

Luca Sebastiani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

3,503
citations

31
h-index

55
g-index

141
ext. papers

3,949
ext. citations

3.4
avg, IF

5.39
L-index

#	Paper	IF	Citations
123	Phenolics and Mineral Elements Composition in Underutilized Apple Varieties. <i>Horticulturae</i> , 2022 , 8, 40	2.5	2
122	Cations and Phenolic Compounds Concentrations in Fruits of Fig Plants Exposed to Moderate Levels of Salinity.. <i>Antioxidants</i> , 2021 , 10,	7.1	2
121	Distinct Physiological Roles of Three Phospholipid:Diacylglycerol Acyltransferase Genes in Olive Fruit with Respect to Oil Accumulation and the Response to Abiotic Stress. <i>Frontiers in Plant Science</i> , 2021 , 12, 751959	6.2	2
120	Physiological mechanisms of adaptation of vegetative fig plants to salinity. <i>Acta Horticulturae</i> , 2021 , 55-60	0.3	
119	High vacuum-assisted extraction affects virgin olive oil quality: Impact on phenolic and volatile compounds. <i>Food Chemistry</i> , 2021 , 342, 128369	8.5	8
118	Removal of multi-contaminants from water by association of poplar and Brassica plants in a short-term growth chamber experiment. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 16323-16333	5.1	2
117	Inoculated Seed Endophytes Modify the Poplar Responses to Trace Elements in Polluted Soil. <i>Agronomy</i> , 2021 , 11, 1987	3.6	0
116	Near UV-Vis and NMR Spectroscopic Methods for Rapid Screening of Antioxidant Molecules in Extra-Virgin Olive Oil. <i>Antioxidants</i> , 2020 , 9,	7.1	5
115	The Role of Aquaporin Overexpression in the Modulation of Transcription of Heavy Metal Transporters under Cadmium Treatment in Poplar. <i>Plants</i> , 2020 , 10,	4.5	3
114	Daily osmotic adjustments in stem may be good predictors of water stress intensity in poplar. <i>Plant Physiology and Biochemistry</i> , 2020 , 146, 13-22	5.4	6
113	Populus alba tolerates and efficiently removes caffeine and zinc excesses using an organ allocation strategy. <i>Plant Growth Regulation</i> , 2020 , 92, 597-606	3.2	1
112	Osmotic adjustments support growth of poplar cultured cells under high concentrations of carbohydrates. <i>Plant Cell Reports</i> , 2020 , 39, 971-982	5.1	1
111	Effect of saline irrigation on physiological traits, fatty acid composition and desaturase genes expression in olive fruit mesocarp. <i>Plant Physiology and Biochemistry</i> , 2019 , 141, 423-430	5.4	7
110	Effects of Extra Virgin Olive Oil and Apples Enriched-Dark Chocolate on Endothelial Progenitor Cells in Patients with Cardiovascular Risk Factors: A Randomized Cross-Over Trial. <i>Antioxidants</i> , 2019 , 8,	7.1	2
109	Zinc Excess Induces a Hypoxia-Like Response by Inhibiting Cysteine Oxidases in Poplar Roots. <i>Plant Physiology</i> , 2019 , 180, 1614-1628	6.6	10
108	Populus alba dioctyl phthalate uptake from contaminated water. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 25564-25572	5.1	3
107	AQUA1 is a mercury sensitive poplar aquaporin regulated at transcriptional and post-translational levels by Zn stress. <i>Plant Physiology and Biochemistry</i> , 2019 , 135, 588-600	5.4	18

