

[34] Chlorophylls and carotenoids: Pigments of photosy

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nature And Variation Of Blue Fluorescence Spectraof Terrestrial Plants. , 0, , .		3
2	Application of chlorophyll fluorescence in ecophysiology. Radiation and Environmental Biophysics, 1986, 25, 297-308.	1.4	245
3	A Simple Model for Leaf Optical Properties in Visible and Near-Infrared: Application to the Analysis of Spectral Shifts Determinism. , 1988, , 345-351.		12
4	Detection Of Stress Of Coniferous Forest Trees With The Viraf Spectrometer. , 0, , .		6
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6	High-performance liquid chromatography of chlorophylls and carotenoids from vegetables. Journal of Chromatography A, 1989, 472, 296-302.	3.7	28
7	Selective inhibition of photosystem II in spinach by tobacco mosaic virus: An effect of the viral coat protein. FEBS Letters, 1989, 245, 267-270.	2.8	85
8	Determination of accurate extinction coefficients and simultaneous equations for assaying chlorophylls a and b extracted with four different solvents: verification of the concentration of chlorophyll standards by atomic absorption spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 1989, 975, 384-394.	1.0	4,780
9	Effect of gallium on photosynthetic pigments and peroxidase activity of<i>Chlorella pyrenoidosa</i>. Journal of Plant Nutrition, 1989, 12, 1123-1140.	1.9	4
10	Carotenoid Profiles in Pigment-Protein Complexes of Rhodospirillum rubrum. Plant and Cell Physiology, 1989, 30, 497-504.	3.1	26
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21	Chlorophylls in foods. Critical Reviews in Food Science and Nutrition, 1990, 29, 1-17.	10.3	122
22	Response of the Photosynthetic Apparatus in <i>Dunaliella salina</i> (Green Algae) to Irradiance Stress. Plant Physiology, 1990, 93, 1433-1440.	4.8	162
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25	Comparison of the D1/D2/cytochrome b559 reaction centre complex of photosystem two isolated by two different methods. FEBS Letters, 1990, 265, 88-92.	2.8	126
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40	Uniconazole-induced thermotolerance in wheat seedlings is mediated by transpirational cooling. <i>Physiologia Plantarum</i> , 1991, 81, 335-342.	5.2	5
41	ENERGY DISSIPATION AND PHOTOPROTECTION MECHANISMS DURING CHLOROPHYLL PHOTBLEACHING IN THYLAKOID MEMBRANES. <i>Photochemistry and Photobiology</i> , 1991, 54, 465-472.	2.5	29
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1137	Effects of copper and cadmium on heavy metal polluted waterbody restoration by duckweed (Lemna) Tj ETQq1 1 0,784314 rgBTj/Overlock 10 Tf 50 6	5.8	282

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1150	A comparative proteomic analysis of tomato leaves in response to waterlogging stress. <i>Physiologia Plantarum</i> , 2007, 131, 555-570.	5.2	116
1151	Biochemical aspects in two minimally processed lettuces upon storage. <i>International Journal of Food Science and Technology</i> , 2007, 42, 214-219.	2.7	23
1152	Nitrogen deficiency in Arabidopsis affects galactolipid composition and gene expression and results in accumulation of fatty acid phytyl esters. <i>Plant Journal</i> , 2007, 49, 729-739.	5.7	194
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1155	Knock-out of the chloroplast-encoded PSI-J subunit of photosystem-I in <i>Nicotiana tabacum</i> . <i>FEBS Journal</i> , 2007, 274, 1734-1746.	4.7	17

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1195	Inhibition of lycopene cyclase results in accumulation of chlorophyll precursors. <i>Planta</i> , 2007, 225, 1019-1029.	3.2	30
