

Antonio Pannico

List of Publications by Year in Descending Order

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

67

papers

868

citations

18

h-index

27

g-index

73

ext. papers

1,260

ext. citations

3.6

avg, IF

4.65

L-index

#	Paper	IF	Citations
67	Effects of a simulated heat wave on growth and photosynthesis of <i>Quercus ilex</i> L. and <i>Arbutus unedo</i> L. seedlings. <i>Acta Horticulturae</i> , 2022 , 725-732	0.3	0
66	Bioactive Compounds and Antioxidant Activity of Lettuce Grown in Different Mixtures of Monogastric-Based Manure With Lunar and Martian Soils.. <i>Frontiers in Nutrition</i> , 2022 , 9, 890786	6.2	0
65	Effects of genotypes, plant density and nitrogen rates on yield and quality of spinach. <i>Acta Horticulturae</i> , 2021 , 223-230	0.3	0
64	Morpho-Physiological Responses and Secondary Metabolites Modulation by Preharvest Factors of Three Hydroponically Grown Genovese Basil Cultivars. <i>Frontiers in Plant Science</i> , 2021 , 12, 671026	6.2	10
63	Mineral and Antioxidant Attributes of <i>Petroselinum crispum</i> at Different Stages of Ontogeny: Microgreens vs. Baby Greens. <i>Agronomy</i> , 2021 , 11, 857	3.6	6
62	Biology and crop production in Space environments: Challenges and opportunities. <i>Life Sciences in Space Research</i> , 2021 , 29, 30-37	2.4	2
61	Ontogenetic Variation in the Mineral, Phytochemical and Yield Attributes of Brassicaceous Microgreens. <i>Foods</i> , 2021 , 10,	4.9	4
60	Divergent Leaf Morpho-Physiological and Anatomical Adaptations of Four Lettuce Cultivars in Response to Different Greenhouse Irradiance Levels in Early Summer Season. <i>Plants</i> , 2021 , 10,	4.5	3
59	Foliar and Root Applications of Vegetal-Derived Protein Hydrolysates Differentially Enhance the Yield and Qualitative Attributes of Two Lettuce Cultivars Grown in Floating System. <i>Agronomy</i> , 2021 , 11, 1194	3.6	11
58	Reducing the Evaporative Demand Improves Photosynthesis and Water Use Efficiency of Indoor Cultivated Lettuce. <i>Agronomy</i> , 2021 , 11, 1396	3.6	5
57	Nutrient Solution Deprivation as a Tool to Improve Hydroponics Sustainability: Yield, Physiological, and Qualitative Response of Lettuce. <i>Agronomy</i> , 2021 , 11, 1469	3.6	7
56	Configuration of greenhouse sweet basil nutritional quality in response to cultivar and growing media. <i>Acta Horticulturae</i> , 2021 , 179-184	0.3	0
55	Nutrient Supplementation Configures the Bioactive Profile and Production Characteristics of Three Brassica L. Microgreens Species Grown in Peat-Based Media. <i>Agronomy</i> , 2021 , 11, 346	3.6	12
54	Productive and Morphometric Traits, Mineral Composition and Secondary Metabolome Components of Borage and Purslane as Underutilized Species for Microgreens Production. <i>Horticulturae</i> , 2021 , 7, 211	2.5	3
53	Protein Hydrolysate Combined with Hydroponics Divergently Modifies Growth and Shuffles Pigments and Free Amino Acids of Carrot and Dill Microgreens. <i>Horticulturae</i> , 2021 , 7, 279	2.5	1
52	Sweet Basil Functional Quality as Shaped by Genotype and Macronutrient Concentration Reciprocal Action. <i>Plants</i> , 2020 , 9,	4.5	9
51	Design of a Module for Cultivation of Tuberous Plants in Microgravity: The ESA Project "Precursor of Food Production Unit" (PFPU). <i>Frontiers in Plant Science</i> , 2020 , 11, 417	6.2	3