106	Surfactant and heavy metal interaction in poplar: a focus on SDS and Zn uptake. <i>Tree Physiology</i> , 2018 , 38, 109-118	4.2	11
105	Poplar and diclofenac pollution: A focus on physiology, oxidative stress and uptake in plant organs. <i>Science of the Total Environment</i> , 2018 , 636, 944-952	10.2	30
104	Sensory profiling and consumer acceptability of new dark cocoa bars containing Tuscan autochthonous food products. <i>Food Science and Nutrition</i> , 2018 , 6, 245-252	3.2	6
103	Does salinity modify anatomy and biochemistry of <i>Olea europaea</i> L. fruit during ripening?. <i>Scientia Horticulturae</i> , 2018 , 228, 33-40	4.1	2
102	Zn-localization and anatomical changes in leaf tissues of green beans (<i>Phaseolus vulgaris</i> L.) following foliar application of Zn-lignosulfonate and ZnEDTA. <i>Scientia Horticulturae</i> , 2018 , 231, 15-21	4.1	7
101	Abiotic stresses in olive: physiological and molecular mechanisms. <i>Acta Horticulturae</i> , 2018 , 47-56	0.3	1
100	Removal of micro-pollutants from urban wastewater by constructed wetlands with <i>Phragmites australis</i> and <i>Salix matsudana</i> . <i>Environmental Science and Pollution Research</i> , 2018 , 25, 36474-36484	5.1	17
99	Compositional differences between veiled and filtered virgin olive oils during a simulated shelf life. <i>LWT - Food Science and Technology</i> , 2018 , 94, 87-95	5.4	15
98	Can sugar metabolism in the cambial region explain the water deficit tolerance in poplar?. <i>Journal of Experimental Botany</i> , 2018 , 69, 4083-4097	7	12
97	ESI and APCI LC-MS/MS in Model Investigations on the Absorption and Transformation of Organic Xenobiotics by Poplar Plants (<i>Populus alba</i> L.). <i>Comprehensive Analytical Chemistry</i> , 2018 , 79, 241-266	1.9	1
96	High Zn concentration does not impair biomass, cutting radial growth, and photosynthetic activity traits in <i>Populus alba</i> L.. <i>Journal of Soils and Sediments</i> , 2017 , 17, 1394-1402	3.4	5
95	Recent developments in olive (<i>Olea europaea</i> L.) genetics and genomics: applications in taxonomy, varietal identification, traceability and breeding. <i>Plant Cell Reports</i> , 2017 , 36, 1345-1360	5.1	27
94	H NMR and PCA-based analysis revealed variety dependent changes in phenolic contents of apple fruit after drying. <i>Food Chemistry</i> , 2017 , 221, 1206-1213	8.5	23
93	Comparative epigenomic and transcriptomic analysis of <i>Populus</i> roots under excess Zn. <i>Environmental and Experimental Botany</i> , 2016 , 132, 16-27	5.9	5
92	Morpho-physiological response of <i>Populus alba</i> to erythromycin: A timeline of the health status of the plant. <i>Science of the Total Environment</i> , 2016 , 569-570, 540-547	10.2	15
91	Expression of specific genes involved in Cd uptake, translocation, vacuolar compartmentalisation and recycling in <i>Populus alba</i> Villafranca clone. <i>Journal of Plant Physiology</i> , 2016 , 202, 83-91	3.6	14
90	Degradation of exogenous caffeine by <i>Populus alba</i> and its effects on endogenous caffeine metabolism. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 7298-307	5.1	16
89	Over-expression of AQUA1 in <i>Populus alba</i> Villafranca clone increases relative growth rate and water use efficiency, under Zn excess condition. <i>Plant Cell Reports</i> , 2016 , 35, 289-301	5.1	16

