

Youssef Roupael

List of Publications by Year in descending order

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Version: 2024-02-01

322
papers

17,637
citations

10956

71
h-index

20900

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. <i>Scientia Horticulturae</i> , 2015, 196, 91-108.	1.7	483
2	Protein hydrolysates as biostimulants in horticulture. <i>Scientia Horticulturae</i> , 2015, 196, 28-38.	1.7	455
3	Grafting as a tool to improve tolerance of vegetables to abiotic stresses: Thermal stress, water stress and organic pollutants. <i>Scientia Horticulturae</i> , 2010, 127, 162-171.	1.7	417
4	Editorial: Biostimulants in Agriculture. <i>Frontiers in Plant Science</i> , 2020, 11, 40.	1.7	404
5	Biostimulant Action of Protein Hydrolysates: Unraveling Their Effects on Plant Physiology and Microbiome. <i>Frontiers in Plant Science</i> , 2017, 8, 2202.	1.7	367
6	Biostimulant action of a plant-derived protein hydrolysate produced through enzymatic hydrolysis. <i>Frontiers in Plant Science</i> , 2014, 5, 448.	1.7	323
7	The effect of a plant-derived biostimulant on metabolic profiling and crop performance of lettuce grown under saline conditions. <i>Scientia Horticulturae</i> , 2015, 182, 124-133.	1.7	310
8	Synergistic Biostimulatory Action: Designing the Next Generation of Plant Biostimulants for Sustainable Agriculture. <i>Frontiers in Plant Science</i> , 2018, 9, 1655.	1.7	298
9	Impact of grafting on product quality of fruit vegetables. <i>Scientia Horticulturae</i> , 2010, 127, 172-179.	1.7	290
10	Micro-scale vegetable production and the rise of microgreens. <i>Trends in Food Science and Technology</i> , 2016, 57, 103-115.	7.8	263
11	Towards a new definition of quality for fresh fruits and vegetables. <i>Scientia Horticulturae</i> , 2018, 234, 463-469.	1.7	241
12	Improving vegetable quality in controlled environments. <i>Scientia Horticulturae</i> , 2018, 234, 275-289.	1.7	233
13	Role of grafting in vegetable crops grown under saline conditions. <i>Scientia Horticulturae</i> , 2010, 127, 147-155.	1.7	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. <i>Scientia Horticulturae</i> , 2017, 226, 353-360.	1.7	226
15	Trichoderma-Based Biostimulants Modulate Rhizosphere Microbial Populations and Improve N Uptake Efficiency, Yield, and Nutritional Quality of Leafy Vegetables. <i>Frontiers in Plant Science</i> , 2018, 9, 743.	1.7	224
16	Co-inoculation of <i>Glomus intraradices</i> and <i>Trichoderma atroviride</i> acts as a biostimulant to promote growth, yield and nutrient uptake of vegetable crops. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 1706-1715.	1.7	223
17	Synergistic Action of a Microbial-based Biostimulant and a Plant Derived-Protein Hydrolysate Enhances Lettuce Tolerance to Alkalinity and Salinity. <i>Frontiers in Plant Science</i> , 2017, 08, 131.	1.7	213
18	Amelioration of heavy metal and nutrient stress in fruit vegetables by grafting. <i>Scientia Horticulturae</i> , 2010, 127, 156-161.	1.7	212

