

Francesco Serio

List of Publications by Year in descending order

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62
papers

2,135
citations

218592

26
h-index

243529

44
g-index

62
all docs

62
docs citations

62
times ranked

2126
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-scale vegetable production and the rise of microgreens. Trends in Food Science and Technology, 2016, 57, 103-115.	7.8	263
2	A survey of nitrate and oxalate content in fresh vegetables. Journal of the Science of Food and Agriculture, 1999, 79, 1882-1888.	1.7	200
3	Biodegradable Superabsorbent Hydrogel Increases Water Retention Properties of Growing Media and Plant Growth. Agriculture and Agricultural Science Procedia, 2015, 4, 451-458.	0.6	150
4	Physicochemical, agronomical and microbiological evaluation of alternative growing media for the production of rapini (<i>Brassica rapa</i> L.) microgreens. Journal of the Science of Food and Agriculture, 2017, 97, 1212-1219.	1.7	91
5	Nitrogen nutrition, yield and quality of spinach. Journal of the Science of Food and Agriculture, 1998, 76, 341-346.	1.7	76
6	EFFECT OF SOLUTION NITROGEN CONCENTRATION ON YIELD, LEAF ELEMENT CONTENT, AND WATER AND NITROGEN USE EFFICIENCY OF THREE HYDROPONICALLY-GROWN ROCKET SALAD GENOTYPES. Journal of Plant Nutrition, 2002, 25, 245-258.	0.9	56
7	Silicon biofortification of leafy vegetables and its bioaccessibility in the edible parts. Journal of the Science of Food and Agriculture, 2016, 96, 751-756.	1.7	54
8	Fertilization strategies for lowering nitrate content in leafy vegetables: chicory and rocket salad cases. Journal of Plant Nutrition, 1998, 21, 1791-1803.	0.9	51
9	Calcium biofortification and bioaccessibility in soilless baby leafy vegetable production. Food Chemistry, 2016, 213, 149-156.	4.2	49
10	Green bean biofortification for Si through soilless cultivation: plant response and Si bioaccessibility in pods. Scientific Reports, 2016, 6, 31662.	1.6	49
11	A Targeted Management of the Nutrient Solution in a Soilless Tomato Crop According to Plant Needs. Frontiers in Plant Science, 2016, 7, 391.	1.7	48
12	Influence of an increased NaCl concentration on yield and quality of cherry tomato grown in posidonia (<i>Posidonia oceanica</i> (L) Delile). Journal of the Science of Food and Agriculture, 2004, 84, 1885-1890.	1.7	45
13	Glucosinolate profile of <i>Eruca sativa</i> , <i>Diplotaxis tenuifolia</i> and <i>Diplotaxis erucoides</i> grown in soil and soilless systems. Journal of Food Composition and Analysis, 2018, 69, 197-204.	1.9	42
14	Sea fennel (<i>Crithmum maritimum</i> L.): from underutilized crop to new dried product for food use. Genetic Resources and Crop Evolution, 2017, 64, 205-216.	0.8	40
15	Grafting Improves Tomato Salinity Tolerance through Sodium Partitioning within the Shoot. Hortscience: A Publication of the American Society for Horticultural Science, 2013, 48, 855-862.	0.5	40
16	Nitrate and ammonium nutrition in chicory and rocket salad plants. Journal of Plant Nutrition, 1998, 21, 1779-1789.	0.9	39
17	Potassium nutrition increases the lycopene content of tomato fruit. Journal of Horticultural Science and Biotechnology, 2007, 82, 941-945.	0.9	39
18	Effect of cooking methods on antioxidant activity and nitrate content of selected wild Mediterranean plants. International Journal of Food Sciences and Nutrition, 2013, 64, 870-876.	1.3	39

