

Marco Landi

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

6,110
citations

136950

32
h-index

82547

72
g-index

115
all docs

115
docs citations

115
times ranked

6929
citing authors

#	ARTICLE	IF	CITATIONS
1	Brassinosteroids and metalloids: Regulation of plant biology. <i>Journal of Hazardous Materials</i> , 2022, 424, 127518.	12.4	13
2	Can Light Spectrum Composition Increase Growth and Nutritional Quality of <i>Linum usitatissimum</i> L. Sprouts and Microgreens?. <i>Horticulturae</i> , 2022, 8, 98.	2.8	11
3	Pre-Aclimation to Elevated Temperature Stabilizes the Activity of Photosystem I in Wheat Plants Exposed to an Episode of Severe Heat Stress. <i>Plants</i> , 2022, 11, 616.	3.5	6
4	Seasonal Fluctuations of Crop Yield, Total Phenolic Content and Antioxidant Activity in Fresh or Cooked Borage (<i>Borago officinalis</i> L.), Mallow (<i>Malva sylvestris</i> L.) and Buckâ€™s-Horn Plantain (<i>Plantago coronopus</i> L.) Leaves. <i>Horticulturae</i> , 2022, 8, 253.	2.8	5
5	Stress, senescence and specialised metabolites in bryophytes. <i>Journal of Experimental Botany</i> , 2022, , .	4.8	11
6	Measurements of Anthocyanin Content of Prunus Leaves Using Proximal Sensing Spectroscopy and Statistical Machine Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-10.	4.7	0
7	Heavy metal induced regulation of plant biology: Recent insights. <i>Physiologia Plantarum</i> , 2022, 174, e13688.	5.2	35
8	Boron, hormones and secondary metabolites in plants: a molecular point of view. , 2022, , 271-291.		0
9	Biochar as a soil amendment in the tree establishment phase: What are the consequences for tree physiology, soil quality and carbon sequestration?. <i>Science of the Total Environment</i> , 2022, 844, 157175.	8.0	6
10	Evaluation of Major Minerals and Trace Elements in Wild and Domesticated Edible Herbs Traditionally Used in the Mediterranean Area. <i>Biological Trace Element Research</i> , 2021, 199, 3553-3561.	3.5	11
11	Effect of cut on secondary metabolite profile in hydroponically-grown <i>Rumex acetosa</i> L. seedlings: a metabolomic approach. <i>Natural Product Research</i> , 2021, 35, 4089-4093.	1.8	4
12	Unveiling the shade nature of cyanic leaves: A view from the "blue absorbing side" of anthocyanins. <i>Plant, Cell and Environment</i> , 2021, 44, 1119-1129.	5.7	31
13	Red-leafed species for urban "greening" in the age of global climate change. <i>Journal of Forestry Research</i> , 2021, 32, 151-159.	3.6	26
14	Iodine biofortification of sweet basil and lettuce grown in two hydroponic systems. <i>Scientia Horticulturae</i> , 2021, 276, 109783.	3.6	37
15	First Characterization of the Formation of Anthocyaninâ€™C and Anthocyaninâ€™B Complexes through UVâ€™Vis Spectroscopy and Density Functional Theory Quantum Chemical Calculations. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 1272-1282.	5.2	22
16	COVID-19 Prophylaxis Efforts Based on Natural Antiviral Plant Extracts and Their Compounds. <i>Molecules</i> , 2021, 26, 727.	3.8	42
17	Comparative phytochemical profile of the elephant garlic (<i>Allium ampeloprasum</i> var. <i>holmense</i>) and the common garlic (<i>Allium sativum</i>) from the Val di Chiana area (Tuscany, Italy) before and after in vitro gastrointestinal digestion. <i>Food Chemistry</i> , 2021, 338, 128011.	8.2	16
18	Brassinosteroid Signaling, Crosstalk and, Physiological Functions in Plants Under Heavy Metal Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 608061.	3.6	70

