Imre CseresnyÃ©s

List of Publications by Year
in descending order

20	274	1040056 9	940533 16
papers	citations	h-index	g-index

21	21	21	283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selection of plant physiological parameters to detect stress effects in pot experiments using principal component analysis. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	45
2	Electrical impedance and capacitance method: A new approach for detection of functional aspects of arbuscular mycorrhizal colonization in maize. European Journal of Soil Biology, 2013, 54, 25-31.	3.2	41
3	Application of Electrical Capacitance Method for Prediction of Plant Root Mass and Activity in Field-Grown Crops. Frontiers in Plant Science, 2018, 9, 93.	3.6	27
4	Symbiotic Effectivity of Dual and Tripartite Associations on Soybean (Glycine max L. Merr.) Cultivars Inoculated With Bradyrhizobium japonicum and AM Fungi. Frontiers in Plant Science, 2018, 9, 1631.	3.6	26
5	Indirect monitoring of root activity in soybean cultivars under contrasting moisture regimes by measuring electrical capacitance. Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	24
6	Electrical impedance phase angle as an indicator of plant root stress. Biosystems Engineering, 2018, 169, 226-232.	4.3	18
7	Stand age influence on litter mass of Pinus nigra plantations on dolomite hills in Hungary. Canadian Journal of Botany, 2006, 84, 363-370.	1.1	17
8	Simultaneous monitoring of electrical capacitance and water uptake activity of plant root system. International Agrophysics, 2014, 28, 537-541.	1.7	12
9	Soil seed bank of the invasive Robinia pseudoacacia in planted Pinus nigra stands. Acta Botanica Croatica, 2012, 71, 249-260.	0.7	11
10	An improved formula for evaluating electrical capacitance using the dissipation factor. Plant and Soil, 2017, 419, 237-256.	3.7	8
11	Electrical characterization of the root system: a noninvasive approach to study plant stress responses. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	8
12	Root capacitance measurements allow non-intrusive in-situ monitoring of the seasonal dynamics and drought response of root activity in two grassland species. Plant and Soil, 2020, 449, 423-437.	3.7	7
13	Does electrical capacitance represent roots in the soil?. Acta Physiologiae Plantarum, 2020, 42, 1.	2.1	7
14	Influence of substrate type and properties on root electrical capacitance. International Agrophysics, 2020, 1, 95-101.	1.7	6
15	Fire risk in Austrian pine (Pinus nigra) plantations under various temperature and wind conditions. Acta Botanica Croatica, 2011, 70, 157-166.	0.7	5
16	Prediction of wheat grain yield by measuring root electrical capacitance at anthesis. International Agrophysics, 2021, 35, 159-165.	1.7	4
17	Electrical Capacitance versus Minirhizotron Technique: A Study of Root Dynamics in Wheatâ€“Pea Intercrops. Plants, 2021, 10, 1991.	3.5	4
18	Application of electrical capacitance measurement for in situ monitoring of competitive interactions between maize and weed plants. Spanish Journal of Agricultural Research, 2016, 14, e0904.	0.6	3

#	Article	IF	Citations
19	SzÃ¡razsÃ¡gstressz Ã©s mikorrhiza gombÃ¡k bÃºza gyÃ¶kÃ©rnÃ¶vekedÃ©sÃ©re gyakorolt hatÃ¡sÃ¡nak monitorozÃ¡sa elektromos kapacitÃ¡s mÃ©rÃ©sÃ©vel. Agrokemia Es Talajtan, 2018, 67, 213-225.	0.2	1
20	Root electrical capacitance as an indicator of wheat growth and yield in a free-air carbon dioxide enrichment (FACE) experiment. Plant and Soil, 2022, 474, 321-335.	3.7	0