

# Giorgio Gianquinto

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,546  
citations

218381

26  
h-index

205818

48  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Urban agriculture in the developing world: a review. <i>Agronomy for Sustainable Development</i> , 2013, 33, 695-720.	2.2	434
2	Exploring the production capacity of rooftop gardens (RTGs) in urban agriculture: the potential impact on food and nutrition security, biodiversity and other ecosystem services in the city of Bologna. <i>Food Security</i> , 2014, 6, 781-792.	2.4	210
3	Unraveling the Role of Red:Blue LED Lights on Resource Use Efficiency and Nutritional Properties of Indoor Grown Sweet Basil. <i>Frontiers in Plant Science</i> , 2019, 10, 305.	1.7	154
4	Beyond the ionic and osmotic response to salinity in <i>Chenopodium quinoa</i> : functional elements of successful halophytism. <i>Functional Plant Biology</i> , 2011, 38, 818.	1.1	127
5	Optimal red:blue ratio in led lighting for nutraceutical indoor horticulture. <i>Scientia Horticulturae</i> , 2015, 193, 202-208.	1.7	125
6	Heavy metal accumulation in vegetables grown in urban gardens. <i>Agronomy for Sustainable Development</i> , 2015, 35, 1139-1147.	2.2	119
7	Resource use efficiency of indoor lettuce ( <i>Lactuca sativa</i> L.) cultivation as affected by red:blue ratio provided by LED lighting. <i>Scientific Reports</i> , 2019, 9, 14127.	1.6	113
8	Optimal light intensity for sustainable water and energy use in indoor cultivation of lettuce and basil under red and blue LEDs. <i>Scientia Horticulturae</i> , 2020, 272, 109508.	1.7	103
9	Morphological and Physiological Plant Responses to Drought Stress in <i>Thymus citriodorus</i> . <i>International Journal of Agronomy</i> , 2016, 2016, 1-8.	0.5	91
10	Low stomatal density and reduced transpiration facilitate strawberry adaptation to salinity. <i>Environmental and Experimental Botany</i> , 2012, 81, 1-10.	2.0	90
11	Techniques and crops for efficient rooftop gardens in Bologna, Italy. <i>Agronomy for Sustainable Development</i> , 2015, 35, 1477-1488.	2.2	74
12	Social acceptance and perceived ecosystem services of urban agriculture in Southern Europe: The case of Bologna, Italy. <i>PLoS ONE</i> , 2018, 13, e0200993.	1.1	61
13	A methodological approach for defining spectral indices for assessing tomato nitrogen status and yield. <i>European Journal of Agronomy</i> , 2011, 35, 135-143.	1.9	60
14	The global rise of urban rooftop agriculture: A review of worldwide cases. <i>Journal of Cleaner Production</i> , 2021, 296, 126556.	4.6	56
15	Features and Functions of Multifunctional Urban Agriculture in the Global North: A Review. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	55
16	Modelling Environmental Burdens of Indoor-Grown Vegetables and Herbs as Affected by Red and Blue LED Lighting. <i>Sustainability</i> , 2019, 11, 4063.	1.6	52
17	Towards Regenerated and Productive Vacant Areas through Urban Horticulture: Lessons from Bologna, Italy. <i>Sustainability</i> , 2016, 8, 1347.	1.6	50
18	Supplementary LED Interlighting Improves Yield and Precocity of Greenhouse Tomatoes in the Mediterranean. <i>Agronomy</i> , 2020, 10, 1002.	1.3	50

