Luca Vitale

List of Publications by Year
in descending order

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47	740	471509	580821
papers	citations	17	25
		h-index	g-index

48	48	48	1172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of monochromatic red and blue light in tomato early photomorphogenesis and photosynthetic traits. Environmental and Experimental Botany, 2020, 179, 104195.	4.2	74
2	ORCHIDEE-CROP (v0), a new process-based agro-land surface model: model description and evaluation over Europe. Geoscientific Model Development, 2016, 9, 857-873.	3.6	51
3	Remote sensing of LAI, chlorophyll and leaf nitrogen pools of crop- and grasslands in five European landscapes. Biogeosciences, 2013, 10, 6279-6307.	3.3	40
4	Anatomy and photochemical behaviour of Mediterranean Cistus incanus winter leaves under natural outdoor and warmer indoor conditions. Botany, 2011, 89, 677-688.	1.0	39
5	The influence of management and environmental variables on soil N2O emissions in a crop system in Southern Italy. Plant and Soil, 2011, 343, 83-96.	3.7	35
6	The response of ecosystem carbon fluxes to LAI and environmental drivers in a maize crop grown in two contrasting seasons. International Journal of Biometeorology, 2016, 60, 411-420.	3.0	34
7	Paraheliotropism in Robinia pseudoacacia L.: an efficient strategy to optimise photosynthetic performance under natural environmental conditions. Plant Biology, 2008, 10, 194-201.	3.8	33
8	Effect of Salinity on Growth Parameters, Soil Water Potential and Ion Composition in Cucumis melo cv. Huanghemi in Northâ€Western China. Journal of Agronomy and Crop Science, 2017, 203, 41-55.	3.5	29
9	Photosynthesis and photoprotective strategies inLaurus nobilisL. andQuercus ilexL. under summer drought and winter cold. Plant Biosystems, 2008, 142, 472-479.	1.6	28
10	Assessment of Eco-Physiological Performance of Quercus ilex L. Leaves in Urban Area by an Integrated Approach. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	27
11	Growth and gas exchange response to water shortage of a maize crop on different soil types. Acta Physiologiae Plantarum, 2009, 31, 331-341.	2.1	24
12	Seasonal changes in photosynthetic activity and photochemical efficiency of the Mediterranean shrubPhillyrea angustifoliaL. Plant Biosystems, 2012, 146, 443-450.	1.6	24
13	Metal compartmentalization in different biomass portions of Helianthus annuus L. and Sorghum bicolor L. grown in an agricultural field inside an urban fabric. Applied Soil Ecology, 2017, 121, 118-126.	4.3	24
14	Gas exchange and leaf metabolism of irrigated maize at different growth stages. Plant Biosystems, 2011, 145, 485-494.	1.6	23
15	Effects of water stress on gas exchange of field grown Zea mays L. in Southern Italy: an analysis at canopy and leaf level. Acta Physiologiae Plantarum, 2007, 29, 317-326.	2.1	20
16	Effects of different light quality and biofertilizers on structural and physiological traits of spinach plants. Photosynthetica, 2020, 58, 932-943.	1.7	20
17	Variations of agricultural soil quality during the growth stages of sorghum and sunflower. Applied Soil Ecology, 2020, 152, 103569.	4.3	17
18	The Ageing Process Affects the Antioxidant Defences and the Poly (ADPribosyl)ation Activity in Cistus Incanus L. Leaves. Antioxidants, 2019, 8, 528.	5.1	15

