

Zoltan Patak

List of Publications by Year in descending order

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docs citations

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Effect of Individual and Selected Combined Treatments With Saline Solutions and Spent Engine Oil on the Processing Attributes and Functional Quality of Tomato (<i>Solanum lycopersicon</i> L.) Fruit: In Memory of Professor Leila Ben Jaballah Radhouane (1958â€“2021). <i>Frontiers in Nutrition</i> , 2022, 9, 844162. | 3.7 | 4 |
| 2 | Assessment of The Phenolic and Flavonoid Content in Certain Globe Artichoke (<i>Cynara scolymus</i> L.) Cultivars Grown in Northern Tunisia. <i>Turkish Journal of Agriculture: Food Science and Technology</i> , 2022, 10, 1125-1129. | 0.3 | 0 |
| 3 | Impact of Plant Growth-Promoting Rhizobacteria Inoculation on the Physiological Response and Productivity Traits of Field-Grown Tomatoes in Hungary. <i>Horticulturae</i> , 2022, 8, 641. | 2.8 | 6 |
| 4 | Effect of Water Supply on Physiological Response and Phytonutrient Composition of Chili Peppers. <i>Water (Switzerland)</i> , 2021, 13, 1284. | 2.7 | 2 |
| 5 | Effect of net shading technology on the yield quality and quantity of chilli pepper under greenhouse cultivation. <i>Agrártudományi Közlemények</i> , 2021, , 5-9. | 0.3 | 3 |
| 6 | Effect of different production types on the yield and β -carotene content of sweet potato /cultivar Ásotthalmi- 12/. <i>Agrártudományi Közlemények</i> , 2021, , 45-49. | 0.3 | 1 |
| 7 | Content and response to γ -irradiation before over-ripening of capsaicinoid, carotenoid, and tocopherol in new hybrids of spice chili peppers. <i>LWT - Food Science and Technology</i> , 2021, 147, 111555. | 5.2 | 7 |
| 8 | Analysis of the Phytochemical Composition of Pomegranate Fruit Juices, Peels and Kernels: A Comparative Study on Four Cultivars Grown in Southern Italy. <i>Plants</i> , 2021, 10, 2521. | 3.5 | 16 |
| 9 | Performance Evaluation of AquaCrop Model in Processing Tomato Biomass, Fruit Yield and Water Stress Indicator Modelling. <i>Water (Switzerland)</i> , 2021, 13, 3587. | 2.7 | 5 |
| 10 | Pre- and Post-harvest Factors Affecting Glucosinolate Content in Broccoli. <i>Frontiers in Nutrition</i> , 2020, 7, 147. | 3.7 | 38 |
| 11 | Influence of Water Stress Levels on the Yield and Lycopene Content of Tomato. <i>Water (Switzerland)</i> , 2020, 12, 2165. | 2.7 | 28 |
| 12 | Effect of mycorrhizal inoculations on physiological traits and bioactive compounds of tomato under water scarcity in field conditions. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020, 48, 1233-1247. | 1.1 | 7 |
| 13 | Effect of plant growth promoting Rhizobacteria (PGPRS) on yield and quality of processing tomato under water deficiency. <i>Agrártudományi Közlemények</i> , 2020, , 19-22. | 0.3 | 0 |
| 14 | impact of cultivar and irrigation on yield, leaf surface temperature and SPAD readings of chili pepper. <i>Agrártudományi Közlemények</i> , 2020, , 103-108. | 0.3 | 0 |
| 15 | Physiological Factors and their Relationship with the Productivity of Processing Tomato under Different Water Supplies. <i>Water (Switzerland)</i> , 2019, 11, 586. | 2.7 | 53 |
| 16 | Organically grown high-lycopene tomatoes: a novel adventure within functional quality. <i>Acta Horticulturae</i> , 2019, , 67-72. | 0.2 | 5 |
| 17 | Comparison of a water supply model with six seasons of cherry type processing tomato. <i>Acta Horticulturae</i> , 2019, , 41-46. | 0.2 | 4 |
| 18 | Heat stress detection in tomato under different irrigation treatments. <i>Acta Horticulturae</i> , 2019, , 47-52. | 0.2 | 4 |

