

Marco A Molina-Montenegro

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/862051/marco-a-molina-montenegro-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

2,930
citations

25
h-index

51
g-index

118
ext. papers

3,571
ext. citations

3.5
avg, IF

5.23
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 110 | Biological Soil Crusts as Ecosystem Engineers in Antarctic Ecosystem.. <i>Frontiers in Microbiology</i> , 2022 , 13, 755014 | 5.7 | 0 |
| 109 | Hardening Blueberry Plants to Face Drought and Cold Events by the Application of Fungal Endophytes. <i>Agronomy</i> , 2022 , 12, 1000 | 3.6 | 0 |
| 108 | Fungal endophytes improve the performance of host plants but do not eliminate the growth/defence trade-off.. <i>New Phytologist</i> , 2022 , | 9.8 | 1 |
| 107 | Fungal Endophytes Influence Seed-Associated Bacterial Communities.. <i>Frontiers in Microbiology</i> , 2021 , 12, 795354 | 5.7 | 2 |
| 106 | Differential Impact of an Eclipse on Photosynthetic Performance of Trees with Different Degrees of Shade Tolerance. <i>Forests</i> , 2021 , 12, 1353 | 2.8 | |
| 105 | Molecular and structural characterization of expansins modulated by fungal endophytes in the Antarctic <i>Colobanthus quitensis</i> (Kunth) Bartl. Exposed to drought stress. <i>Plant Physiology and Biochemistry</i> , 2021 , 168, 465-476 | 5.4 | 1 |
| 104 | A Systematic Review on the Effects of Fungal Endophytes on Drought Tolerance in Cool-Season Grasses. <i>Frontiers in Plant Science</i> , 2021 , 12, 644731 | 6.2 | 10 |
| 103 | Genotoxicity of oxidative stress and UV-B radiation in Antarctic vascular plants. <i>Polar Biology</i> , 2021 , 44, 1029-1036 | 2 | 2 |
| 102 | Symbiotic Interaction Enhances the Recovery of Endangered Tree Species in the Fragmented Maulino Forest. <i>Frontiers in Plant Science</i> , 2021 , 12, 663017 | 6.2 | 5 |
| 101 | Isolation and characterization of microsatellites for the endangered endemic tree <i>Nothofagus alessandrii</i> (Nothofagaceae). <i>Molecular Biology Reports</i> , 2021 , 48, 3877-3883 | 2.8 | |
| 100 | Genome-wide association study of cyanogenic glycosides, proline, sugars, and pigments in <i>Eucalyptus cladocalyx</i> after 18 consecutive dry summers. <i>Physiologia Plantarum</i> , 2021 , 172, 1550-1569 | 4.6 | 4 |
| 99 | Getting ready for the ozone battle: Vertically transmitted fungal endophytes have transgenerational positive effects in plants. <i>Plant, Cell and Environment</i> , 2021 , 44, 2716-2728 | 8.4 | 7 |
| 98 | What if the cold days return? Epigenetic mechanisms in plants to cold tolerance. <i>Planta</i> , 2021 , 254, 46 | 4.7 | 4 |
| 97 | Evolution of physiological performance in invasive plants under climate change. <i>Evolution; International Journal of Organic Evolution</i> , 2021 , 75, 3181-3190 | 3.8 | 1 |
| 96 | Integration of Physiological and Molecular Traits Would Help to Improve the Insights of Drought Resistance in Highbush Blueberry Cultivars. <i>Plants</i> , 2020 , 9, | 4.5 | 3 |
| 95 | Fungal Endophytes Enhance the Photoprotective Mechanisms and Photochemical Efficiency in the Antarctic <i>Colobanthus quitensis</i> (Kunth) Bartl. Exposed to UV-B Radiation. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8, | 3.7 | 8 |
| 94 | Fungal Endophytes Exert Positive Effects on Under Water Stress but Neutral Under a Projected Climate Change Scenario in Antarctica. <i>Frontiers in Microbiology</i> , 2020 , 11, 264 | 5.7 | 19 |

