# Miquel Ribas-Carbo

List of Publications by Year
in descending order

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|---|---|---|---|
| 121 papers | 11,888 citations | 30070 54 h-index | 27406 106 g-index |
| 124 all docs | 124 docs citations | 124 times ranked | 9118 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mesophyll conductance to CO<sub>2</sub>: current knowledge and future prospects. Plant, Cell and Environment, 2008, 31, 602-621. | 5.7 | 926 |
| 2 | Keeping a positive carbon balance under adverse conditions: responses of photosynthesis and respiration to water stress. Physiologia Plantarum, 2006, 127, 343-352. | 5.2 | 601 |
| 3 | Mesophyll diffusion conductance to CO2: An unappreciated central player in photosynthesis. Plant Science, 2012, 193-194, 70-84. | 3.6 | 563 |
| 4 | Rapid variations of mesophyll conductance in response to changes in CO<sub>2</sub> concentration around leaves. Plant, Cell and Environment, 2007, 30, 1284-1298. | 5.7 | 486 |
| 5 | UAVs challenge to assess water stress for sustainable agriculture. Agricultural Water Management, 2015, 153, 9-19. | 5.6 | 388 |
| 6 | Tobacco aquaporin NtAQP1 is involved in mesophyll conductance to CO2inÂvivo. Plant Journal, 2006, 48, 427-439. | 5.7 | 384 |
| 7 | Decreased Rubisco activity during water stress is not induced by decreased relative water content but related to conditions of low stomatal conductance and chloroplast CO 2 concentration. New Phytologist, 2006, 172, 73-82. | 7.3 | 359 |
| 8 | Importance of leaf anatomy in determining mesophyll diffusion conductance to CO2 across species: quantitative limitations and scaling up by models. Journal of Experimental Botany, 2013, 64, 2269-2281. | 4.8 | 348 |
| 9 | Diffusional conductances to CO2 as a target for increasing photosynthesis and photosynthetic water-use efficiency. Photosynthesis Research, 2013, 117, 45-59. | 2.9 | 305 |
| 10 | Photosynthesis limitations during water stress acclimation and recovery in the drought-adapted Vitis hybrid Richter-110 (V. berlandieriÃ—V. rupestris). Journal of Experimental Botany, 2009, 60, 2361-2377. | 4.8 | 294 |
| 11 | Estimating mesophyll conductance to CO2: methodology, potential errors, and recommendations. Journal of Experimental Botany, 2009, 60, 2217-2234. | 4.8 | 289 |
| 12 | Aquaporins and plant water balance. Plant, Cell and Environment, 2008, 31, 658-666. | 5.7 | 256 |
| 13 | Effects of Water Stress on Respiration in Soybean Leaves. Plant Physiology, 2005, 139, 466-473. | 4.8 | 245 |
| 14 | Understanding down-regulation of photosynthesis under water stress: future prospects and searching for physiological tools for irrigation management. Annals of Applied Biology, 2004, 144, 273-283. | 2.5 | 240 |
| 15 | Improving water use efficiency in grapevines: potential physiological targets for biotechnological improvement. Australian Journal of Grape and Wine Research, 2010, 16, 106-121. | 2.1 | 235 |
| 16 | Analysis of leakage in IRGA's leaf chambers of open gas exchange systems: quantification and its effects in photosynthesis parameterization. Journal of Experimental Botany, 2007, 58, 1533-1543. | 4.8 | 226 |
| 17 | Mesophyll conductance to CO<sub>2</sub> and Rubisco as targets for improving intrinsic water use efficiency in C<sub>3</sub> plants. Plant, Cell and Environment, 2016, 39, 965-982. | 5.7 | 186 |
| 18 | Direct Inhibition of Plant Mitochondrial Respiration by Elevated CO2. Plant Physiology, 1996, 112, 1349-1355. | 4.8 | 155 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The role of mesophyll conductance during water stress and recovery in tobacco (Nicotiana) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T | 4.8 | 154 |
| 20 | The Effect of Growth and Measurement Temperature on the Activity of the Alternative Respiratory Pathway1. Plant Physiology, 1999, 120, 765-772. | 4.8 | 152 |
