from Lippia alba on the peptidase and keratinase activities of dermatophytes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 12-17. | 2.5 | 17 |
| 61 | Cell-surface sialoglycoconjugate structures in wild-type and mutant Crithidia fasciculata. Parasitology Research, 1999, 85, 293-299. | 0.6 | 16 |
| 62 | Biochemical characterization of an ecto-ATP diphosphohydrolase activity in Candida parapsilosisâ€ƒand its possible role in adenosine acquisition and pathogenesis. FEMS Yeast Research, 2010, 10, 735-746. | 1.1 | 16 |
| 63 | Growth Inhibition of Sulfate-Reducing Bacteria in Produced Water from the Petroleum Industry Using Essential Oils. Molecules, 2017, 22, 648. | 1.7 | 16 |
| 64 | Traditional use, chemical composition and antimicrobial activity of Pectis brevipedunculata essential oil: A correlated lemongrass species in Brazil. Emirates Journal of Food and Agriculture, 2013, 25, 798. | 1.0 | 15 |
| 65 | Polyphenol-Rich Diets Exacerbate AMPK-Mediated Autophagy, Decreasing Proliferation of Mosquito Midgut Microbiota, and Extending Vector Lifespan. PLoS Neglected Tropical Diseases, 2016, 10, e0005034. | 1.3 | 15 |
| 66 | In vitro anti-MRSA activity of Couroupita guianensis extract and its component Tryptanthrin. Natural Product Research, 2017, 31, 2077-2080. | 1.0 | 15 |
| 67 | Piper Essential Oils Inhibit Rhizopus oryzae Growth, Biofilm Formation, and Rhizopuspepsin Activity. Canadian Journal of Infectious Diseases and Medical Microbiology, 2018, 2018, 1-7. | 0.7 | 15 |
| 68 | Fonsecaea pedrosoi Sclerotic Cells: Secretion of Aspartic-Type Peptidase and Susceptibility to Peptidase Inhibitors. Frontiers in Microbiology, 2018, 9, 1383. | 1.5 | 14 |
| 69 | Biochemical properties of Candida parapsilosis ecto-5â€²-nucleotidase and the possible role of adenosine in macrophage interaction. FEMS Microbiology Letters, 2011, 317, 34-42. | 0.7 | 13 |
| 70 | Essential oils ofProtium spp. samples from Amazonian popular markets: chemical composition, physicochemical parameters and antimicrobial activity. Journal of Essential Oil Research, 2013, 25, 171-178. | 1.3 | 12 |
| 71 | Anti-inflammatory, antinociceptive and antioxidant properties of Schinopsis brasiliensis bark. Journal of Ethnopharmacology, 2018, 213, 176-182. | 2.0 | 12 |
| 72 | Melanin particles isolated from the fungus Fonsecaea pedrosoi activates the human complement system. Memorias Do Instituto Oswaldo Cruz, 2018, 113, e180120. | 0.8 | 12 |

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| 73 | Antimicrobial activity of Paenibacillus kribbensis POC 115 against the dermatophyte Trichophyton rubrum. World Journal of Microbiology and Biotechnology, 2012, 28, 953-962. | 1.7 | 11 |
| 74 | Anti-cryptococcal activity of ethanol crude extract and hexane fraction from Ocimum basilicum var. Maria bonita: mechanisms of action and synergism with amphotericin B and Ocimum basilicum essential oil. Pharmaceutical Biology, 2017, 55, 1380-1388. | 1.3 | 11 |
| 75 | Î²-Carboline-1-propionic acid alkaloid: antileishmanial and cytotoxic effects. Revista Brasileira De Farmacognosia, 2019, 29, 755-762. | 0.6 | 11 |
| 76 | Spores ofMucor ramosissimus, Mucor plumbeusandMucor circinelloidesand their ability to activate human complement systemin vitro. Medical Mycology, 2010, 48, 278-284. | 0.3 | 10 |
| 77 | Antimicrobial activity of the essential oils from the leaves of two morphotypes ofCroton cajucaraBenth. Journal of Essential Oil Research, 2012, 24, 351-357. | 1.3 | 10 |
| 78 | 7-hydroxycalamenene effects on secreted aspartic proteases activity and biofilm formation of Candida spp.. Pharmacognosy Magazine, 2016, 12, 36. | 0.3 | 10 |
| 79 | Extension of Solanaceae Food Crops Shelf Life by the Use of Elicitors and Sustainable Practices During Postharvest Phase. Food and Bioprocess Technology, 2022, 15, 249-274. | 2.6 | 10 |
| 80 | Pharmacognostic Study on Elsholtzia ciliata (Thumb.) Hyl: Anatomy, Phytochemistry and Pharmacological Activities. Pharmaceuticals, 2021, 14, 1152. | 1.7 | 10 |
| 81 | Prevalence of Group B Streptococcus serotypes III and V in pregnant women of Rio de Janeiro, Brazil. Brazilian Journal of Microbiology, 2013, 44, 869-872. | 0.8 | 9 |
