Youssef Rouphael

List of Publications by Year
in descending order

322 papers	17,637 citations	10986 71 h-index	20961 115 g-index
326 all docs	326 docs citations	326 times ranked	9051 citing authors

#	Article	IF	Citations
1	Arbuscular mycorrhizal fungi act as biostimulants in horticultural crops. Scientia Horticulturae, 2015, 196, 91-108.	3.6	483
2	Protein hydrolysates as biostimulants in horticulture. Scientia Horticulturae, 2015, 196, 28-38.	3.6	455
3	Grafting as a tool to improve tolerance of vegetables to abiotic stresses: Thermal stress, water stress and organic pollutants. Scientia Horticulturae, 2010, 127, 162-171.	3.6	417
4	Editorial: Biostimulants in Agriculture. Frontiers in Plant Science, 2020, 11, 40.	3.6	404
5	Biostimulant Action of Protein Hydrolysates: Unraveling Their Effects on Plant Physiology and Microbiome. Frontiers in Plant Science, 2017, 8, 2202.	3.6	367
6	Biostimulant action of a plant-derived protein hydrolysate produced through enzymatic hydrolysis. Frontiers in Plant Science, 2014, 5, 448.	3.6	323
7	The effect of a plant-derived biostimulant on metabolic profiling and crop performance of lettuce grown under saline conditions. Scientia Horticulturae, 2015, 182, 124-133.	3.6	310
8	Synergistic Biostimulatory Action: Designing the Next Generation of Plant Biostimulants for Sustainable Agriculture. Frontiers in Plant Science, 2018, 9, 1655.	3.6	298
9	Impact of grafting on product quality of fruit vegetables. Scientia Horticulturae, 2010, 127, 172-179.	3.6	290
10	Micro-scale vegetable production and the rise of microgreens. Trends in Food Science and Technology, 2016, 57, 103-115.	15.1	263
11	Towards a new definition of quality for fresh fruits and vegetables. Scientia Horticulturae, 2018, 234, 463-469.	3.6	241
12	Improving vegetable quality in controlled environments. Scientia Horticulturae, 2018, 234, 275-289.	3.6	233
13	Role of grafting in vegetable crops grown under saline conditions. Scientia Horticulturae, 2010, 127, 147-155.	3.6	231
14	Foliar applications of a legume-derived protein hydrolysate elicit dose-dependent increases of growth, leaf mineral composition, yield and fruit quality in two greenhouse tomato cultivars. Scientia Horticulturae, 2017, 226, 353-360.	3.6	226
15	Trichoderma-Based Biostimulants Modulate Rhizosphere Microbial Populations and Improve N Uptake Efficiency, Yield, and Nutritional Quality of Leafy Vegetables. Frontiers in Plant Science, 2018, 9, 743.	3.6	224
16	Coâ€inoculation of Glomus intraradices andÂTrichoderma atroviride acts as a biostimulant toÂpromote growth, yield andÂnutrient uptake ofÂvegetable crops. Journal of the Science of Food and Agriculture, 2015, 95, 1706-1715.	3.5	223
17	Synergistic Action of a Microbial-based Biostimulant and a Plant Derived-Protein Hydrolysate Enhances Lettuce Tolerance to Alkalinity and Salinity. Frontiers in Plant Science, 2017, 08, 131.	3.6	213
18	Amelioration of heavy metal and nutrient stress in fruit vegetables by grafting. Scientia Horticulturae, 2010, 127, 156-161.	3.6	212

#	Article	IF	Citations
19	Nitrate in fruits and vegetables. Scientia Horticulturae, 2018, 237, 221-238.	3.6	199
20	Alleviation of salt stress by arbuscular mycorrhizal in zucchini plants grown at low and high phosphorus concentration. Biology and Fertility of Soils, 2008, 44, 501-509.	4.3	195
21	High-Throughput Plant Phenotyping for Developing Novel Biostimulants: From Lab to Field or From Field to Lab?. Frontiers in Plant Science, 2018, 9, 1197.	3.6	193
22	Renewable Sources of Plant Biostimulation: Microalgae as a Sustainable Means to Improve Crop Performance. Frontiers in Plant Science, 2018, 9, 1782.	3.6	184
23	Yield, Mineral Composition, Water Relations, and Water Use Efficiency of Grafted Mini-watermelon Plants Under Deficit Irrigation. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 730-736.	1.0	183
24	Foliar Applications of Protein Hydrolysate, Plant and Seaweed Extracts Increase Yield but Differentially Modulate Fruit Quality of Greenhouse Tomato. Hortscience: A Publication of the American Society for Hortcultural Science, 2017, 52, 1214-1220.	1.0	175
25	Vegetable Grafting: The Implications of a Growing Agronomic Imperative for Vegetable Fruit Quality and Nutritive Value. Frontiers in Plant Science, 2017, 8, 741.	3.6	172
26	Nutritional quality of ten leafy vegetables harvested at two light intensities. Food Chemistry, 2016, 199, 702-710.	8.2	171
27	Plant- and Seaweed-Based Extracts Increase Yield but Differentially Modulate Nutritional Quality of Greenhouse Spinach through Biostimulant Action. Agronomy, 2018, 8, 126.	3.0	160
28	Nutrient solution concentration and growing season affect yield and quality of Lactuca sativa L. var. acephala in floating raft culture. Journal of the Science of Food and Agriculture, 2009, 89, 1682-1689.	3.5	154
29	Effect of Ecklonia maxima seaweed extract on yield, mineral composition, gas exchange, and leaf anatomy of zucchini squash grown under saline conditions. Journal of Applied Phycology, 2017, 29, 459-470.	2.8	153
30	Changes in Antioxidant Content of Tomato Fruits in Response to Cultivar and Nutrient Solution Composition. Journal of Agricultural and Food Chemistry, 2006, 54, 4319-4325.	5.2	146
31	Vegetable Grafting as a Tool to Improve Drought Resistance and Water Use Efficiency. Frontiers in Plant Science, 2017, 8, 1130.	3.6	143
32	Grafting of cucumber as a means to minimize copper toxicity. Environmental and Experimental Botany, 2008, 63, 49-58.	4.2	142
33	Fruit quality of miniâ€watermelon as affected by grafting and irrigation regimes. Journal of the Science of Food and Agriculture, 2008, 88, 1107-1114.	3.5	127
34	Evapotranspiration, seed yield and water use efficiency of drip irrigated sunflower under full and deficit irrigation conditions. Agricultural Water Management, 2007, 90, 213-223.	5.6	125
35	Evapotranspiration and seed yield of field grown soybean under deficit irrigation conditions. Agricultural Water Management, 2005, 75, 226-244.	5.6	121
36	Functional quality in novel food sources: Genotypic variation in the nutritive and phytochemical composition of thirteen microgreens species. Food Chemistry, 2019, 277, 107-118.	8.2	120