| | | | |
|----|--|------|----|
| 93 | Induced Systemic Resistance by a Plant Growth-Promoting Rhizobacterium Impacts Development and Feeding Behavior of Aphids. <i>Insects</i> , 2020 , 11, | 2.8 | 9 |
| 92 | Antarctic root endophytes improve physiological performance and yield in crops under salt stress by enhanced energy production and Na sequestration. <i>Scientific Reports</i> , 2020 , 10, 5819 | 4.9 | 26 |
| 91 | Functional roles of microbial symbionts in plant cold tolerance. <i>Ecology Letters</i> , 2020 , 23, 1034-1048 | 10 | 44 |
| 90 | A tradeoff between fitness-related traits mask facilitation in a semiarid ecosystem. <i>Oikos</i> , 2020 , 129, 1196-1203 | 4 | 3 |
| 89 | In silico analysis of metatranscriptomic data from the Antarctic vascular plant <i>Colobanthus quitensis</i> : Responses to a global warming scenario through changes in fungal gene expression levels. <i>Fungal Ecology</i> , 2020 , 43, 100873 | 4.1 | 7 |
| 88 | Fungal Symbionts Enhance N-Uptake for Antarctic Plants Even in Non-N Limited Soils. <i>Frontiers in Microbiology</i> , 2020 , 11, 575563 | 5.7 | 5 |
| 87 | Root endophytic <i>Penicillium</i> promotes growth of Antarctic vascular plants by enhancing nitrogen mineralization. <i>Extremophiles</i> , 2020 , 24, 721-732 | 3 | 8 |
| 86 | Positive interaction between shrubs and native orchids in a Mediterranean ecosystem. <i>Revista Brasileira De Botanica</i> , 2020 , 43, 1025-1036 | 1.2 | 0 |
| 85 | Maternal Exposure to Ozone Modulates the Endophyte-Conferred Resistance to Aphids in Plants. <i>Insects</i> , 2020 , 11, | 2.8 | 5 |
| 84 | Multiple late-Pleistocene colonisation events of the Antarctic pearlwort <i>Colobanthus quitensis</i> (Caryophyllaceae) reveal the recent arrival of native Antarctic vascular flora. <i>Journal of Biogeography</i> , 2020 , 47, 1663-1673 | 4.1 | 12 |
| 83 | Positive interactions among native and invasive vascular plants in Antarctica: assessing the nurse effect at different spatial scales. <i>Biological Invasions</i> , 2019 , 21, 2819-2836 | 2.7 | 6 |
| 82 | Climate Change Impacts and Adaptation Strategies of Agriculture in Mediterranean-Climate Regions (MCRs). <i>Sustainability</i> , 2019 , 11, 2769 | 3.6 | 31 |
| 81 | Antarctic Extremophiles: Biotechnological Alternative to Crop Productivity in Saline Soils. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 22 | 5.8 | 25 |
| 80 | A first insight into the structure and function of rhizosphere microbiota in Antarctic plants using shotgun metagenomic. <i>Polar Biology</i> , 2019 , 42, 1825-1835 | 2 | 8 |
| 79 | Top-Down and Bottom-Up Effects Deployed by a Nurse Shrub Allow Facilitating an Endemic Mediterranean Orchid. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7, | 3.7 | 2 |
| 78 | Bacterial community structure in a sympagic habitat expanding with global warming: brackish ice brine at 85-90 °N. <i>ISME Journal</i> , 2019 , 13, 316-333 | 11.9 | 11 |
| 77 | Nutrient exchange in arbuscular mycorrhizal symbiosis from a thermodynamic point of view. <i>New Phytologist</i> , 2019 , 222, 1043-1053 | 9.8 | 12 |
| 76 | Biological and genetic features of introduced aphid populations in agroecosystems. <i>Current Opinion in Insect Science</i> , 2018 , 26, 63-68 | 5.1 | 9 |