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1660	Populational density and harvest age of carrots for baby carrot manufacture. <i>Horticultura Brasileira</i> , 2010, 28, 147-154.	0.5	6
1661	Response of Antioxidative Enzymes to Cadmium Stress in Leaves and Roots of Radish (<i>Raphanus sativus</i>) Tj ETQq1 1 0.784314 rgBT /Ov	0.4	63
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1674	The Arabidopsis Floral Homeotic Proteins APETALA3 and PISTILLATA Negatively Regulate the BANQUO Genes Implicated in Light Signaling. <i>Plant Cell</i> , 2010, 22, 690-702.	6.6	73
1675	Arabidopsis S-Sulfocysteine Synthase Activity Is Essential for Chloroplast Function and Long-Day Light-Dependent Redox Control. <i>Plant Cell</i> , 2010, 22, 403-416.	6.6	79
1676	An atypical member of the light-harvesting complex stress-related protein family modulates diatom responses to light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18214-18219.	7.1	258
1677	Changes in antioxidant enzyme activities and isozyme profiles in leaves of male and female <i>Populus cathayana</i> infected with <i>Melampsora larici-populina</i> . <i>Tree Physiology</i> , 2010, 30, 116-128.	3.1	76
1678	Two Closely Related Genes of Arabidopsis Encode Plastidial Cytidinediphosphate Diacylglycerol Synthases Essential for Photoautotrophic Growth. <i>Plant Physiology</i> , 2010, 153, 1372-1384.	4.8	47
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1810	Regulation of photosynthesis, fluorescence, stomatal conductance and water-use efficiency of cowpea (<i>Vigna unguiculata</i> [L.] Walp.) under drought. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 105, 40-50.	3.8	156
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1812	Effects of Riyadh cement industry pollutions on some physiological and morphological factors of <i>Datura innoxia</i> Mill. plant. <i>Saudi Journal of Biological Sciences</i> , 2011, 18, 227-237.	3.8	14
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1875	Chloroplastidic pigments, gas exchange, and carbohydrates changes during <i>Carapa guianensis</i> leaflet expansion. <i>Photosynthetica</i> , 2011, 49, 619-626.	1.7	3
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1924	Utilization of green seed canola oil for in situ epoxidation. <i>European Journal of Lipid Science and Technology</i> , 2011, 113, 768-774.	1.5	19
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1931	Prolonged sensitivity of immobilized thylakoid membranes in cross-linked matrix to atrazine. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 140-146.	7.8	5
1932	An <i>Arabidopsis</i> GluTR Binding Protein Mediates Spatial Separation of 5-Aminolevulinic Acid Synthesis in Chloroplasts. <i>Plant Cell</i> , 2011, 23, 4476-4491.	6.6	96
1933	Porphyrin Biosynthesis Control under Water Stress: Sustained Porphyrin Status Correlates with Drought Tolerance in Transgenic Rice. <i>Plant Physiology</i> , 2011, 157, 1746-1764.	4.8	92

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1935	Effect of exogenous nitric oxide on seed germination and physiological characteristics of <i>Brassica napus</i> . , 2011, , .		2
1936	GABA Accumulation Causes Cell Elongation Defects and a Decrease in Expression of Genes Encoding Secreted and Cell Wall-Related Proteins in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2011, 52, 894-908.	3.1	123
1937	Metabolic responses of <i>Azolla pinnata</i> to cadmium stress: photosynthesis, antioxidative system and phytoremediation. <i>Chemistry and Ecology</i> , 2011, 27, 543-555.	1.6	19
1938	Effects of Modified Phycobilin Biosynthesis in the Cyanobacterium <i>Synechococcus</i> sp. Strain PCC 7002. <i>Journal of Bacteriology</i> , 2011, 193, 1663-1671.	2.2	37