#	Article	IF	Citations
37	Improving Nitrogen Use Efficiency in Melon by Grafting. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 559-565.	1.0	114
38	Insight into the role of grafting and arbuscular mycorrhiza on cadmium stress tolerance in tomato. Frontiers in Plant Science, 2015, 6, 477.	3.6	112
39	Effects of saline stress on mineral composition, phenolic acids and flavonoids in leaves of artichoke and cardoon genotypes grown in floating system. Journal of the Science of Food and Agriculture, 2013, 93, 1119-1127.	3.5	110
40	Effect of nitrogen form and nutrient solution pH on growth and mineral composition of self-grafted and grafted tomatoes. Scientia Horticulturae, 2013, 149, 61-69.	3.6	108
41	Protein Hydrolysate Stimulates Growth in Tomato Coupled With N-Dependent Gene Expression Involved in N Assimilation. Frontiers in Plant Science, 2018, 9, 1233.	3.6	108
42	Response and Defence Mechanisms of Vegetable Crops against Drought, Heat and Salinity Stress. Agriculture (Switzerland), 2021, 11, 463.	3.1	104
43	A simple model for estimating leaf area of hazelnut from linear measurements. Scientia Horticulturae, 2007, 113, 221-225.	3.6	103
44	Improving melon and cucumber photosynthetic activity, mineral composition, and growth performance under salinity stress by grafting onto Cucurbita hybrid rootstocks. Photosynthetica, 2012, 50, 180-188.	1.7	103
45	Grafting cucumber plants enhance tolerance to sodium chloride and sulfate salinization. Scientia Horticulturae, 2012, 135, 177-185.	3.6	102
46	A Vegetal Biopolymer-Based Biostimulant Promoted Root Growth in Melon While Triggering Brassinosteroids and Stress-Related Compounds. Frontiers in Plant Science, 2018, 9, 472.	3.6	102
47	Metabolomic responses triggered by arbuscular mycorrhiza enhance tolerance to water stress in wheat cultivars. Plant Physiology and Biochemistry, 2019, 137, 203-212.	5.8	102
48	Growth, yield, fruit quality and nutrient uptake of hydroponically cultivated zucchini squash as affected by irrigation systems and growing seasons. Scientia Horticulturae, 2005, 105, 177-195.	3.6	100
49	Understanding the Biostimulant Action of Vegetal-Derived Protein Hydrolysates by High-Throughput Plant Phenotyping and Metabolomics: A Case Study on Tomato. Frontiers in Plant Science, 2019, 10, 47.	3.6	100
50	Toward a Sustainable Agriculture Through Plant Biostimulants: From Experimental Data to Practical Applications. Agronomy, 2020, 10, 1461.	3.0	99
51	The effectiveness of grafting to improve alkalinity tolerance in watermelon. Environmental and Experimental Botany, 2010, 68, 283-291.	4.2	98
52	Vegetable Grafting: A Toolbox for Securing Yield Stability under Multiple Stress Conditions. Frontiers in Plant Science, 2017, 8, 2255.	3.6	96
53	A Combined Phenotypic and Metabolomic Approach for Elucidating the Biostimulant Action of a Plant-Derived Protein Hydrolysate on Tomato Grown Under Limited Water Availability. Frontiers in Plant Science, 2019, 10, 493.	3.6	96
54	Phenolic composition, antioxidant activity and mineral profile in two seed-propagated artichoke cultivars as affected by microbial inoculants and planting time. Food Chemistry, 2017, 234, 10-19.	8.2	94

#	Article	IF	Citations
55	Morphological and Physiological Responses Induced by Protein Hydrolysate-Based Biostimulant and Nitrogen Rates in Greenhouse Spinach. Agronomy, 2019, 9, 450.	3.0	93
56	Salinity as eustressor for enhancing quality of vegetables. Scientia Horticulturae, 2018, 234, 361-369.	3.6	92
57	Enhancing Quality of Fresh Vegetables Through Salinity Eustress and Biofortification Applications Facilitated by Soilless Cultivation. Frontiers in Plant Science, 2018, 9, 1254.	3.6	91
58	The effectiveness of grafting to improve NaCl and CaCl2 tolerance in cucumber. Scientia Horticulturae, 2013, 164, 380-391.	3.6	90
59	Plant-Based Biostimulants Influence the Agronomical, Physiological, and Qualitative Responses of Baby Rocket Leaves under Diverse Nitrogen Conditions. Plants, 2019, 8, 522.	3.5	89
60	Watermelon and melon fruit quality: The genotypic and agro-environmental factors implicated. Scientia Horticulturae, 2018, 234, 393-408.	3.6	87
61	Evaluation of Rootstock Resistance to Fusarium Wilt and Gummy Stem Blight and Effect on Yield and Quality of a Grafted â€˜Inodorusâ€™ Melon. Hortscience: A Publication of the American Society for Hortcultural Science, 2007, 42, 521-525.	1.0	87
62	Microgreens as a Component of Space Life Support Systems: A Cornucopia of Functional Food. Frontiers in Plant Science, 2017, 8, 1587.	3.6	83
63	Comparison of the subirrigation and drip-irrigation systems for greenhouse zucchini squash production using saline and non-saline nutrient solutions. Agricultural Water Management, 2006, 82, 99-117.	5.6	81
64	Zinc Excess Triggered Polyamines Accumulation in Lettuce Root Metabolome, As Compared to Osmotic Stress under High Salinity. Frontiers in Plant Science, 2016, 7, 842.	3.6	81
65	Nitrogenâ€use efficiency traits of miniâ€watermelon in response to grafting and nitrogenâ€fertilization doses. Journal of Plant Nutrition and Soil Science, 2011, 174, 933-941.	1.9	80
66	Yield and water-production functions of two durum wheat cultivars grown under different irrigation and nitrogen regimes. Agricultural Water Management, 2009, 96, 603-615.	5.6	79
67	Mild Potassium Chloride Stress Alters the Mineral Composition, Hormone Network, and Phenolic Profile in Artichoke Leaves. Frontiers in Plant Science, 2016, 7, 948.	3.6	79
68	Morpho-anatomical, physiological and biochemical adaptive responses to saline water of Bougainvillea spectabilis Willd. trained to different canopy shapes. Agricultural Water Management, 2019, 212, 12-22.	5.6	78
69	Inoculation of Rhizoglomus irregulare or Trichoderma atroviride differentially modulates metabolite profiling of wheat root exudates. Phytochemistry, 2019, 157, 158-167.	2.9	76
70	Effects of Drought on Nutrient Uptake and Assimilation in Vegetable Crops. , 2012, , 171-195.		75
71	Modeling individual leaf area of rose (Rosa hybrida L.) based on leaf length and width measurement. Photosynthetica, 2010, 48, 9-15.	1.7	74
72	Effect of Vegetal- and Seaweed Extract-Based Biostimulants on Agronomical and Leaf Quality Traits of Plastic Tunnel-Grown Baby Lettuce under Four Regimes of Nitrogen Fertilization. Agronomy, 2019, 9, 571.	3.0	70

#	Article	IF	Citations
73	Biostimulant Application with a Tropical Plant Extract Enhances Corchorus olitorius Adaptation to Sub-Optimal Nutrient Regimens by Improving Physiological Parameters. Agronomy, 2019, 9, 249.	3.0	70
74	Nitrogen Use and Uptake Efficiency and Crop Performance of Baby Spinach (Spinacia oleracea L.) and Lambâ€™s Lettuce (Valerianella locusta L.) Grown under Variable Sub-Optimal N Regimes Combined with Plant-Based Biostimulant Application. Agronomy, 2020, 10, 278.	3.0	70
75	Physiological and Metabolic Responses Triggered by Omeprazole Improve Tomato Plant Tolerance to NaCl Stress. Frontiers in Plant Science, 2018, 9, 249.	3.6	67
76	Protein Hydrolysate or Plant Extract-based Biostimulants Enhanced Yield and Quality Performances of Greenhouse Perennial Wall Rocket Grown in Different Seasons. Plants, 2019, 8, 208.	3.5	67
77	Selenium Biofortification Impacts the Nutritive Value, Polyphenolic Content, and Bioactive Constitution of Variable Microgreens Genotypes. Antioxidants, 2020, 9, 272.	5.1	67
78	Growth-promoting bacteria and arbuscular mycorrhizal fungi differentially benefit tomato and corn depending upon the supplied form of phosphorus. Mycorrhiza, 2020, 30, 133-147.	2.8	66
79	Enhancing Sustainability by Improving Plant Salt Tolerance through Macro- and Micro-Algal Biostimulants. Biology, 2020, 9, 253.	2.8	66
80	Leaf area estimation of sunflower leaves from simple linear measurements. Photosynthetica, 2007, 45, 306-308.	1.7	65
81	Changes in Biomass, Mineral Composition, and Quality of Cardoon in Response to NO3-:Cl- Ratio and Nitrate Deprivation from the Nutrient Solution. Frontiers in Plant Science, 2016, 7, 978.	3.6	65
82	Water use and lint yield response of drip irrigated cotton to the length of irrigation season. Agricultural Water Management, 2006, 85, 287-295.	5.6	63
83	Grafting Tomato as a Tool to Improve Salt Tolerance. Agronomy, 2020, 10, 263.	3.0	63
84	Phenolic Compounds and Sesquiterpene Lactones Profile in Leaves of Nineteen Artichoke Cultivars. Journal of Agricultural and Food Chemistry, 2016, 64, 8540-8548.	5.2	61
85	The influence of irrigation system and nutrient solution concentration on potted geranium production under various conditions of radiation and temperature. Scientia Horticulturae, 2008, 118, 328-337.	3.6	59
86	Configuration of watermelon fruit quality inÂresponse to rootstockâ€mediated harvest maturity and postharvest storage. Journal of the Science of Food and Agriculture, 2016, 96, 2400-2409.	3.5	59
87	Role of arbuscular mycorrhizal fungi in alleviating the adverse effects of acidity and aluminium toxicity in zucchini squash. Scientia Horticulturae, 2015, 188, 97-105.	3.6	58
88	Genotype-Specific Modulatory Effects of Select Spectral Bandwidths on the Nutritive and Phytochemical Composition of Microgreens. Frontiers in Plant Science, 2019, 10, 1501.	3.6	58
89	Leaf Area Estimation Model for Small Fruits from Linear Measurements. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 2263-2267.	1.0	58
90	Appraisal of Combined Applications of Trichoderma virens and a Biopolymer-Based Biostimulant on Lettuce Agronomical, Physiological, and Qualitative Properties under Variable N Regimes. Agronomy, 2020, 10, 196.	3.0	56

