

# Paolo Benincasa

## List of Publications by Year in descending order

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72  
papers

2,388  
citations

279701

23  
h-index

233338

45  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sprouted Grains: A Comprehensive Review. <i>Nutrients</i> , 2019, 11, 421.	1.7	228
2	Critical nitrogen concentration in processing tomato. <i>European Journal of Agronomy</i> , 2002, 18, 45-55.	1.9	141
3	Seed Priming: New Comprehensive Approaches for an Old Empirical Technique. , 0, , .		114
4	Current Knowledge on Selenium Biofortification to Improve the Nutraceutical Profile of Food: A Comprehensive Review. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4075-4097.	2.4	113
5	Barleyâ€“hairy vetch mixture as cover crop for green manuring and the mitigation of N leaching risk. <i>European Journal of Agronomy</i> , 2014, 54, 34-39.	1.9	101
6	Nitrogen Concentration Estimation in Tomato Leaves by VIS-NIR Non-Destructive Spectroscopy. <i>Sensors</i> , 2011, 11, 6411-6424.	2.1	100
7	Phenolic compounds in grains, sprouts and wheatgrass of hulled and nonâ€“hulled wheat species. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 1795-1803.	1.7	85
8	Use of MSAP Markers to Analyse the Effects of Salt Stress on DNA Methylation in Rapeseed (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	84
9	Sprouts and Microgreens: Trends, Opportunities, and Horizons for Novel Research. <i>Agronomy</i> , 2020, 10, 1424.	1.3	84
10	Revalorization of barley straw and husk as precursors for cellulose nanocrystals extraction and their effect on PVA_CH nanocomposites. <i>Industrial Crops and Products</i> , 2016, 92, 201-217.	2.5	79
11	Selenium Biofortification in Rice ( <i>Oryza sativa</i> L.) Sprouting: Effects on Se Yield and Nutritional Traits with Focus on Phenolic Acid Profile. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4082-4090.	2.4	79
12	High fertigation frequency improves nitrogen uptake and crop performance in processing tomato grown with high nitrogen and water supply. <i>Agricultural Water Management</i> , 2015, 154, 52-58.	2.4	74
13	Green manuring effect of pure and mixed barley â€“ hairy vetch winter cover crops on maize and processing tomato N nutrition. <i>European Journal of Agronomy</i> , 2012, 43, 136-146.	1.9	68
14	The Nitrogen Use Efficiency: Meaning and Sources of Variationâ€“Case Studies on Three Vegetable Crops in Central Italy. <i>HortTechnology</i> , 2011, 21, 266-273.	0.5	53
15	RELIABILITY OF NDVI DERIVED BY HIGH RESOLUTION SATELLITE AND UAV COMPARED TO IN-FIELD METHODS FOR THE EVALUATION OF EARLY CROP N STATUS AND GRAIN YIELD IN WHEAT. <i>Experimental Agriculture</i> , 2018, 54, 604-622.	0.4	52
16	Sentinel 2-Based Nitrogen VRT Fertilization in Wheat: Comparison between Traditional and Simple Precision Practices. <i>Agronomy</i> , 2019, 9, 278.	1.3	51
17	Alfalfa and flax sprouts supplementation enriches the content of bioactive compounds and lowers the cholesterol in hen egg. <i>Journal of Functional Foods</i> , 2016, 22, 454-462.	1.6	47
18	Germination under Moderate Salinity Increases Phenolic Content and Antioxidant Activity in Rapeseed ( <i>Brassica napus</i> var <i>oleifera</i> Del.) Sprouts. <i>Molecules</i> , 2017, 22, 1377.	1.7	46

