

Weverton P Rodrigues

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Long-term elevated air [CO_2] strengthens photosynthetic functioning and mitigates the impact of supra-optimal temperatures in tropical <i>Coffea arabica</i> and <i>C. canephora</i> species. <i>Global Change Biology</i> , 2016, 22, 415-431. | 9.5 | 151 |
| 2 | Protective Response Mechanisms to Heat Stress in Interaction with High $[\text{CO}_2]$ Conditions in <i>Coffea</i> spp.. <i>Frontiers in Plant Science</i> , 2016, 7, 947. | 3.6 | 103 |
| 3 | Selection and Validation of Reference Genes for Accurate RT-qPCR Data Normalization in <i>Coffea</i> spp. under a Climate Changes Context of Interacting Elevated $[\text{CO}_2]$ and Temperature. <i>Frontiers in Plant Science</i> , 2017, 8, 307. | 3.6 | 41 |
| 4 | Lipid profile adjustments may contribute to warming acclimation and to heat impact mitigation by elevated $[\text{CO}_2]$ in <i>Coffea</i> spp. <i>Environmental and Experimental Botany</i> , 2019, 167, 103856. | 4.2 | 32 |
| 5 | Resilient and Sensitive Key Points of the Photosynthetic Machinery of <i>Coffea</i> spp. to the Single and Superimposed Exposure to Severe Drought and Heat Stresses. <i>Frontiers in Plant Science</i> , 2020, 11, 1049. | 3.6 | 31 |
| 6 | Photosynthetic acclimation to elevated CO_2 combined with partial rootzone drying results in improved water use efficiency, drought tolerance and leaf carbon balance of grapevines (<i>Vitis</i>) | 10.7 | 537 |
| 7 | Stomatal and photochemical limitations of photosynthesis in coffee (<i>Coffea</i> spp.) plants subjected to elevated temperatures. <i>Crop and Pasture Science</i> , 2018, 69, 317. | 1.5 | 29 |
| 8 | Microclimate and development of <i>Coffea canephora</i> cv. Conilon under different shading levels promoted by Australian cedar (<i>Toona ciliata</i> M. Roem. var. <i>Australis</i>). <i>Australian Journal of Crop Science</i> , 2016, 10, 528-538. | 0.3 | 26 |
| 9 | Research Article Biometric traits as a tool for the identification and breeding of <i>Coffea</i> & <i>canephora</i> genotypes. <i>Genetics and Molecular Research</i> , 2020, 19, . | 0.2 | 21 |
| 10 | Inoculation with the endophytic bacterium <i>Herbaspirillum seropedicae</i> promotes growth, nutrient uptake and photosynthetic efficiency in rice. <i>Planta</i> , 2020, 252, 87. | 3.2 | 20 |
| 11 | Whole-canopy gas exchanges in <i>Coffea</i> sp. is affected by supra-optimal temperature and light distribution within the canopy: The insights from an improved multi-chamber system. <i>Scientia Horticulturae</i> , 2016, 211, 194-202. | 3.6 | 19 |
| 12 | Deficit irrigation and transparent plastic covers can save water and improve grapevine cultivation in the tropics. <i>Agricultural Water Management</i> , 2018, 202, 66-80. | 5.6 | 18 |
| 13 | Nutrient accumulation in bean and fruit from irrigated and non-irrigated <i>Coffea canephora</i> cv. Conilon. <i>Emirates Journal of Food and Agriculture</i> , 2016, 28, 402. | 1.0 | 18 |
| 14 | Using a crop water stress index based on a sap flow method to estimate water status in conilon coffee plants. <i>Agricultural Water Management</i> , 2020, 241, 106343. | 5.6 | 17 |
| 15 | Genetic diversity of standard leaf nutrients in <i>Coffea canephora</i> genotypes during phenological phases. <i>Genetics and Molecular Research</i> , 2016, 15, . | 0.2 | 16 |
| 16 | Adaptability and genotypic stability of <i>Coffea arabica</i> genotypes based on REML/BLUP analysis in Rio de Janeiro State, Brazil. <i>Genetics and Molecular Research</i> , 2013, 12, 2391-2399. | 0.2 | 16 |
| 17 | Biomass and Leaf Acclimations to Ultraviolet Solar Radiation in Juvenile Plants of <i>Coffea arabica</i> and <i>C. canephora</i> . <i>Plants</i> , 2021, 10, 640. | 3.5 | 15 |
| 18 | Comparison between single-leaf and whole-canopy gas exchange measurements in papaya (<i>Carica</i>) | 3.6 | 14 |