#	Article	IF	Citations
91	Radiation and water use efficiencies of greenhouse zucchini squash in relation to different climate parameters. European Journal of Agronomy, 2005, 23, 183-194.	4.1	55
92	Enhancement of alkalinity tolerance in two cucumber genotypes inoculated with an arbuscular mycorrhizal biofertilizer containing Glomus intraradices. Biology and Fertility of Soils, 2010, 46, 499-509.	4.3	55
93	Arbuscular Mycorrhizas: A Promising Component of Plant Production Systems Provided Favorable Conditions for Their Growth. Frontiers in Plant Science, 2018, 9, 1329.	3.6	54
94	Macronutrient deprivation eustress elicits differential secondary metabolites in red and greenâ€pigmented butterhead lettuce grown in a closed soilless system. Journal of the Science of Food and Agriculture, 2019, 99, 6962-6972.	3.5	54
95	Metabolomic Responses of Maize Shoots and Roots Elicited by Combinatorial Seed Treatments With Microbial and Non-microbial Biostimulants. Frontiers in Microbiology, 2020, 11, 664.	3.5	54
96	Microalgae: New Source of Plant Biostimulants. Agronomy, 2020, 10, 1240.	3.0	53
97	Phenolic Constitution, Phytochemical and Macronutrient Content in Three Species of Microgreens as Modulated by Natural Fiber and Synthetic Substrates. Antioxidants, 2020, 9, 252.	5.1	53
98	Yield and Nutritional Quality of Vesuvian Piennolo Tomato PDO as Affected by Farming System and Biostimulant Application. Agronomy, 2019, 9, 505.	3.0	52
99	â€œPhysiological qualityâ€•of organically grown vegetables. Scientia Horticulturae, 2016, 208, 131-139.	3.6	51
100	Irrigation management of European greenhouse vegetable crops. Agricultural Water Management, 2020, 242, 106393.	5.6	51
101	Effect of nickel and grafting combination on yield, fruit quality, antioxidative enzyme activities, lipid peroxidation, and mineral composition of tomato. Journal of Plant Nutrition and Soil Science, 2015, 178, 848-860.	1.9	49
102	Profile of bioactive secondary metabolites and antioxidant capacity of leaf exudates from eighteen Aloe species. Industrial Crops and Products, 2017, 108, 44-51.	5.2	49
103	Grown to Be Blueâ€”Antioxidant Properties and Health Effects of Colored Vegetables. Part II: Leafy, Fruit, and Other Vegetables. Antioxidants, 2020, 9, 97.	5.1	49
104	Nutrient Solution Concentration Affects Growth, Mineral Composition, Phenolic Acids, and Flavonoids in Leaves of Artichoke and Cardoon. Hortscience: A Publication of the American Society for Hortcultural Science, 2012, 47, 1424-1429.	1.0	49
105	Sensory and functional quality characterization of protected designation of origin â€˜Piennolo del Vesuvioâ€™ cherry tomato landraces from Campania-Italy. Food Chemistry, 2019, 292, 166-175.	8.2	48
106	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. Antioxidants, 2020, 9, 300.	5.1	48
107	Collection time, cutting age, IBA and putrescine effects on root formation in Corylus avellana L. cuttings. Scientia Horticulturae, 2010, 124, 189-194.	3.6	47
108	Application of Trichoderma harzianum, 6-Pentyl-Î±-pyrone and Plant Biopolymer Formulations Modulate Plant Metabolism and Fruit Quality of Plum Tomatoes. Plants, 2020, 9, 771.	3.5	46

#	Article	IF	Citations
109	A non-destructive, simple and accurate model for estimating the individual leaf area of kiwi (Actinidia) Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	45
110	Chitosan treatment elicited defence mechanisms, pentacyclic triterpenoids and stilbene accumulation in grape (Vitis vinifera L.) bunches. Phytochemistry, 2018, 156, 1-8.	2.9	42
111	Plant-Based Protein Hydrolysate Improves Salinity Tolerance in Hemp: Agronomical and Physiological Aspects. Agronomy, 2021, 11, 342.	3.0	42
112	Effects of vegetal- versus animal-derived protein hydrolysate on sweet basil morpho-physiological and metabolic traits. Scientia Horticulturae, 2021, 284, 110123.	3.6	42
113	Biostimulant Substances for Sustainable Agriculture: Origin, Operating Mechanisms and Effects on Cucurbits, Leafy Greens, and Nightshade Vegetables Species. Biomolecules, 2021, 11, 1103.	4.0	42
114	Combating Micronutrient Deficiency and Enhancing Food Functional Quality Through Selenium Fortification of Select Lettuce Genotypes Grown in a Closed Soilless System. Frontiers in Plant Science, 2019, 10, 1495.	3.6	41
115	Vapour pressure deficit: The hidden driver behind plant morphofunctional traits in controlled environments. Annals of Applied Biology, 2019, 175, 313-325.	2.5	41
116	Iron Biofortification of Red and Green Pigmented Lettuce in Closed Soilless Cultivation Impacts Crop Performance and Modulates Mineral and Bioactive Composition. Agronomy, 2019, 9, 290.	3.0	41
117	Appraisal of emerging crop management opportunities in fruit trees, grapevines and berry crops facilitated by the application of biostimulants. Scientia Horticulturae, 2020, 267, 109330.	3.6	41
118	Genotype and Successive Harvests Interaction Affects Phenolic Acids and Aroma Profile of Genovese Basil for Pesto Sauce Production. Foods, 2021, 10, 278.	4.3	41
119	The Influence of Drip Irrigation or Subirrigation on Zucchini Squash Grown in Closed-loop Substrate Culture with High and Low Nutrient Solution Concentrations. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 306-311.	1.0	41
120	Yield and water use of eggplants (Solanum melongena L.) under full and deficit irrigation regimes. Agricultural Water Management, 2011, 98, 1307-1316.	5.6	40
121	An endophytic fungi-based biostimulant modulated lettuce yield, physiological and functional quality responses to both moderate and severe water limitation. Scientia Horticulturae, 2019, 256, 108595.	3.6	40
122	Sensory Attributes and Consumer Acceptability of 12 Microgreens Species. Agronomy, 2020, 10, 1043.	3.0	40
123	Envisioning the Future of European Food Systems: Approaches and Research Priorities After COVID-19. Frontiers in Sustainable Food Systems, 0, 5, .	3.9	40
124	Foliar Application of Different Vegetal-Derived Protein Hydrolysates Distinctively Modulates Tomato Root Development and Metabolism. Plants, 2021, 10, 326.	3.5	39
125	Chemical Eustress Elicits Tailored Responses and Enhances the Functional Quality of Novel Food Perilla frutescens. Molecules, 2019, 24, 185.	3.8	37
126	Celery (Apium graveolens L.) Performances as Subjected to Different Sources of Protein Hydrolysates. Plants, 2020, 9, 1633.	3.5	37

