Jorge F S Ferreira

List of Publications by Year
in descending order

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76 papers	2,917 citations	172457 29 h-index	175258 52 g-index
77 all docs	77 docs citations	77 times ranked	3019 citing authors

#	Article	IF	Citations
1	Flavonoids from Artemisia annua L. as Antioxidants and Their Potential Synergism with Artemisinin against Malaria and Cancer. Molecules, 2010, 15, 3135-3170.	3.8	372
2	Nutritional characterisation and antioxidant capacity of different tissues of Artemisia annua L.. Food Chemistry, 2009, 115, 1240-1246.	8.2	164
3	Developmental Studies ofArtemisia annua: Flowering and Artemisinin Production Under Greenhouse and Field Conditions. Planta Medica, 1995, 61, 167-170.	1.3	123
4	Floral Morphology of Artemisia annua with Special Reference to Trichomes. International Journal of Plant Sciences, 1995, 156, 807-815.	1.3	109
5	Cultivation and genetics ofArtemisia annuaL. for increased production of the antimalarial artemisinin. Plant Genetic Resources: Characterisation and Utilisation, 2005, 3, 206-229.	0.8	102
6	Variable salinity responses of 12 alfalfa genotypes and comparative expression analyses of salt-response genes. Scientific Reports, 2017, 7, 42958.	3.3	91
7	In vitro trematocidal effects of crude alcoholic extracts of Artemisia annua, A. absinthium, Asimina triloba, and Fumaria officinalis. Parasitology Research, 2011, 109, 1585-1592.	1.6	78
8	Anthelmintic activity of Cymbopogon martinii, Cymbopogon schoenanthus and Mentha piperita essential oils evaluated in four different in vitro tests. Veterinary Parasitology, 2011, 183, 103-108.	1.8	77
9	Simplified Extraction of Ginsenosides from American Ginseng (Panax quinquefoliusL.) for High-Performance Liquid Chromatographyâ”Ultraviolet Analysis. Journal of Agricultural and Food Chemistry, 2005, 53, 9867-9873.	5.2	76
10	Nutrient Deficiency in the Production of Artemisinin, Dihydroartemisinic Acid, and Artemisinic Acid inArtemisia annuaL.. Journal of Agricultural and Food Chemistry, 2007, 55, 1686-1694.	5.2	74
11	Rumen fermentation and production effects of Origanum vulgare L. leaves in lactating dairy cows. Journal of Dairy Science, 2011, 94, 5065-5079.	3.4	72
12	Analysis of underivatized artemisinin and related sesquiterpene lactones by highâ€performance liquid chromatography with ultraviolet detection. Phytochemical Analysis, 2009, 20, 91-97.	2.4	69
13	Synergistic interaction of ten essential oils against Haemonchus contortus in vitro. Veterinary Parasitology, 2017, 243, 47-51.	1.8	66
14	Direct analysis of artemisinin from Artemisia annua L. using high-performance liquid chromatography with evaporative light scattering detector, and gas chromatography with flame ionization detector. Journal of Chromatography A, 2006, 1133, 254-258.	3.7	65
15	Water deficit effect on the accumulation of biomass and artemisinin in annual wormwood(Artemisia) Tj ETQq1 1 0.784314 rgBT /Ove	0.5	65
16	Caenorhabditis elegans as a model to screen plant extracts and compounds as natural anthelmintics for veterinary use. Veterinary Parasitology, 2011, 182, 264-268.	1.8	64
17	Roots as an enhancing factor for the production of artemisinin in shoot cultures of Artemisia annua. Plant Cell, Tissue and Organ Culture, 1996, 44, 211-217.	2.3	63
18	Drying Affects Artemisinin, Dihydroartemisinic Acid, Artemisinic Acid, and the Antioxidant Capacity of Artemisia annua L. Leaves. Journal of Agricultural and Food Chemistry, 2010, 58, 1691-1698.	5.2	63