1939	Acetoacetyl-CoA thiolase regulates the mevalonate pathway during abiotic stress adaptation. <i>Journal of Experimental Botany</i> , 2011, 62, 5699-5711.	4.8	87
1940	The Arabidopsis RING Finger E3 Ligase RHA2b Acts Additively with RHA2a in Regulating Absciscic Acid Signaling and Drought Response Å Å Å. <i>Plant Physiology</i> , 2011, 156, 550-563.	4.8	122
1941	Oxidative stress induces distinct physiological responses in the two <i>Trebouxia</i> phycobionts of the lichen <i>Ramalina farinacea</i> . <i>Annals of Botany</i> , 2011, 107, 109-118.	2.9	54
1942	SUPPRESSOR OF VARIEGATION4, a New var2 Suppressor Locus, Encodes a Pioneer Protein that Is Required for Chloroplast Biogenesis. <i>Molecular Plant</i> , 2011, 4, 229-240.	8.3	43
1943	Physiology and biochemistry of leaf bleaching in prematurely aging maple (<i>Acer saccharinum</i> L.) trees. II. Functional and molecular adjustment of PSII. <i>Acta Botanica Croatica</i> , 2011, 70, 133-146.	0.7	4
1944	Coupling Virus-Induced Gene Silencing to Exogenous <i>Green Fluorescence Protein</i> Expression Provides a Highly Efficient System for Functional Genomics in <i>Arabidopsis</i> and across All Stages of Tomato Fruit Development Å Å. <i>Plant Physiology</i> , 2011, 156, 1278-1291.	4.8	44
1945	High temperature-induced oxidative stress in <i>Lens culinaris</i> , role of antioxidants and amelioration of stress by chemical pre-treatments. <i>Journal of Plant Interactions</i> , 2011, 6, 43-52.	2.1	94
1946	Spider-fed bromeliads: seasonal and interspecific variation in plant performance. <i>Annals of Botany</i> , 2011, 107, 1047-1055.	2.9	24
1947	N-Formylkynurenine as a Marker of High Light Stress in Photosynthesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 22632-22641.	3.4	62
1948	Homeostatic control of polyamine levels under long-term salt stress in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2011, 6, 237-242.	2.4	7
1949	Synthetic Antisense Oligodeoxynucleotides to Transiently Suppress Different Nucleus- and Chloroplast-Encoded Proteins of Higher Plant Chloroplasts Å. <i>Plant Physiology</i> , 2011, 157, 1628-1641.	4.8	40
1950	Plastid Uridine Salvage Activity Is Required for Photoassimilate Allocation and Partitioning in <i>Arabidopsis</i> Å Å. <i>Plant Cell</i> , 2011, 23, 2991-3006.	6.6	34
1951	Hydrogen sulphide enhances photosynthesis through promoting chloroplast biogenesis, photosynthetic enzyme expression, and thiol redox modification in <i>Spinacia oleracea</i> seedlings. <i>Journal of Experimental Botany</i> , 2011, 62, 4481-4493.	4.8	317

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1953	Root-Specific Reduction of Cytokinin Causes Enhanced Root Growth, Drought Tolerance, and Leaf Mineral Enrichment in <i>Arabidopsis</i> and Tobacco. <i>Plant Cell</i> , 2011, 22, 3905-3920.	6.6	417
1954	Enhancing Arabidopsis Leaf Growth by Engineering the BRASSINOSTEROID INSENSITIVE1 Receptor Kinase. <i>Plant Physiology</i> , 2011, 157, 120-131.	4.8	76
1955	Physiology and biochemistry of leaf bleaching in prematurely aging maple (<i>Acer saccharinum</i> L.) trees: I. Hydrogen peroxide level, antioxidative responses and photosynthetic pigments. <i>Acta Botanica Croatica</i> , 2011, 70, 121-132.	0.7	7
1956	Level of protoporphyrinogen oxidase activity tightly correlates with photodynamic and defense responses in oxyfluorfen-treated transgenic rice. <i>Journal of Pesticide Sciences</i> , 2011, 36, 16-21.	1.4	5
1957	Characterization of a New Green-Reversible Albino Mutant in Rice. <i>Crop Science</i> , 2011, 51, 2706-2715.	1.8	9