88	Antioxidant properties, sensory characteristics and volatile compounds profile of apple juices from ancient Tuscany (Italy) apple varieties. <i>European Journal of Horticultural Science</i> , 2016 , 81, 255-263	1	14
87	Olive Biology. <i>Compendium of Plant Genomes</i> , 2016 , 13-25	0.8	9
86	Physiological Responses to Abiotic Stresses. <i>Compendium of Plant Genomes</i> , 2016 , 99-122	0.8	5
85	Metabolomics of Olive Fruit: A Focus on the Secondary Metabolites. <i>Compendium of Plant Genomes</i> , 2016 , 123-139	0.8	6
84	Leaves position in Populus alba Villafranca clone reveals a strategy towards cadmium uptake response. <i>Plant Growth Regulation</i> , 2016 , 79, 355-366	3.2	4
83	Salt stress induces differential regulation of the phenylpropanoid pathway in Olea europaea cultivars Frantoio (salt-tolerant) and Leccino (salt-sensitive). <i>Journal of Plant Physiology</i> , 2016 , 204, 8-15	3.6	41
82	Effects of combined ozone and cadmium stresses on leaf traits in two poplar clones. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2064-75	5.1	12
81	Anatomical, biochemical and morphological responses of poplar Populus deltoides clone Lux to Zn excess. <i>Environmental and Experimental Botany</i> , 2015 , 109, 235-243	5.9	28
80	Cryo-scanning electron microscopy investigation of the Octopus Vulgaris arm structures for the design of an octopus-like arm artefact. <i>Microscopy Research and Technique</i> , 2015 , 78, 1133-45	2.8	2
79	Salt stress modifies apoplastic barriers in olive (Olea europaea L.): a comparison between a salt-tolerant and a salt-sensitive cultivar. <i>Scientia Horticulturae</i> , 2015 , 192, 38-46	4.1	23
78	RNA sequencing of Populus x canadensis roots identifies key molecular mechanisms underlying physiological adaption to excess zinc. <i>PLoS ONE</i> , 2015 , 10, e0117571	3.7	16
77	Phenolic profile and antioxidant activity in apple juice and pomace: effects of different storage conditions. <i>Fruits</i> , 2015 , 70, 213-223	0.3	21
76	Apple juices from ancient Italian cultivars: a study on mature endothelial cells model. <i>Fruits</i> , 2015 , 70, 361-369	0.3	10
75	Phytoremediation of Zn: Identify the Diverging Resistance, Uptake and Biomass Production Behaviours of Poplar Clones Under High Zinc Stress. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	28
74	Early responses to cadmium of two poplar clones that differ in stress tolerance. <i>Journal of Plant Physiology</i> , 2014 , 171, 1693-705	3.6	37
73	Proteomic analysis of Populus leucamericana (clone I-214) roots to identify key factors involved in zinc stress response. <i>Journal of Plant Physiology</i> , 2014 , 171, 1054-63	3.6	17
72	Regulation of photosynthesis and stomatal and mesophyll conductance under water stress and recovery in olive trees: correlation with gene expression of carbonic anhydrase and aquaporins. <i>Journal of Experimental Botany</i> , 2014 , 65, 3143-56	7	133
71	Heavy Metals Stress on Poplar: Molecular and Anatomical Modifications 2014 , 267-279		5

70	DIFFERENT IRRIGATION REGIMES INDUCE CHANGES IN VESSEL SIZE IN OLIVE TREES (OLEA EUROPAEA L.) FROM SOUTHERN ITALY. <i>Acta Horticulturae</i> , 2014 , 455-461	0.3	2
69	Tree-ring wood anatomy and stable isotopes show structural and functional adjustments in olive trees under different water availability. <i>Plant and Soil</i> , 2013 , 372, 567-579	4.2	30
68	Flash thermal conditioning of olive pastes during the olive oil mechanical extraction process: impact on the structural modifications of pastes and oil quality. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 4953-60	5.7	58
67	Differential ozone sensitivity interferes with cadmium stress in poplar clones. <i>Biologia Plantarum</i> , 2013 , 57, 313-324	2.1	22
66	Hormonal signals involved in the regulation of cambial activity, xylogenesis and vessel patterning in trees. <i>Plant Cell Reports</i> , 2013 , 32, 885-98	5.1	69
65	Phenolic Compounds in Apple (<i>Malus x domestica</i> Borkh.): Compounds Characterization and Stability during Postharvest and after Processing. <i>Antioxidants</i> , 2013 , 2, 181-93	7.1	112
64	Similar foliar lesions but opposite hormonal patterns in a tomato mutant impaired in ethylene perception and its near isogenic wild type challenged with ozone. <i>Environmental and Experimental Botany</i> , 2012 , 75, 286-297	5.9	18
63	Anatomical differences of poplar (<i>Populus Euramericana</i> clone I-214) roots exposed to zinc excess. <i>Biologia (Poland)</i> , 2012 , 67, 483-489	1.5	25
62	SAP FLOW MEASUREMENTS FOR THE EVALUATION OF POPLAR CLONE PERFORMANCE IN REMEDIATION OF SOIL POLLUTED WITH OLIVE MILL WASTEWATER. <i>Acta Horticulturae</i> , 2012 , 175-181	0.3	
61	Temperature and storage effects on antioxidant activity of juice from red and white grapes. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 13-23	3.8	10
60	PHYSIOLOGICAL AND PRODUCTIVE PARAMETERS OF OLIVE TREES (OLEA EUROPAEA L.) UNDER DIFFERENT IRRIGATION SCHEDULING IN CENTRAL-SOUTH ITALY. <i>Acta Horticulturae</i> , 2012 , 115-121	0.3	2
59	MOLECULAR AND METABOLIC ANALYSES IN DEVELOPING OLIVE FRUIT IN RELATION TO DIFFERENT WATER REGIMES. <i>Acta Horticulturae</i> , 2011 , 163-168	0.3	5
58	PHYSIOLOGICAL RESPONSE OF OLIVE (OLEA EUROPAEA L.) TO WATER DEFICIT: AN OVERVIEW. <i>Acta Horticulturae</i> , 2011 , 137-147	0.3	4
57	PHYSIOLOGICAL AND GENETIC RESPONSE OF OLIVE LEAVES TO WATER STRESS AND RECOVERY: IMPLICATIONS OF MESOPHYLL CONDUCTANCE AND GENETIC EXPRESSION OF AQUAPORINS AND CARBONIC ANHYDRASE. <i>Acta Horticulturae</i> , 2011 , 99-105	0.3	5
56	Molecular studies in olive (<i>Olea europaea</i> L.): overview on DNA markers applications and recent advances in genome analysis. <i>Plant Cell Reports</i> , 2011 , 30, 449-62	5.1	77
55	Transcriptome analyses of <i>Populus x euramericana</i> clone I-214 leaves exposed to excess zinc. <i>Tree Physiology</i> , 2011 , 31, 1293-308	4.2	51
54	INFLUENCE OF THE WATER TREATMENT ON THE XYLEM ANATOMY AND FUNCTIONALITY OF CURRENT YEAR SHOOTS OF OLIVE TREES. <i>Acta Horticulturae</i> , 2011 , 203-208	0.3	4
53	Olive Genomics 2010 , 17-24		4