| 21 | Physiological and morphological adaptations in relation to water use efficiency in Mediterranean accessions of Solanum lycopersicum. Plant, Cell and Environment, 2011, 34, 245-260. | 5.7 | 152 |
| 22 | The Effects of Salicylic Acid and Tobacco Mosaic Virus Infection on the Alternative Oxidase of Tobacco. Plant Physiology, 1997, 115, 783-791. | 4.8 | 143 |
| 23 | Electron Partitioning between the Cytochrome and Alternative Pathways in Plant Mitochondria. Plant Physiology, 1995, 109, 829-837. | 4.8 | 141 |
| 24 | Rubisco activity in Mediterranean species is regulated by the chloroplastic CO2 concentration under water stress. Journal of Experimental Botany, 2011, 62, 653-665. | 4.8 | 141 |
| 25 | Mesophyll conductance to CO 2 in Arabidopsis thaliana. New Phytologist, 2007, 175, 501-511. | 7.3 | 138 |
| 26 | Stomatal and mesophyll conductances to CO<sub>2</sub> are the main limitations to photosynthesis in sugar beet (Beta vulgaris) plants grown with excess zinc. New Phytologist, 2010, 187, 145-158. | 7.3 | 134 |
| 27 | Adjustments of water use efficiency by stomatal regulation during drought and recovery in the droughtâ€adapted Vitis hybrid Richterâ€110 (V.â€ƒberlandieriâ€ƒÃ—â€ƒV.â€ƒrupestris). Physiologia Plantarum, 2008, 134, 313-323. | 5.2 | 124 |
| 28 | The Electron Partitioning between the Cytochrome and Alternative Respiratory Pathways during Chilling Recovery in Two Cultivars of Maize Differing in Chilling Sensitivity. Plant Physiology, 2000, 122, 199-204. | 4.8 | 122 |
| 29 | Lack of Respiratory Chain Complex I Impairs Alternative Oxidase Engagement and Modulates Redox Signaling during Elicitor-Induced Cell Death in Tobacco. Plant Cell, 2007, 19, 640-655. | 6.6 | 122 |
| 30 | An In Vivo Perspective of the Role(s) of the Alternative Oxidase Pathway. Trends in Plant Science, 2018, 23, 206-219. | 8.8 | 118 |
| 31 | Variability of water use efficiency in grapevines. Environmental and Experimental Botany, 2014, 103, 148-157. | 4.2 | 112 |
| 32 | Diffusional limitations explain the lower photosynthetic capacity of ferns as compared with angiosperms in a common garden study. Plant, Cell and Environment, 2015, 38, 448-460. | 5.7 | 112 |
| 33 | Anisohydric behaviour in grapevines results in better performance under moderate water stress and recovery than isohydric behaviour. Plant and Soil, 2012, 359, 335-349. | 3.7 | 111 |
| 34 | Water-use efficiency in grapevine cultivars grown under controlled conditions: effects of water stress at the leaf and whole-plant level. Australian Journal of Grape and Wine Research, 2012, 18, 164-172. | 2.1 | 108 |
| 35 | Measurements of the Engagement of Cyanide-Resistant Respiration in the Crassulacean Acid Metabolism Plant KalanchoÃ« daigremontiana with the Use of On-Line Oxygen Isotope Discrimination. Plant Physiology, 1992, 100, 1087-1091. | 4.8 | 100 |
| 36 | Interactive effects of soil water deficit and air vapour pressure deficit on mesophyll conductance to CO2 in Vitis vinifera and Olea europaea. Journal of Experimental Botany, 2009, 60, 2391-2405. | 4.8 | 100 |

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|---|---|---|---|
| 37 | Stomatal and non-stomatal limitations to photosynthesis in seedlings and saplings of Mediterranean species pre-conditioned and aged in nurseries: Different response to water stress. Environmental and Experimental Botany, 2012, 75, 235-247. | 4.2 | 95 |
| 38 | Response of mitochondrial thioredoxin PsTrxo1, antioxidant enzymes, and respiration to salinity in pea (Pisum sativum L.) leaves. Journal of Experimental Botany, 2011, 62, 3863-3874. | 4.8 | 89 |
| 39 | Response of leaf respiration to water stress in Mediterranean species with different growth forms. Journal of Arid Environments, 2007, 68, 206-222. | 2.4 | 86 |
