# Moshe Sagi

List of Publications by Year
in descending order

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Version: 2024-02-01

| 72 | 4,936 | 117453 | 95083 |
|---|---|---|---|
| papers | citations | 34 h-index | 68 g-index |

| 77 | 77 | 77 | 4983 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ureides are accumulated similarly in response to UV-C irradiation and wounding in Arabidopsis leaves but are remobilized differently during recovery. Journal of Experimental Botany, 2022, 73, 1016-1032. | 2.4 | 9 |
| 2 | Doubleâ€stranded RNA targeting fungal ergosterol biosynthesis pathway controls Botrytis cinerea and postharvest grey mould. Plant Biotechnology Journal, 2022, 20, 226-237. | 4.1 | 25 |
| 3 | Active O-acetylserine-(thiol) lyase A and B confer improved selenium resistance and degrade<scp>l</scp>-Cys and<scp>l</scp>-SeCys in Arabidopsis. Journal of Experimental Botany, 2022, 73, 2525-2539. | 2.4 | 11 |
| 4 | The Effect of Topo-Climate Variation on the Secondary Metabolism of Berries in White Grapevine Varieties (Vitis vinifera). Frontiers in Plant Science, 2022, 13, 847268. | 1.7 | 2 |
| 5 | Level of Sulfite Oxidase Activity Affects Sulfur and Carbon Metabolism in Arabidopsis. Frontiers in Plant Science, 2021, 12, 690830. | 1.7 | 10 |
| 6 | Adenosine 5â€² phosphosulfate reductase and sulfite oxidase regulate sulfite-induced water loss in Arabidopsis. Journal of Experimental Botany, 2021, 72, 6447-6466. | 2.4 | 13 |
| 7 | Arabidopsis aldehyde oxidase 3, known to oxidize abscisic aldehyde to abscisic acid, protects leaves from aldehyde toxicity. Plant Journal, 2021, 108, 1439-1455. | 2.8 | 16 |
| 8 | A Review on Sarcocornia Species: Ethnopharmacology, Nutritional Properties, Phytochemistry, Biological Activities and Propagation. Foods, 2021, 10, 2778. | 1.9 | 15 |
| 9 | Sulfite Oxidase Activity Level Determines the Sulfite Toxicity Effect in Leaves and Fruits of Tomato Plants. Agronomy, 2020, 10, 694. | 1.3 | 5 |
| 10 | Effect of Salinity and Nitrogen Sources on the Leaf Quality, Biomass, and Metabolic Responses of Two Ecotypes of Portulaca oleracea. Agronomy, 2020, 10, 656. | 1.3 | 21 |
| 11 | Combined network analysis and machine learning allows the prediction of metabolic pathways from tomato metabolomics data. Communications Biology, 2019, 2, 214. | 2.0 | 53 |
| 12 | Early Senescence in Older Leaves of Low Nitrate-Grown Atxdh1 Uncovers a Role for Purine Catabolism in N Supply. Plant Physiology, 2018, 178, 1027-1044. | 2.3 | 41 |
| 13 | Zinc oxide nanoparticles phytotoxicity on halophyte from genus Salicornia. Plant Physiology and Biochemistry, 2018, 130, 30-42. | 2.8 | 28 |
| 14 | Differential influence of molybdenum and tungsten on the growth of barley seedlings and the activity of aldehyde oxidase under salinity. Journal of Plant Physiology, 2018, 228, 189-196. | 1.6 | 9 |
| 15 | The effect of presowing saturation with molybdatenum and presence of nitrate on the allantoin content in sprouted wheat grain. International Journal of Biology and Chemistry, 2018, 11, 41-48. | 0.3 | 0 |
| 16 | The Bactec FX Blood Culture System Detects Brucella melitensis Bacteremia in Adult Patients within the Routine 1-Week Incubation Period. Journal of Clinical Microbiology, 2017, 55, 942-946. | 1.8 | 22 |
| 17 | Aldehyde Oxidase 4 Plays a Critical Role in Delaying Silique Senescence by Catalyzing Aldehyde Detoxification. Plant Physiology, 2017, 173, 1977-1997. | 2.3 | 46 |
| 18 | Determination of Enzymes Associated with Sulfite Toxicity in Plants: Kinetic Assays for SO, APR, SiR, and In-Gel SiR Activity. Methods in Molecular Biology, 2017, 1631, 229-251. | 0.4 | 0 |