1958	Sex-related differences in morphological, physiological, and ultrastructural responses of <i>Populus cathayana</i> to chilling. <i>Journal of Experimental Botany</i> , 2011, 62, 675-686.	4.8	106
1959	The Cyanobacterial NAD Kinase Gene <i>slr1415</i> Is Required for Photoheterotrophic Growth and Cellular Redox Homeostasis in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2012, 194, 218-224.	2.2	28
1960	Effects of Simulated Acid Rain and Aluminum Enrichment on Growth and Photosynthesis of Tea Seedlings. <i>Advanced Materials Research</i> , 0, 610-613, 181-185.	0.3	4
1961	Degradation of chloroplast DNA during natural senescence of maple leaves. <i>Tree Physiology</i> , 2012, 32, 346-354.	3.1	14
1962	Hyperspectral Imaging Techniques for Rapid Identification of Arabidopsis Mutants with Altered Leaf Pigment Status. <i>Plant and Cell Physiology</i> , 2012, 53, 1154-1170.	3.1	38
1963	Phenotypic traits of <i>Phragmites australis</i> clones are not related to ploidy level and distribution range. <i>Australian Journal of Botany</i> , 2012, 60, 1-10.	2.3	24
1964	Evidence for a Contribution of ALA Synthesis to Plastid-To-Nucleus Signaling. <i>Frontiers in Plant Science</i> , 2012, 3, 236.	3.6	41
1965	Thiourea mediates alleviation of UV-B stress-induced damage in the Indian mustard (<i>Brassica juncea</i>). <i>Plant Physiology</i> , 2012, 158, 1114-1124.	2.1	11
1966	Anatomical, biochemical, and photosynthetic responses to recent allopolyploidy in <i>Glycine dolichocarpa</i> (Fabaceae). <i>American Journal of Botany</i> , 2012, 99, 55-67.	1.7	64
1967	Arabidopsis Zinc Finger Proteins AtC3H49/AtTZF3 and AtC3H20/AtTZF2 are Involved in ABA and JA Responses. <i>Plant and Cell Physiology</i> , 2012, 53, 673-686.	3.1	98
1968	Sex-related and stage-dependent source-to-sink transition in <i>Populus cathayana</i> grown at elevated CO ₂ and elevated temperature. <i>Tree Physiology</i> , 2012, 32, 1325-1338.	3.1	55
1969	Mutation of Arabidopsis HY1 causes UV-C hypersensitivity by impairing carotenoid and flavonoid biosynthesis and the down-regulation of antioxidant defence. <i>Journal of Experimental Botany</i> , 2012, 63, 3869-3883.	4.8	80

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1971	Misexpression of a Chloroplast Aspartyl Protease Leads to Severe Growth Defects and Alters Carbohydrate Metabolism in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 1237-1250.	4.8	34
1972	Physical and chemical characterization of the pulp of different varieties of avocado targeting oil extraction potential. <i>Food Science and Technology</i> , 2012, 32, 274-280.	1.7	26
1973	Discrimination of Seagrass Species and Cover Classes with <i>in situ</i> Hyperspectral Data. <i>Journal of Coastal Research</i> , 2012, 285, 1330-1344.	0.3	26
1975	Alteration of photosystem II activity by atrazine on <i>Chlamydomonas reinhardtii</i> synchronized and asynchronized cell cycle cultures. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 906-917.	1.2	5
1976	Altered Chloroplast Development and Delayed Fruit Ripening Caused by Mutations in a Zinc Metalloprotease at the <i>lutec2</i> Locus of Tomato. <i>Plant Physiology</i> , 2012, 159, 1086-1098.	4.8	68
1977	Functional Assessment of the <i>Medicago truncatula</i> NIP/LATD Protein Demonstrates That It Is a High-Affinity Nitrate Transporter. <i>Plant Physiology</i> , 2012, 160, 906-916.	4.8	75
1978	Impact of presowing laser irradiation of seeds on sugar beet properties. <i>International Agrophysics</i> , 2012, 26, 295-300.	1.7	19
1979	Effect of Integrated Management of Nitrogen Fertilizer and Cattle Manure on the Leaf Chlorophyll, Yield, and Tuber Glycoalkaloids of <i>Agria</i> Potato. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 912-923.	1.4	33