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19	Nitrate in fruits and vegetables. <i>Scientia Horticulturae</i> , 2018, 237, 221-238.	1.7	199
20	Alleviation of salt stress by arbuscular mycorrhizal in zucchini plants grown at low and high phosphorus concentration. <i>Biology and Fertility of Soils</i> , 2008, 44, 501-509.	2.3	195
21	High-Throughput Plant Phenotyping for Developing Novel Biostimulants: From Lab to Field or From Field to Lab?. <i>Frontiers in Plant Science</i> , 2018, 9, 1197.	1.7	193
22	Renewable Sources of Plant Biostimulation: Microalgae as a Sustainable Means to Improve Crop Performance. <i>Frontiers in Plant Science</i> , 2018, 9, 1782.	1.7	184
23	Yield, Mineral Composition, Water Relations, and Water Use Efficiency of Grafted Mini-watermelon Plants Under Deficit Irrigation. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 730-736.	0.5	183
24	Foliar Applications of Protein Hydrolysate, Plant and Seaweed Extracts Increase Yield but Differentially Modulate Fruit Quality of Greenhouse Tomato. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2017, 52, 1214-1220.	0.5	175
25	Vegetable Grafting: The Implications of a Growing Agronomic Imperative for Vegetable Fruit Quality and Nutritive Value. <i>Frontiers in Plant Science</i> , 2017, 8, 741.	1.7	172
26	Nutritional quality of ten leafy vegetables harvested at two light intensities. <i>Food Chemistry</i> , 2016, 199, 702-710.	4.2	171
27	Plant- and Seaweed-Based Extracts Increase Yield but Differentially Modulate Nutritional Quality of Greenhouse Spinach through Biostimulant Action. <i>Agronomy</i> , 2018, 8, 126.	1.3	160
28	Nutrient solution concentration and growing season affect yield and quality of <i>Lactuca sativa</i> L. var. <i>acephala</i> in floating raft culture. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 1682-1689.	1.7	154
29	Effect of <i>Ecklonia maxima</i> seaweed extract on yield, mineral composition, gas exchange, and leaf anatomy of zucchini squash grown under saline conditions. <i>Journal of Applied Phycology</i> , 2017, 29, 459-470.	1.5	153
30	Changes in Antioxidant Content of Tomato Fruits in Response to Cultivar and Nutrient Solution Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 4319-4325.	2.4	146
31	Vegetable Grafting as a Tool to Improve Drought Resistance and Water Use Efficiency. <i>Frontiers in Plant Science</i> , 2017, 8, 1130.	1.7	143
32	Grafting of cucumber as a means to minimize copper toxicity. <i>Environmental and Experimental Botany</i> , 2008, 63, 49-58.	2.0	142
33	Fruit quality of mini-watermelon as affected by grafting and irrigation regimes. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 1107-1114.	1.7	127
34	Evapotranspiration, seed yield and water use efficiency of drip irrigated sunflower under full and deficit irrigation conditions. <i>Agricultural Water Management</i> , 2007, 90, 213-223.	2.4	125
35	Evapotranspiration and seed yield of field grown soybean under deficit irrigation conditions. <i>Agricultural Water Management</i> , 2005, 75, 226-244.	2.4	121
36	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

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37	Improving Nitrogen Use Efficiency in Melon by Grafting. Hortscience: A Publication of the American Society for Horticultural Science, 2010, 45, 559-565.	0.5	114
38	Insight into the role of grafting and arbuscular mycorrhiza on cadmium stress tolerance in tomato. Frontiers in Plant Science, 2015, 6, 477.	1.7	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.	1.7	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.	1.7	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.	1.7	108
42	Response and Defence Mechanisms of Vegetable Crops against Drought, Heat and Salinity Stress. Agriculture (Switzerland), 2021, 11, 463.	1.4	104
43	A simple model for estimating leaf area of hazelnut from linear measurements. Scientia Horticulturae, 2007, 113, 221-225.	1.7	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.	0.9	103
45	Grafting cucumber plants enhance tolerance to sodium chloride and sulfate salinization. Scientia Horticulturae, 2012, 135, 177-185.	1.7	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.	1.7	102
47	Metabolomic responses triggered by arbuscular mycorrhiza enhance tolerance to water stress in wheat cultivars. Plant Physiology and Biochemistry, 2019, 137, 203-212.	2.8	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.	1.7	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.	1.7	100
50	Toward a Sustainable Agriculture Through Plant Biostimulants: From Experimental Data to Practical Applications. Agronomy, 2020, 10, 1461.	1.3	99
51	The effectiveness of grafting to improve alkalinity tolerance in watermelon. Environmental and Experimental Botany, 2010, 68, 283-291.	2.0	98
52	Vegetable Grafting: A Toolbox for Securing Yield Stability under Multiple Stress Conditions. Frontiers in Plant Science, 2017, 8, 2255.	1.7	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.	1.7	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.	4.2	94