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|---|---|---|---|
| 19 | Higher Novel L-Cys Degradation Activity Results in Lower Organic-S and Biomass in Sarcocornia than the Related Saltwort, Salicornia. Plant Physiology, 2017, 175, 272-289. | 2.3 | 12 |
| 20 | Determination of Total Sulfur, Sulfate, Sulfite, Thiosulfate, and Sulfolipids in Plants. Methods in Molecular Biology, 2017, 1631, 253-271. | 0.4 | 9 |
| 21 | Superoxide generated from the glutathione-mediated reduction of selenite damages the iron-sulfur cluster of chloroplastic ferredoxin. Plant Physiology and Biochemistry, 2016, 106, 228-235. | 2.8 | 25 |
| 22 | Sulfite Oxidase Activity Is Essential for Normal Sulfur, Nitrogen and Carbon Metabolism in Tomato Leaves. Plants, 2015, 4, 573-605. | 1.6 | 22 |
| 23 | Molybdenum application enhances adaptation of crested wheatgrass to salinity stress. Acta Physiologiae Plantarum, 2015, 37, 1. | 1.0 | 16 |
| 24 | The development of halophyte-based agriculture: past and present. Annals of Botany, 2015, 115, 529-540. | 1.4 | 203 |
| 25 | Effects of salinity on flowering, morphology, biomass accumulation and leaf metabolites in an edible halophyte. AoB PLANTS, 2014, 6, plu053-plu053. | 1.2 | 59 |
| 26 | Impairment in Sulfite Reductase Leads to Early Leaf Senescence in Tomato Plants Â Â. Plant Physiology, 2014, 165, 1505-1520. | 2.3 | 51 |
| 27 | Constructed wetland with Salicornia as a biofilter for mariculture effluents. Aquaculture, 2013, 412-413, 52-63. | 1.7 | 82 |
| 28 | Halophyte crop cultivation: The case for Salicornia and Sarcocornia. Environmental and Experimental Botany, 2013, 92, 144-153. | 2.0 | 239 |
| 29 | The importance of iron supply during repetitive harvesting of Aster tripolium. Functional Plant Biology, 2013, 40, 968. | 1.1 | 21 |
| 30 | Sulfite Reductase Protects Plants against Sulfite Toxicity Â Â. Plant Physiology, 2013, 161, 725-743. | 2.3 | 78 |
| 31 | An Essential Role for Tomato Sulfite Oxidase and Enzymes of the Sulfite Network in Maintaining Leaf Sulfite Homeostasis Â Â. Plant Physiology, 2012, 161, 148-164. | 2.3 | 70 |
| 32 | A Novel In-Gel Assay and an Improved Kinetic Assay for Determining In Vitro Sulfite Reductase Activity in Plants. Plant and Cell Physiology, 2012, 53, 1507-1516. | 1.5 | 27 |
| 33 | Kinetic Assays for Determining In Vitro APS Reductase Activity in Plants without the Use of Radioactive Substances. Plant and Cell Physiology, 2012, 53, 1648-1658. | 1.5 | 19 |
| 34 | The determination of sulfite levels and its oxidation in plant leaves. Plant Science, 2012, 190, 123-130. | 1.7 | 48 |
| 35 | Effect of seawater concentration on the productivity and nutritional value of annual Salicornia and perennial Sarcocornia halophytes as leafy vegetable crops. Scientia Horticulturae, 2011, 128, 189-196. | 1.7 | 169 |
| 36 | Effects of day length on flowering and yield production of Salicornia and Sarcocornia species. Scientia Horticulturae, 2011, 130, 510-516. | 1.7 | 52 |