1980	Evaluation of Lead Toxicity in <i>Erica andevalensis</i> as an Alternative Species for Revegetation of Contaminated Soils. <i>International Journal of Phytoremediation</i> , 2012, 14, 174-185.	3.1	15
1981	INDUCTION OF OXIDATIVE STRESS AND ANTIOXIDANT ENZYMES BY EXCESS COBALT IN MUSTARD. <i>Journal of Plant Nutrition</i> , 2012, 35, 952-960.	1.9	9
1982	The efficiency of two new formulated biofungicides in the control of damping-off and root rot of cucumber and improving the plant defence system. <i>Archives of Phytopathology and Plant Protection</i> , 2012, 45, 1673-1691.	1.3	2
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1984	Comparative studies of thermotolerance: different modes of heat acclimation between tolerant and intolerant aquatic plants of the genus <i>Potamogeton</i> . <i>Annals of Botany</i> , 2012, 109, 443-452.	2.9	27
1985	Drought stress-induced oxidative stress and antioxidative responses in four wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182 T	2.6	41
1986	Transcriptional profiling analysis in <i>Populus yunnanensis</i> provides insights into molecular mechanisms of sexual differences in salinity tolerance. <i>Journal of Experimental Botany</i> , 2012, 63, 3709-3726.	4.8	43
1987	Fluctuation of oxidative stress indicators in <i>Salix nigra</i> seeds during priming. <i>Journal of Experimental Botany</i> , 2012, 63, 3631-3642.	4.8	17
1988	Phytochemical Profile and Nutraceutical Value of Old and Modern Common Wheat Cultivars. <i>PLoS ONE</i> , 2012, 7, e45997.	2.5	68

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1990	Influence of harvest date and storage conditions on the content of chlorophyll pigments in pear peels. <i>Folia Horticulturae</i> , 2012, 24, 91-95.	1.8	9
1991	Functional Characterization of the GATA Transcription Factors GNC and CGA1 Reveals Their Key Role in Chloroplast Development, Growth, and Division in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 332-348.	4.8	172
1992	Reflectance indices as nondestructive indicators of the physiological status of <i>Ceratonia siliqua</i> seedlings under varying moisture and temperature regimes. <i>Functional Plant Biology</i> , 2012, 39, 588.	2.1	17
1993	Spectral response to varying levels of leaf pigments collected from a degraded mangrove forest. <i>Journal of Applied Remote Sensing</i> , 2012, 6, 063501.	1.3	27
1994	Water stress drastically reduces root growth and inulin yield in <i>Cichorium intybus</i> (var. <i>sativum</i>) independently of photosynthesis. <i>Journal of Experimental Botany</i> , 2012, 63, 4359-4373.	4.8	80
1995	Overexpression of a putative <i>Arabidopsis</i> BAHD acyltransferase causes dwarfism that can be rescued by brassinosteroid. <i>Journal of Experimental Botany</i> , 2012, 63, 5787-5801.	4.8	36
1996	Thioredoxin Redox Regulates ATPase Activity of Magnesium Chelatase CHL1 Subunit and Modulates Redox-Mediated Signaling in Tetrapyrrole Biosynthesis and Homeostasis of Reactive Oxygen Species in Pea Plants. <i>Plant Physiology</i> , 2012, 159, 118-130.	4.8	84
1997	Transcriptional and Metabolic Analysis of Senescence Induced by Preventing Pollination in Maize. <i>Plant Physiology</i> , 2012, 159, 1730-1744.	4.8	90
1998	Physio-Biochemical Responses of Oil Palm (<i>Elaeis guineensis</i> Jacq.) Seedlings to Mannitol- and Polyethylene Glycol-Induced Iso-Osmotic Stresses. <i>Plant Production Science</i> , 2012, 15, 65-72.	2.0	13
1999	PREDICTION OF SPINACH QUALITY BASED ON PRE- AND POSTHARVEST CONDITIONS. <i>Acta Horticulturae</i> , 2012, , 1141-1148.	0.2	1