| | | | |
|----|---|------|-----|
| 75 | Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7863-E7870 | 11.5 | 265 |
| 74 | Is the Success of Plant Invasions the Result of Rapid Adaptive Evolution in Seed Traits? Evidence from a Latitudinal Rainfall Gradient. <i>Frontiers in Plant Science</i> , 2018 , 9, 208 | 6.2 | 21 |
| 73 | Hormonal and physiological changes driven by fungal endophytes increase Antarctic plant performance under UV-B radiation. <i>Fungal Ecology</i> , 2018 , 34, 76-82 | 4.1 | 25 |
| 72 | Assessing the geographic dichotomy hypothesis with cacti in South America. <i>Plant Biology</i> , 2018 , 20, 399-402 | 3.7 | 3 |
| 71 | Occurrence of Alkaloids in Grass Seeds Symbiotic With Vertically-Transmitted Epichloa Fungal Endophytes and Its Relationship With Antioxidants. <i>Frontiers in Ecology and Evolution</i> , 2018 , 6, | 3.7 | 13 |
| 70 | Antarctic rhizobacteria improve salt tolerance and physiological performance of the Antarctic vascular plants. <i>Polar Biology</i> , 2018 , 41, 1973-1982 | 2 | 16 |
| 69 | The effect of future climate change on the conservation of <i>Chloraea disoides</i> Lindl. (Orchidaceae) in Chile. <i>Revista Brasileira De Botanica</i> , 2017 , 40, 353-360 | 1.2 | 5 |
| 68 | Asymmetric responses to simulated global warming by populations of along a latitudinal gradient. <i>PeerJ</i> , 2017 , 5, e3718 | 3.1 | 12 |
| 67 | Positive interactions by cushion plants in high mountains: fact or artifact?. <i>Journal of Plant Ecology</i> , 2016 , 9, 117-123 | 1.7 | 7 |
| 66 | Boron stress response and accumulation potential of the extremely tolerant species <i>Puccinellia frigida</i> . <i>Journal of Hazardous Materials</i> , 2016 , 317, 476-484 | 12.8 | 23 |
| 65 | Dehydrins presence in xylem parenchyma cells enhances hydraulic conductivity and physiological performance in <i>Nothofagus dombeyi</i> . <i>South African Journal of Botany</i> , 2016 , 102, 240-244 | 2.9 | 1 |
| 64 | Adaptive phenotypic plasticity and competitive ability deployed under a climate change scenario may promote the invasion of <i>Poa annua</i> in Antarctica. <i>Biological Invasions</i> , 2016 , 18, 603-618 | 2.7 | 23 |
| 63 | Nurse effect and soil microorganisms are key to improve the establishment of native plants in a semiarid community. <i>Journal of Arid Environments</i> , 2016 , 126, 54-61 | 2.5 | 23 |
| 62 | Biological Interactions and Simulated Climate Change Modulates the Ecophysiological Performance of <i>Colobanthus quitensis</i> in the Antarctic Ecosystem. <i>PLoS ONE</i> , 2016 , 11, e0164844 | 3.7 | 21 |
| 61 | Ecophysiological basis of the Jack-and-Master strategy: <i>Taraxacum officinale</i> (dandelion) as an example of a successful invader. <i>Journal of Plant Ecology</i> , 2016 , rtw121 | 1.7 | 2 |
| 60 | Isolation and characterization of an Antarctic Flavobacterium strain with agarase and alginate lyase activities. <i>Polish Polar Research</i> , 2016 , 37, 403-419 | | 6 |
| 59 | Root-endophytes improve the ecophysiological performance and production of an agricultural species under drought condition. <i>AoB PLANTS</i> , 2016 , 8, | 2.9 | 38 |
| 58 | Woody climbers show greater population genetic differentiation than trees: Insights into the link between ecological traits and diversification. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 2736-2745 | 3.8 | 5 |