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|---|---|---|---|
| 37 | Molybdenum as an essential element for improving total yield in seawater-grown Salicornia europaea L.. Scientia Horticulturae, 2010, 126, 395-401. | 1.7 | 28 |
| 38 | Ammonium Secretion by Colletotrichum coccodes Activates Host NADPH Oxidase Activity Enhancing Host Cell Death and Fungal Virulence in Tomato Fruits. Molecular Plant-Microbe Interactions, 2009, 22, 1484-1491. | 1.4 | 65 |
| 39 | A critical role for ureides in dark and senescenceâ€induced purine remobilization is unmasked in the Atxdh1 Arabidopsis mutant. Plant Journal, 2008, 54, 496-509. | 2.8 | 165 |
| 40 | Formation of xanthine and the use of purine metabolites as a nitrogen source in Arabidopsis plants. Plant Signaling and Behavior, 2008, 3, 999-1001. | 1.2 | 33 |
| 41 | Diverse Subcellular Locations of Cryptogein-Induced Reactive Oxygen Species Production in Tobacco Bright Yellow-2 Cells. Plant Physiology, 2007, 143, 1817-1826. | 2.3 | 133 |
| 42 | Sulfite oxidase protects plants against sulfur dioxide toxicity. Plant Journal, 2007, 50, 696-709. | 2.8 | 127 |
| 43 | Production of Reactive Oxygen Species by Plant NADPH Oxidases. Plant Physiology, 2006, 141, 336-340. | 2.3 | 730 |
| 44 | Irrigation of grapevines with saline water. Agricultural Water Management, 2006, 83, 13-21. | 2.4 | 96 |
| 45 | Grapevine Irrigation with Saline Water: Effect of Rootstocks on Quality and Yield of Cabernet Sauvignon. Journal of Plant Nutrition, 2006, 29, 783-795. | 0.9 | 19 |
| 46 | The plant Mo-hydroxylases aldehyde oxidase and xanthine dehydrogenase have distinct reactive oxygen species signatures and are induced by drought and abscisic acid. Plant Journal, 2005, 42, 862-876. | 2.8 | 157 |
| 47 | Effects of timing and duration of brackish irrigation water on fruit yield and quality of late summer melons. Agricultural Water Management, 2005, 74, 123-134. | 2.4 | 35 |
| 48 | Plant Respiratory Burst Oxidase Homologs Impinge on Wound Responsiveness and Development in Lycopersicon esculentum Â[W]. Plant Cell, 2004, 16, 616-628. | 3.1 | 248 |
| 49 | Wild barley eibi1 mutation identifies a gene essential for leaf water conservation. Planta, 2004, 219, 684-93. | 1.6 | 40 |
| 50 | Hydrogen peroxide is a common signal for darkness- and ABA-induced stomatal closure in Pisum sativum. Functional Plant Biology, 2004, 31, 913. | 1.1 | 114 |
| 51 | Effects of saline irrigation water and heat waves on potato production in an arid environment. Field Crops Research, 2004, 90, 275-285. | 2.3 | 41 |
| 52 | The effect of molybdate and tungstate in the growth medium on abscisic acid content and the Mo-hydroxylases activities in barley (Hordeum vulgare L.). Plant Science, 2004, 167, 297-304. | 1.7 | 34 |
| 53 | Control of plant growth resides in the shoot, and not in the root, in reciprocal grafts of flacca and wild-type tomato (Lysopersicon esculentum), in the presence and absence of salinity stress. Plant and Soil, 2003, 256, 205-215. | 1.8 | 54 |
| 54 | Comparison of growth of flacca and wild-type tomato grown under conditions diminishing their differences in stomatal control. Plant Science, 2003, 164, 753-757. | 1.7 | 17 |