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19	Role of jasmonic acid in plants: the molecular point of view. <i>Plant Cell Reports</i> , 2021, 40, 1471-1494.	5.6	135
20	Girdling stimulates anthocyanin accumulation and promotes sugar, organic acid, amino acid level and antioxidant activity in red plum: An overview of skin and pulp metabolomics. <i>Scientia Horticulturae</i> , 2021, 280, 109907.	3.6	9
21	Amelioration of Chlorpyrifos-Induced Toxicity in <i>Brassica juncea</i> L. by Combination of 24-Epibrassinolide and Plant-Growth-Promoting Rhizobacteria. <i>Biomolecules</i> , 2021, 11, 877.	4.0	11
22	Editorial: Mineral Nutrition of Fruit Trees. <i>Agronomy</i> , 2021, 11, 1315.	3.0	0
23	Secondary Metabolites and Eco-Friendly Techniques for Agricultural Weed/Pest Management. <i>Plants</i> , 2021, 10, 1418.	3.5	3
24	Anthocyanins in photoprotection: knowing the actors in play to solve this complex ecophysiological issue. <i>New Phytologist</i> , 2021, 232, 2228-2235.	7.3	34
25	Ameliorative Role of Pre-Sowing Proline Treatment in <i>Coriandrum sativum</i> L. Seedlings under Mercury Toxicity. <i>Phyton</i> , 2021, 90, 489-501.	0.7	2
26	<i>Cannabis sativa</i> L. and <i>Brassica juncea</i> L. grown on arsenic-contaminated industrial soil: potentiality and limitation for phytoremediation. <i>Environmental Science and Pollution Research</i> , 2021, 29, 15983.	5.3	6
27	Plasticity of photosynthetic processes and the accumulation of secondary metabolites in plants in response to monochromatic light environments: A review. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148131.	1.0	124
28	Phytotoxicity, Morphological, and Metabolic Effects of the Sesquiterpenoid Nerolidol on <i>Arabidopsis thaliana</i> Seedling Roots. <i>Plants</i> , 2020, 9, 1347.	3.5	12
29	5-aminolevulinic acid regulates Krebs cycle, antioxidative system and gene expression in <i>Brassica juncea</i> L. to confer tolerance against lead toxicity. <i>Journal of Biotechnology</i> , 2020, 323, 283-292.	3.8	22
30	Does air pollution influence the success of species translocation? Trace elements, ultrastructure and photosynthetic performances in transplants of a threatened forest macrolichen. <i>Ecological Indicators</i> , 2020, 117, 106666.	6.3	9
31	Resistance of <i>Fritillaria imperialis</i> to freezing stress through gene expression, osmotic adjustment and antioxidants. <i>Scientific Reports</i> , 2020, 10, 10427.	3.3	42
32	Editorial: Responses of Tea Plants to Climate Change: From Molecules to Ecosystems. <i>Frontiers in Plant Science</i> , 2020, 11, 594317.	3.6	6
33	Comparison of Three Domestications and Wild-Harvested Plants for Nutraceutical Properties and Sensory Profiles in Five Wild Edible Herbs: Is Domestication Possible?. <i>Foods</i> , 2020, 9, 1065.	4.3	24
34	<i>Malus domestica</i> : A Review on Nutritional Features, Chemical Composition, Traditional and Medicinal Value. <i>Plants</i> , 2020, 9, 1408.	3.5	61
35	The Impact of Drought in Plant Metabolism: How to Exploit Tolerance Mechanisms to Increase Crop Production. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5692.	2.5	281
36	Influences of Postharvest Storage and Processing Techniques on Antioxidant and Nutraceutical Properties of <i>Rubus idaeus</i> L.: A Mini-Review. <i>Horticulturae</i> , 2020, 6, 105.	2.8	8