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19	The effect of dietary alfalfa and flax sprouts on rabbit meat antioxidant content, lipid oxidation and fatty acid composition. <i>Meat Science</i> , 2015, 106, 31-37.	2.7	33
20	Nitrogen Fertilization Strategies for Organic Wheat Production: Crop Yield and Nitrate Leaching. <i>Agronomy Journal</i> , 2016, 108, 770-781.	0.9	33
21	Effects of N sources and management strategies on crop growth, yield and potential N leaching in processing tomato. <i>European Journal of Agronomy</i> , 2018, 98, 46-54.	1.9	31
22	Decreasing Nitrate Leaching in Vegetable Crops with Better N Management. <i>Sustainable Agriculture Reviews</i> , 2010, , 147-200.	0.6	30
23	Actual N Availability from Winter Catch Crops Used for Green Manuring in Maize Cultivation. <i>Agroecology and Sustainable Food Systems</i> , 2010, 34, 705-723.	0.9	28
24	Long-term evaluation of productivity, stability and sustainability for cropping systems in Mediterranean rainfed conditions. <i>European Journal of Agronomy</i> , 2016, 77, 146-155.	1.9	27
25	The relationship between grain and ovary size in wheat: An analysis of contrasting grain weight cultivars under different growing conditions. <i>Field Crops Research</i> , 2017, 210, 175-182.	2.3	26
26	Competition and Facilitation in Hairy Vetch-Barley Intercrops. <i>Italian Journal of Agronomy</i> , 2010, 5, 239.	0.4	23
27	Combining roller crimpers and flaming for the termination of cover crops in herbicide-free no-till cropping systems. <i>PLoS ONE</i> , 2019, 14, e0211573.	1.1	23
28	Blue:Red LED Light Proportion Affects Vegetative Parameters, Pigment Content, and Oxidative Status of Einkorn ( <i>Triticum monococcum</i> L. ssp. <i>monococcum</i> ) Wheatgrass. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8757-8763.	2.4	23
29	Strip tillage effect on seedbed tith and maize production in Northern Italy as case-study for the Southern Europe environment. <i>European Journal of Agronomy</i> , 2013, 48, 50-56.	1.9	21
30	Grain Endogenous Selenium and Moderate Salt Stress Work as Synergic Elicitors in the Enrichment of Bioactive Compounds in Maize Sprouts. <i>Agronomy</i> , 2020, 10, 735.	1.3	21
31	CRITICAL NITROGEN CONCENTRATION IN LETTUCE. <i>Acta Horticulturae</i> , 2003, , 187-194.	0.1	20
32	Phenolic Content and Antioxidant Activity in Raw and Denatured Aqueous Extracts from Sprouts and Wheatgrass of Einkorn and Emmer Obtained under Salinity. <i>Molecules</i> , 2017, 22, 2132.	1.7	20
33	Sustainable management of nitrogen nutrition in winter wheat through temporary intercropping with legumes. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	20
34	NITROGEN FERTILISATION OF LETTUCE, PROCESSING TOMATO AND SWEET PEPPER: YIELD, NITROGEN UPTAKE AND THE RISK OF NITRATE LEACHING. <i>Acta Horticulturae</i> , 1999, , 61-68.	0.1	19
35	Effects of sprouting and salt stress on polyphenol composition and antiradical activity of einkorn, emmer and durum wheat. <i>Italian Journal of Agronomy</i> , 2017, , .	0.4	19
36	Effect of heat and freeze-drying treatments on phytochemical content and fatty acid profile of alfalfa and flax sprouts. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 4029-4035.	1.7	19

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37	VALIDATION OF N NUTRITIONAL STATUS TOOLS FOR PROCESSING TOMATO. Acta Horticulturae, 2010, , 227-232.	0.1	18
38	&lt;b&gt;Effect of salinity and priming on seedling growth in rapeseed (&lt;i&gt;Brassica napus&lt;/i&gt;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (NAPUS</td> <td>0.6</td> <td>18</td>	0.6	18
39	Ovary Size in Wheat (<i>Triticum aestivum</i> L.) is Related to Cell Number. Crop Science, 2017, 57, 914-925.	0.8	18
40	Phenolic content and antioxidant activity of einkorn and emmer sprouts and wheatgrass obtained under different radiation wavelengths. Annals of Agricultural Sciences, 2020, 65, 68-76.	1.1	18
41	Effect of Genotype on the Sprouting of Pomegranate (Punica granatum L.) Seeds as a Source of Phenolic Compounds from Juice Industry by-Products. Plant Foods for Human Nutrition, 2017, 72, 432-438.	1.4	17
42	Phenolic Compounds and Antioxidant Activity of Sprouts from Seeds of Citrus Species. Agriculture (Switzerland), 2020, 10, 33.	1.4	17
43	Effect of Salinity and Low Osmotic Potential on the Germination and Seedling Growth of Rapeseed Cultivars with Different Stress Tolerance. Italian Journal of Agronomy, 2010, 5, 69.	0.4	16
44	GERMINATION OF UNTREATED AND PRIMED SEEDS IN RAPESEED (<i>BRASSICA) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (NAPUS</td> <td>0.4</td> <td>16</td>	0.4	16
45	Tensile Behavior of Thermoplastic Films from Wheat Flours as Function of Raw Material Baking Properties. Journal of Polymers and the Environment, 2016, 24, 37-47.	2.4	16
46	Simplified and Advanced Sentinel-2-Based Precision Nitrogen Management of Wheat. Agronomy, 2021, 11, 1156.	1.3	15
47	Phenolic content and antioxidant activity of wholegrain breads from modern and old wheat (Triticum aestivum L.) cultivars and ancestors enriched with wheat sprout powder. Italian Journal of Agronomy, 2018, , 297-302.	0.4	14
48	Straw fibres from barley hybrid lines and their reinforcement effect in polypropylene based composites. Industrial Crops and Products, 2020, 154, 112736.	2.5	12
49	Nine-year results on maize and processing tomato cultivation in an organic and in a conventional low input cropping system. Italian Journal of Agronomy, 2013, 8, 2.	0.4	11
50	Optimising the use of plastic protective covers in field grown melon on a farm scale. Italian Journal of Agronomy, 2014, 9, 8.	0.4	11
51	Relationships between wheat flour baking properties and tensile characteristics of derived thermoplastic films. Industrial Crops and Products, 2017, 100, 138-145.	2.5	11
52	Processing Tomato&acirc;Durum Wheat Rotation under Integrated, Organic and Mulch-Based No-Tillage Organic Systems: Yield, N Balance and N Loss. Agronomy, 2019, 9, 718.	1.3	11
53	Effect of Light Spectrum on Gas Exchange, Growth and Biochemical Characteristics of Einkorn Seedlings. Agronomy, 2020, 10, 1042.	1.3	11
54	EFFECT OF N AVAILABILITY ON GROWTH, N UPTAKE, LIGHT INTERCEPTION AND PHOTOSYNTHETIC ACTIVITY IN PROCESSING TOMATO. Acta Horticulturae, 2002, , 209-216.	0.1	10