#	Article	IF	Citations
127	Salinity source alters mineral composition and metabolism of Cichorium spinosum. Environmental and Experimental Botany, 2017, 141, 113-123.	4.2	35
128	The bioactive profile of lettuce produced in a closed soilless system as configured by combinatorial effects of genotype and macrocation supply composition. Food Chemistry, 2020, 309, 125713.	8.2	35
129	Rootstock and Arbuscular Mycorrhiza Combinatorial Effects on Eggplant Crop Performance and Fruit Quality under Greenhouse Conditions. Agronomy, 2020, 10, 693.	3.0	35
130	Selenium biofortification and grafting modulate plant performance and functional features of cherry tomato grown in a soilless system. Scientia Horticulturae, 2021, 285, 110095.	3.6	35
131	Seed Treatments with Microorganisms Can Have a Biostimulant Effect by Influencing Germination and Seedling Growth of Crops. Plants, 2022, 11, 259.	3.5	35
132	Can Adverse Effects of Acidity and Aluminum Toxicity Be Alleviated by Appropriate Rootstock Selection in Cucumber?. Frontiers in Plant Science, 2016, 7, 1283.	3.6	34
133	Effects of high salinity and the exogenous application of an osmolyte on growth, photosynthesis, and mineral composition in two ornamental shrubs. Journal of Horticultural Science and Biotechnology, 2016, 91, 14-22.	1.9	34
134	Analyzing the Environmental Impact of Chemically-Produced Protein Hydrolysate from Leather Waste vs. Enzymatically-Produced Protein Hydrolysate from Legume Grains. Agriculture (Switzerland), 2017, 7, 62.	3.1	34
135	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. Life, 2019, 9, 61.	2.4	34
136	Grown to be Blueâ€"Antioxidant Properties and Health Effects of Colored Vegetables. Part I: Root Vegetables. Antioxidants, 2019, 8, 617.	5.1	34
137	The occurrence of nitrate and nitrite in Mediterranean fresh salad vegetables and its modulation by preharvest practices and postharvest conditions. Food Chemistry, 2019, 285, 468-477.	8.2	33
138	Appraisal of Biodegradable Mulching Films and Vegetal-Derived Biostimulant Application as Eco-Sustainable Practices for Enhancing Lettuce Crop Performance and Nutritive Value. Agronomy, 2020, 10, 427.	3.0	33
139	Challenges for a Sustainable Food Production System on Board of the International Space Station: A Technical Review. Agronomy, 2020, 10, 687.	3.0	32
140	Combining Molecular Weight Fractionation and Metabolomics to Elucidate the Bioactivity of Vegetal Protein Hydrolysates in Tomato Plants. Frontiers in Plant Science, 2020, 11, 976.	3.6	32
141	Seed Priming With Protein Hydrolysates Improves Arabidopsis Growth and Stress Tolerance to Abiotic Stresses. Frontiers in Plant Science, 2021, 12, 626301.	3.6	32
142	Modelling the transpiration of a greenhouse zucchini crop grown under a Mediterranean climate using the Penman-Monteith equation and its simplified version. Australian Journal of Agricultural Research, 2004, 55, 931.	1.5	31
143	Physiological and Nutraceutical Quality of Green and Red Pigmented Lettuce in Response to NaCl Concentration in Two Successive Harvests. Agronomy, 2020, 10, 1358.	3.0	31
144	Metabolic Insights into the Anion-Anion Antagonism in Sweet Basil: Effects of Different Nitrate/Chloride Ratios in the Nutrient Solution. International Journal of Molecular Sciences, 2020, 21, 2482.	4.1	31

#	Article	IF	Citations
145	Impact of Ecklonia maxima Seaweed Extract and Mo Foliar Treatments on Biofortification, Spinach Yield, Quality and NUE. Plants, 2021, 10, 1139.	3.5	31
146	Agronomical, physiological and fruit quality responses of two Italian long-storage tomato landraces under rain-fed and full irrigation conditions. Agricultural Water Management, 2017, 180, 126-135.	5.6	30
147	Stand-Alone and Combinatorial Effects of Plant-based Biostimulants on the Production and Leaf Quality of Perennial Wall Rocket. Plants, 2020, 9, 922.	3.5	30
148	Nutrient Supplementation Configures the Bioactive Profile and Production Characteristics of Three Brassica L. Microgreens Species Grown in Peat-Based Media. Agronomy, 2021, 11, 346.	3.0	30
149	Effects of partial root-zone drying irrigation on yield, fruit quality, and water-use efficiency in processing tomato. Journal of Horticultural Science and Biotechnology, 2014, 89, 389-396.	1.9	29
150	Simple and accurate allometric model for leaf area estimation in Vitis vinifera L. genotypes. Photosynthetica, 2015, 53, 342-348.	1.7	29
151	Successive Harvests Affect Yield, Quality and Metabolic Profile of Sweet Basil (Ocimum basilicum L.). Agronomy, 2020, 10, 830.	3.0	29
152	Morpho-Physiological Responses and Secondary Metabolites Modulation by Preharvest Factors of Three Hydroponically Grown Genovese Basil Cultivars. Frontiers in Plant Science, 2021, 12, 671026.	3.6	29
153	Biochemical, Physiological and Anatomical Mechanisms of Adaptation of Callistemon citrinus and Viburnum lucidum to NaCl and CaCl2 Salinization. Frontiers in Plant Science, 2019, 10, 742.	3.6	28
154	Production, Leaf Quality and Antioxidants of Perennial Wall Rocket as Affected by Crop Cycle and Mulching Type. Agronomy, 2019, 9, 194.	3.0	28
155	Can Trichoderma-Based Biostimulants Optimize N Use Efficiency and Stimulate Growth of Leafy Vegetables in Greenhouse Intensive Cropping Systems?. Agronomy, 2020, 10, 121.	3.0	28
156	Grafting artichoke onto cardoon rootstocks: Graft compatibility, yield and Verticillium wilt incidence. Scientia Horticulturae, 2013, 149, 22-27.	3.6	27
157	Foliar and Root Applications of Vegetal-Derived Protein Hydrolysates Differentially Enhance the Yield and Qualitative Attributes of Two Lettuce Cultivars Grown in Floating System. Agronomy, 2021, 11, 1194.	3.0	27
158	Evolution of Nutritional Value of Two Tomato Genotypes Grown in Soilless Culture as Affected by Macrocation Proportions. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1584-1588.	1.0	27
159	GENOTYPIC VARIATION IN NUTRITIONAL AND ANTIOXIDANT PROFILE AMONG ICEBERG LETTUCE CULTIVARS. Acta Scientiarum Polonorum, Hortorum Cultus, 2017, 16, 37-45.	0.6	27
160	Antioxidant properties of raw and cooked spears of green asparagus cultivars. International Journal of Food Science and Technology, 2009, 44, 1017-1023.	2.7	26
161	Mitigation of alkaline stress by arbuscular mycorrhiza in zucchini plants grown under mineral and organic fertilization. Journal of Plant Nutrition and Soil Science, 2010, 173, 778-787.	1.9	26
162	Mars Regolith Simulant Ameliorated by Compost as in situ Cultivation Substrate Improves Lettuce Growth and Nutritional Aspects. Plants, 2020, 9, 628.	3.5	26