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55	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
56	Salinity as eustressor for enhancing quality of vegetables. <i>Scientia Horticulturae</i> , 2018, 234, 361-369.	1.7	92
57	Enhancing Quality of Fresh Vegetables Through Salinity Eustress and Biofortification Applications Facilitated by Soilless Cultivation. <i>Frontiers in Plant Science</i> , 2018, 9, 1254.	1.7	91
58	The effectiveness of grafting to improve NaCl and CaCl ₂ tolerance in cucumber. <i>Scientia Horticulturae</i> , 2013, 164, 380-391.	1.7	90
59	Plant-Based Biostimulants Influence the Agronomical, Physiological, and Qualitative Responses of Baby Rocket Leaves under Diverse Nitrogen Conditions. <i>Plants</i> , 2019, 8, 522.	1.6	89
60	Watermelon and melon fruit quality: The genotypic and agro-environmental factors implicated. <i>Scientia Horticulturae</i> , 2018, 234, 393-408.	1.7	87
61	Evaluation of Rootstock Resistance to Fusarium Wilt and Gummy Stem Blight and Effect on Yield and Quality of a Grafted "Inodorus"™ Melon. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 521-525.	0.5	87
62	Microgreens as a Component of Space Life Support Systems: A Cornucopia of Functional Food. <i>Frontiers in Plant Science</i> , 2017, 8, 1587.	1.7	83
63	Comparison of the subirrigation and drip-irrigation systems for greenhouse zucchini squash production using saline and non-saline nutrient solutions. <i>Agricultural Water Management</i> , 2006, 82, 99-117.	2.4	81
64	Zinc Excess Triggered Polyamines Accumulation in Lettuce Root Metabolome, As Compared to Osmotic Stress under High Salinity. <i>Frontiers in Plant Science</i> , 2016, 7, 842.	1.7	81
65	Nitrogen-use efficiency traits of mini-watermelon in response to grafting and nitrogen-fertilization doses. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 933-941.	1.1	80
66	Yield and water-production functions of two durum wheat cultivars grown under different irrigation and nitrogen regimes. <i>Agricultural Water Management</i> , 2009, 96, 603-615.	2.4	79
67	Mild Potassium Chloride Stress Alters the Mineral Composition, Hormone Network, and Phenolic Profile in Artichoke Leaves. <i>Frontiers in Plant Science</i> , 2016, 7, 948.	1.7	79
68	Morpho-anatomical, physiological and biochemical adaptive responses to saline water of <i>Bougainvillea spectabilis</i> Willd. trained to different canopy shapes. <i>Agricultural Water Management</i> , 2019, 212, 12-22.	2.4	78
69	Inoculation of <i>Rhizoglossum irregulare</i> or <i>Trichoderma atroviride</i> differentially modulates metabolite profiling of wheat root exudates. <i>Phytochemistry</i> , 2019, 157, 158-167.	1.4	76
70	Effects of Drought on Nutrient Uptake and Assimilation in Vegetable Crops. , 2012, , 171-195.		75
71	Modeling individual leaf area of rose (<i>Rosa hybrida</i> L.) based on leaf length and width measurement. <i>Photosynthetica</i> , 2010, 48, 9-15.	0.9	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. <i>Agronomy</i> , 2019, 9, 571.	1.3	70