| | | | |
|----|--|-----|-----|
| 57 | A recolonization record of the invasive <i>Poa annua</i> in Paradise Bay, Antarctic Peninsula: modeling of the potential spreading risk. <i>Polar Biology</i> , 2015 , 38, 1091-1096 | 2 | 9 |
| 56 | Biological invasions in terrestrial Antarctica: what is the current status and can we respond?. <i>Biodiversity and Conservation</i> , 2015 , 24, 1031-1055 | 3.4 | 86 |
| 55 | Fungal endophytes associated with roots of nurse cushion species have positive effects on native and invasive beneficiary plants in an alpine ecosystem. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2015 , 17, 218-226 | 3 | 27 |
| 54 | <i>Poa annua</i> L. in the maritime Antarctic: an overview. <i>Polar Record</i> , 2015 , 51, 637-643 | 0.5 | 37 |
| 53 | Antarctic macrolichen modifies microclimate and facilitates vascular plants in the maritime Antarctica in reply to Casanova-Katny et al. (2014). <i>Journal of Vegetation Science</i> , 2014 , 25, 606-608 | 3.1 | 2 |
| 52 | Antarctic Ecology One Century after the Conquest of the South Pole: How Much Have We Advanced?. <i>BioScience</i> , 2014 , 64, 593-600 | 5.7 | 2 |
| 51 | Quinoa biodiversity and sustainability for food security under climate change. A review. <i>Agronomy for Sustainable Development</i> , 2014 , 34, 349-359 | 6.8 | 161 |
| 50 | Hongos endófitos antárticos como herramienta para la reintroducción de especies nativas en zonas frías. <i>Bosque</i> , 2014 , 35, 235-239 | 0.8 | 10 |
| 49 | Induced twining in <i>Ipomoea purpurea</i> (L.) Roth.: response threshold and induction by volatiles and snail damage. <i>Gayana - Botanica</i> , 2014 , 71, 181-187 | 1.1 | 4 |
| 48 | Assessing the importance of human activities for the establishment of the invasive <i>Poa annua</i> in Antarctica. <i>Polar Research</i> , 2014 , 33, 214-25 | 2 | 32 |
| 47 | Genetic diversity of <i>Colobanthus quitensis</i> across the Drake Passage. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2014 , 12, 147-150 | 1 | 8 |
| 46 | Positive interactions between the lichen <i>Usnea antarctica</i> (Parmeliaceae) and the native flora in Maritime Antarctica. <i>Journal of Vegetation Science</i> , 2013 , 24, 463-472 | 3.1 | 22 |
| 45 | Seabirds modify El Niño effects on tree growth in a southern Pacific island. <i>Ecology</i> , 2013 , 94, 2415-25 | 4.6 | 5 |
| 44 | Ecophysiological plasticity and local differentiation help explain the invasion success of <i>Taraxacum officinale</i> (dandelion) in South America. <i>Ecography</i> , 2013 , 36, 718-730 | 6.5 | 23 |
| 43 | Trends in Antarctic ecological research in Latin America shown by publications in international journals. <i>Polar Research</i> , 2013 , 32, 199-93 | 2 | 0 |
| 42 | Is physiological performance a good predictor for fitness? Insights from an invasive plant species. <i>PLoS ONE</i> , 2013 , 8, e76432 | 3.7 | 19 |
| 41 | WITHIN-POPULATION GENETIC DIVERSITY OF CLIMBING PLANTS AND TREES IN A TEMPERATE FOREST IN CENTRAL CHILE. <i>Gayana - Botanica</i> , 2013 , 70, 36-43 | 1.1 | 5 |
| 40 | The trade-off between cold resistance and growth determines the <i>Nothofagus pumilio</i> treeline. <i>Plant Ecology</i> , 2012 , 213, 133-142 | 1.7 | 18 |