#	Article	IF	Citations
163	Biostimulatory Action of Arbuscular Mycorrhizal Fungi Enhances Productivity, Functional and Sensory Quality in â€˜Piennolo del Vesuvioâ€™ Cherry Tomato Landraces. Agronomy, 2020, 10, 911.	3.0	26
164	Biochemical and histological contributions to textural changes in watermelon fruit modulated by grafting. Food Chemistry, 2017, 237, 133-140.	8.2	25
165	Diplotaxis tenuifolia (L.) DC. Yield and Quality as Influenced by Cropping Season, Protein Hydrolysates, and Trichoderma Applications. Plants, 2020, 9, 697.	3.5	25
166	Mapping the Primary and Secondary Metabolomes of Carob (Ceratonia siliqua L.) Fruit and Its Postharvest Antioxidant Potential at Critical Stages of Ripening. Antioxidants, 2021, 10, 57.	5.1	25
167	Growth, photosynthetic activity and tuber quality of two potato cultivars in controlled environment as affected by light source. Plant Biosystems, 2019, 153, 725-735.	1.6	24
168	A Microbial-Based Biostimulant Enhances Sweet Pepper Performance by Metabolic Reprogramming of Phytohormone Profile and Secondary Metabolism. Frontiers in Plant Science, 2020, 11, 567388.	3.6	24
169	Protein Hydrolysates and Mo-Biofortification Interactively Modulate Plant Performance and Quality of â€˜Canastaâ€™ Lettuce Grown in a Protected Environment. Agronomy, 2021, 11, 1023.	3.0	24
170	Biology and crop production in Space environments: Challenges and opportunities. Life Sciences in Space Research, 2021, 29, 30-37.	2.3	24
171	Biochemical, Physiological, and Molecular Aspects of Ornamental Plants Adaptation to Deficit Irrigation. Horticulturae, 2021, 7, 107.	2.8	24
172	Validation of a leaf area prediction model proposed for rose. Chilean Journal of Agricultural Research, 2013, 73, 73-76.	1.1	24
173	Morpho-physiological and homeostatic adaptive responses triggered by omeprazole enhance lettuce tolerance to salt stress. Scientia Horticulturae, 2019, 249, 22-30.	3.6	23
174	The Strength of the Nutrient Solution Modulates the Functional Profile of Hydroponically Grown Lettuce in a Genotype-Dependent Manner. Foods, 2020, 9, 1156.	4.3	23
175	An Endophytic Fungi-Based Biostimulant Modulates Volatile and Non-Volatile Secondary Metabolites and Yield of Greenhouse Basil (Ocimum basilicum L.) through Variable Mechanisms Dependent on Salinity Stress Level. Pathogens, 2021, 10, 797.	2.8	23
176	Biostimulant Application under Different Nitrogen Fertilization Levels: Assessment of Yield, Leaf Quality, and Nitrogen Metabolism of Tunnel-Grown Lettuce. Agronomy, 2021, 11, 1613.	3.0	23
177	Application of PGPB Combined with Variable N Doses Affects Growth, Yield-Related Traits, N-Fertilizer Efficiency and Nutritional Status of Lettuce Grown under Controlled Condition. Agronomy, 2022, 12, 236.	3.0	23
178	Coniferous wood biochar as substrate component of two containerized Lavender species: Effects on morpho-physiological traits and nutrients partitioning. Scientia Horticulturae, 2020, 267, 109356.	3.6	22
179	Bioformulations with Beneficial Microbial Consortia, a Bioactive Compound and Plant Biopolymers Modulate Sweet Basil Productivity, Photosynthetic Activity and Metabolites. Pathogens, 2021, 10, 870.	2.8	22
180	The Influence of Deficit Irrigation on Growth, Ornamental Quality, and Water Use Efficiency of Three Potted Bougainvillea Genotypes Grown in Two Shapes. Hortscience: A Publication of the American Society for Hortcultural Science, 2014, 49, 1284-1291.	1.0	22

#	Article	IF	Citations
181	The Potential for Lunar and Martian Regolith Simulants to Sustain Plant Growth: A Multidisciplinary Overview. Frontiers in Astronomy and Space Sciences, 2022, 8, .	2.8	22
182	Effects of conifer wood biochar as a substrate component on ornamental performance, photosynthetic activity, and mineral composition of pottedRosa rugosa. Journal of Horticultural Science and Biotechnology, 2018, 93, 519-528.	1.9	21
183	Biostimulants as a Tool for Improving Environmental Sustainability of Greenhouse Vegetable Crops. Sustainability, 2020, 12, 5101.	3.2	21
184	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. Science of the Total Environment, 2020, 720, 137543.	8.0	21
185	Water and fertilization management of vegetables: state of art and future challenges. European Journal of Horticultural Science, 2018, 83, 306-318.	0.7	21
186	Morphophysiological Traits and Nitrate Content of Greenhouse Lettuce as Affected by Irrigation with Saline Water. Hortscience: A Publication of the American Society for Hortcultural Science, 2017, 52, 1716-1721.	1.0	20
187	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. Frontiers in Plant Science, 2019, 10, 1305.	3.6	20
188	Fruit quality and volatile compound composition of processing tomato as affected by fertilisation practices and arbuscular mycorrhizal fungi application. Food Chemistry, 2021, 359, 129961.	8.2	20
189	Effects of Fertilization, Arbuscular Mycorrhiza, and Salinity on Growth, Yield, and Bioactive Compounds of Two Aloe Species. Hortscience: A Publication of the American Society for Hortcultural Science, 2013, 48, 568-575.	1.0	20
190	The Compositional Aspects of Edible Flowers as an Emerging Horticultural Product. Molecules, 2021, 26, 6940.	3.8	20
191	Growth, yield and reproduction of dwarf tomato grown under simulated microgravity conditions. Plant Biosystems, 2007, 141, 75-81.	1.6	19
192	Morpho-anatomical and physiological traits of two Bougainvillea genotypes trained to two shapes under deficit irrigation. Trees - Structure and Function, 2017, 31, 173-187.	1.9	19
193	Functional Quality, Mineral Composition and Biomass Production in Hydroponic Spiny Chicory (Cichorium spinosum L.) Are Modulated Interactively by Ecotype, Salinity and Nitrogen Supply. Frontiers in Plant Science, 2019, 10, 1040.	3.6	19
194	The Metabolic Reprogramming Induced by Sub-Optimal Nutritional and Light Inputs in Soilless Cultivated Green and Red Butterhead Lettuce. International Journal of Molecular Sciences, 2020, 21, 6381.	4.1	19
195	Sweet Basil Functional Quality as Shaped by Genotype and Macronutrient Concentration Reciprocal Action. Plants, 2020, 9, 1786.	3.5	19
196	Productive and Morphometric Traits, Mineral Composition and Secondary Metabolome Components of Borage and Purslane as Underutilized Species for Microgreens Production. Horticulturae, 2021, 7, 211.	2.8	19
197	Antimicrobial Properties, Cytotoxic Effects, and Fatty Acids Composition of Vegetable Oils from Purslane, Linseed, Luffa, and Pumpkin Seeds. Applied Sciences (Switzerland), 2021, 11, 5738.	2.5	18
198	The Fate of Nitrogen from Soil to Plants: Influence of Agricultural Practices in Modern Agriculture. Agriculture (Switzerland), 2021, 11, 944.	3.1	18