52	SEASONAL CHANGES IN LEAF NITROGEN OF OLIVE TREES GROWN UNDER DIFFERENT IRRIGATION REGIMES AND CROP LEVEL. <i>Journal of Plant Nutrition</i> , 2010 , 33, 1849-1859	2-3	5
51	COPPER EFFECTS ON PRUNUS PERSICA IN TWO DIFFERENT GRAFTING COMBINATIONS (P. PERSICA [P. AMYGDALUS AND P. CERASIFERA). <i>Journal of Plant Nutrition</i> , 2010 , 33, 1338-1352	2-3	12
50	Leaf structural modifications in Populus [Euramericana subjected to Zn excess. <i>Biologia Plantarum</i> , 2010 , 54, 502-508	2-1	17
49	Antiradical potential of ancient Italian apple varieties of Malus [domestica Borkh. in a peroxy-nitrite-induced oxidative process. <i>Journal of Food Composition and Analysis</i> , 2010 , 23, 518-524	4-1	43
48	Computational annotation of genes differentially expressed along olive fruit development. <i>BMC Plant Biology</i> , 2009 , 9, 128	5-3	65
47	Responses of the Populus [Euramericana clone I-214 to excess zinc: Carbon assimilation, structural modifications, metal distribution and cellular localization. <i>Environmental and Experimental Botany</i> , 2009 , 67, 153-163	5-9	78
46	Physiological and productive responses of Olea europaea L. cultivars Frantoio and Leccino to a regulated deficit irrigation regime. <i>Plant Biosystems</i> , 2009 , 143, 222-231	1-6	33
45	SSR markers reveal the uniqueness of olive cultivars from the Italian region of Liguria. <i>Scientia Horticulturae</i> , 2009 , 122, 209-215	4-1	48
44	Development of an efficient regeneration protocol for pear rootstock Pyrodwarf and assessment of SSR variability in regenerating shoots. <i>Caryologia</i> , 2009 , 62, 62-68		4
43	Changes in the structure of the skin of kiwifruit in relation to water loss. <i>Journal of Horticultural Science and Biotechnology</i> , 2009 , 84, 41-46	1-9	15
42	Responses of two poplar species (Populus alba and Populus x canadensis) to high copper concentrations. <i>Environmental and Experimental Botany</i> , 2008 , 62, 290-299	5-9	47
41	Compositional and tissue modifications induced by the natural fermentation process in table olives. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 6389-96	5-7	23
40	Deficit irrigation and fertigation practices in olive growing: Convergences and divergences in two case studies. <i>Plant Biosystems</i> , 2008 , 142, 138-148	1-6	22
39	Ancient Pomoideae (Malus domestica Borkh. and Pyrus communis L.) cultivars in [Appenino Toscano [Tuscany, Italy): molecular (SSR) and morphological characterization. <i>Caryologia</i> , 2008 , 61, 320-331		12
38	Potential and limitations of improving olive orchard design and management through modelling. <i>Plant Biosystems</i> , 2008 , 142, 130-137	1-6	30
37	Could the differences in O(3) sensitivity between two poplar clones be related to a difference in antioxidant defense and secondary metabolic response to O(3) influx?. <i>Tree Physiology</i> , 2008 , 28, 1761-72	4-2	68
36	In vitro olive (Olea europaea L.) cvs Frantoio and Moraiolo microshoot tolerance to NaCl. <i>Plant Biosystems</i> , 2008 , 142, 563-571	1-6	14
35	THE EFFECT OF IRRIGATION MANAGEMENT ON PLANT PERFORMANCE AND OIL QUALITY OF TWO OLIVE CVS. GROWN IN A TYPICAL ENVIRONMENT OF SOUTHERN ITALY. <i>Acta Horticulturae</i> , 2008 , 297-305	6-3	6