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|----|--|-----|-----------|
| 19 | The simultaneous effect of water stress and biofertilizer on physiology and quality of processing tomato. <i>Acta Horticulturae</i> , 2019, , 53-60. | 0.2 | 2 |
| 20 | Variable Rate Precision Irrigation Technology for Deficit Irrigation of Processing Tomato. <i>Irrigation and Drainage</i> , 2019, 68, 234-244. | 1.7 | 10 |
| 21 | Effect of water supply on the water use-related physiological traits and yield of snap beans in dry seasons. <i>Irrigation Science</i> , 2018, 36, 143-158. | 2.8 | 14 |
| 22 | The effect of plant growth-promoting rhizobacteria on yield, water use efficiency and Brix Degree of processing tomato. <i>Plant, Soil and Environment</i> , 2018, 64, 523-529. | 2.2 | 9 |
| 23 | The Effect of Plant Growth Promoting Rhizobacteria on the Water-yield Relationship and Carotenoid Production of Processing Tomatoes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 816-822. | 1.0 | 19 |
| 24 | Mycorrhizal Inoculation Alleviates Water Deficit Impact on Field-Grown Processing Tomato. <i>Polish Journal of Environmental Studies</i> , 2018, 27, 1949-1958. | 1.2 | 19 |
| 25 | Application of VIS-NIR reflectance spectra for estimating soluble solid and lycopene content of open-field processing tomato fruit juice from irrigation and mycorrhiza treatments. <i>Acta Horticulturae</i> , 2017, , 73-78. | 0.2 | 3 |
| 26 | Simultaneous effect of mycorrhizae and water supply on yield formation of processing tomato. <i>Acta Horticulturae</i> , 2017, , 31-36. | 0.2 | 2 |
| 27 | Seasonal and irrigation effect on yield parameters and soluble solids content of processing cherry tomato. <i>Acta Horticulturae</i> , 2017, , 45-50. | 0.2 | 5 |
| 28 | Influence of colour net shading on quantity and quality of sweet pepper yield. <i>Acta Horticulturae</i> , 2017, , 359-364. | 0.2 | 2 |
| 29 | Impact of Shading Net Color on Phytochemical Contents in Two Chili Pepper Hybrids Cultivated Under Greenhouse Conditions. <i>Horticultural Science and Technology</i> , 2017, 35, . | 0.6 | 5 |
| 30 | DETERMINATION OF CAROTENOIDS IN TOMATO PRODUCTS USING VIS/NIR SPECTROSCOPY. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2017, 7, 27-31. | 0.8 | 13 |
| 31 | YIELD AND QUALITY OF MYCORRHIZED PROCESSING TOMATO UNDER WATER SCARCITY. <i>Applied Ecology and Environmental Research</i> , 2017, 15, 401-413. | 0.5 | 24 |
| 32 | Combined inoculation of arbuscular mycorrhizal fungi, <i>Pseudomonas fluorescens</i> and <i>Trichoderma</i> spp. for enhancing defense enzymes and yield of three pepper cultivars. <i>Applied Ecology and Environmental Research</i> , 2017, 15, 1815-1829. | 0.5 | 26 |
| 33 | THE EFFECT OF WATER AVAILABILITY ON SHOOT AND CULM PROPERTIES OF A DEVELOPING PHYLLOSTACHYS IRIDESCENS GROVE. <i>Applied Ecology and Environmental Research</i> , 2017, 15, 25-38. | 0.5 | 0 |
| 34 | Effect of coloured shade nets on some nutritional characteristics of a kapia type pepper grown in plastic tunnel. <i>Columella Journal of Agricultural and Environmental Sciences</i> , 2016, 3, . | 0.1 | 3 |
| 35 | EFFECT OF SEASON AND IRRIGATION ON YIELD PARAMETERS AND SOLUBLE SOLIDS CONTENT OF PROCESSING CHERRY TOMATO. <i>Acta Horticulturae</i> , 2015, , 197-202. | 0.2 | 8 |
| 36 | EFFECT OF MYCORRHIZAE ON MAIN ANTIOXIDANT CONTENT OF PROCESSING TOMATO. <i>Acta Horticulturae</i> , 2015, , 105-110. | 0.2 | 2 |