| 40 | The Regulation of Electron Partitioning between the Cytochrome and Alternative Pathways in Soybean Cotyledon and Root Mitochondria. Plant Physiology, 1997, 113, 903-911. | 4.8 | 84 |
| 41 | Effects of allelochemicals on plant respiration and oxygen isotope fractionation by the alternative oxidase. Journal of Chemical Ecology, 1996, 22, 801-805. | 1.8 | 81 |
| 42 | Effects of light on respiration and oxygen isotope fractionation in soybean cotyledons. Plant, Cell and Environment, 2000, 23, 983-989. | 5.7 | 80 |
| 43 | In vivo cytochrome and alternative pathway respiration in leaves of Arabidopsis thaliana plants with altered alternative oxidase under different light conditions. Plant, Cell and Environment, 2011, 34, 1373-1383. | 5.7 | 79 |
| 44 | The PÃ©clet effect on leaf water enrichment correlates with leaf hydraulic conductance and mesophyll conductance for CO<sub>2</sub>. Plant, Cell and Environment, 2012, 35, 611-625. | 5.7 | 79 |
| 45 | Anatomical constraints to nonstomatal diffusion conductance and photosynthesis in lycophytes and bryophytes. New Phytologist, 2019, 222, 1256-1270. | 7.3 | 72 |
| 46 | Contribution of the cytochrome and alternative pathways to growth respiration and maintenance respiration in Arabidopsis thaliana. Physiologia Plantarum, 2007, 129, 143-151. | 5.2 | 71 |
| 47 | The contribution of C 3 and C 4 plants to the carbon cycle of a tallgrass prairie: an isotopic approach. Oecologia, 2003, 136, 347-359. | 2.0 | 67 |
| 48 | The Effects of Water Stress on Plant Respiration. , 2005, , 85-94. | | 67 |
| 49 | Effects of drought stress and subsequent rewatering on photosynthetic and respiratory pathways in Nicotiana sylvestris wild type and the mitochondrial complex I-deficient CMSII mutant. Journal of Experimental Botany, 2010, 61, 765-775. | 4.8 | 67 |
| 50 | Effect of mitochondrial genome rearrangement on respiratory activity, photosynthesis, photorespiration and energy status of MSC16 cucumber (Cucumis sativus) mutant. Physiologia Plantarum, 2007, 131, 527-541. | 5.2 | 62 |
| 51 | Variability of mesophyll conductance in grapevine cultivars under water stress conditions in relation to leaf anatomy and water use efficiency. Australian Journal of Grape and Wine Research, 2014, 20, 272-280. | 2.1 | 62 |
| 52 | Effects of longâ€term individual and combined water and temperature stress on the growth of rice, wheat and maize: relationship with morphological and physiological acclimation. Physiologia Plantarum, 2015, 155, 149-165. | 5.2 | 62 |
| 53 | Short-Term Effects of Carbon Dioxide on Carnation Callus Cell Respiration. Plant Physiology, 1991, 96, 467-472. | 4.8 | 61 |
| 54 | PGPR Reduce Root Respiration and Oxidative Stress Enhancing Spartina maritima Root Growth and Heavy Metal Rhizoaccumulation. Frontiers in Plant Science, 2018, 9, 1500. | 3.6 | 61 |

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|---|---|---|---|
| 55 | Changes in Mitochondrial Electron Partitioning in Response to Herbicides Inhibiting Branched-Chain Amino Acid Biosynthesis in Soybean. Plant Physiology, 2003, 133, 1351-1359. | 4.8 | 58 |
| 56 | Photosynthetic responses of soybean (Glycine max L.) to heatâ€induced electrical signalling are predominantly governed by modifications of mesophyll conductance for CO<sub>2</sub>. Plant, Cell and Environment, 2013, 36, 542-552. | 5.7 | 58 |
| 57 | Regulation of Alternative Oxidase Activity in Six Wild Monocotyledonous Species. An in Vivo Study at the Whole Root Level. Plant Physiology, 2001, 126, 376-387. | 4.8 | 57 |
| 58 | 18 O composition of CO2 and H2 O ecosystem pools and fluxes in a tallgrass prairie: Simulations and comparisons to measurements. Global Change Biology, 2003, 9, 1567-1581. | 9.5 | 54 |
| 59 | Differences in water-use-efficiency between two Vitis vinifera cultivars (Grenache and Tempranillo) explained by the combined response of stomata to hydraulic and chemical signals during water stress. Agricultural Water Management, 2015, 156, 1-9. | 5.6 | 49 |