#	ARTICLE	IF	CITATIONS
19	How Can Innovation in Urban Agriculture Contribute to Sustainability? A Characterization and Evaluation Study from Five Western European Cities. <i>Sustainability</i> , 2019, 11, 4221.	1.6	44
20	LED Lighting Systems for Horticulture: Business Growth and Global Distribution. <i>Sustainability</i> , 2020, 12, 7516.	1.6	39
21	Monitoring nitrogen status of vegetable crops and soils for optimal nitrogen management. <i>Agricultural Water Management</i> , 2020, 241, 106356.	2.4	39
22	Eco-Efficiency Assessment and Food Security Potential of Home Gardening: A Case Study in Padua, Italy. <i>Sustainability</i> , 2018, 10, 2124.	1.6	38
23	Revisiting the Sustainability Concept of Urban Food Production from a Stakeholders' Perspective. <i>Sustainability</i> , 2018, 10, 2175.	1.6	33
24	Salinity thresholds and genotypic variability of cabbage ( <i>Brassica oleracea</i> L.) grown under saline stress. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 319-330.	1.7	32
25	Improved stomatal regulation and ion partitioning boosts salt tolerance in grafted melon. <i>Functional Plant Biology</i> , 2013, 40, 628.	1.1	31
26	Soilless system on peat reduce trace metals in urban-grown food: unexpected evidence for a soil origin of plant contamination. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	2.2	31
27	Ecosystem Services of Urban Agriculture: Perceptions of Project Leaders, Stakeholders and the General Public. <i>Sustainability</i> , 2020, 12, 10446.	1.6	26
28	Sustainable Community Gardens Require Social Engagement and Training: A Users' Needs Analysis in Europe. <i>Sustainability</i> , 2019, 11, 3978.	1.6	22
29	Optimization of nitrogen nutrition of cauliflower intercropped with clover and in rotation with lettuce. <i>Scientia Horticulturae</i> , 2019, 246, 734-740.	1.7	22
30	The Use of Diagnostic Optical Tools to Assess Nitrogen Status and to Guide Fertilization of Vegetables. <i>HortTechnology</i> , 2011, 21, 287-292.	0.5	22
31	Spectral composition from led lighting during storage affects nutraceuticals and safety attributes of fresh-cut red chard ( <i>Beta vulgaris</i> ) and rocket ( <i>Diplotaxis tenuifolia</i> ) leaves. <i>Postharvest Biology and Technology</i> , 2021, 175, 111500.	2.9	20
32	Strategies for Improved Water Use Efficiency (WUE) of Field-Grown Lettuce ( <i>Lactuca sativa</i> L.) under a Semi-Arid Climate. <i>Agronomy</i> , 2020, 10, 668.	1.3	18
33	Supplemental LED Lighting Effectively Enhances the Yield and Quality of Greenhouse Truss Tomato Production: Results of a Meta-Analysis. <i>Frontiers in Plant Science</i> , 2021, 12, 596927.	1.7	17
34	The influence of aluminium availability on phosphate uptake in <i>Phaseolus vulgaris</i> L. and <i>Phaseolus lunatus</i> L.. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 68-72.	2.8	13
35	Sources of Variation in Assessing Canopy Reflectance of Processing Tomato by Means of Multispectral Radiometry. <i>Sensors</i> , 2019, 19, 4730.	2.1	11
36	Pulsed LED Light: Exploring the Balance between Energy Use and Nutraceutical Properties in Indoor-Grown Lettuce. <i>Agronomy</i> , 2021, 11, 1106.	1.3	10

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37	Steering nitrogen fertilisation by means of portable chlorophyll meter reduces nitrogen input and improves quality of fertigated cantaloupe ( <i>Cucumis melo</i> L. var. <i>cantalupensis</i> Naud.). <i>Journal of the Science of Food and Agriculture</i> , 2010, 90, 482-493.	1.7	9
38	Onion Seed Germination as Affected by Temperature and Light. <i>International Journal of Vegetable Science</i> , 2012, 18, 49-63.	0.6	9
39	Strategies for Improved Yield and Water Use Efficiency of Lettuce ( <i>Lactuca sativa</i> L.) through Simplified Soilless Cultivation under Semi-Arid Climate. <i>Agronomy</i> , 2020, 10, 1379.	1.3	9
40	Appraisal of Salt Tolerance under Greenhouse Conditions of a Cucurbitaceae Genetic Repository of Potential Rootstocks and Scions. <i>Agronomy</i> , 2020, 10, 967.	1.3	8
41	Toward the Creation of Urban Foodscapes: Case Studies of Successful Urban Agriculture Projects for Income Generation, Food Security, and Social Cohesion. <i>Sustainable Development and Biodiversity</i> , 2018, , 91-106.	1.4	4
42	Optical Tools, a Suitable Means to Reduce Nitrogen Use in Fertigated Tomato Crop. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2006, 41, 982B-982.	0.5	4
43	Comparative Study of Three Low-Tech Soilless Systems for the Cultivation of Geranium ( <i>Pelargonium</i> ) Tj ETQq1 1 0,784314 rgBT /Overd	1.3	3
44	Optimization of Substrate and Nutrient Solution Strength for Lettuce and Chinese Cabbage Seedling Production in the Semi-Arid Environment of Central Myanmar. <i>Horticulturae</i> , 2021, 7, 64.	1.2	3
45	A Geography of Rooftop Agriculture in 20 Projects. <i>Urban Agriculture</i> , 2017, , 309-382.	0.5	2
46	Ionic partitioning and stomatal regulation. <i>Plant Signaling and Behavior</i> , 2013, 8, e27334.	1.2	1
47	Sustainable Water Management in Green Roofs. <i>Handbook of Environmental Chemistry</i> , 2016, , 167-207.	0.2	1
48	Contribution of cauliflower residues to N nutrition of subsequent lettuce crops grown in rotation in an Italian Alpine environment. <i>Agronomy for Sustainable Development</i> , 2022, 42, 1.	2.2	1
49	Sistemi ortofrutticoli sostenibili. <i>Italian Journal of Agronomy</i> , 2011, 6, 3.	0.4	0