Marco Landi

List of Publications by Year
in descending order

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Version: 2024-02-01

112	6,110	136950	82547
papers	citations	32 h-index	72 g-index

115	115	115	6929
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Response of Phenylpropanoid Pathway and the Role of Polyphenols in Plants under Abiotic Stress. Molecules, 2019, 24, 2452.	3.8	999
2	Commentary to: â€œImproving the thiobarbituric acid-reactive-substances assay for estimating lipid peroxidation in plant tissues containing anthocyanin and other interfering compoundsâ€•by Hodges et al., Planta (1999) 207:604â€“611. Planta, 2017, 245, 1067-1067.	3.2	720
3	Multiple functional roles of anthocyanins in plant-environment interactions. Environmental and Experimental Botany, 2015, 119, 4-17.	4.2	468
4	Trichoderma: The â€œSecretsâ€•of a Multitalented Biocontrol Agent. Plants, 2020, 9, 762.	3.5	287
5	The Impact of Drought in Plant Metabolism: How to Exploit Tolerance Mechanisms to Increase Crop Production. Applied Sciences (Switzerland), 2020, 10, 5692.	2.5	281
6	Chlorophyll Fluorescence, Photoinhibition and Abiotic Stress: Does it Make Any Difference the Fact to Be a C3 or C4 Species?. Frontiers in Plant Science, 2019, 10, 174.	3.6	219
7	The Role of Salicylic Acid in Plants Exposed to Heavy Metals. Molecules, 2020, 25, 540.	3.8	213
8	Role of jasmonic acid in plants: the molecular point of view. Plant Cell Reports, 2021, 40, 1471-1494.	5.6	135
9	Are Flavonoids Effective Antioxidants in Plants? Twenty Years of Our Investigation. Antioxidants, 2020, 9, 1098.	5.1	133
10	Boron toxicity in higher plants: an update. Planta, 2019, 250, 1011-1032.	3.2	128
11	Plasticity of photosynthetic processes and the accumulation of secondary metabolites in plants in response to monochromatic light environments: A review. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148131.	1.0	124
12	Antioxidant and photosynthetic response of a purple-leaved and a green-leaved cultivar of sweet basil (Ocimum basilicum) to boron excess. Environmental and Experimental Botany, 2013, 85, 64-75.	4.2	88
13	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
14	Photoprotection by foliar anthocyanins mitigates effects of boron toxicity in sweet basil (Ocimum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	86
15	UVâ€“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
16	Mediterranean Wild Edible Plants: Weeds or â€œNew Functional Cropsâ€?. Molecules, 2018, 23, 2299.	3.8	81
17	Epidermal coumaroyl anthocyanins protect sweet basil against excess light stress: multiple consequences of light attenuation. Physiologia Plantarum, 2014, 152, 585-598.	5.2	77
18	ANTIOXIDANT AND PHOTOSYNTHETIC RESPONSES IN PLANTS UNDER BORON TOXICITY: A REVIEW. American Journal of Agricultural and Biological Science, 2012, 7, 255-270.	0.4	73

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19	Brassinosteroid Signaling, Crosstalk and, Physiological Functions in Plants Under Heavy Metal Stress. Frontiers in Plant Science, 2021, 12, 608061.	3.6	70
20	Variations in physiological and biochemical traits of oak seedlings grown under drought and ozone stress. Physiologia Plantarum, 2016, 157, 69-84.	5.2	68
21	Malus domestica: A Review on Nutritional Features, Chemical Composition, Traditional and Medicinal Value. Plants, 2020, 9, 1408.	3.5	61
22	Role of ascorbic acid in the inhibition of polyphenol oxidase and the prevention of browning in different browningâ€sensitive Lactuca sativa var. capitata (L.) and Eruca sativa (Mill.) stored as freshâ€cut produce. Journal of the Science of Food and Agriculture, 2013, 93, 1814-1819.	3.5	51
23	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
24	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
25	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
26	Resistance of Fritillaria imperialis to freezing stress through gene expression, osmotic adjustment and antioxidants. Scientific Reports, 2020, 10, 10427.	3.3	42
27	COVID-19 Prophylaxis Efforts Based on Natural Antiviral Plant Extracts and Their Compounds. Molecules, 2021, 26, 727.	3.8	42
28	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
29	Iodine biofortification of sweet basil and lettuce grown in two hydroponic systems. Scientia Horticulturae, 2021, 276, 109783.	3.6	37
30	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
31	Allocation pattern, ion partitioning, and chlorophyll a fluorescence in Arundo donax L. in responses to salinity stress. Plant Biosystems, 2017, 151, 613-622.	1.6	35
32	Heavy metal induced regulation of plant biology: Recent insights. Physiologia Plantarum, 2022, 174, e13688.	5.2	35
33	Purple versus greenâ€leafed Ocimum basilicum: Which differences occur with regard to photosynthesis under boron toxicity?. Journal of Plant Nutrition and Soil Science, 2013, 176, 942-951.	1.9	34
34	Anthocyanins in photoprotection: knowing theÂactors in play to solve thisÂcomplex ecophysiological issue. New Phytologist, 2021, 232, 2228-2235.	7.3	34
35	Carum carvi L. essential oil: A promising candidate for botanical herbicide against Echinochloa crus-galli (L.) P. Beauv. in maize cultivation. Industrial Crops and Products, 2019, 140, 111652.	5.2	33
36	The harsh life of an urban tree: the effect of a single pulse of ozone in salt-stressedQuercus ilexsaplings. Tree Physiology, 2017, 37, 246-260.	3.1	32