50	Mars Regolith Simulant Ameliorated by Compost as in situ Cultivation Substrate Improves Lettuce Growth and Nutritional Aspects. <i>Plants</i> , 2020 , 9,	4.5	9
49	Air Distribution in a Fully-Closed Higher Plant Growth Chamber Impacts Crop Performance of Hydroponically-Grown Lettuce. <i>Frontiers in Plant Science</i> , 2020 , 11, 537	6.2	3
48	Controlled-release fertilizer type and granulated soil activator combination modulate growth and ornamental quality of two bedding plants. <i>Acta Horticulturae</i> , 2020 , 371-378	0.3	1
47	Appraisal of Biodegradable Mulching Films and Vegetal-Derived Biostimulant Application as Eco-Sustainable Practices for Enhancing Lettuce Crop Performance and Nutritive Value. <i>Agronomy</i> , 2020 , 10, 427	3.6	15
46	Selenium Biofortification Impacts the Nutritive Value, Polyphenolic Content, and Bioactive Constitution of Variable Microgreens Genotypes. <i>Antioxidants</i> , 2020 , 9,	7.1	33
45	Geo-mineralogical characterisation of Mars simulant MMS-1 and appraisal of substrate physico-chemical properties and crop performance obtained with variable green compost amendment rates. <i>Science of the Total Environment</i> , 2020 , 720, 137543	10.2	6
44	Appraisal of Combined Applications of <i>Trichoderma virens</i> and a Biopolymer-Based Biostimulant on Lettuce Agronomical, Physiological, and Qualitative Properties under Variable N Regimes. <i>Agronomy</i> , 2020 , 10, 196	3.6	35
43	Dataset on the organic acids, sulphate, total nitrogen and total chlorophyll contents of two lettuce cultivars grown hydroponically using nutrient solutions of variable macrocation ratios. <i>Data in Brief</i> , 2020 , 29, 105135	1.2	4
42	Coniferous wood biochar as substrate component of two containerized Lavender species: Effects on morpho-physiological traits and nutrients partitioning. <i>Scientia Horticulturae</i> , 2020 , 267, 109356	4.1	13
41	Growth and quality response of potted ornamental shrubs under salt stress. <i>Acta Horticulturae</i> , 2020 , 861-868	0.3	2
40	Influence of priming methods on seed germinability and transplants performance in six vegetable species. <i>Acta Horticulturae</i> , 2020 , 297-304	0.3	1
39	Nutritional stress suppresses nitrate content and positively impacts ascorbic acid concentration and phenolic acids profile of lettuce microgreens. <i>Italus Hortus</i> , 2020 , 27, 41-52	4	11
38	Improved Porosity of Insect Proof Screens Enhances Quality Aspects of Zucchini Squash without Compromising the Yield. <i>Plants</i> , 2020 , 9,	4.5	6
37	Understanding the Morpho-Anatomical, Physiological, and Functional Response of Sweet Basil to Isosmotic Nitrate to Chloride Ratios. <i>Biology</i> , 2020 , 9,	4.9	10
36	Shading Affects Yield, Elemental Composition and Antioxidants of Perennial Wall Rocket Crops Grown from Spring to Summer in Southern Italy. <i>Plants</i> , 2020 , 9,	4.5	7
35	GreenCube: microgreens cultivation and growth monitoring on-board a 3U CubeSat 2020 ,		2
34	Endophytic fungi induce salt stress tolerance in greenhouse-grown basil. <i>Acta Horticulturae</i> , 2020 , 125-133,		0
33	The Metabolic Reprogramming Induced by Sub-Optimal Nutritional and Light Inputs in Soilless Cultivated Green and Red Butterhead Lettuce. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13