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37	Are Flavonoids Effective Antioxidants in Plants? Twenty Years of Our Investigation. <i>Antioxidants</i> , 2020, 9, 1098.	5.1	133
38	Airborne signals and abiotic factors: the neglected side of the plant communication. <i>Communicative and Integrative Biology</i> , 2020, 13, 67-73.	1.4	8
39	Modulation of photorespiration and nitrogen recycling in Fe-deficient cucumber leaves. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 142-150.	5.8	4
40	Short-term effects of the allelochemical umbelliferone on <i>Triticum durum</i> L. metabolism through GC-MS based untargeted metabolomics. <i>Plant Science</i> , 2020, 298, 110548.	3.6	17
41	Trichoderma: The "Secrets" of a Multitalented Biocontrol Agent. <i>Plants</i> , 2020, 9, 762.	3.5	287
42	Nutritional and nutraceutical properties of raw and traditionally obtained flour from chestnut fruit grown in Tuscany. <i>European Food Research and Technology</i> , 2020, 246, 1867-1876.	3.3	14
43	Suitability of Hydroponically-Grown <i>Rumex acetosa</i> L. as Fresh-Cut Produce. <i>Horticulturae</i> , 2020, 6, 4.	2.8	8
44	Bioactive Properties of Fruits and Leafy Vegetables Managed with Integrated, Organic, and Organic No-Tillage Practices in the Mediterranean Area: A Two-Year Rotation Experiment. <i>Agronomy</i> , 2020, 10, 841.	3.0	9
45	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from <i>Cassia fistula</i> L. Leaves. <i>Antioxidants</i> , 2020, 9, 173.	5.1	22
46	Girdled-induced anthocyanin accumulation in red-leafed <i>Prunus cerasifera</i> : Effect on photosynthesis, photoprotection and sugar metabolism. <i>Plant Science</i> , 2020, 294, 110456.	3.6	30
47	The Role of Salicylic Acid in Plants Exposed to Heavy Metals. <i>Molecules</i> , 2020, 25, 540.	3.8	213
48	"Help is in the air": volatiles from salt-stressed plants increase the reproductive success of receivers under salinity. <i>Planta</i> , 2020, 251, 48.	3.2	24
49	Therapeutic Potential of Brassinosteroids in Biomedical and Clinical Research. <i>Biomolecules</i> , 2020, 10, 572.	4.0	14
50	Metabolomic, proteomic and physiological insights into the potential mode of action of thymol, a phytotoxic natural monoterpenoid phenol. <i>Plant Physiology and Biochemistry</i> , 2020, 153, 141-153.	5.8	23
51	Red versus green leaves: transcriptomic comparison of foliar senescence between two <i>Prunus cerasifera</i> genotypes. <i>Scientific Reports</i> , 2020, 10, 1959.	3.3	8
52	Can anthocyanin presence ameliorate the photosynthetic performance of <i>Prunus</i> saplings subjected to polyethylene glycol-simulated water stress?. <i>Photosynthetica</i> , 2020, 58, 799-807.	1.7	8
53	Response of Phenylpropanoid Pathway and the Role of Polyphenols in Plants under Abiotic Stress. <i>Molecules</i> , 2019, 24, 2452.	3.8	999
54	Isolation of Phytochemicals from <i>Bauhinia variegata</i> L. Bark and Their In Vitro Antioxidant and Cytotoxic Potential. <i>Antioxidants</i> , 2019, 8, 492.	5.1	22