| 82 | Proanthocyanidins with Corrosion Inhibition Activity for AISI 1020 Carbon Steel under Neutral pH Conditions of Coconut (Cocos nucifera L.) Husk Fibers. ACS Omega, 2021, 6, 6893-6901. | 1.6 | 9 |
| 83 | Chemical composition and antimicrobial activities of the essential oils from Ocimum selloi and Hesperozygis myrtoides. Natural Product Communications, 2011, 6, 1027-30. | 0.2 | 9 |
| 84 | Effects of 7-Hydroxycalamenene Isolated from Croton cajucara Essential Oil on Growth, Lipid Content and Ultrastructural Aspects of Rhizopus oryzae. Planta Medica, 2014, 80, 550-556. | 0.7 | 8 |
| 85 | HIV Aspartic Peptidase Inhibitors Modulate Surface Molecules and Enzyme Activities Involved with Physiopathological Events in Fonsecaea pedrosoi. Frontiers in Microbiology, 2017, 8, 918. | 1.5 | 8 |
| 86 | Croton cajucara Essential Oil Nanoemulsion and Its Antifungal Activities. Processes, 2021, 9, 1872. | 1.3 | 8 |
| 87 | Activation of the human complement system by pigmented and hypopigmented mycelia of the fungus Fonsecaea pedrosoi. Mycoses, 2011, 54, e474-80. | 1.8 | 7 |
| 88 | Monohexosylceramides from Rhizopus Species Isolated from Brazilian Caatinga: Chemical Characterization and Evaluation of Their Anti-Biofilm and Antibacterial Activities. Molecules, 2018, 23, 1331. | 1.7 | 6 |
| 89 | Chemical Composition and Antimicrobial Activities of the Essential Oils from Ocimum Selloi and Hesperozygis myrtoides. Natural Product Communications, 2011, 6, 1934578X1100600. | 0.2 | 5 |
| 90 | Sialoglycoproteins in Morphological Distinct Stages of Mucor polymorphosporus and their Influence on Phagocytosis by Human Blood Phagocytes. Mycopathologia, 2013, 176, 183-189. | 1.3 | 5 |

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| 91 | Aspartic peptidase of Phialophora verrucosa as target of HIV peptidase inhibitors: blockage of its enzymatic activity and interference with fungal growth and macrophage interaction. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 629-638. | 2.5 | 5 |
| 92 | Trypanosoma cruzi Peptidases: An Overview. The Open Parasitology Journal, 2010, 4, 120-131. | 1.7 | 5 |
| 93 | Effects of platelet-activating factor on the interaction of Trypanosoma cruzi with Rhodnius prolixus. Parasitology Research, 2011, 108, 1473-1478. | 0.6 | 4 |
| 94 | Putative role of an ABC transporter in Fonsecaea pedrosoi multidrug resistance. International Journal of Antimicrobial Agents, 2012, 40, 409-415. | 1.1 | 4 |
| 95 | Absolute Stereochemistry of Antifungal Limonene-1,2-diols from Lippia rubella. Revista Brasileira De Farmacognosia, 2020, 30, 537-543. | 0.6 | 4 |
| 96 | The Natural Alkaloid Tryptanthrin Induces Apoptosis-like Death in Leishmania spp.. Tropical Medicine and Infectious Disease, 2022, 7, 112. | 0.9 | 4 |
| 97 | Chemical Composition and Biological Activities of Soldiers of the Brazilian Termite Species, Nasutitermes macrocephalus (Isoptera: Natutitermitinae). Natural Product Communications, 2013, 8, 1934578X1300800. | 0.2 | 2 |
| 98 | Activation of Human Complement System by Mucor polymorphosporus Mycelia. The Open Mycology Journal, 2008, 2, 94-99. | 0.8 | 2 |
| 99 | Coronavirus disease 2019 (COVID-19) treatment versus mycobacterial infections: Better safe than sorry?. Infection Control and Hospital Epidemiology, 2022, 43, 952-953. | 1.0 | 1 |
| 100 | The challenges of education in a continental country in the face of new severe acute respiratory coronavirus virus 2 (SARS-CoV-2) variant circulation. Infection Control and Hospital Epidemiology, 2021, , 1-3. | 1.0 | 1 |
| 101 | <i>Bacteroides fragilis</i> Supernatant Extracts Enriched in Phenylacetic Acid Induce a Cytotoxic Effect in Mammalian Cells. Advances in Microbiology, 2015, 05, 730-736. | 0.3 | 1 |
| 102 | ï¢-Glucosidase, ï¢-Xylosidase and ï¡-L-Arabinofuranosidase Production by Mutant Trichoderma atroviride 102C1 in Different Lignocellulosic Biomass Sources. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 962-970. | 0.0 | 1 |
| 103 | Microbial Infection of Orthodontic Synthetic Intermaxillary Elastics in Differents Types of Manipulation: An In Vitro Study. Journal of Dentistry and Dental Medicine, 2018, 1, . | 0.0 | 0 |
| 104 | The return of university classes in an emerging country during the COVID-19 pandemic. Pathogens and Global Health, 2021, , 1-3. | 1.0 | 0 |