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73	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.	1.3	70
74	Nitrogen Use and Uptake Efficiency and Crop Performance of Baby Spinach (<i>Spinacia oleracea</i> L.) and Lamb's Lettuce (<i>Valerianella locusta</i> L.) Grown under Variable Sub-Optimal N Regimes Combined with Plant-Based Biostimulant Application. <i>Agronomy</i> , 2020, 10, 278.	1.3	70
75	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
76	Protein Hydrolysate or Plant Extract-based Biostimulants Enhanced Yield and Quality Performances of Greenhouse Perennial Wall Rocket Grown in Different Seasons. <i>Plants</i> , 2019, 8, 208.	1.6	67
77	Selenium Biofortification Impacts the Nutritive Value, Polyphenolic Content, and Bioactive Constitution of Variable Microgreens Genotypes. <i>Antioxidants</i> , 2020, 9, 272.	2.2	67
78	Growth-promoting bacteria and arbuscular mycorrhizal fungi differentially benefit tomato and corn depending upon the supplied form of phosphorus. <i>Mycorrhiza</i> , 2020, 30, 133-147.	1.3	66
79	Enhancing Sustainability by Improving Plant Salt Tolerance through Macro- and Micro-Algal Biostimulants. <i>Biology</i> , 2020, 9, 253.	1.3	66
80	Leaf area estimation of sunflower leaves from simple linear measurements. <i>Photosynthetica</i> , 2007, 45, 306-308.	0.9	65
81	Changes in Biomass, Mineral Composition, and Quality of Cardoon in Response to NO ₃ :Cl ⁻ Ratio and Nitrate Deprivation from the Nutrient Solution. <i>Frontiers in Plant Science</i> , 2016, 7, 978.	1.7	65
82	Water use and lint yield response of drip irrigated cotton to the length of irrigation season. <i>Agricultural Water Management</i> , 2006, 85, 287-295.	2.4	63
83	Grafting Tomato as a Tool to Improve Salt Tolerance. <i>Agronomy</i> , 2020, 10, 263.	1.3	63
84	Phenolic Compounds and Sesquiterpene Lactones Profile in Leaves of Nineteen Artichoke Cultivars. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8540-8548.	2.4	61
85	The influence of irrigation system and nutrient solution concentration on potted geranium production under various conditions of radiation and temperature. <i>Scientia Horticulturae</i> , 2008, 118, 328-337.	1.7	59
86	Configuration of watermelon fruit quality in response to rootstock-mediated harvest maturity and postharvest storage. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 2400-2409.	1.7	59
87	Role of arbuscular mycorrhizal fungi in alleviating the adverse effects of acidity and aluminium toxicity in zucchini squash. <i>Scientia Horticulturae</i> , 2015, 188, 97-105.	1.7	58
88	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
89	Leaf Area Estimation Model for Small Fruits from Linear Measurements. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 2263-2267.	0.5	58
90	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

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91	Radiation and water use efficiencies of greenhouse zucchini squash in relation to different climate parameters. <i>European Journal of Agronomy</i> , 2005, 23, 183-194.	1.9	55
92	Enhancement of alkalinity tolerance in two cucumber genotypes inoculated with an arbuscular mycorrhizal biofertilizer containing <i>Glomus intraradices</i> . <i>Biology and Fertility of Soils</i> , 2010, 46, 499-509.	2.3	55
93	Arbuscular Mycorrhizas: A Promising Component of Plant Production Systems Provided Favorable Conditions for Their Growth. <i>Frontiers in Plant Science</i> , 2018, 9, 1329.	1.7	54
94	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
95	Metabolomic Responses of Maize Shoots and Roots Elicited by Combinatorial Seed Treatments With Microbial and Non-microbial Biostimulants. <i>Frontiers in Microbiology</i> , 2020, 11, 664.	1.5	54
96	Microalgae: New Source of Plant Biostimulants. <i>Agronomy</i> , 2020, 10, 1240.	1.3	53
97	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
98	Yield and Nutritional Quality of Vesuvian Piennolo Tomato PDO as Affected by Farming System and Biostimulant Application. <i>Agronomy</i> , 2019, 9, 505.	1.3	52
99	Physiological quality of organically grown vegetables. <i>Scientia Horticulturae</i> , 2016, 208, 131-139.	1.7	51
100	Irrigation management of European greenhouse vegetable crops. <i>Agricultural Water Management</i> , 2020, 242, 106393.	2.4	51
101	Effect of nickel and grafting combination on yield, fruit quality, antioxidative enzyme activities, lipid peroxidation, and mineral composition of tomato. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 848-860.	1.1	49
102	Profile of bioactive secondary metabolites and antioxidant capacity of leaf exudates from eighteen Aloe species. <i>Industrial Crops and Products</i> , 2017, 108, 44-51.	2.5	49
103	Grown to Be Blue Antioxidant Properties and Health Effects of Colored Vegetables. Part II: Leafy, Fruit, and Other Vegetables. <i>Antioxidants</i> , 2020, 9, 97.	2.2	49
104	Nutrient Solution Concentration Affects Growth, Mineral Composition, Phenolic Acids, and Flavonoids in Leaves of Artichoke and Cardoon. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012, 47, 1424-1429.	0.5	49
105	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
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. <i>Antioxidants</i> , 2020, 9, 300.	2.2	48
107	Collection time, cutting age, IBA and putrescine effects on root formation in <i>Corylus avellana</i> L. cuttings. <i>Scientia Horticulturae</i> , 2010, 124, 189-194.	1.7	47
108	Application of <i>Trichoderma harzianum</i> , 6-Pentyl-1 π -pyrone and Plant Biopolymer Formulations Modulate Plant Metabolism and Fruit Quality of Plum Tomatoes. <i>Plants</i> , 2020, 9, 771.	1.6	46

