

# Antonio Pannico

## List of Publications by Year in descending order

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71  
papers

1,663  
citations

257357

24  
h-index

330025

37  
g-index

73  
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73  
docs citations

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times ranked

1228  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.2	120
2	Morphological and Physiological Responses Induced by Protein Hydrolysate-Based Biostimulant and Nitrogen Rates in Greenhouse Spinach. <i>Agronomy</i> , 2019, 9, 450.	1.3	93
3	Biostimulant Application with a Tropical Plant Extract Enhances <i>Corchorus olerarius</i> Adaptation to Sub-Optimal Nutrient Regimens by Improving Physiological Parameters. <i>Agronomy</i> , 2019, 9, 249.	1.3	70
4	Physiological and Metabolic Responses Triggered by Omeprazole Improve Tomato Plant Tolerance to NaCl Stress. <i>Frontiers in Plant Science</i> , 2018, 9, 249.	1.7	67
5	Selenium Biofortification Impacts the Nutritive Value, Polyphenolic Content, and Bioactive Constitution of Variable Microgreens Genotypes. <i>Antioxidants</i> , 2020, 9, 272.	2.2	67
6	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.	1.7	58
7	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.	1.3	56
8	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.	1.7	54
9	Phenolic Constitution, Phytochemical and Macronutrient Content in Three Species of Microgreens as Modulated by Natural Fiber and Synthetic Substrates. <i>Antioxidants</i> , 2020, 9, 252.	2.2	53
10	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.	4.2	48
11	Variation in Macronutrient Content, Phytochemical Constitution and In Vitro Antioxidant Capacity of Green and Red Butterhead Lettuce Dictated by Different Developmental Stages of Harvest Maturity. <i>Antioxidants</i> , 2020, 9, 300.	2.2	48
12	Non-destructive detection of flawed hazelnut kernels and lipid oxidation assessment using NIR spectroscopy. <i>Journal of Food Engineering</i> , 2015, 160, 42-48.	2.7	42
13	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.	1.7	41
14	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.	1.3	41
15	The influence of <i>Ecklonia maxima</i> seaweed extract on growth, photosynthetic activity and mineral composition of <i>Brassica rapa</i> L. subsp. <i>sylvestris</i> under nutrient stress conditions. <i>European Journal of Horticultural Science</i> , 2018, 82, 286-293.	0.3	36
16	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.	4.2	35
17	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, 61.	1.1	34
18	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.	1.3	33

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19	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.	1.3	30
20	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.	1.7	29
21	Biochemical, Physiological and Anatomical Mechanisms of Adaptation of <i>Callistemon citrinus</i> and <i>Viburnum lucidum</i> to NaCl and CaCl <sub>2</sub> Salinization. <i>Frontiers in Plant Science</i> , 2019, 10, 742.	1.7	28
22	Production, Leaf Quality and Antioxidants of Perennial Wall Rocket as Affected by Crop Cycle and Mulching Type. <i>Agronomy</i> , 2019, 9, 194.	1.3	28
23	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.	1.3	27
24	GENOTYPIC VARIATION IN NUTRITIONAL AND ANTIOXIDANT PROFILE AMONG ICEBERG LETTUCE CULTIVARS. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2017, 16, 37-45.	0.3	27
25	Biodegradable mulching spray for weed control in the cultivation of containerized ornamental shrubs. <i>Chemical and Biological Technologies in Agriculture</i> , 2018, 5, .	1.9	26
26	Mars Regolith Simulant Ameliorated by Compost as in situ Cultivation Substrate Improves Lettuce Growth and Nutritional Aspects. <i>Plants</i> , 2020, 9, 628.	1.6	26
27	Biology and crop production in Space environments: Challenges and opportunities. <i>Life Sciences in Space Research</i> , 2021, 29, 30-37.	1.2	24
28	Morpho-physiological and homeostatic adaptive responses triggered by omeprazole enhance lettuce tolerance to salt stress. <i>Scientia Horticulturae</i> , 2019, 249, 22-30.	1.7	23
29	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.	1.7	22
30	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.	3.9	21
31	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.	1.7	20
32	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.	1.7	19
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, 6381.	1.8	19
34	Sweet Basil Functional Quality as Shaped by Genotype and Macronutrient Concentration Reciprocal Action. <i>Plants</i> , 2020, 9, 1786.	1.6	19
35	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.	1.2	19
36	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.	0.5	18