#	Article	IF	Citations
199	Nutritional stress suppresses nitrate content and positively impacts ascorbic acid concentration and phenolic acids profile of lettuce microgreens. Italus Hortus, 2020, 27, 41-52.	0.9	18
200	Underutilized Fruit Crops of Indian Arid and Semi-Arid Regions: Importance, Conservation and Utilization Strategies. Horticulturae, 2022, 8, 171.	2.8	18
201	Plant-Derived Biostimulants Differentially Modulate Primary and Secondary Metabolites and Improve the Yield Potential of Red and Green Lettuce Cultivars. Agronomy, 2022, 12, 1361.	3.0	18
202	Air Distribution in a Fully-Closed Higher Plant Growth Chamber Impacts Crop Performance of Hydroponically-Grown Lettuce. Frontiers in Plant Science, 2020, 11, 537.	3.6	17
203	Iodine Biofortification Counters Micronutrient Deficiency and Improve Functional Quality of Open Field Grown Curly Endive. Horticulturae, 2021, 7, 58.	2.8	17
204	Preharvest Nutrient Deprivation Reconfigures Nitrate, Mineral, and Phytochemical Content of Microgreens. Foods, 2021, 10, 1333.	4.3	17
205	Reducing the Evaporative Demand Improves Photosynthesis and Water Use Efficiency of Indoor Cultivated Lettuce. Agronomy, 2021, 11, 1396.	3.0	17
206	Integration of Phenomics and Metabolomics Datasets Reveals Different Mode of Action of Biostimulants Based on Protein Hydrolysates in Lactuca sativa L. and Solanum lycopersicum L. Under Salinity. Frontiers in Plant Science, 2021, 12, 808711.	3.6	17
207	Developing an Accurate and Fast Non-Destructive Single Leaf Area Model for Loquat (Eriobotrya) Tj ETQq1 1 0.784314 rgBT /Overlock	3.5	16
208	Assessing the Potential of Cereal Production Systems to Adapt to Contrasting Weather Conditions in the Mediterranean Region. Agronomy, 2019, 9, 393.	3.0	16
209	Plant-Based Biostimulant as Sustainable Alternative to Synthetic Growth Regulators in Two Sweet Cherry Cultivars. Plants, 2021, 10, 619.	3.5	16
210	Biostimulation as a Means for Optimizing Fruit Phytochemical Content and Functional Quality of Tomato Landraces of the San Marzano Area. Foods, 2021, 10, 926.	4.3	16
211	Nutrient Solution Deprivation as a Tool to Improve Hydroponics Sustainability: Yield, Physiological, and Qualitative Response of Lettuce. Agronomy, 2021, 11, 1469.	3.0	16
212	Effect of seaweed (Ecklonia maxima) extract and legume-derived protein hydrolysate biostimulants on baby leaf lettuce grown on optimal doses of nitrogen under greenhouse conditions. Australian Journal of Crop Science, 2020, , 1456-1464.	0.3	16
213	Biostimulants Improve Plant Growth and Bioactive Compounds of Young Olive Trees under Abiotic Stress Conditions. Agriculture (Switzerland), 2022, 12, 227.	3.1	16
214	Ameliorating a Complex Urban Ecosystem Through Instrumental Use of Softscape Buffers: Proposal for a Green Infrastructure Network in the Metropolitan Area of Naples. Frontiers in Plant Science, 2019, 10, 410.	3.6	15
215	Pod Morphology, Primary and Secondary Metabolite Profiles in Non-grafted and Grafted Carob Germplasm Are Configured by Agro-Environmental Zone, Genotype, and Growing Season. Frontiers in Plant Science, 2020, 11, 612376.	3.6	15
216	An Appraisal of Urine Derivatives Integrated in the Nitrogen and Phosphorus Inputs of a Lettuce Soilless Cultivation System. Sustainability, 2021, 13, 4218.	3.2	15

#	Article	IF	Citations
217	Dataset on the Effects of Anti-Insect Nets of Different Porosity on Mineral and Organic Acids Profile of Cucurbita pepo L. Fruits and Leaves. Data, 2021, 6, 50.	2.3	15
218	Regulated Salinity Eustress in a Floating Hydroponic Module of Sequentially Harvested Lettuce Modulates Phytochemical Constitution, Plant Resilience, and Post-Harvest Nutraceutical Quality. Agronomy, 2021, 11, 1040.	3.0	15
219	The Effects of Nutrient Solution Feeding Regime on Yield, Mineral Profile, and Phytochemical Composition of Spinach Microgreens. Horticulturae, 2021, 7, 162.	2.8	15
220	Fertigation Strategies for Improving Water Use Efficiency and Limiting Nutrient Loss in Soilless Hippeastrum Production. Hortscience: A Publication of the American Society for Hortcultural Science, 2016, 51, 684-689.	1.0	15
221	An Innovative Vegetative Propagation System for Large-scale Production of Globe Artichoke Transplants. Part I. Propagation System Setup. HortTechnology, 2005, 15, 812-816.	0.9	15
222	Agronomic performance and fruit quality in greenhouse grown eggplant are interactively modulated by iodine dosage and grafting. Scientia Horticulturae, 2022, 295, 110891.	3.6	15
223	Omeprazole Promotes Chloride Exclusion and Induces Salt Tolerance in Greenhouse Basil. Agronomy, 2019, 9, 355.	3.0	14
224	Crop Management in Controlled Environment Agriculture (CEA) Systems Using Predictive Mathematical Models. Sensors, 2020, 20, 3110.	3.8	14
225	Mineral and Antioxidant Attributes of Petroselinum crispum at Different Stages of Ontogeny: Microgreens vs. Baby Greens. Agronomy, 2021, 11, 857.	3.0	14
226	Ontogenetic Variation in the Mineral, Phytochemical and Yield Attributes of Brassicaceous Microgreens. Foods, 2021, 10, 1032.	4.3	14
227	An appraisal of critical factors configuring the composition of basil in minerals, bioactive secondary metabolites, micronutrients and volatile aromatic compounds. Journal of Food Composition and Analysis, 2022, 111, 104582.	3.9	14
228	Reuse of treated municipal wastewater in irrigation: a case study from Lebanon and Jordan. Water and Environment Journal, 2017, 31, 552-558.	2.2	13
229	Understanding the Morpho-Anatomical, Physiological, and Functional Response of Sweet Basil to Isosmotic Nitrate to Chloride Ratios. Biology, 2020, 9, 158.	2.8	13
230	An Appraisal of Biodegradable Mulch Films with Respect to Strawberry Crop Performance and Fruit Quality. Horticulturae, 2020, 6, 48.	2.8	13
231	The Genetic Diversity and Structure of Tomato Landraces from the Campania Region (Southern Italy) Uncovers a Distinct Population Identity. Agronomy, 2021, 11, 564.	3.0	13
232	Trichoderma and Phosphite Elicited Distinctive Secondary Metabolite Signatures in Zucchini Squash Plants. Agronomy, 2021, 11, 1205.	3.0	13
233	Heat- and Ultrasound-Assisted Aqueous Extraction of Soluble Carbohydrates and Phenolics from Carob Kibbles of Variable Size and Source Material. Foods, 2020, 9, 1364.	4.3	12
234	Foliar Application of an Amino Acid-Enriched Urea Fertilizer on â€˜Grecoâ€™ Grapevines at Full Veraison Increases Berry Yeast-Assimilable Nitrogen Content. Plants, 2020, 9, 619.	3.5	12