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109	A non-destructive, simple and accurate model for estimating the individual leaf area of kiwi (<i>Actinidia</i>) Tj ETQq1 1 0,784314 rgBT /Ove	0,3	45
110	Chitosan treatment elicited defence mechanisms, pentacyclic triterpenoids and stilbene accumulation in grape (<i>Vitis vinifera</i> L.) bunches. <i>Phytochemistry</i> , 2018, 156, 1-8.	1.4	42
111	Plant-Based Protein Hydrolysate Improves Salinity Tolerance in Hemp: Agronomical and Physiological Aspects. <i>Agronomy</i> , 2021, 11, 342.	1.3	42
112	Effects of vegetal- versus animal-derived protein hydrolysate on sweet basil morpho-physiological and metabolic traits. <i>Scientia Horticulturae</i> , 2021, 284, 110123.	1.7	42
113	Biostimulant Substances for Sustainable Agriculture: Origin, Operating Mechanisms and Effects on Cucurbits, Leafy Greens, and Nightshade Vegetables Species. <i>Biomolecules</i> , 2021, 11, 1103.	1.8	42
114	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
115	Vapour pressure deficit: The hidden driver behind plant morphofunctional traits in controlled environments. <i>Annals of Applied Biology</i> , 2019, 175, 313-325.	1.3	41
116	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
117	Appraisal of emerging crop management opportunities in fruit trees, grapevines and berry crops facilitated by the application of biostimulants. <i>Scientia Horticulturae</i> , 2020, 267, 109330.	1.7	41
118	Genotype and Successive Harvests Interaction Affects Phenolic Acids and Aroma Profile of Genovese Basil for Pesto Sauce Production. <i>Foods</i> , 2021, 10, 278.	1.9	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. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 306-311.	0.5	41
120	Yield and water use of eggplants (<i>Solanum melongena</i> L.) under full and deficit irrigation regimes. <i>Agricultural Water Management</i> , 2011, 98, 1307-1316.	2.4	40
121	An endophytic fungi-based biostimulant modulated lettuce yield, physiological and functional quality responses to both moderate and severe water limitation. <i>Scientia Horticulturae</i> , 2019, 256, 108595.	1.7	40
122	Sensory Attributes and Consumer Acceptability of 12 Microgreens Species. <i>Agronomy</i> , 2020, 10, 1043.	1.3	40
123	Envisioning the Future of European Food Systems: Approaches and Research Priorities After COVID-19. <i>Frontiers in Sustainable Food Systems</i> , 0, 5, .	1.8	40
124	Foliar Application of Different Vegetal-Derived Protein Hydrolysates Distinctively Modulates Tomato Root Development and Metabolism. <i>Plants</i> , 2021, 10, 326.	1.6	39
125	Chemical Eustress Elicits Tailored Responses and Enhances the Functional Quality of Novel Food <i>Perilla frutescens</i> . <i>Molecules</i> , 2019, 24, 185.	1.7	37
126	Celery (<i>Apium graveolens</i> L.) Performances as Subjected to Different Sources of Protein Hydrolysates. <i>Plants</i> , 2020, 9, 1633.	1.6	37