| 60 | Carbon balance in grapevines under different soil water supply: importance of whole plant respiration. Australian Journal of Grape and Wine Research, 2012, 18, 308-318. | 2.1 | 47 |
| 61 | Assessment of the role of silicon in the Cu-tolerance of the C4 grass Spartina densiflora. Journal of Plant Physiology, 2015, 178, 74-83. | 3.5 | 47 |
| 62 | Salinity tolerance is related to cyanideâ€resistant alternative respiration in Medicago truncatula under sudden severe stress. Plant, Cell and Environment, 2016, 39, 2361-2369. | 5.7 | 46 |
| 63 | The alternative respiratory pathway mediates carboxylate synthesis in white lupin cluster roots under phosphorus deprivation. Plant, Cell and Environment, 2014, 37, 922-928. | 5.7 | 45 |
| 64 | Arbuscular Mycorrhizal Symbiosis with Arundo donax Decreases Root Respiration and Increases Both Photosynthesis and Plant Biomass Accumulation. Plant, Cell and Environment, 2017, 40, 1115-1126. | 5.7 | 45 |
| 65 | Beyond Sham and Cyanide: Opportunities for Studying the Alternative Oxidase in Plant Respiration Using Oxygen Isotope Discrimination.. Functional Plant Biology, 1995, 22, 487. | 2.1 | 45 |
| 66 | Lightâ€responsive metabolite and transcript levels are maintained following a darkâ€adaptation period in leaves of Arabidopsis thaliana. New Phytologist, 2012, 195, 136-148. | 7.3 | 44 |
| 67 | The reaction of the plant mitochondrial cyanide-resistant alternative oxidase with oxygen. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1188, 205-212. | 1.0 | 43 |
| 68 | Suppression of the External Mitochondrial NADPH Dehydrogenase, NDB1, in Arabidopsis thaliana Affects Central Metabolism and Vegetative Growth. Molecular Plant, 2014, 7, 356-368. | 8.3 | 43 |
| 69 | Responses of wood anatomy and carbon isotope composition of Quercus pubescens saplings subjected to two consecutive years of summer drought. Annals of Forest Science, 2010, 67, 809-809. | 2.0 | 41 |
| 70 | The Application of the Oxygen-Isotope Technique to Assess Respiratory Pathway Partitioning. , 2005, , 31-42. | | 41 |
| 71 | Photosynthesis limitations in three fern species. Physiologia Plantarum, 2013, 149, 599-611. | 5.2 | 40 |
| 72 | Suppression of NDA-Type Alternative Mitochondrial NAD(P)H Dehydrogenases in Arabidopsis thaliana Modifies Growth and Metabolism, but not High Light Stimulation of Mitochondrial Electron Transport. Plant and Cell Physiology, 2014, 55, 881-896. | 3.1 | 40 |

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|---|---|---|---|
| 73 | Changes of alternative oxidase activity, capacity and protein content in leaves of Cucumis sativus wildâ€type and MSC16 mutant grown under different light intensities. Physiologia Plantarum, 2009, 137, 419-426. | 5.2 | 38 |
| 74 | Tumour necrosis factor-alpha uncouples respiration in isolated rat mitochondria. Cytokine, 2003, 22, 1-4. | 3.2 | 37 |
| 75 | Integrative field scale phenotyping for investigating metabolic components of water stress within a vineyard. Plant Methods, 2017, 13, 90. | 4.3 | 37 |
| 76 | The effect of strobilurins on leaf gas exchange, water use efficiency and ABA content in grapevine under field conditions. Journal of Plant Physiology, 2012, 169, 379-386. | 3.5 | 36 |
| 77 | Unravelling the inÂvivo regulation and metabolic role of the alternative oxidase pathway in C<sub>3</sub> species under photoinhibitory conditions. New Phytologist, 2016, 212, 66-79. | 7.3 | 36 |
| 78 | The Lack of Mitochondrial Thioredoxin TRXo1 Affects In Vivo Alternative Oxidase Activity and Carbon Metabolism under Different Light Conditions. Plant and Cell Physiology, 2019, 60, 2369-2381. | 3.1 | 35 |
| 79 | Leaf age-related changes in respiratory pathways are dependent on complex I activity in Nicotiana sylvestris. Physiologia Plantarum, 2007, 129, 152-162. | 5.2 | 34 |