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19	Anthelmintic effect of plant extracts containing condensed and hydrolyzable tannins on Caenorhabditis elegans, and their antioxidant capacity. Veterinary Parasitology, 2013, 192, 218-227.	1.8	60
20	Relationship of Artemisinin Content of Tissue-Cultured, Greenhouse-Grown, and Field-Grown Plants ofArtemisia annua1. Planta Medica, 1995, 61, 351-355.	1.3	59
21	Immunoquantitative analysis of artemisinin from Artemisia annua using polyclonal antibodies. Phytochemistry, 1996, 41, 97-104.	2.9	56
22	Nutrient Composition, Forage Parameters, and Antioxidant Capacity of Alfalfa (Medicago sativa, L.) in Response to Saline Irrigation Water. Agriculture (Switzerland), 2015, 5, 577-597.	3.1	47
23	Effects of artemisinin and Artemisia extracts on Haemonchus contortus in gerbils (Meriones) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.8	46
24	Jerusalem artichoke (Helianthus tuberosus, L.) maintains high inulin, tuber yield, and antioxidant capacity under moderately-saline irrigation waters. Industrial Crops and Products, 2016, 94, 1009-1024.	5.2	46
25	Use of Artemisia annua as a natural coccidiostat in free-range broilers and its effects on infection dynamics and performance. Veterinary Parasitology, 2012, 186, 178-187.	1.8	44
26	Fruit yield and survival of five commercial strawberry cultivars under field cultivation and salinity stress. Scientia Horticulturae, 2019, 243, 401-410.	3.6	42
27	A comparison of gas chromatography and high performance liquid chromatography for artemisinin analyses. Phytochemical Analysis, 1994, 5, 116-120.	2.4	40
28	Seasonal induced changes in spinach rhizosphere microbial community structure with varying salinity and drought. Science of the Total Environment, 2017, 579, 1485-1495.	8.0	39
29	Effects of Artemisia annua and Foeniculum vulgare on chickens highly infected with Eimeria tenella (Phylum Apicomplexa). Acta Veterinaria Scandinavica, 2014, 56, 22.	1.6	34
30	Spinach (Spinacea oleracea L.) Response to Salinity: Nutritional Value, Physiological Parameters, Antioxidant Capacity, and Gene Expression. Agriculture (Switzerland), 2018, 8, 163.	3.1	33
31	Selection and Clonal Propagation of High Artemisinin Genotypes of Artemisia annua. Frontiers in Plant Science, 2018, 9, 358.	3.6	30
32	Anthelmintic activity of Artemisia annua L. extracts in vitro and the effect of an aqueous extract and artemisinin in sheep naturally infected with gastrointestinal nematodes. Parasitology Research, 2014, 113, 2345-2353.	1.6	29
33	Affordable and sensitive determination of artemisinin in Artemisia annua L. by gas chromatography with electron-capture detection. Journal of Chromatography A, 2008, 1190, 302-306.	3.7	28
34	Evaluation of Cymbopogon schoenanthus essential oil in lambs experimentally infected with Haemonchus contortus. Veterinary Parasitology, 2012, 186, 312-318.	1.8	28
35	Cytotoxicity of Ethanolic Extracts ofArtemisia annuato Molt-4 Human Leukemia Cells. Planta Medica, 2011, 77, 1788-1793.	1.3	27
36	Evapotranspiration as a Criterion to Estimate Nitrogen Requirement of Maize Under Salt Stress. Journal of Agronomy and Crop Science, 2016, 202, 192-202.	3.5	27

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37	Evaluation of encapsulated anethole and carvone in lambs artificially- and naturally-infected with Haemonchus contortus. Experimental Parasitology, 2019, 197, 36-42.	1.2	25
38	Artemisinin concentration and antioxidant capacity of Artemisia annua distillation byproduct. Industrial Crops and Products, 2013, 41, 294-298.	5.2	23
39	Spinach Plants Favor the Absorption of K+ over Na+ Regardless of Salinity, and May Benefit from Na+ When K+ is Deficient in the Soil. Plants, 2020, 9, 507.	3.5	22
40	Biofuel production from Jerusalem artichoke tuber inulins: a review. Biofuel Research Journal, 2017, 4, 587-599.	13.3	21
41	Adaptation and agronomic performance of Artemisia annua L. under lowland humid tropical conditions. Industrial Crops and Products, 2012, 39, 190-197.	5.2	20
42	Effects of plants and essential oils on ruminal in vitro batch culture methane production and fermentation. Canadian Journal of Animal Science, 2012, 92, 395-408.	1.5	18
43	Sugar yield and composition of tubers from Jerusalem Artichoke (Helianthus tuberosus) irrigated with saline waters. Biotechnology and Bioengineering, 2018, 115, 1475-1484.	3.3	18
44	Flower morphology and floral sequence in Artemisia annua (Asteraceae)¹. American Journal of Botany, 2014, 101, 875-885.	1.7	17
45	Functional relationships between aboveground and belowground spinach (Spinacia oleracea L., cv.) Tj ETQq1 1 0.784314 rgBT /Overlo 137207.	8.0	16
46	Growth and physiology of maize under water salinity and nitrogen fertilization in two soils. Revista Brasileira De Engenharia Agricola E Ambiental, 2019, 23, 907-913.	1.1	15
47	Terminalia catappa : Chemical composition, in vitro and in vivo effects on Haemonchus contortus. Veterinary Parasitology, 2017, 246, 118-123.	1.8	14
48	Seasonal and Differential Sesquiterpene Accumulation in Artemisia annua Suggest Selection Based on Both Artemisinin and Dihydroartemisinic Acid may Increase Artemisinin in planta. Frontiers in Plant Science, 2018, 9, 1096.	3.6	13
49	Variable salinity responses and comparative gene expression in woodland strawberry genotypes. Scientia Horticulturae, 2019, 254, 61-69.	3.6	13
50	Transcriptional profiling of two contrasting genotypes uncovers molecular mechanisms underlying salt tolerance in alfalfa. Scientific Reports, 2021, 11, 5210.	3.3	13
51	The effects of combiningArtemisia annuaandCurcuma longaethanolic extracts in broilers challenged with infective oocysts ofEimeria acervulinaandE. maxima. Parasitology, 2014, 141, 347-355.	1.5	11
52	Linking diverse salinity responses of 14 almond rootstocks with physiological, biochemical, and genetic determinants. Scientific Reports, 2020, 10, 21087.	3.3	11
53	Artemisia annua as a herbal tea for malaria. African Journal of Traditional Complementary and Alternative Medicines, 2006, 4, 121-3.	0.2	11
54	Seasonal and Post-harvest Accumulation of Artemisinin, Artemisinic Acid, and Dihydroartemisinic Acid in Three Accessions of Artemisia annua Cultivated in West Virginia, USA. Planta Medica, 2008, 74, .	1.3	10

