Francesco Petruzzellis

List of Publications by Year
in descending order

34	838	430874 18	526287 27
papers	citations	h-index	g-index

34	34	34	1073
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High spatial heterogeneity of water stress levels in RefoÅ¡k grapevines cultivated in Classical Karst. Agricultural Water Management, 2022, 260, 107288.	5.6	4
2	No Evidence for Light-Induced Embolism Repair in Cut Stems of Drought-Resistant Mediterranean Species under Soaking. Plants, 2022, 11, 307.	3.5	5
3	Climate Change Risk and Vulnerabilities Analysis in Trieste SECAP. Sustainability, 2022, 14, 5973.	3.2	1
4	Water â€˜on the rocksâ€™: a summer drink for thirsty trees?. New Phytologist, 2021, 229, 199-212.	7.3	29
5	The extraâ€vascular water pathway regulates dynamic leaf hydraulic decline and recovery in Populus nigra. Physiologia Plantarum, 2021, 172, 29-40.	5.2	13
6	Chemical inhibition of xylem cellular activity impedes the removal of droughtâ€induced embolisms in poplar stems â€“ new insights from microâ€CT analysis. New Phytologist, 2021, 229, 820-830.	7.3	30
7	Use of Sentinel-2 Satellite Data for Windthrows Monitoring and Delimiting: The Case of â€œVaiaâ€•Storm in Friuli Venezia Giulia Region (North-Eastern Italy). Remote Sensing, 2021, 13, 1530.	4.0	9
8	Shadeâ€induced reduction of stem nonstructural carbohydrates increases xylem vulnerability to embolism and impedes hydraulic recovery in Populus nigra. New Phytologist, 2021, 231, 108-121.	7.3	34
9	Functional differentiation of invasive and native plants along a leaf efficiency/safety trade-off. Environmental and Experimental Botany, 2021, 188, 104518.	4.2	14
10	Too dry to survive: Leaf hydraulic failure in two Salvia species can be predicted on the basis of water content. Plant Physiology and Biochemistry, 2021, 166, 215-224.	5.8	13
11	Drivers of distanceâ€decay in bryophyte assemblages at multiple spatial scales: Dispersal limitations or environmental control?. Journal of Vegetation Science, 2020, 31, 293-306.	2.2	6
12	The Possible Role of Non-Structural Carbohydrates in the Regulation of Tree Hydraulics. International Journal of Molecular Sciences, 2020, 21, 144.	4.1	76
13	A Leaf Selfie: Using a Smartphone to Quantify Leaf Vulnerability to Hydraulic Dysfunction. Plants, 2020, 9, 234.	3.5	6
14	Correlation of Field-Measured and Remotely Sensed Plant Water Status as a Tool to Monitor the Risk of Drought-Induced Forest Decline. Forests, 2020, 11, 77.	2.1	36
15	Functional Divergence Drives Invasibility of Plant Communities at the Edges of a Resource Availability Gradient. Diversity, 2020, 12, 148.	1.7	12
16	Less safety for more efficiency: water relations and hydraulics of the invasive treeAilanthus altissima(Mill.) Swingle compared with nativeFraxinus ornusL.. Tree Physiology, 2019, 39, 76-87.	3.1	36
17	Grapevine water relations and rooting depth in karstic soils. Science of the Total Environment, 2019, 692, 669-675.	8.0	12
18	Cross Taxon Congruence Between Lichens and Vascular Plants in a Riparian Ecosystem. Diversity, 2019, 11, 133.	1.7	6

#	Article	IF	Citations
19	Non-structural carbohydrate and hydraulic dynamics during drought and recovery in Fraxinus ornus and Ostrya carpinifolia saplings. Plant Physiology and Biochemistry, 2019, 145, 1-9.	5.8	38
20	Plantâ€“environment interactions through a functional traits perspective: a review of Italian studies. Plant Biosystems, 2019, 153, 853-869.	1.6	48
21	Vulnerability to xylem embolism correlates to wood parenchyma fraction in angiosperms but not in gymnosperms. Tree Physiology, 2019, 39, 1675-1684.	3.1	38
22	Hydraulic recovery from xylem embolism in excised branches of twelve woody species: Relationships with parenchyma cells and non-structural carbohydrates. Plant Physiology and Biochemistry, 2019, 139, 513-520.	5.8	48
23	A simplified framework for fast and reliable measurement of leaf turgor loss point. Plant Physiology and Biochemistry, 2019, 139, 395-399.	5.8	22
24	Make it simpler: Alien species decrease functional diversity of coastal plant communities. Journal of Vegetation Science, 2019, 30, 498-509.	2.2	52
25	Plasticity of functional traits of tree of heaven is higher in exotic than in native habitats. Trees - Structure and Function, 2019, 33, 411-420.	1.9	9
26	Insights from inÂvivo microâ€<scp>CT</scp> analysis: testing the hydraulic vulnerability segmentation in Acer pseudoplatanus and Fagus sylvatica seedlings. New Phytologist, 2019, 221, 1831-1842.	7.3	53
27	Relationships between water status and photosystem functionality in a chlorolichen and its isolated photobiont. Planta, 2018, 247, 705-714.	3.2	10
28	Vineyard water relations in a karstic area: deep roots and irrigation management. Agriculture, Ecosystems and Environment, 2018, 263, 53-59.	5.3	22
29	The pitfalls of inÂvivo imaging techniques: evidence for cellular damage caused by synchrotron Xâ€ray computed microâ€tomography. New Phytologist, 2018, 220, 104-110.	7.3	40
30	Relation between water status and desiccation-affected genes in the lichen photobiont Trebouxia gelatinosa. Plant Physiology and Biochemistry, 2018, 129, 189-197.	5.8	28
31	Drought-induced embolism in stems of sunflower: A comparison of inÂvivo micro-CT observations and destructive hydraulic measurements. Plant Physiology and Biochemistry, 2017, 120, 24-29.	5.8	33
32	Sampling intraspecific variability in leaf functional traits: Practical suggestions to maximize collected information. Ecology and Evolution, 2017, 7, 11236-11245.	1.9	25
33	Leaf hydraulic vulnerability protects stem functionality under drought stress in Salvia officinalis. Functional Plant Biology, 2016, 43, 370.	2.1	29
34	Green roof irrigation management based on substrate water potential assures water saving without affecting plant physiological performance. Ecohydrology, 0, , .	2.4	1