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127	Salinity source alters mineral composition and metabolism of <i>Cichorium spinosum</i> . <i>Environmental and Experimental Botany</i> , 2017, 141, 113-123.	2.0	35
128	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
129	Rootstock and Arbuscular Mycorrhiza Combinatorial Effects on Eggplant Crop Performance and Fruit Quality under Greenhouse Conditions. <i>Agronomy</i> , 2020, 10, 693.	1.3	35
130	Selenium biofortification and grafting modulate plant performance and functional features of cherry tomato grown in a soilless system. <i>Scientia Horticulturae</i> , 2021, 285, 110095.	1.7	35
131	Seed Treatments with Microorganisms Can Have a Biostimulant Effect by Influencing Germination and Seedling Growth of Crops. <i>Plants</i> , 2022, 11, 259.	1.6	35
132	Can Adverse Effects of Acidity and Aluminum Toxicity Be Alleviated by Appropriate Rootstock Selection in Cucumber?. <i>Frontiers in Plant Science</i> , 2016, 7, 1283.	1.7	34
133	Effects of high salinity and the exogenous application of an osmolyte on growth, photosynthesis, and mineral composition in two ornamental shrubs. <i>Journal of Horticultural Science and Biotechnology</i> , 2016, 91, 14-22.	0.9	34
134	Analyzing the Environmental Impact of Chemically-Produced Protein Hydrolysate from Leather Waste vs. Enzymatically-Produced Protein Hydrolysate from Legume Grains. <i>Agriculture (Switzerland)</i> , 2017, 7, 62.	1.4	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. <i>Life</i> , 2019, 9, 61.	1.1	34
136	Grown to be Blue—Antioxidant Properties and Health Effects of Colored Vegetables. Part I: Root Vegetables. <i>Antioxidants</i> , 2019, 8, 617.	2.2	34
137	The occurrence of nitrate and nitrite in Mediterranean fresh salad vegetables and its modulation by preharvest practices and postharvest conditions. <i>Food Chemistry</i> , 2019, 285, 468-477.	4.2	33
138	Appraisal of Biodegradable Mulching Films and Vegetal-Derived Biostimulant Application as Eco-Sustainable Practices for Enhancing Lettuce Crop Performance and Nutritive Value. <i>Agronomy</i> , 2020, 10, 427.	1.3	33
139	Challenges for a Sustainable Food Production System on Board of the International Space Station: A Technical Review. <i>Agronomy</i> , 2020, 10, 687.	1.3	32
140	Combining Molecular Weight Fractionation and Metabolomics to Elucidate the Bioactivity of Vegetal Protein Hydrolysates in Tomato Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 976.	1.7	32
141	Seed Priming With Protein Hydrolysates Improves Arabidopsis Growth and Stress Tolerance to Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2021, 12, 626301.	1.7	32
142	Modelling the transpiration of a greenhouse zucchini crop grown under a Mediterranean climate using the Penman-Monteith equation and its simplified version. <i>Australian Journal of Agricultural Research</i> , 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. <i>Agronomy</i> , 2020, 10, 1358.	1.3	31
144	Metabolic Insights into the Anion-Anion Antagonism in Sweet Basil: Effects of Different Nitrate/Chloride Ratios in the Nutrient Solution. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2482.	1.8	31