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37	Artemisia spp. essential oils against the disease-carrying blowfly Calliphora vomitoria. Parasites and Vectors, 2017, 10, 80.	2.5	32
38	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
39	Boron accumulation and tolerance in sweet basil (Ocimum basilicum L.) with green or purple leaves. Plant and Soil, 2015, 395, 375-389.	3.7	31
40	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
41	Unveiling the shade nature of cyanic leaves: A view from the â€œblue absorbing sideâ€•of anthocyanins. Plant, Cell and Environment, 2021, 44, 1119-1129.	5.7	31
42	When â€œthirstyâ€•means â€œless able to activate the signalling wave trigged by a pulse of ozoneâ€¦ A case of study in two Mediterranean deciduous oak species with different drought sensitivity. Science of the Total Environment, 2019, 657, 379-390.	8.0	30
43	Girled-induced anthocyanin accumulation in red-leafed Prunus cerasifera: Effect on photosynthesis, photoprotection and sugar metabolism. Plant Science, 2020, 294, 110456.	3.6	30
44	Melatonin Stimulates Activities and Expression Level of Antioxidant Enzymes and Preserves Functionality of Photosynthetic Apparatus in Hickory Plants (Carya cathayensis Sarg.) under PEG-Promoted Drought. Agronomy, 2019, 9, 702.	3.0	28
45	Ancient apple cultivars from Garfagnana (Tuscany, Italy): A potential source for â€˜nutrafruitâ€™ production. Food Chemistry, 2019, 294, 518-525.	8.2	26
46	Red-leafed species for urban â€œgreeningâ€•in the age of global climate change. Journal of Forestry Research, 2021, 32, 151-159.	3.6	26
47	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
48	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
49	Exploiting the Allelopathic Potential of Aqueous Leaf Extracts of Artemisia absinthium and Psidium guajava against Parthenium hysterophorus, a Widespread Weed in India. Plants, 2019, 8, 552.	3.5	24
50	Comparison of Three Domestications and Wild-Harvested Plants for Nutraceutical Properties and Sensory Profiles in Five Wild Edible Herbs: Is Domestication Possible?. Foods, 2020, 9, 1065.	4.3	24
51	â€œHelp is in the airâ€¦ volatiles from salt-stressed plants increase the reproductive success of receivers under salinity. Planta, 2020, 251, 48.	3.2	24
52	Metabolomic, proteomic and physiological insights into the potential mode of action of thymol, a phytotoxic natural monoterpenoid phenol. Plant Physiology and Biochemistry, 2020, 153, 141-153.	5.8	23
53	Isolation of Phytochemicals from Bauhinia variegata L. Bark and Their In Vitro Antioxidant and Cytotoxic Potential. Antioxidants, 2019, 8, 492.	5.1	22
54	Toxicity and oviposition deterrence of essential oils of Clinopodium nubigenum and Lavandula angustifolia against the myiasis-inducing blowfly Lucilia sericata. PLoS ONE, 2019, 14, e0212576.	2.5	22