#	Article	IF	Citations
235	Modulating Vapor Pressure Deficit in the Plant Micro-Environment May Enhance the Bioactive Value of Lettuce. Horticulturae, 2021, 7, 32.	2.8	12
236	Divergent Leaf Morpho-Physiological and Anatomical Adaptations of Four Lettuce Cultivars in Response to Different Greenhouse Irradiance Levels in Early Summer Season. Plants, 2021, 10, 1179.	3.5	12
237	Protein Hydrolysate Combined with Hydroponics Divergently Modifies Growth and Shuffles Pigments and Free Amino Acids of Carrot and Dill Microgreens. Horticulturae, 2021, 7, 279.	2.8	12
238	Effect of the farming system and postharvest frozen storage on quality attributes of two strawberry cultivars. Fruits, 2015, 70, 351-360.	0.4	12
239	A simple and accurate allometric model to predict single leaf area of twenty-one European apricot cultivars. European Journal of Horticultural Science, 2017, 82, 65-71.	0.7	12
240	Morphological and Physio-Biochemical Responses of Watermelon Grafted onto Rootstocks of Wild Watermelon [Citrullus colocynthis (L.) Schrad] and Commercial Interspecific Cucurbita Hybrid to Drought Stress. Horticulturae, 2021, 7, 359.	2.8	12
241	Rate and Timing of Application of Biostimulant Substances to Enhance Fruit Tree Tolerance toward Environmental Stresses and Fruit Quality. Agronomy, 2022, 12, 603.	3.0	12
242	Sprouts, Microgreens and Edible Flowers as Novel Functional Foods. Agronomy, 2021, 11, 2568.	3.0	12
243	Biochemical, Physiological, and Productive Response of Greenhouse Vegetables to Suboptimal Growth Environment Induced by Insect Nets. Biology, 2020, 9, 432.	2.8	11
244	Untargeted Phytochemical Profile, Antioxidant Capacity and Enzyme Inhibitory Activity of Cultivated and Wild Lupin Seeds from Tunisia. Molecules, 2021, 26, 3452.	3.8	11
245	Differential Response to NaCl Osmotic Stress in Sequentially Harvested Hydroponic Red and Green Basil and the Role of Calcium. Frontiers in Plant Science, 2022, 13, 799213.	3.6	11
246	Pearl Grey Shading Net Boosts the Accumulation of Total Carotenoids and Phenolic Compounds That Accentuate the Antioxidant Activity of Processing Tomato. Antioxidants, 2021, 10, 1999.	5.1	11
247	Stand-Alone or Combinatorial Effects of Grafting and Microbial and Non-Microbial Derived Compounds on Vigour, Yield and Nutritive and Functional Quality of Greenhouse Eggplant. Plants, 2022, 11, 1175.	3.5	11
248	Nitrate Uptake and Use Efficiency: Pros and Cons of Chloride Interference in the Vegetable Crops. Frontiers in Plant Science, 0, 13, .	3.6	11
249	Rocket seedling production on the international space station: Growth and nutritional properties. Microgravity Science and Technology, 2007, 19, 118-121.	1.4	10
250	Improved Porosity of Insect Proof Screens Enhances Quality Aspects of Zucchini Squash without Compromising the Yield. Plants, 2020, 9, 1264.	3.5	10
251	Shading Affects Yield, Elemental Composition and Antioxidants of Perennial Wall Rocket Crops Grown from Spring to Summer in Southern Italy. Plants, 2020, 9, 933.	3.5	10
252	Productive Characteristics and Fruit Quality Traits of Cherry Tomato Hybrids as Modulated by Grafting on Different Solanum spp. Rootstocks under Ralstonia solanacearum Infested Greenhouse Soil. Agronomy, 2021, 11, 1311.	3.0	10

#	Article	IF	Citations
253	Optical Characteristics of Greenhouse Plastic Films Affect Yield and Some Quality Traits of Spinach (Spinacia oleracea L.) Subjected to Different Nitrogen Doses. Horticulturae, 2021, 7, 200.	2.8	10
254	Mitigation of High-Temperature Damage by Application of Kaolin and Pinolene on Young Olive Trees (Olea europaea L.): A Preliminary Experiment to Assess Biometric, Eco-Physiological and Nutraceutical Parameters. Agronomy, 2021, 11, 1884.	3.0	10
255	Developing a fast and accurate model to estimate allometrically the total shoot leaf area in grapevines. Scientia Horticulturae, 2020, 259, 108794.	3.6	9
256	Augmenting the Sustainability of Vegetable Cropping Systems by Configuring Rootstock-Dependent Rhizomicrobiomes that Support Plant Protection. Agronomy, 2020, 10, 1185.	3.0	9
257	Phytochemical Profile, Mineral Content, and Bioactive Compounds in Leaves of Seed-Propagated Artichoke Hybrid Cultivars. Molecules, 2020, 25, 3795.	3.8	9
258	Successive Harvests Modulate the Productive and Physiological Behavior of Three Genovese Pesto Basil Cultivars. Agronomy, 2021, 11, 560.	3.0	9
259	The Combination of Mild Salinity Conditions and Exogenously Applied Phenolics Modulates Functional Traits in Lettuce. Plants, 2021, 10, 1457.	3.5	9
260	Vegetal-protein hydrolysates based microgranule enhances growth, mineral content, and quality traits of vegetable transplants. Scientia Horticulturae, 2021, 290, 110554.	3.6	9
261	Metabolomics and Physiological Insights into the Ability of Exogenously Applied Chlorogenic Acid and Hesperidin to Modulate Salt Stress in Lettuce Distinctively. Molecules, 2021, 26, 6291.	3.8	9
262	Assessing the effect of P-solubilizing bacteria and mycorrhizal fungi on tomato yield and quality under different crop rotations. Scientia Horticulturae, 2022, 293, 110740.	3.6	9
263	Assessment of Yield and Nitrate Content of Wall Rocket Grown under Diffuse-Light- or Clear-Plastic Films and Subjected to Different Nitrogen Fertilization Levels and Biostimulant Application. Horticulturae, 2022, 8, 138.	2.8	9
264	Water Stress Alleviation Effects of Biostimulants on Greenhouse-Grown Tomato Fruit. Horticulturae, 2022, 8, 645.	2.8	9
265	Genotypic, storage and processing effects on compositional and bioactive components of fresh sprouts. LWT - Food Science and Technology, 2017, 85, 394-399.	5.2	8
266	Appraisal of Salt Tolerance under Greenhouse Conditions of a Cucurbitaceae Genetic Repository of Potential Rootstocks and Scions. Agronomy, 2020, 10, 967.	3.0	8
267	Responses of sweet pepper (Capsicum annum L.) cultivated in a closed hydroponic system to variable calcium concentrations in the nutrient solution. Journal of the Science of Food and Agriculture, 2021, 101, 4342-4349.	3.5	8
268	Counteracting the Negative Effects of Copper Limitations Through the Biostimulatory Action of a Tropical Plant Extract in Grapevine Under Pedo-Climatic Constraints. Frontiers in Environmental Science, 2021, 9, .	3.3	8
269	Root Zone Management for Improving Seedling Quality of Organically Produced Horticultural Crops. Agronomy, 2021, 11, 630.	3.0	8
270	Foliar application of plant-based biostimulants improve yield and upgrade qualitative characteristics of processing tomato. Italian Journal of Agronomy, 2021, 16, .	1.0	8

#	Article	IF	Citations
271	Trichoderma spp. and Mulching Films Differentially Boost Qualitative and Quantitative Aspects of Greenhouse Lettuce under Diverse N Conditions. Horticulturae, 2020, 6, 55.	2.8	7
272	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. Data in Brief, 2020, 29, 105135.	1.0	7
273	Biowaste-Derived Humic-like Substances Improve Growth and Quality of Orange Jasmine (Murraya) Tj ETQq1 1 0.784314 rgBT /Overlock	3.5	7
274	Unraveling the Modulation of Controlled Salinity Stress on Morphometric Traits, Mineral Profile, and Bioactive Metabolome Equilibrium in Hydroponic Basil. Horticulturae, 2021, 7, 273.	2.8	7
275	Growth, Quality Index, and Mineral Composition of Five Ornamental Cabbage Cultivars Grown Under Different Nitrogen Fertilization Rates. Hortscience: A Publication of the American Society for Hortcultural Science, 2015, 50, 688-693.	1.0	7
276	Phytochemical Responses to Salt Stress in Red and Green Baby Leaf Lettuce (Lactuca sativa L.) Varieties Grown in a Floating Hydroponic Module. Separations, 2021, 8, 175.	2.4	7
277	The Complex Metabolomics Crosstalk Triggered by Four Molecular Elicitors in Tomato. Plants, 2022, 11, 678.	3.5	7
278	Bioactive Compounds and Antioxidant Activity of Lettuce Grown in Different Mixtures of Monogastric-Based Manure With Lunar and Martian Soils. Frontiers in Nutrition, 2022, 9, 890786.	3.7	7
279	Morpho-Metric and Specialized Metabolites Modulation of Parsley Microgreens through Selective LED Wavebands. Agronomy, 2022, 12, 1502.	3.0	7
280	Grafting as a Sustainable Means for Securing Yield Stability and Quality in Vegetable Crops. Agronomy, 2020, 10, 1945.	3.0	6
281	Isosmotic Macrocation Variation Modulates Mineral Efficiency, Morpho-Physiological Traits, and Functional Properties in Hydroponically Grown Lettuce Varieties (Lactuca sativa L.). Frontiers in Plant Science, 2021, 12, 678799.	3.6	6
282	Changes in the primary and secondary metabolome of male green asparagus (Asparagus officinalis L.) as modulated by sequential harvesting. Food Chemistry, 2021, 358, 129877.	8.2	6
283	INFLUENCE OF CONTAINER VOLUME AND IRRIGATION SYSTEM ON PHOTOSYNTHESIS, WATER PRODUCTIVITY AND GROWTH OF POTTED EUPHORBIA Ã— LOMI. Acta Scientiarum Polonorum, Hortorum Cultus, 2017, 16, 163-171.	0.6	6
284	Productivity, nutritional and functional qualities of perennial wall-rocket: Effects of pre-harvest factors. Folia Horticulturae, 2019, 31, 71-80.	1.8	6
285	The Bioactive Compounds and Fatty Acid Profile of Bitter Apple Seed Oil Obtained in Hot, Arid Environments. Horticulturae, 2022, 8, 259.	2.8	6
286	Modelling Evapotranspiration of Container Crops for Irrigation Scheduling. , 0, , .		5
287	Evaluation of bitter apple (Citrullus colocynthis (L.) Schrad) as potential rootstock for watermelon. Australian Journal of Crop Science, 2017, 11, 727-732.	0.3	5
288	Stimulation in the movement and uptake of phosphorus in response to magnetic P solution and arbuscular mycorrhizal fungi in Ocimum basilicum. Journal of Plant Nutrition, 2018, 41, 1662-1673.	1.9	5