32	The bioactive profile of lettuce produced in a closed soilless system as configured by combinatorial effects of genotype and macrocation supply composition. <i>Food Chemistry</i> , 2020 , 309, 125713	8.5	26
31	Phenolic Constitution, Phytochemical and Macronutrient Content in Three Species of Microgreens as Modulated by Natural Fiber and Synthetic Substrates. <i>Antioxidants</i> , 2020 , 9,	7.1	28
30	Variation in Macronutrient Content, Phytochemical Constitution and Antioxidant Capacity of Green and Red Butterhead Lettuce Dictated by Different Developmental Stages of Harvest Maturity. <i>Antioxidants</i> , 2020 , 9,	7.1	21
29	Morphological and Physiological Responses Induced by Protein Hydrolysate-Based Biostimulant and Nitrogen Rates in Greenhouse Spinach. <i>Agronomy</i> , 2019 , 9, 450	3.6	41
28	Morpho-physiological and homeostatic adaptive responses triggered by omeprazole enhance lettuce tolerance to salt stress. <i>Scientia Horticulturae</i> , 2019 , 249, 22-30	4.1	14
27	Biostimulant Application with a Tropical Plant Extract Enhances <i>Corchorus olitorius</i> Adaptation to Sub-Optimal Nutrient Regimens by Improving Physiological Parameters. <i>Agronomy</i> , 2019 , 9, 249	3.6	33
26	Iron Biofortification of Red and Green Pigmented Lettuce in Closed Soilless Cultivation Impacts Crop Performance and Modulates Mineral and Bioactive Composition. <i>Agronomy</i> , 2019 , 9, 290	3.6	22
25	Biochemical, Physiological and Anatomical Mechanisms of Adaptation of and to NaCl and CaCl Salinization. <i>Frontiers in Plant Science</i> , 2019 , 10, 742	6.2	17
24	Sensory and functional quality characterization of protected designation of origin Piennolo del Vesuvio cherry tomato landraces from Campania-Italy. <i>Food Chemistry</i> , 2019 , 292, 166-175	8.5	28
23	Production, Leaf Quality and Antioxidants of Perennial Wall Rocket as Affected by Crop Cycle and Mulching Type. <i>Agronomy</i> , 2019 , 9, 194	3.6	22
22	Macronutrient deprivation eustress elicits differential secondary metabolites in red and green-pigmented butterhead lettuce grown in a closed soilless system. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 6962-6972	4.3	37
21	Omeprazole Promotes Chloride Exclusion and Induces Salt Tolerance in Greenhouse Basil. <i>Agronomy</i> , 2019 , 9, 355	3.6	11
20	Cultivar-Specific Performance and Qualitative Descriptors for Butterhead Salanova Lettuce Produced in Closed Soilless Cultivation as a Candidate Salad Crop for Human Life Support in Space. <i>Life</i> , 2019 , 9,	3	19
19	Combating Micronutrient Deficiency and Enhancing Food Functional Quality Through Selenium Fortification of Select Lettuce Genotypes Grown in a Closed Soilless System. <i>Frontiers in Plant Science</i> , 2019 , 10, 1495	6.2	24
18	Bioactive compounds and fruit quality traits of Vesuvian apricot cultivars (<i>Prunus armeniaca</i> L.) and use of skin cover colour as a harvesting index. <i>Australian Journal of Crop Science</i> , 2019 , 2022-2029	0.5	1
17	Influence of mild saline stress and growing season on yield and leaf quality of baby lettuce grown in floating system. <i>Acta Horticulturae</i> , 2019 , 147-152	0.3	1
16	Reducing Energy Requirements in Future Bioregenerative Life Support Systems (BLSSs): Performance and Bioactive Composition of Diverse Lettuce Genotypes Grown Under Optimal and Suboptimal Light Conditions. <i>Frontiers in Plant Science</i> , 2019 , 10, 1305	6.2	16
15	Genotype-Specific Modulatory Effects of Select Spectral Bandwidths on the Nutritive and Phytochemical Composition of Microgreens. <i>Frontiers in Plant Science</i> , 2019 , 10, 1501	6.2	30

14	Functional quality in novel food sources: Genotypic variation in the nutritive and phytochemical composition of thirteen microgreens species. <i>Food Chemistry</i> , 2019 , 277, 107-118	8.5	72
13	Physiological and Metabolic Responses Triggered by Omeprazole Improve Tomato Plant Tolerance to NaCl Stress. <i>Frontiers in Plant Science</i> , 2018 , 9, 249	6.2	47
12	The influence of Ecklonia maxima seaweed extract on growth, photosynthetic activity and mineral composition of Brassica rapa L. subsp. sylvestris under nutrient stress conditions. <i>European Journal of Horticultural Science</i> , 2018 , 82, 286-293	1	25
11	Application of protein hydrolysate-based biostimulant as new approach to improve performance of bedding plants. <i>Acta Horticulturae</i> , 2018 , 443-448	0.3	4
10	Allometric model for leaf area estimation in Bougainvillea genotypes. <i>Acta Horticulturae</i> , 2018 , 449-452	0.3	1
9	Nutritional quality of hydroponically grown basil in response to salinity and growing season. <i>Acta Horticulturae</i> , 2018 , 693-698	0.3	3
8	Valorisation of biorefinery by-products in potted ornamental shrub cultivation: effects on growth, water relations and leaf gas exchanges. <i>Acta Horticulturae</i> , 2018 , 439-442	0.3	
7	Biodegradable mulching spray for weed control in the cultivation of containerized ornamental shrubs. <i>Chemical and Biological Technologies in Agriculture</i> , 2018 , 5,	4.4	11
6	Fruit position within the canopy affects kernel lipid composition of hazelnuts. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 4790-4799	4.3	13
5	Effect of water salinity and osmolytes application on growth and ornamental value of Viburnum lucidum L.. <i>Acta Horticulturae</i> , 2017 , 659-664	0.3	2
4	Regression model for leaf area estimation in Ficus carica L.. <i>Acta Horticulturae</i> , 2017 , 163-168	0.3	4
3	A simple and accurate allometric model to predict single leaf area of twenty-one European apricot cultivars. <i>European Journal of Horticultural Science</i> , 2017 , 82, 65-71	1	9
2	GENOTYPIC VARIATION IN NUTRITIONAL AND ANTIOXIDANT PROFILE AMONG ICEBERG LETTUCE CULTIVARS. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2017 , 16, 37-45	1.6	11
1	Non-destructive detection of flawed hazelnut kernels and lipid oxidation assessment using NIR spectroscopy. <i>Journal of Food Engineering</i> , 2015 , 160, 42-48	6	28