| | | | |
|----|---|-----|-----|
| 39 | Higher plasticity in ecophysiological traits enhances the performance and invasion success of <i>Taraxacum officinale</i> (dandelion) in alpine environments. <i>Biological Invasions</i> , 2012 , 14, 21-33 | 2.7 | 55 |
| 38 | Occurrence of the non-native annual bluegrass on the Antarctic mainland and its negative effects on native plants. <i>Conservation Biology</i> , 2012 , 26, 717-23 | 6 | 77 |
| 37 | Respuestas antioxidantes en dos ecotipos de <i>Colobanthus quitensis</i> (Caryophyllaceae) expuestos a alta radiaci3n UV-B y baja temperatura. <i>Revista Chilena De Historia Natural</i> , 2012 , 85, 419-433 | 1.8 | 7 |
| 36 | Impact of mycorrhizae and irrigation in the survival of seedlings of <i>Pinus radiata</i> D. Don subject to drought. <i>Gayana - Botanica</i> , 2012 , 69, 296-304 | 1.1 | 6 |
| 35 | Plasticidad fenot3pica en dos poblaciones aut3cticas de <i>Colobanthus quitensis</i> (Caryophyllaceae) bajo un escenario simulado de cambio global. <i>Gayana - Botanica</i> , 2012 , 69, 152-160 | 1.1 | 15 |
| 34 | Can a breakdown in competition3olonization tradeoffs help explain the success of exotic species in the California flora?. <i>Oikos</i> , 2012 , 121, 389-395 | 4 | 14 |
| 33 | Latitudinal patterns in phenotypic plasticity and fitness-related traits: assessing the climatic variability hypothesis (CVH) with an invasive plant species. <i>PLoS ONE</i> , 2012 , 7, e47620 | 3.7 | 86 |
| 32 | Linking Climatic Variability with Spatial Performance in Two Varieties of Quinoa Distributed in a Semi-Arid Zone. <i>American Journal of Plant Sciences</i> , 2012 , 03, 1682-1687 | 0.5 | 2 |
| 31 | Functional differences in response to drought in the invasive <i>Taraxacum officinale</i> from native and introduced alpine habitat ranges. <i>Plant Ecology and Diversity</i> , 2011 , 4, 37-44 | 2.2 | 19 |
| 30 | Variation in salinity tolerance of four lowland genotypes of quinoa (<i>Chenopodium quinoa</i> Willd.) as assessed by growth, physiological traits, and sodium transporter gene expression. <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 1333-41 | 5.4 | 114 |
| 29 | Variaci3n altitudinal de los atributos morfo-fisiol3gicos en dos especies de plantas alto-andinas y sus implicancias contra la fotoinhibici3n. <i>Gayana - Botanica</i> , 2010 , 67, | 1.1 | 13 |
| 28 | Phenotypic plasticity and performance of <i>Taraxacum officinale</i> (dandelion) in habitats of contrasting environmental heterogeneity. <i>Biological Invasions</i> , 2010 , 12, 2277-2284 | 2.7 | 34 |
| 27 | Insights into the relationship between the h-index and self-citations. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 1283-1285 | | 16 |
| 26 | Does global warming induce segregation among alien and native beetle species in a mountain-top?. <i>Ecological Research</i> , 2009 , 24, 31-36 | 1.9 | 16 |
| 25 | Small-scale disturbances spread along trophic chains: leaf-cutting ant nests, plants, aphids, and tending ants. <i>Ecological Research</i> , 2009 , 24, 139-145 | 1.9 | 12 |
| 24 | Alpine dandelions originated in the native and introduced range differ in their responses to environmental constraints. <i>Ecological Research</i> , 2009 , 24, 175-183 | 1.9 | 19 |
| 23 | Do heat and smoke increase emergence of exotic and native plants in the matorral of central Chile?. <i>Acta Oecologica</i> , 2009 , 35, 335-340 | 1.7 | 24 |
| 22 | Water availability limits tolerance of apical damage in the Chilean tarweed <i>Madia sativa</i> . <i>Acta Oecologica</i> , 2008 , 34, 104-110 | 1.7 | 28 |