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|----|--|-----|-----------|
| 19 | Comparison of Selection Traits for Effective Popcorn (<i>Zea mays</i> L. var. Everta) Breeding Under Water Limiting Conditions. <i>Frontiers in Plant Science</i> , 2020, 11, 1289. | 3.6 | 14 |
| 20 | Physiological aspects, growth and yield of <i>Coffea</i> spp. in areas of high altitude. <i>Australian Journal of Crop Science</i> , 2016, 10, 666-674. | 0.3 | 11 |
| 21 | Screening of Popcorn Genotypes for Drought Tolerance Using Canonical Correlations. <i>Agronomy</i> , 2020, 10, 1519. | 3.0 | 11 |
| 22 | Agronomic performance of arabica coffee genotypes in northwest Rio de Janeiro State. <i>Genetics and Molecular Research</i> , 2014, 13, 5664-5673. | 0.2 | 11 |
| 23 | Evidence of genetic tolerance to low availability of phosphorus in the soil among genotypes of <i>Coffea canephora</i> . <i>Genetics and Molecular Research</i> , 2015, 14, 10576-10587. | 0.2 | 10 |
| 24 | Assessment of genetic divergence among coffee genotypes by Ward-MLM procedure in association with mixed models. <i>Genetics and Molecular Research</i> , 2016, 15, . | 0.2 | 10 |
| 25 | Influence of pre-germination treatments and temperature on the germination of crambe seeds (<i>Crambe</i>) Tj ETQq1 1 0.784314 rgBT /Ov | 0.3 | 10 |
| 26 | A <i>Carica papaya</i> L. genotype with low leaf chlorophyll concentration copes successfully with soil water stress in the field. <i>Scientia Horticulturae</i> , 2022, 293, 110722. | 3.6 | 10 |
| 27 | Adaptability and stability of conilon coffee in areas of high altitude. <i>Genetics and Molecular Research</i> , 2014, 13, 7879-7888. | 0.2 | 9 |
| 28 | Characterization of the Essential Oil of Mastic Tree from Different Biomes and its Phytotoxic Potential on Cobblerâ€™s Pegs. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2016, 19, 972-979. | 1.9 | 9 |
| 29 | Coffee Responses to Drought, Warming and High [CO ₂] in a Context of Future Climate Change Scenarios. <i>Climate Change Management</i> , 2018, , 465-477. | 0.8 | 9 |
| 30 | Mitigation of the Negative Impact of Warming on the Coffee Crop: The Role of Increased Air [CO ₂] and Management Strategies. , 0, , . | | 9 |
| 31 | Photosynthetic capacity, leaf respiration and growth in two papaya (<i>Carica papaya</i>) genotypes with different leaf chlorophyll concentrations. <i>AoB PLANTS</i> , 2019, 11, plz013. | 2.3 | 9 |
| 32 | Partial root-zone drying in field-grown papaya: Gas exchange, yield, and water use efficiency. <i>Agricultural Water Management</i> , 2021, 243, 106421. | 5.6 | 9 |
| 33 | Biometry and diversity of Arabica coffee genotypes cultivated in a high density plant system. <i>Genetics and Molecular Research</i> , 2016, 15, . | 0.2 | 8 |
| 34 | Water Use Efficiency in Popcorn (<i>Zea mays</i> L. var. everta): Which Physiological Traits Would Be Useful for Breeding?. <i>Plants</i> , 2021, 10, 1450. | 3.5 | 8 |
| 35 | Relationships between sap-flow measurements, whole-canopy transpiration and reference evapotranspiration in field-grown papaya (<i>Carica papaya</i> L.). <i>Theoretical and Experimental Plant Physiology</i> , 2015, 27, 251-262. | 2.4 | 7 |
| 36 | A bitter cup: the estimation of spatial distribution of carbon balance in <i>Coffea</i> spp. plantations reveals increased carbon footprint in tropical regions. <i>Plant, Soil and Environment</i> , 2015, 61, 544-552. | 2.2 | 7 |

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|----|--|-----|-----------|
| 37 | Ultraviolet radiation underlies metabolic energy reprogramming in <i>Coffea arabica</i> and <i>Coffea canephora</i> genotypes. <i>Scientia Horticulturae</i> , 2022, 295, 110881. | 3.6 | 7 |
| 38 | Photosynthetic capacity of 'Niagara Rosada' grapes grown under transparent plastic covering. <i>Ciencia Rural</i> , 2016, 46, 950-956. | 0.5 | 6 |