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|---|---|---|---|
| 55 | Biomass production, transpiration rate and endogenous abscisic acid levels in grafts of flacca and wild-type tomato (Lycopersicon esculentum). Functional Plant Biology, 2002, 29, 1329. | 1.1 | 20 |
| 56 | Cracking of cherry tomatoes in solution. Postharvest Biology and Technology, 2002, 26, 305-312. | 2.9 | 48 |
| 57 | The absence of molybdenum cofactor sulfuration is the primary cause of the flacca phenotype in tomato plants. Plant Journal, 2002, 31, 305-317. | 2.8 | 109 |
| 58 | Superoxide Production by Plant Homologues of the gp91phox NADPH Oxidase. Modulation of Activity by Calcium and by Tobacco Mosaic Virus Infection. Plant Physiology, 2001, 126, 1281-1290. | 2.3 | 551 |
| 59 | Aldehyde Oxidase and Xanthine Dehydrogenase in aflacca Tomato Mutant with Deficient Abscisic Acid and Wilty Phenotype1. Plant Physiology, 1999, 120, 571-578. | 2.3 | 96 |
| 60 | Response of tomato plants to saline water as affected by carbon dioxide supplementation. I. Growth, yield and fruit quality. Journal of Horticultural Science and Biotechnology, 1999, 74, 232-237. | 0.9 | 15 |
| 61 | The Mo-hydroxylases xanthine dehydrogenase and aldehyde oxidase in ryegrass as affected by nitrogen and salinity. Plant Science, 1998, 135, 125-135. | 1.7 | 75 |
| 62 | The levels of nitrate reductase and MoCo in annual ryegrass as affected by nitrate and ammonium nutrition. Plant Science, 1998, 135, 17-24. | 1.7 | 19 |
| 63 | Carbohydrate metabolism in leaves and assimilate partitioning in fruits of tomato (Lycopersicon) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.7 | 107 |
| 64 | Regulation of aldehyde oxidase and nitrate reductase in roots of barley (Hordeum vulgare L.) by nitrogen source and salinity. Journal of Experimental Botany, 1998, 49, 897-902. | 2.4 | 49 |
| 65 | Nitrate reductase, phosphoenolpyruvate carboxylase, and glutamine synthetase in annual ryegrass as affected by salinity and nitrogen. Journal of Plant Nutrition, 1998, 21, 707-723. | 0.9 | 26 |
| 66 | Nitrate reductase and molybdenum cofactor in annual ryegrass as affected by salinity and nitrogen source. Physiologia Plantarum, 1997, 99, 546-553. | 2.6 | 4 |
| 67 | Ionic balance, biomass production, and organic nitrogen as affected by salinity and nitrogen source in annual ryegrass. Journal of Plant Nutrition, 1997, 20, 1291-1316. | 0.9 | 36 |
| 68 | Molybdenum cofactor biosynthesis in two barley (Hordeum vulgare L.) genotypes as affected by nitrate in the tissue and in the growth medium. Plant Science, 1997, 122, 51-59. | 1.7 | 10 |
| 69 | Nitrate reductase and molybdenum cofactor in annual ryegrass as affected by salinity and nitrogen source. Physiologia Plantarum, 1997, 99, 546-553. | 2.6 | 59 |
| 70 | Doubleâ€Emitter Source (DES) for Irrigation Experiments in Salinity and Fertilization. Agronomy Journal, 1996, 88, 987-990. | 0.9 | 7 |
| 71 | Irrigation with brackish water under desert conditions XI. Salt tolerance in sweet-corn cultivars. Agricultural Water Management, 1995, 28, 325-334. | 2.4 | 13 |
| 72 | Regulation of aldehyde oxidase and nitrate reductase in roots of barley (Hordeum vulgare L.) by nitrogen source and salinity. , 0, . | | 20 |