| 80 | Tomato landraces as a source to minimize yield losses and improve fruit quality under water deficit conditions. Agricultural Water Management, 2019, 223, 105722. | 5.6 | 34 |
| 81 | Cytochrome respiration pathway and sulphur metabolism sustain stress tolerance to low temperature in the Antarctic species Colobanthus quitensis. New Phytologist, 2020, 225, 754-768. | 7.3 | 32 |
| 82 | Arbuscular mycorrhizal fungus colonization in Nicotiana tabacum decreases the rate of both carboxylate exudation and root respiration and increases plant growth under phosphorus limitation. Plant and Soil, 2017, 416, 97-106. | 3.7 | 31 |
| 83 | Ubiquinone Redox Behavior in Plant Mitochondria during Electron Transport. Archives of Biochemistry and Biophysics, 1995, 317, 156-160. | 3.0 | 30 |
| 84 | Plant mitochondria electron partitioning is independent of shortâ€term temperature changes. Plant, Cell and Environment, 2009, 32, 585-591. | 5.7 | 30 |
| 85 | In the heat of the night â€“ alternative pathway respiration drives thermogenesis in Philodendron bipinnatifidum. New Phytologist, 2011, 189, 1013-1026. | 7.3 | 30 |
| 86 | Automated system for simultaneous analysis of ?13C, ?18O and CO2 concentrations in small air samples. Rapid Communications in Mass Spectrometry, 2002, 16, 339-345. | 1.5 | 28 |
| 87 | Nitrogen Assimilation Studies Using15N in Soybean Plants Treated with Imazethapyr, an Inhibitor of Branched-Chain Amino Acid Biosynthesis. Journal of Agricultural and Food Chemistry, 2006, 54, 8818-8823. | 5.2 | 27 |
| 88 | Regulation of Respiration In Vivo. , 2005, , 1-15. | | 27 |
| 89 | The Response of Photosynthesis to Soil Water Stress. , 2012, , 129-144. | | 24 |
| 90 | Changes in yield, growth and photosynthesis in a drought-adapted Mediterranean tomato landrace (Solanum lycopersicum â€˜Ramelletâ€™) when grafted onto commercial rootstocks and Solanum pimpinellifolium. Scientia Horticulturae, 2018, 233, 70-77. | 3.6 | 23 |

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| 91 | Response of mitochondrial antioxidant system and respiratory pathways to reactive nitrogen species in pea leaves. Physiologia Plantarum, 2013, 147, 194-206. | 5.2 | 22 |
| 92 | Photoperiod Affects the Phenotype of Mitochondrial Complex I Mutants. Plant Physiology, 2017, 173, 434-455. | 4.8 | 22 |
| 93 | Phosphorus concentration coordinates a respiratory bypass, synthesis and exudation of citrate, and the expression of highâ€affinity phosphorus transporters in Solanum lycopersicum. Plant, Cell and Environment, 2018, 41, 865-875. | 5.7 | 21 |
| 94 | Characterization of phenology, physiology, morphology and biomass traits across a broad Euroâ€Mediterranean ecotypic panel of the lignocellulosic feedstock Arundo donax. GCB Bioenergy, 2019, 11, 152-170. | 5.6 | 21 |
| 95 | Lowâ€temperature tolerance of the Antarctic species <scp>Deschampsia antarctica</scp>: A complex metabolic response associated with nutrient remobilization. Plant, Cell and Environment, 2020, 43, 1376-1393. | 5.7 | 21 |
| 96 | Impaired Cyclic Electron Flow around Photosystem I Disturbs High-Light Respiratory Metabolism. Plant Physiology, 2016, 172, 2176-2189. | 4.8 | 20 |
| 97 | Respiratory ATP cost and benefit of arbuscular mycorrhizal symbiosis with Nicotiana tabacum at different growth stages and under salinity. Journal of Plant Physiology, 2017, 218, 243-248. | 3.5 | 19 |
| 98 | Variations of leaf morphology, photosynthetic traits and water-use efficiency in Western-Mediterranean tomato landraces. Photosynthetica, 2017, 55, 121-133. | 1.7 | 19 |
| 99 | Combined effect of virus infection and water stress on water flow and water economy in grapevines. Physiologia Plantarum, 2017, 160, 171-184. | 5.2 | 18 |
| 100 | Exploring molecular evolution of Rubisco in C3 and CAM Orchidaceae and Bromeliaceae. BMC Evolutionary Biology, 2020, 20, 11. | 3.2 | 16 |