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146	Agronomical, physiological and fruit quality responses of two Italian long-storage tomato landraces under rain-fed and full irrigation conditions. <i>Agricultural Water Management</i> , 2017, 180, 126-135.	2.4	30
147	Stand-Alone and Combinatorial Effects of Plant-based Biostimulants on the Production and Leaf Quality of Perennial Wall Rocket. <i>Plants</i> , 2020, 9, 922.	1.6	30
148	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
149	Effects of partial root-zone drying irrigation on yield, fruit quality, and water-use efficiency in processing tomato. <i>Journal of Horticultural Science and Biotechnology</i> , 2014, 89, 389-396.	0.9	29
150	Simple and accurate allometric model for leaf area estimation in <i>Vitis vinifera</i> L. genotypes. <i>Photosynthetica</i> , 2015, 53, 342-348.	0.9	29
151	Successive Harvests Affect Yield, Quality and Metabolic Profile of Sweet Basil (<i>Ocimum basilicum</i> L.). <i>Agronomy</i> , 2020, 10, 830.	1.3	29
152	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
153	Biochemical, Physiological and Anatomical Mechanisms of Adaptation of <i>Callistemon citrinus</i> and <i>Viburnum lucidum</i> to NaCl and CaCl ₂ Salinization. <i>Frontiers in Plant Science</i> , 2019, 10, 742.	1.7	28
154	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
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156	Grafting artichoke onto cardoon rootstocks: Graft compatibility, yield and Verticillium wilt incidence. <i>Scientia Horticulturae</i> , 2013, 149, 22-27.	1.7	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. <i>Agronomy</i> , 2021, 11, 1194.	1.3	27
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160	Antioxidant properties of raw and cooked spears of green asparagus cultivars. <i>International Journal of Food Science and Technology</i> , 2009, 44, 1017-1023.	1.3	26
161	Mitigation of alkaline stress by arbuscular mycorrhiza in zucchini plants grown under mineral and organic fertilization. <i>Journal of Plant Nutrition and Soil Science</i> , 2010, 173, 778-787.	1.1	26
162	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

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164	Biochemical and histological contributions to textural changes in watermelon fruit modulated by grafting. <i>Food Chemistry</i> , 2017, 237, 133-140.	4.2	25
165	<i>Diplotaxis tenuifolia</i> (L.) DC. Yield and Quality as Influenced by Cropping Season, Protein Hydrolysates, and Trichoderma Applications. <i>Plants</i> , 2020, 9, 697.	1.6	25
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172	Validation of a leaf area prediction model proposed for rose. <i>Chilean Journal of Agricultural Research</i> , 2013, 73, 73-76.	0.4	24
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174	The Strength of the Nutrient Solution Modulates the Functional Profile of Hydroponically Grown Lettuce in a Genotype-Dependent Manner. <i>Foods</i> , 2020, 9, 1156.	1.9	23
175	An Endophytic Fungi-Based Biostimulant Modulates Volatile and Non-Volatile Secondary Metabolites and Yield of Greenhouse Basil (<i>Ocimum basilicum</i> L.) through Variable Mechanisms Dependent on Salinity Stress Level. <i>Pathogens</i> , 2021, 10, 797.	1.2	23
176	Biostimulant Application under Different Nitrogen Fertilization Levels: Assessment of Yield, Leaf Quality, and Nitrogen Metabolism of Tunnel-Grown Lettuce. <i>Agronomy</i> , 2021, 11, 1613.	1.3	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. <i>Agronomy</i> , 2022, 12, 236.	1.3	23
178	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
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180	The Influence of Deficit Irrigation on Growth, Ornamental Quality, and Water Use Efficiency of Three Potted Bougainvillea Genotypes Grown in Two Shapes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 1284-1291.	0.5	22