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37	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.	1.7	17
38	Reducing the Evaporative Demand Improves Photosynthesis and Water Use Efficiency of Indoor Cultivated Lettuce. <i>Agronomy</i> , 2021, 11, 1396.	1.3	17
39	Nutrient Solution Deprivation as a Tool to Improve Hydroponics Sustainability: Yield, Physiological, and Qualitative Response of Lettuce. <i>Agronomy</i> , 2021, 11, 1469.	1.3	16
40	Omeprazole Promotes Chloride Exclusion and Induces Salt Tolerance in Greenhouse Basil. <i>Agronomy</i> , 2019, 9, 355.	1.3	14
41	Mineral and Antioxidant Attributes of <i>Petroselinum crispum</i> at Different Stages of Ontogeny: Microgreens vs. Baby Greens. <i>Agronomy</i> , 2021, 11, 857.	1.3	14
42	Ontogenetic Variation in the Mineral, Phytochemical and Yield Attributes of Brassicaceous Microgreens. <i>Foods</i> , 2021, 10, 1032.	1.9	14
43	Understanding the Morpho-Anatomical, Physiological, and Functional Response of Sweet Basil to Isosmotic Nitrate to Chloride Ratios. <i>Biology</i> , 2020, 9, 158.	1.3	13
44	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, 1179.	1.6	12
45	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.	1.2	12
46	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.	0.3	12
47	Improved Porosity of Insect Proof Screens Enhances Quality Aspects of Zucchini Squash without Compromising the Yield. <i>Plants</i> , 2020, 9, 1264.	1.6	10
48	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, 933.	1.6	10
49	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.	1.7	10
50	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.	0.5	7
51	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.	1.6	7
52	Morpho-Metric and Specialized Metabolites Modulation of Parsley Microgreens through Selective LED Wavebands. <i>Agronomy</i> , 2022, 12, 1502.	1.3	7
53	Application of protein hydrolysate-based biostimulant as new approach to improve performance of bedding plants. <i>Acta Horticulturae</i> , 2018, , 443-448.	0.1	6
54	GreenCube: microgreens cultivation and growth monitoring on-board a 3U CubeSat. , 2020, , .		6

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55	A Plant Characterization Unit for Closed Life Support: Hardware and Control Design for Atmospheric Systems. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	1.1	5
56	Macro and trace element mineral composition of six hemp varieties grown as microgreens. <i>Journal of Food Composition and Analysis</i> , 2022, 114, 104750.	1.9	5
57	Regression model for leaf area estimation in <i>Ficus carica</i> L.. <i>Acta Horticulturae</i> , 2017, , 163-168.	0.1	4
58	Nutritional quality of hydroponically grown basil in response to salinity and growing season. <i>Acta Horticulturae</i> , 2018, , 693-698.	0.1	4
59	Untargeted Phenolic Profiling and Functional Insights of the Aerial Parts and Bulbs of <i>Drimys maritima</i> (L.) Stearn. <i>Plants</i> , 2022, 11, 600.	1.6	4
60	Effect of water salinity and osmolytes application on growth and ornamental value of <i>Viburnum lucidum</i> L.. <i>Acta Horticulturae</i> , 2017, , 659-664.	0.1	3
61	Allometric model for leaf area estimation in <i>Bougainvillea</i> genotypes. <i>Acta Horticulturae</i> , 2018, , 449-452.	0.1	2
62	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.	0.1	2
63	Endophytic fungi induce salt stress tolerance in greenhouse-grown basil. <i>Acta Horticulturae</i> , 2020, , 125-132.	0.1	2
64	Growth and quality response of potted ornamental shrubs under salt stress. <i>Acta Horticulturae</i> , 2020, , 861-868.	0.1	2
65	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.	0.1	2
66	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.	0.1	1
67	Influence of priming methods on seed germinability and transplants performance in six vegetable species. <i>Acta Horticulturae</i> , 2020, , 297-304.	0.1	1
68	Effects of genotypes, plant density and nitrogen rates on yield and quality of spinach. <i>Acta Horticulturae</i> , 2021, , 223-230.	0.1	1
69	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.	0.1	0
70	Configuration of greenhouse sweet basil nutritional quality in response to cultivar and growing media. <i>Acta Horticulturae</i> , 2021, , 179-184.	0.1	0
71	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.	0.1	0