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55	Chemical and biological stability of artemisinin in bovine rumen fluid and its kinetics in goats (Capra) Tj ETQq1 1 0.784314 rgBT /Over	0.7	10
56	Incorporating field wind data to improve crop evapotranspiration parameterization in heterogeneous regions. Irrigation Science, 2017, 35, 533-547.	2.8	9
57	Germination and Growth of Spinach under Potassium Deficiency and Irrigation with High-Salinity Water. Plants, 2020, 9, 1739.	3.5	9
58	Biofertilizers in horticultural crops. Comunicata Scientiae, 2019, 10, 415-428.	0.4	9
59	Phytochemical modulation of P-Glycoprotein and its gene expression in an ivermectin-resistant Haemonchus contortus isolate in vitro. Veterinary Parasitology, 2022, 305, 109713.	1.8	9
60	Evidence of nitrogen and potassium losses in soil columns cultivated with maize under salt stress. Revista Brasileira De Engenharia Agricola E Ambiental, 2018, 22, 553-557.	1.1	8
61	Isolation of Dihydroartemisinic Acid from <i>Artemisia annua</i> L. By-Product by Combining Ultrasound-Assisted Extraction with Response Surface Methodology. Chemical and Pharmaceutical Bulletin, 2017, 65, 746-753.	1.3	5
62	Translocation of photoassimilates in melon vines and fruits under salinity using 13C isotope. Scientia Horticulturae, 2020, 274, 109659.	3.6	5
63	Transcript Analysis of Two Spinach Cultivars Reveals the Complexity of Salt Tolerance Mechanisms. ACS Agricultural Science and Technology, 2021, 1, 64-75.	2.3	5
64	Influence of seasonal changes and salinity on spinach phyllosphere bacterial functional assemblage. PLoS ONE, 2021, 16, e0252242.	2.5	5
65	Production of Artemisinin from in Vitro Cultures of Artemisia annua L.. Biotechnology in Agriculture and Forestry, 2002, , 1-12.	0.2	5
66	Short-Term Response ofArtemisia annuato Lime, P, K, and N in a Dystrophic Soil. Journal of Herbs, Spices and Medicinal Plants, 2007, 12, 49-59.	1.1	4
67	Uses and losses of nitrogen by maize and cotton plants under salt stress. Archives of Agronomy and Soil Science, 2021, 67, 1119-1133.	2.6	4
68	Influence of Moderate to High Salinity on the Phytochemical Profiles of Two Salinity-Tolerant Spinach Genotypes. ACS Food Science & Technology, 2021, 1, 205-214.	2.7	4
69	Effect of Mineral Nutrition, Growth Regulators and Environmental Stresses on Biomass Production and Artemisinin Concentration of Artemisia annua L.. , 2014, , 157-172.		4
70	Potential Agricultural Use of Reject Brine from Desalination Plants in Family Farming Areas. , 2021, , 101-118.		2
71	Comparative Transcriptome Analysis of Agrobacterium tumefaciens Reveals the Molecular Basis for the Recalcitrant Genetic Transformation of Camellia sinensis L.. Biomolecules, 2022, 12, 688.	4.0	2
72	Preparative Separation of High-Purity Dihydroartemisinic Acid from Artemisinin Production Waste by Combined Chromatography. Chemical and Pharmaceutical Bulletin, 2018, 66, 319-326.	1.3	1

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73	Transgenic Expression of Prunus persica Salt Overly Sensitive 2 (PpSOS2) in the atsos2 Mutant Imparts Salt Tolerance in Arabidopsis. ACS Agricultural Science and Technology, 2022, 2, 153-164.	2.3	1
74	Erratum to â€œRumen fermentation and production effects of Origanum vulgare L. leaves in lactating dairy cowsâ€•(J. Dairy Sci. 94:5065â€“5079). Journal of Dairy Science, 2012, 95, 498.	3.4	0
75	Development and Application of a Fast Gas Chromatographic Method Offer New Insights into l-theanine Production Regulation in Camellia sinensis L.. Journal of Agricultural and Food Chemistry, 2021, 69, 11142-11150.	5.2	0
76	Environmental, Agricultural, and Socioeconomic Impacts of Salinization to Family-Based Irrigated Agriculture in the Brazilian SemiaridÂRegion. , 2021, , 37-48.		0