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183	Biostimulants as a Tool for Improving Environmental Sustainability of Greenhouse Vegetable Crops. <i>Sustainability</i> , 2020, 12, 5101.	1.6	21
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188	Fruit quality and volatile compound composition of processing tomato as affected by fertilisation practices and arbuscular mycorrhizal fungi application. <i>Food Chemistry</i> , 2021, 359, 129961.	4.2	20
189	Effects of Fertilization, Arbuscular Mycorrhiza, and Salinity on Growth, Yield, and Bioactive Compounds of Two Aloe Species. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2013, 48, 568-575.	0.5	20
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191	Growth, yield and reproduction of dwarf tomato grown under simulated microgravity conditions. <i>Plant Biosystems</i> , 2007, 141, 75-81.	0.8	19
192	Morpho-anatomical and physiological traits of two <i>Bougainvillea</i> genotypes trained to two shapes under deficit irrigation. <i>Trees - Structure and Function</i> , 2017, 31, 173-187.	0.9	19
193	Functional Quality, Mineral Composition and Biomass Production in Hydroponic Spiny Chicory (<i>Cichorium spinosum</i> L.) Are Modulated Interactively by Ecotype, Salinity and Nitrogen Supply. <i>Frontiers in Plant Science</i> , 2019, 10, 1040.	1.7	19
194	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
195	Sweet Basil Functional Quality as Shaped by Genotype and Macronutrient Concentration Reciprocal Action. <i>Plants</i> , 2020, 9, 1786.	1.6	19
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200	Underutilized Fruit Crops of Indian Arid and Semi-Arid Regions: Importance, Conservation and Utilization Strategies. <i>Horticulturae</i> , 2022, 8, 171.	1.2	18
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203	Iodine Biofortification Counters Micronutrient Deficiency and Improve Functional Quality of Open Field Grown Curly Endive. <i>Horticulturae</i> , 2021, 7, 58.	1.2	17
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213	Biostimulants Improve Plant Growth and Bioactive Compounds of Young Olive Trees under Abiotic Stress Conditions. <i>Agriculture (Switzerland)</i> , 2022, 12, 227.	1.4	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. <i>Frontiers in Plant Science</i> , 2019, 10, 410.	1.7	15
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218	Regulated Salinity Eustress in a Floating Hydroponic Module of Sequentially Harvested Lettuce Modulates Phytochemical Constitution, Plant Resilience, and Post-Harvest Nutraceutical Quality. <i>Agronomy</i> , 2021, 11, 1040.	1.3	15
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222	Agronomic performance and fruit quality in greenhouse grown eggplant are interactively modulated by iodine dosage and grafting. <i>Scientia Horticulturae</i> , 2022, 295, 110891.	1.7	15
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234	Foliar Application of an Amino Acid-Enriched Urea Fertilizer on 'Greco' Grapevines at Full Veraison Increases Berry Yeast-Assimilable Nitrogen Content. <i>Plants</i> , 2020, 9, 619.	1.6	12

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236	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
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240	Morphological and Physio-Biochemical Responses of Watermelon Grafted onto Rootstocks of Wild Watermelon [<i>Citrullus colocynthis</i> (L.) Schrad] and Commercial Interspecific <i>Cucurbita</i> Hybrid to Drought Stress. <i>Horticulturae</i> , 2021, 7, 359.	1.2	12
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244	Untargeted Phytochemical Profile, Antioxidant Capacity and Enzyme Inhibitory Activity of Cultivated and Wild Lupin Seeds from Tunisia. <i>Molecules</i> , 2021, 26, 3452.	1.7	11
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254	Mitigation of High-Temperature Damage by Application of Kaolin and Pinolene on Young Olive Trees (<i>Olea europaea</i> L.): A Preliminary Experiment to Assess Biometric, Eco-Physiological and Nutraceutical Parameters. <i>Agronomy</i> , 2021, 11, 1884.	1.3	10
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262	Assessing the effect of P-solubilizing bacteria and mycorrhizal fungi on tomato yield and quality under different crop rotations. <i>Scientia Horticulturae</i> , 2022, 293, 110740.	1.7	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. <i>Horticulturae</i> , 2022, 8, 138.	1.2	9
264	Water Stress Alleviation Effects of Biostimulants on Greenhouse-Grown Tomato Fruit. <i>Horticulturae</i> , 2022, 8, 645.	1.2	9
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269	Root Zone Management for Improving Seedling Quality of Organically Produced Horticultural Crops. <i>Agronomy</i> , 2021, 11, 630.	1.3	8
270	Foliar application of plant-based biostimulants improve yield and upgrade qualitative characteristics of processing tomato. <i>Italian Journal of Agronomy</i> , 2021, 16, .	0.4	8

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