#	Article	IF	Citations
289	An Appraisal of Calcium Cyanamide as Alternative N Source for Spring-Summer and Fall Season Curly Endive Crops: Effects on Crop Performance, NUE and Functional Quality Components. Agronomy, 2020, 10, 1357.	3.0	5
290	The Modulation of Auxin-Responsive Genes, Phytohormone Profile, and Metabolomic Signature in Leaves of Tomato Cuttings Is Specifically Modulated by Different Protein Hydrolysates. Agronomy, 2021, 11, 1524.	3.0	5
291	Combined Influence of Grafting and Type of Protected Environment Structure on Agronomic and Physiological Traits of Single- and Cluster-Fruit-Bearing Cucumber Hybrids. Agronomy, 2021, 11, 1604.	3.0	5
292	Growth and water use efficiency of potted Murraya paniculata as affected by irrigation system and container size. European Journal of Horticultural Science, 2015, 80, 81-86.	0.7	5
293	Effects of NaCl and CaCl2 Salinization on Morpho-Anatomical and Physiological Traits of Potted Callistemon citrinus Plants. Forests, 2021, 12, 1666.	2.1	5
294	A Plant Characterization Unit for Closed Life Support: Hardware and Control Design for Atmospheric Systems. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	5
295	Biostimulatory Action of a Plant-Derived Protein Hydrolysate on Morphological Traits, Photosynthetic Parameters, and Mineral Composition of Two Basil Cultivars Grown Hydroponically under Variable Electrical Conductivity. Horticulturae, 2022, 8, 409.	2.8	5
296	Biostimulatory Action of Vegetal Protein Hydrolysate Compensates for Reduced Strength Nutrient Supply in a Floating Raft System by Enhancing Performance and Qualitative Features of â€œGenoveseâ€• Basil. Frontiers in Plant Science, 2022, 13, .	3.6	5
297	Macro and trace element mineral composition of six hemp varieties grown as microgreens. Journal of Food Composition and Analysis, 2022, 114, 104750.	3.9	5
298	Modulatory Effects of Interspecific and Gourd Rootstocks on Crop Performance, Physicochemical Quality, Bioactive Components and Postharvest Performance of Diploid and Triploid Watermelon Scions. Agronomy, 2020, 10, 1396.	3.0	4
299	Using Microgranular-Based Biostimulant in Vegetable Transplant Production to Enhance Growth and Nitrogen Uptake. Agronomy, 2020, 10, 842.	3.0	4
300	Intraspecific Variability Largely Affects the Leaf Metabolomics Response to Isosmotic Macrocation Variations in Two Divergent Lettuce (Lactuca sativa L.) Varieties. Plants, 2021, 10, 91.	3.5	4
301	Biostimulant Application Improves Yield Parameters and Accentuates Fruit Color of Annurca Apples. Agronomy, 2021, 11, 715.	3.0	4
302	Biostimulatory Action of Vegetal Protein Hydrolysate and the Configuration of Fruit Physicochemical Characteristics in Grafted Watermelon. Horticulturae, 2021, 7, 313.	2.8	4
303	Phytochemical Constituents and Biological Activities of the Unexplored Plant Rhinanthus angustifolius subsp. grandiflorus. Applied Sciences (Switzerland), 2021, 11, 9162.	2.5	4
304	Untargeted Phenolic Profiling and Functional Insights of the Aerial Parts and Bulbs of Drimia maritima (L.) Stearn. Plants, 2022, 11, 600.	3.5	4
305	Configuration of the Volatile Aromatic Profile of Carob Powder Milled From Pods of Genetic Variants Harvested at Progressive Stages of Ripening From High and Low Altitudes. Frontiers in Nutrition, 2021, 8, 789169.	3.7	4
306	Can Seaweed Extract Improve Yield and Quality of Brewing Barley Subjected to Different Levels of Nitrogen Fertilization?. Agronomy, 2021, 11, 2481.	3.0	4

#	Article	IF	Citations
307	Analysis of Cultivar-Specific Variability in Size-Related Leaf Traits and Modeling of Single Leaf Area in Three Medicinal and Aromatic Plants: Ocimum basilicum L., Mentha Spp., and Salvia Spp.. Plants, 2020, 9, 13.	3.5	3
308	1-Methylcyclopropene Improves Postharvest Performances and Sensorial Attributes of Annurca-Type Apples Exposed to the Traditional Reddening in Open-Field Melaio. Agronomy, 2021, 11, 1056.	3.0	3
309	Configuration by Osmotic Eustress Agents of the Morphometric Characteristics and the Polyphenolic Content of Differently Pigmented Baby Lettuce Varieties in Two Successive Harvests. Horticulturae, 2021, 7, 264.	2.8	3
310	Development Changes in the Physicochemical Composition and Mineral Profile of Red-Fleshed Dragon Fruit Grown under Semi-Arid Conditions. Agronomy, 2022, 12, 355.	3.0	3
311	Changes in Morpho-Anatomical and Eco-Physiological Responses of Viburnum tinus L. var lucidum as Modulated by Sodium Chloride and Calcium Chloride Salinization. Horticulturae, 2022, 8, 119.	2.8	3
312	Chemical, Functional, and Technological Features of Grains, Brans, and Semolina from Purple and Red Durum Wheat Landraces. Foods, 2022, 11, 1545.	4.3	3
313	Dataset on the Effects of Different Pre-Harvest Factors on the Metabolomics Profile of Lettuce (Lactuca sativa L.) Leaves. Data, 2020, 5, 119.	2.3	2
314	Ushering horticulture into a new era of research-based novelty. Italus Hortus, 0, 27, 1-1.	0.9	2
315	Root Knot Nematode Presence and Its Integrated Management in Pomegranate Orchards Located in Indian Arid Areas. Horticulturae, 2022, 8, 160.	2.8	2
316	Between Light and Shading: Morphological, Biochemical, and Metabolomics Insights Into the Influence of Blue Photoselective Shading on Vegetable Seedlings. Frontiers in Plant Science, 2022, 13, .	3.6	2
317	Improving Bell Pepper Crop Performance and Fruit Quality under Suboptimal Calcium Conditions by Grafting onto Tolerant Rootstocks. Agronomy, 2022, 12, 1644.	3.0	1
318	1H NMR metabolic profiling dataset of spiny chicory (Cichorium spinosum L.) exposed to abiotic stresses. Data in Brief, 2020, 30, 105622.	1.0	0
319	Configuration of basil quality and aroma profile in response to cultivar, cut number and salinity source. , 2017, , .		0
320	Drip application of a biopolymer-based biostimulant enhances root growth and nutrient uptake of processing tomato. , 2017, , .		0
321	Effects of genotypes, plant density and N rates on yield and quality of spinach. , 2017, , .		0
322	Regolith as Baseline to a Future Space Farm. Biology and Life Sciences Forum, 2021, 3, .	0.6	0