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|----|--|-----|-----------|
| 37 | APPLICATION OF VIS-NIR REFLECTANCE SPECTRA FOR ESTIMATING WATER SUPPLY EFFECT ON OPEN FIELD PROCESSING TOMATO. <i>Acta Horticulturae</i> , 2015, , 191-195. | 0.2 | 2 |
| 38 | Effects of External Coloured Shade Nets on Sweet Peppers Cultivated in Walk-in Plastic Tunnels. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, 398-403. | 1.1 | 18 |
| 39 | Total Antioxidant Capacity and Total Phenolics Content of <i>Phyllostachys</i> Taxa Shoots. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, 64-69. | 1.1 | 13 |
| 40 | Carotenoid determination in tomato juice using near infrared spectroscopy. <i>International Agrophysics</i> , 2015, 29, 275-282. | 1.7 | 20 |
| 41 | Effects of External Coloured Shade Nets on Sweet Peppers Cultivated in Walk-in Plastic Tunnels. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, . | 1.1 | 1 |
| 42 | THE SIMULTANEOUS EFFECT OF HEAT STRESS AND WATER SUPPLY ON TOTAL POLYPHENOL CONTENT OF EGGPLANT. <i>Applied Ecology and Environmental Research</i> , 2015, 13, . | 0.5 | 1 |
| 43 | Total Antioxidant Capacity and Total Phenolics Content of <i>Phyllostachys</i> Taxa Shoots. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, . | 1.1 | 0 |
| 44 | Seasonal Variations in Total Antioxidant Capacity and Total Phenolics Content of Leaves of <i>Phyllostachys</i> Taxa Using Different Extraction Methods. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2014, 42, . | 1.1 | 2 |
| 45 | The Simultaneous Effect of Water Supply and Genotype on Yield Quantity, Antioxidants Content and Composition of Processing Tomatoes. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2014, 42, . | 1.1 | 21 |
| 46 | HPLC Analysis of Carotenoids from Tomatoes Using Cross-Linked C18 Column and MS Detection. <i>Journal of Chromatographic Science</i> , 2014, 52, 985-991. | 1.4 | 40 |
| 47 | Estimation of antioxidant components of tomato using VIS-NIR reflectance data by handheld portable spectrometer. <i>International Agrophysics</i> , 2014, 28, . | 1.7 | 36 |
| 48 | Carotenoid and antioxidant content of ground paprika from indoor-cultivated traditional varieties and new hybrids of spice red peppers. <i>Food Research International</i> , 2014, 65, 231-237. | 6.2 | 28 |
| 49 | Effect of irrigation on yield parameters and antioxidant profiles of processing cherry tomato. <i>Open Life Sciences</i> , 2014, 9, 383-395. | 1.4 | 37 |
| 50 | EFFECT OF WATER SUPPLY ON YIELD CHARACTERISTICS OF PROCESSING CHERRY TOMATO. <i>Acta Horticulturae</i> , 2014, , 587-592. | 0.2 | 2 |
| 51 | Visible reflectance and content of isomeric ratio of lycopene in commercial and elevated lycopene tomato varieties by different technological traits. <i>Acta Alimentaria</i> , 2014, 43, 105-112. | 0.7 | 4 |
| 52 | Effect of environmental conditions and water status on the bioactive compounds of broccoli. <i>Open Life Sciences</i> , 2013, 8, 777-787. | 1.4 | 18 |
| 53 | DIFFERENT WATER SUPPLY AND STOMATAL CONDUCTANCE CORRELATES WITH YIELD QUANTITY AND QUALITY PARAMETERS. <i>Acta Horticulturae</i> , 2013, , 119-125. | 0.2 | 7 |
| 54 | EFFECT OF VARIETY AND WATER SUPPLY ON PHYTOCHEMICAL (PHENOLICS AND CAROTENOIDS) CONTENT AND COMPOSITION OF PROCESSING TOMATO. <i>Acta Horticulturae</i> , 2013, , 93-98. | 0.2 | 4 |