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19	Suitability of two types of organic wastes for the growth of sclerophyllous shrubs on limestone debris: A mesocosm trial. Science of the Total Environment, 2010, 408, 1508-1514.	8.0	14
20	Winter and summer leaves of Cistus incanus: differences in leaf morphofunctional traits, photosynthetic energy partitioning, and poly(ADP-ribose) polymerase (PARP) activity. Botany, 2013, 91, 805-813.	1.0	14
21	Fertilizer type influences tomato yield and soil N₂O emissions. Plant, Soil and Environment, 2017, 63, 105-110.	2.2	13
22	Impact of Anthropic Activities on Soil Quality under Different Land Uses. International Journal of Environmental Research and Public Health, 2021, 18, 8423.	2.6	13
23	Photo-Protective Mechanisms and the Role of Poly (ADP-Ribose) Polymerase Activity in a Facultative CAM Plant Exposed to Long-Term Water Deprivation. Plants, 2020, 9, 1192.	3.5	11
24	Soil Fertilization with Urea Has Little Effect on Seed Quality but Reduces Soil N2O Emissions from a Hemp Cultivation. Agriculture (Switzerland), 2020, 10, 240.	3.1	11
25	Photosynthetic response of Quercus ilex L. plants grown on compost and exposed to increasing photon flux densities and elevated CO₂. Photosynthetica, 2005, 43, 615-619.	1.7	10
26	The efficient physiological strategy of a novel tomato genotype to adapt to chronic combined water and heat stress. Plant Biology, 2022, 24, 62-74.	3.8	9
27	Influence of irradiance on photosynthesis and PSII photochemical efficiency in maize during short-term exposure at high CO₂ concentration. Photosynthetica, 2011, 49, 267-274.	1.7	8
28	Effects of 3,4-dimethylphyrazole phosphate-added nitrogen fertilizers on crop growth and N₂O emissions in Southern Italy. Plant, Soil and Environment, 2013, 59, 517-523.	2.2	8
29	Water regime affects soil N2O emission and tomato yield grown under different types of fertilisers. Italian Journal of Agronomy, 0, , 74-79.	1.0	8
30	Cross-correlations of Biogenic Volatile Organic Compounds (BVOC) emissions typify different phenological stages and stressful events in a Mediterranean Sorghum plantation. Agricultural and Forest Meteorology, 2021, 303, 108380.	4.8	8
31	Using remote sensing information to enhance the understanding of the coupling of terrestrial ecosystem evapotranspiration and photosynthesis on a global scale. International Journal of Applied Earth Observation and Geoinformation, 2021, 100, 102329.	2.8	8
32	Effects of heat stress on gas exchange and photosystem II (PSII) photochemical activity of Phillyrea angustifolia exposed to elevated CO₂ and subsaturating irradiance. Botany, 2008, 86, 435-441.	1.0	7
33	Effects of Irrigation on N2O Emissions in a Maize Crop Grown on Different Soil Types in Two Contrasting Seasons. Agriculture (Switzerland), 2020, 10, 623.	3.1	7
34	Light Spectral Composition Influences Structural and Eco-Physiological Traits of Solanum lycopersicum L. cv. â€˜Microtomâ€™ in Response to High-LET Ionizing Radiation. Plants, 2021, 10, 1752.	3.5	7
35	Morphological and physiological modifications ofCistus salvifoliusL. winter leaves in response to the rise in winter temperatures. Plant Biosystems, 2014, 148, 1093-1101.	1.6	6
36	Chilling-induced reduction of photosynthesis is mitigated by exposure to elevated CO₂ concentrations. Photosynthetica, 2018, 56, 1259-1267.	1.7	6

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37	Effects of the Fertilizer Added with DMPP on Soil Nitrous Oxide Emissions and Microbial Functional Diversity. Agriculture (Switzerland), 2021, 11, 12.	3.1	6
38	Ecosystem carbon fluxes of a ryegrass and clover fodder crop in a Mediterranean environment. Photosynthetica, 2011, 49, .	1.7	4
39	Role of Poly(ADP-Ribose) Polymerase (PARP) Enzyme in the Systemic Acquired Acclimation Induced by Light Stress in Phaseolus vulgaris L. Plants. Plants, 2022, 11, 1870.	3.5	2
40	Biogenic Volatile Organic Compounds (BVOCs) exchanges over Sorghum bicolor L. during a whole growing season in the Southern Europe. , 2019, , .		1
41	Aerated Buffalo Slurry Improves Spinach Plant Growth and Mitigates CO2 and N2O Emissions from Soil. Agriculture (Switzerland), 2021, 11, 758.	3.1	1
42	Paraheliotropism in Robinia pseudoacacia Plants: An Efficient Means to Cope with Photoinhibition. , 2008, , 1403-1406.		1
43	Land-atmosphere exchange of N2 O, CH4 and CO2 from a Mediterranean rotation cropland. , 2019, , .		0
44	Effects of Nitrogen and/or Sulphur Deprivation on the Regulation of Photosynthesis in Barley Seedlings. , 2008, , 1603-1606.		0
45	Photosynthetic Adaptive Strategies in Evergreen and Semi-Deciduous Species of Mediterranean Maquis During Winter. , 0, , .		0
46	Agriculture 2.0: Light Emitting Diode (LED), Light Quality, and Crop Production in Controlled Environment Facilities. Acta Scientific Agriculture, 2019, 3, 154-154.	0.2	0
47	Process-oriented simulation and observations of N2O emission from intensively managed agricultural cropping system. , 2021, , .		0