| 39 | Rational management of water availability along the phenological stages of <i>Crambe abyssinica</i> Hochst.. <i>Australian Journal of Crop Science</i> , 2018, 12, 350-356. | 0.3 | 6 |
| 40 | Environmental Factors Controlling Carbon Assimilation, Growth, and Yield of Papaya (<i>Carica papaya</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | | |
| 41 | Hypernodulating soybean mutant line <i>nod4</i> lacking $\hat{\epsilon}$ Autoregulation of Nodulation $\hat{\epsilon}$ ™ (AON) has limited root-to-shoot water transport capacity. <i>Annals of Botany</i> , 2019, 124, 979-991. | 2.9 | 6 |
| 42 | Impact of soil water regimes and partial root-zone drying in field-grown papaya in semi-arid conditions. <i>Scientific Reports</i> , 2021, 11, 10638. | 3.3 | 6 |
| 43 | Genetic variability and expression of agro-morphological traits among genotypes of <i>Coffea arabica</i> being promoted by supplementary irrigation. <i>Genetics and Molecular Research</i> , 2017, 16, . | 0.2 | 6 |
| 44 | Substrate Stabilization Using Humus with Tannery Sludge in Conilon Coffee Seedlings. <i>Journal of Experimental Agriculture International</i> , 2018, 21, 1-10. | 0.5 | 6 |
| 45 | Leaf gas exchange and growth of two papaya (<i>Carica papaya</i> L.) genotypes are affected by elevated electrical conductivity of the nutrient solution. <i>Scientia Horticulturae</i> , 2017, 218, 230-239. | 3.6 | 5 |
| 46 | Leaf photosynthetic responses of passion fruit genotypes to varying sunlight exposure within the canopies. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 103-112. | 2.4 | 5 |
| 47 | Arquitetura da copa do cafeeiro arÃ;bica conduzido com diferentes nÃºmeros de ramos ortotrÃ³picos. <i>Revista Ceres</i> , 2018, 65, 415-423. | 0.4 | 5 |
| 48 | Aluminum toxicity effect on the initial growth of yacon plantlets. <i>Revista Ceres</i> , 2018, 65, 120-126. | 0.4 | 4 |
| 49 | Linking root and stem hydraulic traits to leaf physiological parameters in <i>Coffea canephora</i> clones with contrasting drought tolerance. <i>Journal of Plant Physiology</i> , 2021, 258-259, 153355. | 3.5 | 4 |
| 50 | Research Article Genetic Variability for Sprout Growth among Genotypes of <i>Coffea canephora</i> Led by Bending of Orthotropic Stems. <i>Genetics and Molecular Research</i> , 2017, 16, . | 0.2 | 4 |
| 51 | Growth and yield of <i>Coffea arabica</i> L. in Northwest Fluminense: 2nd harvest. <i>Revista Ceres</i> , 2012, 59, 809-815. | 0.4 | 4 |
| 52 | Selection of genotypes of <i>Jatropha curcas</i> L. for aluminium tolerance using the solution-paper method. <i>Idesia</i> , 2013, 31, 81-86. | 0.3 | 4 |
| 53 | Kaolin Film Increases Gas Exchange Parameters of Coffee Seedlings During Transference From Nursery to Full Sunlight. <i>Frontiers in Plant Science</i> , 2021, 12, 784482. | 3.6 | 4 |
| 54 | Effect of different sources of organic matter added to the substrate on physiological parameters of clonal plants of conilon coffee. <i>Australian Journal of Crop Science</i> , 2018, 12, 1328-1334. | 0.3 | 3 |

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|----|--|-----|-----------|
| 55 | Light, photosynthetic capacity and growth of papaya (<i>Carica papaya</i> L.): a short review. <i>Australian Journal of Crop Science</i> , 2019, 13, 480-485. | 0.3 | 3 |
| 56 | Diversity among genotypes of conilon coffee selected in Espírito Santo state. <i>Bioscience Journal</i> , 2015, 31, 1643-1650. | 0.4 | 3 |
| 57 | Efeito de reguladores de crescimento na maturação dos frutos e qualidade da bebida de café. <i>Research, Society and Development</i> , 2019, 8, e17861026. | 0.1 | 3 |
| 58 | Comparison between manual and semi-mechanical harvest of coffee fruit in mountainous areas. <i>African Journal of Agricultural Research Vol Pp</i> , 2015, 10, 2724-2730. | 0.5 | 2 |