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55	Melatonin Stimulates Activities and Expression Level of Antioxidant Enzymes and Preserves Functionality of Photosynthetic Apparatus in Hickory Plants (<i>Carya cathayensis</i> Sarg.) under PEG-Promoted Drought. <i>Agronomy</i> , 2019, 9, 702.	3.0	28
56	Carum carvi L. essential oil: A promising candidate for botanical herbicide against <i>Echinochloa crus-galli</i> (L.) P. Beauv. in maize cultivation. <i>Industrial Crops and Products</i> , 2019, 140, 111652.	5.2	33
57	Ancient apple cultivars from Garfagnana (Tuscany, Italy): A potential source for "nutrafruit"™ production. <i>Food Chemistry</i> , 2019, 294, 518-525.	8.2	26
58	Boron toxicity in higher plants: an update. <i>Planta</i> , 2019, 250, 1011-1032.	3.2	128
59	Discerning between Two Tuscany (Italy) Ancient Apple cultivars, "Rotella"™ and "Casciana"™, through Polyphenolic Fingerprint and Molecular Markers. <i>Molecules</i> , 2019, 24, 1758.	3.8	2
60	Allocation Pattern, Nutrient Partitioning, Sugar Metabolism, and Pigment Composition in Hydroponically Grown Loquat Seedlings Subjected to Increasing Boron Concentrations. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 556-564.	3.4	10
61	CircumMed Pine Forest Database: an electronic archive for Mediterranean and Submediterranean pine forest vegetation data. <i>Phytocoenologia</i> , 2019, 49, 311-318.	0.5	9
62	Chlorophyll Fluorescence, Photoinhibition and Abiotic Stress: Does it Make Any Difference the Fact to Be a C3 or C4 Species?. <i>Frontiers in Plant Science</i> , 2019, 10, 174.	3.6	219
63	Toxicity and oviposition deterrence of essential oils of <i>Clinopodium nubigenum</i> and <i>Lavandula angustifolia</i> against the myiasis-inducing blowfly <i>Lucilia sericata</i> . <i>PLoS ONE</i> , 2019, 14, e0212576.	2.5	22
64	Boron Excess Imbalances Root/Shoot Allometry, Photosynthetic and Chlorophyll Fluorescence Parameters and Sugar Metabolism in Apple Plants. <i>Agronomy</i> , 2019, 9, 731.	3.0	19
65	Exploiting the Allelopathic Potential of Aqueous Leaf Extracts of <i>Artemisia absinthium</i> and <i>Psidium guajava</i> against <i>Parthenium hysterophorus</i> , a Widespread Weed in India. <i>Plants</i> , 2019, 8, 552.	3.5	24
66	Results from one-year use of an electronic Clinical Decision Support System in a post-conflict context: An implementation research. <i>PLoS ONE</i> , 2019, 14, e0225634.	2.5	18
67	Hydroponically Grown <i>Sanguisorba minor</i> Scop.: Effects of Cut and Storage on Fresh-Cut Produce. <i>Antioxidants</i> , 2019, 8, 631.	5.1	15
68	When "thirsty" means "less able to activate the signalling wave triggered by a pulse of ozone": A case of study in two Mediterranean deciduous oak species with different drought sensitivity. <i>Science of the Total Environment</i> , 2019, 657, 379-390.	8.0	30
69	Allocation pattern, photosynthetic performance and sugar metabolism in hydroponically grown seedlings of loquat (<i>Eriobotrya japonica</i> Lindl.) subjected to salinity. <i>Photosynthetica</i> , 2019, 57, 258-267.	1.7	11
70	Impact of forest management on threatened epiphytic macrolichens: evidence from a Mediterranean mixed oak forest (Italy). <i>IForest</i> , 2019, 12, 383-388.	1.4	12
71	Salinity alters plant's allometry and sugar metabolism, and impairs the photosynthetic process and photosystem II efficiency in <i>Eriobotrya japonica</i> plants. <i>Journal of Agricultural Economics</i> , 2019, , 27-42.	0.3	2
72	Soil and management factors differentially affect kiwifruit quality : a multivariate approach. <i>Journal of Agricultural Economics</i> , 2019, , 211-230.	0.3	1