34	Variation in mesophyll anatomy and photosynthetic capacity during leaf development in a deciduous mesophyte fruit tree (<i>Prunus persica</i>) and an evergreen sclerophyllous Mediterranean shrub (<i>Olea europaea</i>). <i>Trees - Structure and Function</i> , 2008 , 22, 559-571	2.6	82
33	Catechin, epicatechin, quercetin, rutin and resveratrol in red grape: Content, in vitro antioxidant activity and interactions. <i>Journal of Food Composition and Analysis</i> , 2008 , 21, 589-598	4.1	321
32	Responses of <i>Populus euramericana</i> (<i>P. deltoides</i> [<i>P. nigra</i>] clone Adda to increasing copper concentrations. <i>Environmental and Experimental Botany</i> , 2007 , 61, 66-73	5.9	46
31	Using phytoremediation technologies to upgrade waste water treatment in Europe. <i>Environmental Science and Pollution Research</i> , 2007 , 14, 490-7	5.1	107
30	Effects of tannery waste on growth dynamics and metal uptake in <i>Salix alba</i> L. <i>Plant Biosystems</i> , 2007 , 141, 22-30	1.6	5
29	Changes in assimilation capacity during leaf development in broad-leaved <i>Prunus persica</i> and sclerophyllous <i>Olea europaea</i> . <i>Journal of Horticultural Science and Biotechnology</i> , 2007 , 82, 69-78	1.9	14
28	Metal accumulation in poplar plant grown with industrial wastes. <i>Chemosphere</i> , 2006 , 64, 446-54	8.4	62
27	Cadmium effects on growth and antioxidant enzymes activities in <i>Miscanthus sinensis</i> . <i>Biologia Plantarum</i> , 2006 , 50, 688-692	2.1	58
26	Development of SCAR Markers for Germplasm Characterisation in Olive Tree (<i>Olea europea</i> L.). <i>Molecular Breeding</i> , 2006 , 17, 59-68	3.4	24
25	Copper toxicity in <i>Prunus cerasifera</i> : growth and antioxidant enzymes responses of in vitro grown plants. <i>Plant Science</i> , 2005 , 168, 797-802	5.3	150
24	Does glutathione metabolism have a role in the defence of poplar against zinc excess?. <i>New Phytologist</i> , 2005 , 167, 73-80	9.8	81
23	Differences in the kinetics and scale of signalling molecule production modulate the ozone sensitivity of hybrid poplar clones: the roles of H ₂ O ₂ , ethylene and salicylic acid. <i>New Phytologist</i> , 2005 , 168, 351-64	9.8	49
22	Changes in Sink-source Relationships during Shoot Development in Olive. <i>Journal of the American Society for Horticultural Science</i> , 2005 , 130, 631-637	2.3	12
21	Sink-source Transition in Peach Leaves during Shoot Development. <i>Journal of the American Society for Horticultural Science</i> , 2005 , 130, 928-935	2.3	21
20	Gas exchange and foliage characteristics of two poplar clones grown in soil amended with industrial waste. <i>Tree Physiology</i> , 2004 , 24, 75-82	4.2	44
19	Heavy metal accumulation and growth responses in poplar clones Eridano (<i>Populus deltoides</i> [<i>P. maximowiczii</i>]) and I-214 (<i>P. euramericana</i>) exposed to industrial waste. <i>Environmental and Experimental Botany</i> , 2004 , 52, 79-88	5.9	142
18	Growing season and hydrogen peroxide effects on root induction and development in <i>Olea europaea</i> L. (cvs Brantio and Gentile di Larino) cuttings. <i>Scientia Horticulturae</i> , 2004 , 100, 75-82	4.1	28
17	H ₂ O ₂ Accumulation in Sunflower Leaves as a Consequence of Iron Deprivation. <i>Journal of Plant Nutrition</i> , 2003 , 26, 2187-2196	2.3	15