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|----|--|-----|-----------|
| 55 | The simultaneous effect of elevated CO ₂ -level and nitrogen-supply on the fruit components of tomato. <i>Acta Alimentaria</i> , 2012, 41, 265-271. | 0.7 | 7 |
| 56 | TOMATO ANTIOXIDANTS AND YIELD AS AFFECTED BY DIFFERENT WATER SUPPLY. <i>Acta Horticulturae</i> , 2012, , 213-218. | 0.2 | 5 |
| 57 | Yield and Phytochemical Compounds of Broccoli as Affected by Temperature, Irrigation, and Foliar Sulfur Supplementation. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012, 47, 1646-1652. | 1.0 | 13 |
| 58 | CHANGES OF COLOUR PARAMETERS AND ANTIOXIDANTS OF VINE RIPENED TOMATO (LYCOPERSICON) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (lyc | 0.2 | 0 |
| 59 | The effect of water supply for yield formation of processing tomato. <i>Agrártudományi Közlemények</i> , 2012, , 165-168. | 0.3 | 0 |
| 60 | Effect of elevated CO ₂ on lycopene content of tomato (<i>Lycopersicon</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (lyc | 0.7 | 12 |
| 61 | The Effect of Natural Light on Changes in Antioxidant Content and Color Parameters of Vine-ripened Tomato (<i>Solanum lycopersicum</i> L.) Fruits. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 583-585. | 1.0 | 21 |
| 62 | CHANGES IN COLOUR AND ANTIOXIDANTS DURING VINE AND POSTHARVEST RIPENING OF TOMATO FRUIT. <i>Acta Horticulturae</i> , 2010, , 239-242. | 0.2 | 1 |
| 63 | Color Changes and Antioxidant Content of Vine and Postharvest-ripened Tomato Fruits. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 466-468. | 1.0 | 46 |
| 64 | THE EFFECT OF WATER AND POTASSIUM SUPPLEMENT ON YIELD AND LYCOPENE CONTENT OF PROCESSING TOMATO. <i>Acta Horticulturae</i> , 2009, , 103-108. | 0.2 | 9 |
| 65 | Effect of variety and grafting on lycopene content of tomato (<i>Lycopersicon lycopersicum</i> L.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 542 Td (lyc | 0.7 | 37 |
| 66 | Function of the variety technological traits and growing conditions on fruit components of tomato (<i>Lycopersicon Lycopersicum</i> L. Karsten). <i>Acta Alimentaria</i> , 2008, 37, 427-436. | 0.7 | 22 |
| 67 | Effect of natural light on surface temperature and lycopene content of vine ripened tomato fruit. <i>Canadian Journal of Plant Science</i> , 2007, 87, 927-929. | 0.9 | 42 |
| 68 | EFFECT OF ETHREL ON RIPENING DYNAMIC AND LYCOPENE CONTENT IN CASE OF TWO PROCESSING VARIETIES. <i>Acta Horticulturae</i> , 2007, , 275-280. | 0.2 | 1 |
| 69 | Drip irrigation used in processing tomato (<i>Lycopersicon lycopersicum</i> (L.) Karsten) in field culture. <i>Cereal Research Communications</i> , 2007, 35, 1045-1048. | 1.6 | 0 |
| 70 | Effects of rootstock on yield and fruit quality of indeterminate tomato (<i>Lycopersicon</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (lyc | 1.6 | 1 |
| 71 | EFFECT OF THE VARIETY AND GROWING METHODS AS WELL AS CULTIVATION CONDITIONS ON THE COMPOSITION OF TOMATO (LYCOPERSICON LYCOPERSICUM (L.) KARSTEN) FRUIT. <i>Acta Horticulturae</i> , 2006, , 511-516. | 0.2 | 12 |
| 72 | Lycopene content and colour of ripening tomatoes as affected by environmental conditions. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 568-572. | 3.5 | 183 |

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|----|--|-----|-----------|
| 73 | Tomato Fruit Quality and Content Depend on Stage of Maturity. Hortscience: A Publication of the American Society for Horticultural Science, 2006, 41, 1400-1401. | 1.0 | 48 |
| 74 | Analysis of Antioxidant Compounds and Hydroxymethylfurfural in Processing Tomato Cultivars. HortTechnology, 2006, 16, 615-619. | 0.9 | 11 |
| 75 | Effect of grafting on the tomato's yield, quality and main fruit components in spring forcing. Acta Alimentaria, 2005, 34, 453-462. | 0.7 | 62 |
| 76 | The effect of daily temperature on truss flowering rate of tomato. Journal of the Science of Food and Agriculture, 2004, 84, 1671-1674. | 3.5 | 19 |
| 77 | Effects of the growing methods and conditions on the lycopene content of tomato fruits. Acta Alimentaria, 2003, 32, 269-278. | 0.7 | 34 |
| 78 | Effect of irrigation on processing tomato yield and antioxidant components. Türk Tarım Ve Ormancılık Dergisi/Turkish Journal of Agriculture and Forestry, 0, , . | 2.1 | 19 |
| 79 | Prediction of Soluble Solids and Lycopene Content of Processing Tomato Cultivars by Vis-NIR Spectroscopy. Frontiers in Nutrition, 0, 9, . | 3.7 | 5 |