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55	5-aminolevulinic acid regulates Krebs cycle, antioxidative system and gene expression in Brassica juncea L. to confer tolerance against lead toxicity. Journal of Biotechnology, 2020, 323, 283-292.	3.8	22
56	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from Cassia fistula L. Leaves. Antioxidants, 2020, 9, 173.	5.1	22
57	First Characterization of the Formation of Anthocyaninâ€“Ge and Anthocyaninâ€“B Complexes through UVâ€“Vis Spectroscopy and Density Functional Theory Quantum Chemical Calculations. Journal of Agricultural and Food Chemistry, 2021, 69, 1272-1282.	5.2	22
58	Living in a Mediterranean city in 2050: broadleaf or evergreen â€˜citizensâ€™?. Environmental Science and Pollution Research, 2018, 25, 8161-8173.	5.3	21
59	Nitric oxide mediated mechanisms adopted by plants to cope with salinity. Biologia Plantarum, 0, 64, 512-518.	1.9	21
60	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
61	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
62	Boron Excess Imbalances Root/Shoot Allometry, Photosynthetic and Chlorophyll Fluorescence Parameters and Sugar Metabolism in Apple Plants. Agronomy, 2019, 9, 731.	3.0	19
63	Results from one-year use of an electronic Clinical Decision Support System in a post-conflict context: An implementation research. PLoS ONE, 2019, 14, e0225634.	2.5	18
64	How Does Chloroplast Protect Chlorophyll Against Excessive Light?. , 0, , .		17
65	Short-term effects of the allelochemical umbelliferone on Triticum durum L. metabolism through GCâ€“MS based untargeted metabolomics. Plant Science, 2020, 298, 110548.	3.6	17
66	Comparative phytochemical profile of the elephant garlic (Allium ampeloprasum var. holmense) and the common garlic (Allium sativum) from the Val di Chiana area (Tuscany, Italy) before and after in vitro gastrointestinal digestion. Food Chemistry, 2021, 338, 128011.	8.2	16
67	How Quercus ilex L. saplings face combined salt and ozone stress: a transcriptome analysis. BMC Genomics, 2018, 19, 872.	2.8	15
68	Hydroponically Grown Sanguisorba minor Scop.: Effects of Cut and Storage on Fresh-Cut Produce. Antioxidants, 2019, 8, 631.	5.1	15
69	Nutritional and nutraceutical properties of raw and traditionally obtained flour from chestnut fruit grown in Tuscany. European Food Research and Technology, 2020, 246, 1867-1876.	3.3	14
70	Therapeutic Potential of Brassinosteroids in Biomedical and Clinical Research. Biomolecules, 2020, 10, 572.	4.0	14
71	Brassinosteroids and metalloids: Regulation of plant biology. Journal of Hazardous Materials, 2022, 424, 127518.	12.4	13
72	Phytotoxicity, Morphological, and Metabolic Effects of the Sesquiterpenoid Nerolidol on Arabidopsis thaliana Seedling Roots. Plants, 2020, 9, 1347.	3.5	12

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73	Impact of forest management on threatened epiphytic macrolichens: evidence from a Mediterranean mixed oak forest (Italy). IForest, 2019, 12, 383-388.	1.4	12
74	Evaluation of Major Minerals and Trace Elements in Wild and Domesticated Edible Herbs Traditionally Used in the Mediterranean Area. Biological Trace Element Research, 2021, 199, 3553-3561.	3.5	11
75	Amelioration of Chlorpyrifos-Induced Toxicity in Brassica juncea L. by Combination of 24-Epibrassinolide and Plant-Growth-Promoting Rhizobacteria. Biomolecules, 2021, 11, 877.	4.0	11
76	Allocation pattern, photosynthetic performance and sugar metabolism in hydroponically grown seedlings of loquat (Eriobotrya japonica Lindl.) subjected to salinity. Photosynthetica, 2019, 57, 258-267.	1.7	11
77	Can Light Spectrum Composition Increase Growth and Nutritional Quality of Linum usitatissimum L. Sprouts and Microgreens?. Horticulturae, 2022, 8, 98.	2.8	11
78	Stress, senescence and specialised metabolites in bryophytes. Journal of Experimental Botany, 2022, , .	4.8	11
79	Allocation Pattern, Nutrient Partitioning, Sugar Metabolism, and Pigment Composition in Hydroponically Grown Loquat Seedlings Subjected to Increasing Boron Concentrations. Journal of Soil Science and Plant Nutrition, 2019, 19, 556-564.	3.4	10
80	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
81	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
82	CircumMed Pine Forest Database: an electronic archive for Mediterranean and Submediterranean pine forest vegetation data. Phytocoenologia, 2019, 49, 311-318.	0.5	9
83	Does air pollution influence the success of species translocation? Trace elements, ultrastructure and photosynthetic performances in transplants of a threatened forest macrolichen. Ecological Indicators, 2020, 117, 106666.	6.3	9
84	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. Agronomy, 2020, 10, 841.	3.0	9
85	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. Scientia Horticulturae, 2021, 280, 109907.	3.6	9
86	Influences of Postharvest Storage and Processing Techniques on Antioxidant and Nutraceutical Properties of Rubus idaeus L.: A Mini-Review. Horticulturae, 2020, 6, 105.	2.8	8
87	Airborne signals and abiotic factors: the neglected side of the plant communication. Communicative and Integrative Biology, 2020, 13, 67-73.	1.4	8
88	Suitability of Hydroponically-Grown Rumex acetosa L. as Fresh-Cut Produce. Horticulturae, 2020, 6, 4.	2.8	8
89	Red versus green leaves: transcriptomic comparison of foliar senescence between two Prunus cerasifera genotypes. Scientific Reports, 2020, 10, 1959.	3.3	8
90	Can anthocyanin presence ameliorate the photosynthetic performance of Prunus saplings subjected to polyethylene glycol-simulated water stress?. Photosynthetica, 2020, 58, 799-807.	1.7	8