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19	Iodine Biofortification of Four Brassica Genotypes is Effective Already at Low Rates of Potassium Iodate. <i>Nutrients</i> , 2019, 11, 451.	1.7	39
20	Tuber quality and nutritional components of "early" potato subjected to chemical haulm desiccation. <i>Journal of Food Composition and Analysis</i> , 2009, 22, 556-562.	1.9	37
21	Comparison of two jam making methods to preserve the quality of colored carrots. <i>LWT - Food Science and Technology</i> , 2013, 53, 547-554.	2.5	35
22	Preliminary Evidences of Biofortification with Iodine of "Carota di Polignano", An Italian Carrot Landrace. <i>Frontiers in Plant Science</i> , 2018, 9, 170.	1.7	33
23	Effect of growing system and cultivar on yield and water-use efficiency of greenhouse-grown tomato. <i>Journal of Horticultural Science and Biotechnology</i> , 2008, 83, 71-75.	0.9	31
24	Influence of Potassium and Genotype on Vitamin E Content and Reducing Sugar of Tomato Fruits. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 2048-2051.	0.5	31
25	Comparison between nitrate and ammonium nutrition in fennel, celery, and Swiss chard. <i>Journal of Plant Nutrition</i> , 1999, 22, 1091-1106.	0.9	30
26	Multiple regression models and Computer Vision Systems to predict antioxidant activity and total phenols in pigmented carrots. <i>Journal of Food Engineering</i> , 2013, 117, 74-81.	2.7	30
27	Characterisation of bioactive compounds in berries from plants grown under innovative photovoltaic greenhouses. <i>Journal of Berry Research</i> , 2018, 8, 55-69.	0.7	28
28	NaCl stress enhances silicon tissue enrichment of hydroponic "baby leaf" chicory under biofortification process. <i>Scientia Horticulturae</i> , 2018, 235, 258-263.	1.7	28
29	Tensiometer-Based Irrigation Management of Subirrigated Soilless Tomato: Effects of Substrate Matric Potential Control on Crop Performance. <i>Frontiers in Plant Science</i> , 2015, 6, 1150.	1.7	26
30	The yellow"purple Polignano carrot (<i>Daucus carota</i> L.): a multicoloured landrace from the Puglia region (Southern Italy) at risk of genetic erosion. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 1611-1619.	0.8	25
31	Quality and Nutritional Evaluation of Regina Tomato, a Traditional Long-Storage Landrace of Puglia (Southern Italy). <i>Agriculture (Switzerland)</i> , 2018, 8, 83.	1.4	24
32	Effect of silicon in the nutrient solution on the incidence of powdery mildew and quality traits in carosello and barattiere (<i>Cucumis melo</i> L.) grown in a soilless system. <i>Journal of Horticultural Science and Biotechnology</i> , 2009, 84, 300-304.	0.9	23
33	Effect of night salinity level on water use, physiological responses, yield and quality of tomato. <i>Journal of Horticultural Science and Biotechnology</i> , 2004, 79, 59-66.	0.9	22
34	Solar radiation distribution inside a monospan greenhouse with the roof entirely covered by photovoltaic panels. <i>Journal of Agricultural Engineering</i> , 2016, 47, 1.	0.7	22
35	Ammonium and nitrate influence on artichoke growth rate and uptake of inorganic ions. <i>Journal of Plant Nutrition</i> , 1996, 19, 1029-1044.	0.9	21
36	Effects of ammonium and nitrate nutrition on yield and quality in endive. <i>Journal of Horticultural Science and Biotechnology</i> , 2008, 83, 64-70.	0.9	21