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73	Living in a Mediterranean city in 2050: broadleaf or evergreen "citizens"? Environmental Science and Pollution Research, 2018, 25, 8161-8173.	5.3	21
74	How Quercus ilex L. saplings face combined salt and ozone stress: a transcriptome analysis. BMC Genomics, 2018, 19, 872.	2.8	15
75	Molecular and Physiological Adaptations of Tea Plant in Response to Low Light and UV Stress. , 2018, , 83-110.		2
76	Mediterranean Wild Edible Plants: Weeds or "New Functional Crops". Molecules, 2018, 23, 2299.	3.8	81
77	Origanum vulgare essential oils inhibit glutamate and aspartate metabolism altering the photorespiratory pathway in Arabidopsis thaliana seedlings. Journal of Plant Physiology, 2018, 231, 297-309.	3.5	31
78	Changes in sugar metabolism associated to stem bark thickening partially assist young tissues of Eriobotrya japonica seedlings under boron stress. Journal of Plant Physiology, 2018, 231, 337-345.	3.5	36
79	Multiple Consequences Induced by Epidermally-Located Anthocyanins in Young, Mature and Senescent Leaves of Prunus. Frontiers in Plant Science, 2018, 9, 917.	3.6	44
80	The harsh life of an urban tree: the effect of a single pulse of ozone in salt-stressed Quercus ilex saplings. Tree Physiology, 2017, 37, 246-260.	3.1	32
81	Allocation pattern, ion partitioning, and chlorophyll fluorescence in Arundo donax L. in responses to salinity stress. Plant Biosystems, 2017, 151, 613-622.	1.6	35
82	Artemisia spp. essential oils against the disease-carrying blowfly Calliphora vomitoria. Parasites and Vectors, 2017, 10, 80.	2.5	32
83	UV-vis spectroscopy and colorimetric models for detecting anthocyanin-metal complexes in plants: An overview of in vitro and in vivo techniques. Journal of Plant Physiology, 2017, 212, 13-28.	3.5	86
84	Commentary to: "Improving the thiobarbituric acid-reactive-substances assay for estimating lipid peroxidation in plant tissues containing anthocyanin and other interfering compounds" by Hodges et al., Planta (1999) 207:604-611. Planta, 2017, 245, 1067-1067.	3.2	720
85	Dissecting molecular and physiological response mechanisms to high solar radiation in cyanic and acyanic leaves: a case study on red and green basil. Journal of Experimental Botany, 2017, 68, 2425-2437.	4.8	42
86	Detection of nickel in maize roots: A novel nondestructive approach by reflectance spectroscopy and colorimetric models. Ecological Indicators, 2017, 82, 463-469.	6.3	4
87	Losing the Warning Signal: Drought Compromises the Cross-Talk of Signaling Molecules in Quercus ilex Exposed to Ozone. Frontiers in Plant Science, 2017, 8, 1020.	3.6	37
88	Cross-Talk between Physiological and Metabolic Adjustments Adopted by Quercus cerris to Mitigate the Effects of Severe Drought and Realistic Future Ozone Concentrations. Forests, 2017, 8, 148.	2.1	24
89	Contrasting the cracking phenomena in sweet cherries : positive effect of microelements addition (B, Tj ETQq1 1 0.784314 rgBT /Over	0.3	2
90	Protecting crop species from biotic and abiotic constraints in the era of Global Change: are we ready for this challenge?. American Journal of Agricultural and Biological Science, 2016, 11, 51-53.	0.4	9