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55	Sprouting olive ( <i>Olea europaea</i> L.) seeds as a source of antioxidants from residual whole stones. <i>Scientia Horticulturae</i> , 2018, 240, 558-560.	1.7	10
56	Early interspecific interference in the wheat/faba bean ( <i>Triticum aestivum</i> / <i>Vicia faba</i> ssp. <i>minor</i> ) and rapeseed/squarrosom clover ( <i>Brassica napus</i> var. <i>oleifera</i> /Trifolium squarrosom) intercrops. <i>Italian Journal of Agronomy</i> , 2012, 7, 24.	0.4	9
57	ENVIRONMENTALLY SUSTAINABLE NITROGEN NUTRITION MANAGEMENT IN PROCESSING TOMATO. <i>Acta Horticulturae</i> , 2015, , 41-48.	0.1	8
58	Crop Rotation as a System Approach for Soil Fertility Management in Vegetables. <i>Advances in Olericulture</i> , 2017, , 115-148.	0.4	8
59	Taste quality traits and volatile profiles of sprouts and wheatgrass from hulled and non-hulled <i>Triticum</i> species. <i>Journal of Food Biochemistry</i> , 2019, 43, e12869.	1.2	8
60	Transgenerational Effects of Salt Stress Imposed to Rapeseed ( <i>Brassica napus</i> var. <i>oleifera</i> Del.) Plants Involve Greater Phenolic Content and Antioxidant Activity in the Edible Sprouts Obtained from Offspring Seeds. <i>Plants</i> , 2021, 10, 932.	1.6	8
61	Biocomposites Based on Plasticized Wheat Flours: Effect of Bran Content on Thermomechanical Behavior. <i>Polymers</i> , 2020, 12, 2248.	2.0	7
62	Combining Green Manuring and Fertigation Maximizes Tomato Crop Yield and Minimizes Nitrogen Losses. <i>Agronomy</i> , 2020, 10, 977.	1.3	7
63	SOURCE-SINK RELATIONSHIP IN PROCESSING TOMATO AS AFFECTED BY FRUIT LOAD AND NITROGEN AVAILABILITY. <i>Acta Horticulturae</i> , 2006, , 63-66.	0.1	6
64	Growing lettuce under multispectral light-emitting diodes lamps with adjustable light intensity. <i>Italian Journal of Agronomy</i> , 2017, 11, .	0.4	6
65	Yield and apparent dry matter and nitrogen balances for muskmelon in a long-term comparison between an organic and a conventional low input cropping system. <i>Italian Journal of Agronomy</i> , 2015, 10, 117.	0.4	3
66	Potential Nitrogen Load from Crop-Livestock Systems. <i>International Journal of Agricultural and Environmental Information Systems</i> , 2016, 7, 21-40.	1.8	3
67	Extracts of Emmer Wheatgrass Grown with Distilled Water, Salinity or Selenium Differently Affect Germination and Cytosolic Ca <sup>2+</sup> of Maize Pollen. <i>Agronomy</i> , 2021, 11, 633.	1.3	3
68	In Vitro Oxidative Stress Threatening Maize Pollen Germination and Cytosolic Ca <sup>2+</sup> Can Be Mitigated by Extracts of Emmer Wheatgrass Biofortified with Selenium. <i>Plants</i> , 2022, 11, 859.	1.6	3
69	Infection timing affects <i>Fusarium poae</i> colonization of bread wheat spikes and mycotoxin accumulation in the grain. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 6358-6372.	1.7	2
70	The Role of Research for a Sustainable Fertilization Management in Vegetables: Future Trends and Goals. <i>Advances in Olericulture</i> , 2017, , 1-9.	0.4	1
71	Using Sentinel 2 Data to Guide Nitrogen Fertilization in Central Italy: Comparison Between Flat, Low VRT and High VRT Rates Application in Wheat. <i>Lecture Notes in Computer Science</i> , 2020, , 78-89.	1.0	1
72	Potential Nitrogen Load from Crop-Livestock Systems: An Agri-environmental Spatial Database for a Multi-scale Assessment. <i>Lecture Notes in Computer Science</i> , 2015, , 45-59.	1.0	0