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37	Influence of nitrogen form on yield and nitrate content of subirrigated early potato. <i>Journal of the Science of Food and Agriculture</i> , 2004, 84, 1428-1432.	1.7	20
38	Techno-functional properties of tomato puree fortified with anthocyanin pigments. <i>Food Chemistry</i> , 2018, 240, 1184-1192.	4.2	20
39	Postharvest evaluation of soilless-grown table grape during storage in modified atmosphere. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, n/a-n/a.	1.7	19
40	Integrated in vitro approaches to assess the bioaccessibility and bioavailability of silicon-biofortified leafy vegetables and preliminary effects on bone. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 217-224.	0.7	16
41	Hydroponic Production of Reduced-Potassium Swiss Chard and Spinach: A Feasible Agronomic Approach to Tailoring Vegetables for Chronic Kidney Disease Patients. <i>Agronomy</i> , 2019, 9, 627.	1.3	16
42	Morphological and Chemical Profile of Three Tomato (<i>Solanum lycopersicum</i> L.) Landraces of A Semi-Arid Mediterranean Environment. <i>Plants</i> , 2019, 8, 273.	1.6	14
43	Relationship between Quality Parameters and the Overall Appearance in Lettuce during Storage. <i>International Journal of Food Processing Technology</i> , 2014, 1, 18-26.	0.3	13
44	Mineral Composition and Bioaccessibility in Rocket and Purslane after Zn Biofortification Process. <i>Foods</i> , 2022, 11, 484.	1.9	13
45	Crenate broomrape (<i>Orobanche crenata</i> Forskal): prospects as a food product for human nutrition. <i>Genetic Resources and Crop Evolution</i> , 2015, 62, 795-802.	0.8	12
46	Supplementary Far-Red Light Did Not Affect Tomato Plant Growth or Yield under Mediterranean Greenhouse Conditions. <i>Agronomy</i> , 2020, 10, 1849.	1.3	12
47	Self-Configuring CVS to Discriminate Rocket Leaves According to Cultivation Practices and to Correctly Attribute Visual Quality Level. <i>Agronomy</i> , 2021, 11, 1353.	1.3	11
48	Efficacy of Combined <i>Sous Vide</i> Microwave Cooking for Foodborne Pathogen Inactivation in Ready-to-Eat Chicory Stems. <i>Journal of Food Science</i> , 2017, 82, 1664-1671.	1.5	10
49	Boron Biofortification of <i>Portulaca oleracea</i> L. through Soilless Cultivation for a New Tailored Crop. <i>Agronomy</i> , 2020, 10, 999.	1.3	10
50	Supplementary Light Differently Influences Physico-Chemical Parameters and Antioxidant Compounds of Tomato Fruits Hybrids. <i>Antioxidants</i> , 2021, 10, 687.	2.2	10
51	Barattiere: An Italian Local Variety of <i>Cucumis melo</i> L. with Quality Traits between Melon and Cucumber. <i>Plants</i> , 2020, 9, 578.	1.6	9
52	Yield and quality of early potato cultivars in relation to the use of glufosinate-ammonium as desiccant. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 855-860.	1.7	8
53	Photosynthetic Photon Flux Density Distribution Inside Photovoltaic Greenhouses, Numerical Simulation, and Experimental Results. <i>Applied Engineering in Agriculture</i> , 2016, 32, 861-869.	0.3	8
54	Cover Crops and Manure Combined with Commercial Fertilizers Differently Affect Yield and Quality of Processing Tomato (<i>Solanum lycopersicum</i> L.) Organically Grown in Puglia. <i>Agriculture (Switzerland)</i> , 2021, 11, 757.	1.4	8

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55	Enhancing the nutritional value of <i>Portulaca oleracea</i> L. by using soilless agronomic biofortification with zinc. <i>Food Research International</i> , 2022, 155, 111057.	2.9	8
56	Enhancement of a Landrace of Carosello (Unripe Melon) through the Use of Light-Emitting Diodes (LED) and Nutritional Characterization of the Fruit Placenta. <i>Sustainability</i> , 2021, 13, 11464.	1.6	6
57	THE COMPOST OF POSIDONIA RESIDUES: A SHORT REVIEW ON A NEW COMPONENT FOR SOILLESS GROWING MEDIA. <i>Acta Horticulturae</i> , 2014, , 291-298.	0.1	4
58	The Mediterranean diet between traditional foods and human health through culinary examples. , 2021, , 75-99.		4
59	Wikipedia As a Tool for Disseminating Knowledge of (Agro)Biodiversity. <i>HortTechnology</i> , 2014, 24, 118-126.	0.5	3
60	A survey of nitrate and oxalate content in fresh vegetables. <i>Journal of the Science of Food and Agriculture</i> , 1999, 79, 1882-1888.	1.7	2
61	Growth Analysis and Nutrient Solution Management of a Soil-Less Tomato Crop in a Mediterranean Environment. <i>Data</i> , 2019, 4, 38.	1.2	1
62	Nutraceutical Profile of "Carosello"(<i>Cucumis melo</i> L.) Grown in an Out-of-Season Cycle under LEDs. <i>Antioxidants</i> , 2022, 11, 777.	2.2	1