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91	American Journal of Agricultural and Biological Sciences: Ten Years Later. American Journal of Agricultural and Biological Science, 2016, 11, 1-1.	0.4	0
92	De Novo Assembly and Comparative Transcriptome Analyses of Red and Green Morphs of Sweet Basil Grown in Full Sunlight. PLoS ONE, 2016, 11, e0160370.	2.5	25
93	Variations in physiological and biochemical traits of oak seedlings grown under drought and ozone stress. Physiologia Plantarum, 2016, 157, 69-84.	5.2	68
94	Salt-tolerant rootstock increases yield of pepper under salinity through maintenance of photosynthetic performance and sinks strength. Journal of Plant Physiology, 2016, 193, 1-11.	3.5	88
95	COLD STORAGE DOES NOT AFFECT ASCORBIC ACID AND POLYPHENOLIC CONTENT OF EDIBLE FLOWERS OF A NEW HYBRID OF SAGE. Journal of Agricultural Economics, 2016, , .	0.3	5
96	Overexpression of L-galactono-1,4-lactone dehydrogenase (L-GalLDH) gene correlates with increased ascorbate concentration and reduced browning in leaves of Lactuca sativa L. after cutting. Plant Cell, Tissue and Organ Culture, 2015, 123, 109-120.	2.3	19
97	Effect of Chlorine Dioxide and Ascorbic Acid on Enzymatic Browning and Shelf Life of Fresh-Cut Red Delicious and Granny Smith Apples. Journal of Food Processing and Preservation, 2015, 39, 2925-2934.	2.0	31
98	Can Anthocyanins be Part of the Metal Homeostasis Network in Plant?. American Journal of Agricultural and Biological Science, 2015, 10, 170-177.	0.4	19
99	Boron accumulation and tolerance in sweet basil (<i>Ocimum basilicum</i> L.) with green or purple leaves. Plant and Soil, 2015, 395, 375-389.	3.7	31
100	Multiple functional roles of anthocyanins in plant-environment interactions. Environmental and Experimental Botany, 2015, 119, 4-17.	4.2	468
101	Effect of rootstock and manual floral bud thinning on organoleptical and nutraceutical properties of sweet cherry (<i>Prunus avium</i> L.) cv 'Lapins'. Journal of Agricultural Economics, 2015, , .	0.3	7
102	Thirty years of fresh-cut: strengths and weaknesses of a successful product. Journal of Agricultural Economics, 2015, , .	0.3	0
103	Epidermal coumaroyl anthocyanins protect sweet basil against excess light stress: multiple consequences of light attenuation. Physiologia Plantarum, 2014, 152, 585-598.	5.2	77
104	Photoprotection by foliar anthocyanins mitigates effects of boron toxicity in sweet basil (<i>Ocimum</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.2	86
105	Do Sun- versus Shade-Grown Kiwifruits Perform Differently upon Storage? An Overview of Fruit Maturity and Nutraceutical Properties of Whole and Fresh-Cut Produce. Journal of Agricultural and Food Chemistry, 2014, 62, 4377-4383.	5.2	9
106	Boron excess affects photosynthesis and antioxidant apparatus of greenhouse Cucurbita pepo and Cucumis sativus. Journal of Plant Research, 2013, 126, 775-786.	2.4	45
107	Purple <i>versus</i> green-leafed <i>Ocimum basilicum</i> : Which differences occur with regard to photosynthesis under boron toxicity?. Journal of Plant Nutrition and Soil Science, 2013, 176, 942-951.	1.9	34
108	Role of ascorbic acid in the inhibition of polyphenol oxidase and the prevention of browning in different browning-sensitive <i>Lactuca sativa</i> var. <i>capitata</i> (L.) and <i>Eruca sativa</i> (Mill.) stored as fresh-cut produce. Journal of the Science of Food and Agriculture, 2013, 93, 1814-1819.	3.5	51

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109	Antioxidant and photosynthetic response of a purple-leaved and a green-leaved cultivar of sweet basil (<i>Ocimum basilicum</i>) to boron excess. <i>Environmental and Experimental Botany</i> , 2013, 85, 64-75.	4.2	88
110	ANTIOXIDANT AND PHOTOSYNTHETIC RESPONSES IN PLANTS UNDER BORON TOXICITY: A REVIEW. <i>American Journal of Agricultural and Biological Science</i> , 2012, 7, 255-270.	0.4	73
111	How Does Chloroplast Protect Chlorophyll Against Excessive Light?. , 0, , .		17
112	Nitric oxide mediated mechanisms adopted by plants to cope with salinity. <i>Biologia Plantarum</i> , 0, 64, 512-518.	1.9	21