| | | | |
|----|---|-----|-----|
| 21 | Positive interactions among plant species for pollinator service: assessing the "magnet species" concept with invasive species. <i>Oikos</i> , 2008 , 117, 1833-1839 | 4 | 91 |
| 20 | Facilitation of the non-native <i>Taraxacum officinale</i> by native nurse cushion species in the high Andes of central Chile: are there differences between nurses?. <i>Functional Ecology</i> , 2007 , 22, 070917205248001-??? | 5.6 | 23 |
| 19 | Leaf litter of <i>Kageneckia angustifolia</i> D. Don (Rosaceae) inhibits seed germination in sclerophyllous montane woodlands of central Chile. <i>Plant Ecology</i> , 2007 , 190, 13-22 | 1.7 | 26 |
| 18 | Microclimatic Modifications of Cushion Plants and Their Consequences for Seedling Survival of Native and Non-native Herbaceous Species in the High Andes of Central Chile. <i>Arctic, Antarctic, and Alpine Research</i> , 2007 , 39, 229-236 | 1.8 | 170 |
| 17 | Interactive effects of leaf damage, light intensity and support availability on chemical defenses and morphology of a twining vine. <i>Journal of Chemical Ecology</i> , 2007 , 33, 95-103 | 2.7 | 17 |
| 16 | Cushion Plants as Microclimatic Shelters for Two Ladybird Beetles Species in Alpine Zone of Central Chile. <i>Arctic, Antarctic, and Alpine Research</i> , 2006 , 38, 224-227 | 1.8 | 34 |
| 15 | Leaf trichome density may explain herbivory patterns of <i>Actinote</i> sp. (Lepidoptera: Acraeidae) on <i>Liabum mandonii</i> (Asteraceae) in a montane humid forest (Nor Yungas, Bolivia). <i>Acta Oecologica</i> , 2006 , 30, 147-150 | 1.7 | 20 |
| 14 | EFFECT OF DENSITY AND FLOWER SIZE ON THE REPRODUCTIVE SUCCESS OF NOTHOSCORDUM GRAMINUM (ALLIACEAE). <i>Gayana - Botanica</i> , 2006 , 63, 93 | 1.1 | 7 |
| 13 | Positive interactions between alpine plant species and the nurse cushion plant <i>Laretia acaulis</i> do not increase with elevation in the Andes of central Chile. <i>New Phytologist</i> , 2006 , 169, 59-69 | 9.8 | 248 |
| 12 | Photosynthetic performance of <i>Colobanthus quitensis</i> (Kunth) Bartl. (Caryophyllaceae) in a high-elevation site of the Andes of central Chile. <i>Revista Chilena De Historia Natural</i> , 2006 , 79, | 1.8 | 13 |
| 11 | Slope aspect influences plant association patterns in the Mediterranean matorral of central Chile. <i>Journal of Arid Environments</i> , 2005 , 62, 93-108 | 2.5 | 98 |
| 10 | Nurse effect of the native cushion plant <i>Azorella monantha</i> on the invasive non-native <i>Taraxacum officinale</i> in the high-Andes of central Chile. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2005 , 7, 217-226 | 3 | 120 |
| 9 | Leaf damage induces twining in a climbing plant. <i>New Phytologist</i> , 2005 , 167, 385-9 | 9.8 | 14 |
| 8 | Positive associations between macroalgal species in a rocky intertidal zone and their effects on the physiological performance of <i>Ulva lactuca</i> . <i>Marine Ecology - Progress Series</i> , 2005 , 292, 173-180 | 2.6 | 25 |
| 7 | Efectos de la planta en cojín <i>Oreopolus glacialis</i> (Rubiaceae) sobre la riqueza y diversidad de especies en una comunidad alto-andina de Chile central. <i>Revista Chilena De Historia Natural</i> , 2002 , 75, 757 | 1.8 | 21 |
| 6 | Nurse effect of <i>Bolax gummifera</i> cushion plants in the alpine vegetation of the Chilean Patagonian Andes. <i>Journal of Vegetation Science</i> , 2002 , 13, 547-554 | 3.1 | 142 |
| 5 | Nurse effect of <i>Bolax gummifera</i> cushion plants in the alpine vegetation of the Chilean Patagonian Andes. <i>Journal of Vegetation Science</i> , 2002 , 13, 547 | 3.1 | 13 |
| 4 | Variation in phenology and overall performance traits can help to explain the plant invasion process amongst Mediterranean ecosystems. <i>NeoBiota</i> , 41 , 67-89 | 4.2 | 6 |

- 3 Increasing impacts by Antarctica's most widespread invasive plant species as result of direct competition with native vascular plants. *NeoBiota*, 51, 19-40 4.2 10
- 2 Root fungal endophytes improve the growth of antarctic plants through an enhanced nitrogen acquisition 2
- 1 Root endophytes improve physiological performance and yield in crops under salt stress by up-regulating the foliar sodium concentration 3