| 59 | Physiological aspects of corn plants related to mesotrione herbicide selectivity. <i>Australian Journal of Crop Science</i> , 2016, 10, 1158-1163. | 0.3 | 2 |
| 60 | Agronomic performance and genetic divergence between genotypes of <i>Manihot esculenta</i> . <i>Anais Da Academia Brasileira De Ciências</i> , 2018, 90, 3639-3648. | 0.8 | 2 |
| 61 | Influence of tannery wastewater sludge doses on biometric and chlorophyll fluorescence parameters in conilon coffee. <i>Bioscience Journal</i> , 0, , 556-564. | 0.4 | 2 |
| 62 | IMPACT OF DRYING METHODS OVER THE GERMINATIVE POTENTIAL OF CONILON COFFEE OF LATE MATURATION. <i>Coffee Science</i> , 2019, 14, 484. | 0.5 | 2 |
| 63 | Managing the number of orthotropic stems in <i>Coffea arabica</i> as strategy for cultivation at low-altitude regions. <i>Australian Journal of Crop Science</i> , 2020, , 447-454. | 0.3 | 2 |
| 64 | Aluminum stress in <i>Crambe abyssinica</i> Hochst. <i>Idesia</i> , 2015, 33, 31-39. | 0.3 | 1 |
| 65 | Morpho-agronomic characterization of genotypes of Conilon coffee intercropped with dwarf coconut palms. <i>Australian Journal of Crop Science</i> , 2018, 12, 1479-1485. | 0.3 | 1 |
| 66 | Effects of grafting and gradual rootstock substitution on gas exchanges of orange seedlings under high atmospheric evaporative demand. <i>Scientia Horticulturae</i> , 2019, 247, 67-74. | 3.6 | 1 |
| 67 | Transparent polyethylene covering film in tropical grapevines does not alter photosynthesis, plant growth, fruit quality or yield. <i>Theoretical and Experimental Plant Physiology</i> , 2020, 32, 255-270. | 2.4 | 1 |
| 68 | Effect of Osmotic Stress on the Initial Development of Bean Seedlings. <i>American Journal of Plant Sciences</i> , 2014, 05, 1973-1982. | 0.8 | 1 |
| 69 | Effect of Growth Regulators in Production and Rooting of <i>Coffea arabica</i> L. Minicuttings. <i>American Journal of Plant Sciences</i> , 2018, 09, 628-636. | 0.8 | 1 |
| 70 | Mixed models identify physic nut genotypes adapted to environments with different phosphorus availability. <i>Genetics and Molecular Research</i> , 2016, 15, . | 0.2 | 1 |
| 71 | Research Article Variability and nutritional balance among genotypes of <i>Coffea canephora</i> (Rubiaceae) in drought versus adequate water supply. <i>Genetics and Molecular Research</i> , 2018, 17, . | 0.2 | 1 |
| 72 | Growth and physiological parameters in conilon coffee seedlings fertilized through foliar application of tannery sludge. <i>Plant Physiology Reports</i> , 2021, 26, 722-728. | 1.5 | 1 |

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|----|---|-----|-----------|
| 73 | Vegetative growth of 28 genotypes of <i>Coffea canephora</i> at 850 meters of altitude. <i>Australian Journal of Crop Science</i> , 2020, , 1616-1622. | 0.3 | 1 |
| 74 | Tannery Sludge Applied in High Doses in Elephant Grass as an Alternative Fertilization. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 494-506. | 1.4 | 1 |
| 75 | Soil Class, Mechanical Impedance and Irrigation: Impact on Physiological Performance in Green Dwarf Coconut. <i>Agricultural Research</i> , 2019, 8, 92-101. | 1.7 | 0 |
| 76 | Microclimatic characterization of a conilon coffee plantation grown in an east-west orientation. <i>Australian Journal of Crop Science</i> , 2020, , 431-438. | 0.3 | 0 |
| 77 | Maximum quantum yield of photosystem II to assist in the measurement of herbicide selectivity in popcorn. <i>Plant Science Today</i> , 2014, 1, 80-85. | 0.7 | 0 |
| 78 | Genetic diversity as tool to identify standard leaf nutrients in cassava genotypes. <i>Genetics and Molecular Research</i> , 2018, 17, . | 0.2 | 0 |
| 79 | MICROCLIMATIC CHARACTERIZATION OF CONILON COFFEE CULTIVATED IN NORTH-SOUTH ALIGNMENT IN NORTHERN ESPÍRITO SANTO STATE, BRAZIL. <i>Coffee Science</i> , 2019, 14, 427. | 0.5 | 0 |