16	Responses of <i>Populus deltoides</i> and <i>Populus nigra</i> (<i>Populus euramericana</i>) clone I-214 to high zinc concentrations. <i>New Phytologist</i> , 2003 , 159, 443-452	9.8	116
15	Physiological, Biochemical, and Molecular Effects of In Vitro Induced Iron Deficiency in Peach Rootstock Mr.S 2/5. <i>Journal of Plant Nutrition</i> , 2003 , 26, 2149-2163	2.3	19
14	FOLIAR RESPONSES OF OLIVE TREES (<i>OLEA EUROPAEA</i> L.) UNDER FIELD EXPOSURE TO ELEVATED CO ₂ CONCENTRATION. <i>Acta Horticulturae</i> , 2002 , 449-452	0.3	2
13	PHYSIOLOGICAL AND BIOCHEMICAL REMARKS ON ENVIRONMENTAL STRESS IN OLIVE (<i>OLEA EUROPAEA</i> L.). <i>Acta Horticulturae</i> , 2002 , 435-440	0.3	6
12	Genotypic differences in the response to elevated CO ₂ concentration of one-year-old olive cuttings (<i>Olea europaea</i> L. cv. Frantoio and Moraiolo). <i>Plant Biosystems</i> , 2002 , 136, 199-207	1.6	2
11	PHYSIOLOGICAL AND BIOCHEMICAL REACTIONS OF OLIVE GENOTYPES DURING SITE-RELEVANT OZONE EXPOSURE. <i>Acta Horticulturae</i> , 2002 , 445-448	0.3	2
10	WATER RELATIONS, CALCIUM AND POTASSIUM CONCENTRATION IN FRUITS AND LEAVES DURING ANNUAL GROWTH IN MATURE KIWIFRUIT PLANTS. <i>Acta Horticulturae</i> , 2001 , 129-134	0.3	16
9	Responses of Two Olive Tree (<i>Olea Europaea</i> L.) Cultivars to Elevated CO ₂ Concentration in the Field. <i>Photosynthetica</i> , 2001 , 39, 403-410	2.2	31
8	Activities of Antioxidant Enzymes during Senescence of <i>Prunus Armeniaca</i> Leaves. <i>Biologia Plantarum</i> , 2001 , 44, 41-46	2.1	62
7	STRUCTURAL AND MICROANALYTICAL STUDIES ON FROZEN-HYDRATED TISSUES FROM DIFFERENT KIWIFRUIT ORGANS. <i>Acta Horticulturae</i> , 1999 , 185-202	0.3	2
6	Physiological and morphological responses of olive plants to ozone exposure during a growing season. <i>Tree Physiology</i> , 1999 , 19, 391-397	4.2	24
5	Cytoplasmic free Ca ²⁺ dynamics in single tomato (<i>Lycopersicon esculentum</i>) protoplasts subjected to chilling temperatures. <i>Physiologia Plantarum</i> , 1999 , 105, 239-244	4.6	18
4	Protective Enzymes Against Activated Oxygen Species in Wheat (<i>Triticum aestivum</i> L.) Seedlings: Responses to Cold Acclimation. <i>Journal of Plant Physiology</i> , 1999 , 155, 762-768	3.6	77
3	Changes in activity of antioxidative enzymes in wheat (<i>Triticum aestivum</i>) seedlings under cold acclimation. <i>Physiologia Plantarum</i> , 1998 , 104, 747-752	4.6	54
2	Genetic analysis of an electrophoretic variant for the chloroplast-associated form of Cu/Zn superoxide dismutase in sunflower (<i>Helianthus annuus</i> L.). <i>Journal of Experimental Botany</i> , 1997 , 48, 1143-1146 ⁶	7.1	6
1	Somaclonal variation for resistance to <i>Verticillium dahliae</i> in potato (<i>Solanum tuberosum</i> L.) plants regenerated from callus. <i>Euphytica</i> , 1994 , 80, 5-11	2.1	21