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91	Effect of rootstock and manual floral bud thinning on organoleptical and nutraceutical properties of sweet cherry (Prunus avium L.) cv 'Lapins'. Journal of Agricultural Economics, 2015, , .	0.3	7
92	Editorial: Responses of Tea Plants to Climate Change: From Molecules to Ecosystems. Frontiers in Plant Science, 2020, 11, 594317.	3.6	6
93	Cannabis sativa L. and Brassica juncea L. grown on arsenic-contaminated industrial soil: potentiality and limitation for phytoremediation. Environmental Science and Pollution Research, 2021, 29, 15983.	5.3	6
94	Pre-Acclimation to Elevated Temperature Stabilizes the Activity of Photosystem I in Wheat Plants Exposed to an Episode of Severe Heat Stress. Plants, 2022, 11, 616.	3.5	6
95	Biochar as a soil amendment in the tree establishment phase: What are the consequences for tree physiology, soil quality and carbon sequestration?. Science of the Total Environment, 2022, 844, 157175.	8.0	6
96	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
97	Seasonal Fluctuations of Crop Yield, Total Phenolic Content and Antioxidant Activity in Fresh or Cooked Borage (Borago officinalis L.), Mallow (Malva sylvestris L.) and Buckâ€™s-Horn Plantain (Plantago coronopus L.) Leaves. Horticulturae, 2022, 8, 253.	2.8	5
98	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
99	Modulation of photorespiration and nitrogen recycling in Fe-deficient cucumber leaves. Plant Physiology and Biochemistry, 2020, 154, 142-150.	5.8	4
100	Effect of cut on secondary metabolite profile in hydroponically-grown Rumex acetosa L. seedlings: a metabolomic approach. Natural Product Research, 2021, 35, 4089-4093.	1.8	4
101	Secondary Metabolites and Eco-Friendly Techniques for Agricultural Weed/Pest Management. Plants, 2021, 10, 1418.	3.5	3
102	Molecular and Physiological Adaptations of Tea Plant in Response to Low Light and UV Stress. , 2018, , 83-110.		2
103	Discerning between Two Tuscany (Italy) Ancient Apple cultivars, â€˜Rotellaâ€™ and â€˜Cascianaâ€™, through Polyphenolic Fingerprint and Molecular Markers. Molecules, 2019, 24, 1758.	3.8	2
104	Ameliorative Role of Pre-Sowing Proline Treatment in Coriandrum sativum L. Seedlings under Mercury Toxicity. Phyton, 2021, 90, 489-501.	0.7	2
105	Salinity alters plant's allometry and sugar metabolism, and impairs the photosynthetic process and photosystem II efficiency in Eriobotrya japonica plants. Journal of Agricultural Economics, 2019, , 27-42.	0.3	2
106	Contrasting the cracking phenomena in sweet cherries : positive effect of microelements addition (B,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf .	0.3	2
107	Soil and management factors differentially affect kiwifruit quality : a multivariate approach. Journal of Agricultural Economics, 2019, , 211-230.	0.3	1
108	American Journal of Agricultural and Biological Sciences: Ten Years Later. American Journal of Agricultural and Biological Science, 2016, 11, 1-1.	0.4	0

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109	Editorial: Mineral Nutrition of Fruit Trees. Agronomy, 2021, 11, 1315.	3.0	0
110	Measurements of Anthocyanin Content of Prunus Leaves Using Proximal Sensing Spectroscopy and Statistical Machine Learning. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	0
111	Thirty years of fresh-cut: strengths and weaknesses of a successful product. Journal of Agricultural Economics, 2015, , .	0.3	0
112	Boron, hormones and secondary metabolites in plants: a molecular point of view. , 2022, , 271-291.		0