| 101 | Phytochromeâ€driven changes in respiratory electron transport partitioning in soybean (Glycine) Tj ETQq1 1 0.784314 rgBT /Overlo | 3.8 | 15 |
| 102 | Biochemical and mesophyll diffusional limits to photosynthesis are determined by prey and root nutrient uptake in the carnivorous pitcher plant Nepenthes Ã— ventrata. Annals of Botany, 2020, 126, 25-37. | 2.9 | 15 |
| 103 | Water status, photosynthetic pigments, C/N ratios and respiration rates of sitka spruce seedlings exposed to 70 ppbv ozone for a summer. Environmental and Experimental Botany, 1994, 34, 443-449. | 4.2 | 13 |
| 104 | Measuring Photosynthesis and Respiration with Infrared Gas Analysers. , 2018, , 51-75. | | 12 |
| 105 | Coordinated responses of mitochondrial antioxidative enzymes, respiratory pathways and metabolism in Arabidopsis thaliana thioredoxin trxo1 mutants under salinity. Environmental and Experimental Botany, 2019, 162, 212-222. | 4.2 | 12 |
| 106 | High-throughput phenotyping of a large tomato collection under water deficit: Combining UAVsâ€™ remote sensing with conventional leaf-level physiologic and agronomic measurements. Agricultural Water Management, 2022, 260, 107283. | 5.6 | 12 |
| 107 | Measuring Water Use Efficiency in Grapevines. , 2010, , 123-134. | | 11 |
| 108 | Trade-offs between seedling growth, plant respiration and water-use efficiency in two Mediterranean shrubs Rhamnus alaternus and Rhamnus ludovici-salvatoris. Photosynthetica, 2015, 53, 537-546. | 1.7 | 10 |

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|---|---|---|---|
| 109 | Measurements of Electron Partitioning Between Cytochrome and Alternative Oxidase Pathways in Plant Tissues. Methods in Molecular Biology, 2017, 1670, 203-217. | 0.9 | 10 |
| 110 | The Use of a Tomato Landrace as Rootstock Improves the Response of Commercial Tomato under Water Deficit Conditions. Agronomy, 2020, 10, 748. | 3.0 | 10 |
| 111 | Sulfide-Resistant Respiration in Leaves of Elodea canadensis Michx. Plant Physiology, 1989, 90, 1249-1251. | 4.8 | 8 |
| 112 | The alternative oxidase pathway is involved in optimizing photosynthesis inMedicago truncatulainfected byFusarium oxysporumandRhizoctonia solani. Physiologia Plantarum, 2020, 169, 600-611. | 5.2 | 8 |
| 113 | Decreased Levels of Thioredoxin o1 Influences Stomatal Development and Aperture but Not Photosynthesis under Non-Stress and Saline Conditions. International Journal of Molecular Sciences, 2021, 22, 1063. | 4.1 | 8 |
| 114 | Leaf physiological traits of plants from the Qinghai-Tibet Plateau and other arid sites in China: Identifying susceptible species and well-adapted extremophiles. Journal of Plant Physiology, 2022, 272, 153689. | 3.5 | 7 |
| 115 | Methodologies for the Measurement of Water Flow in Grapevines. , 2010, , 57-69. | | 6 |
| 116 | Cytochrome c Deficiency Differentially Affects the In Vivo Mitochondrial Electron Partitioning and Primary Metabolism Depending on the Photoperiod. Plants, 2021, 10, 444. | 3.5 | 3 |
| 117 | The Lack of Alternative Oxidase 1a Restricts in vivo Respiratory Activity and Stress-Related Metabolism for Leaf Osmoprotection and Redox Balancing Under Sudden Acute Water and Salt Stress in Arabidopsis thaliana. Frontiers in Plant Science, 2022, 13, . | 3.6 | 3 |
| 118 | GENETIC VARIATION OF PLANT WATER STATUS, WATER USE EFFICIENCY AND GRAPE YIELD AND QUALITY IN RESPONSE TO SOIL WATER AVAILABILITY IN GRAPEVINE (VITIS VINIFERA L.). Acta Horticulturae, 2012, , 143-150. | 0.2 | 2 |
| 119 | Improving respiration measurements with gas exchange analyzers. Journal of Plant Physiology, 2016, 207, 73-77. | 3.5 | 2 |
| 120 | Different Metabolic Roles for Alternative Oxidase in Leaves of Palustrine and Terrestrial Species. Frontiers in Plant Science, 2021, 12, 752795. | 3.6 | 1 |
| 121 | ECOPHYSIOLOGY OF PLANT RESPIRATION. , 0, , 269-292. | | 0 |