2000	The Amino-Terminal Domain of Chloroplast Hsp93 Is Important for Its Membrane Association and Functions in Vivo. <i>Plant Physiology</i> , 2012, 158, 1656-1665.	4.8	22
2001	Reflectance continuum removal spectral index tracking the xanthophyll cycle photoprotective reactions in Norway spruce needles. <i>Functional Plant Biology</i> , 2012, 39, 987.	2.1	39
2002	A Novel Protein RLS1 with NB-ARM Domains Is Involved in Chloroplast Degradation during Leaf Senescence in Rice. <i>Molecular Plant</i> , 2012, 5, 205-217.	8.3	68
2003	Sustainable Solutions for Agro Processing Waste Management: An Overview. , 2012, , 65-109.		24
2004	Effects of flooding on germination and establishment of the invasive cordgrass <i>Spartina densiflora</i> . <i>Weed Research</i> , 2012, 52, 269-276.	1.7	13
2005	Leaves of Field-Grown Mastic Trees Suffer Oxidative Stress at the Two Extremes of their Lifespan. <i>Journal of Integrative Plant Biology</i> , 2012, 54, 584-594.	8.5	17
2006	Growth and morphology in relation to temperature and light availability during the establishment of three invasive aquatic plant species. <i>Aquatic Botany</i> , 2012, 102, 56-64.	1.6	106

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2008	Responses of seedling growth and antioxidant activity to excess iron and copper in <i>Triticum aestivum</i> L.. Ecotoxicology and Environmental Safety, 2012, 86, 47-53.	6.0	58
2009	Photoacclimation of <i>Phaeodactylum tricornutum</i> (Bacillariophyceae) cultures grown outdoors in photobioreactors and open ponds. European Journal of Phycology, 2012, 47, 169-181.	2.0	26
2010	In <i>Posidonia oceanica</i> cadmium induces changes in DNA methylation and chromatin patterning. Journal of Experimental Botany, 2012, 63, 695-709.	4.8	469
2011	Effect of ethanol treatment on quality and antioxidant activity in postharvest broccoli florets. European Food Research and Technology, 2012, 235, 793-800.	3.3	36
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2013	Arabidopsis BPG2: a phytochrome-regulated gene whose protein product binds to plastid ribosomal RNAs. Planta, 2012, 236, 677-690.	3.2	22
2014	Flavodoxin displays dose-dependent effects on photosynthesis and stress tolerance when expressed in transgenic tobacco plants. Planta, 2012, 236, 1447-1458.	3.2	55
2015	Physiological responses and endogenous cytokinin profiles of tissue-cultured 'Williams' bananas in relation to roscovitine and an inhibitor of cytokinin oxidase/dehydrogenase (INCYDE) treatments. Planta, 2012, 236, 1775-1790.	3.2	19
2016	Carob trees (<i>Ceratonia siliqua</i> L.) regenerated in vitro can acclimatize successfully to match the field performance of seed-derived plants. Trees - Structure and Function, 2012, 26, 1837-1846.	1.9	14
2017	Physiological response of irrigated and non-irrigated Norway spruce trees as a consequence of drought in field conditions. European Journal of Forest Research, 2012, 131, 1737-1746.	2.5	24
2018	Changes of growth, photosynthesis and alteration of leaf antioxidative defence system of tea [<i>Camellia sinensis</i> (L.) O. Kuntze] seedlings under aluminum stress. BioMetals, 2012, 25, 1141-1154.	4.1	86
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2021	Sulfadiazine Uptake and Effects on <i>Salix fragilis</i> L. and <i>Zea mays</i> L. Plants. Water, Air, and Soil Pollution, 2012, 223, 5243-5257.	2.4	110
2022	Laboratory assessment of uptake and toxicity of lanthanum (La) in the leaves of <i>Hydrocharis dubia</i> (Bl.) Backer. Environmental Science and Pollution Research, 2012, 19, 3950-3958.	5.3	36
2023	Different genotypes of <i>Phragmites australis</i> show distinct phenotypic plasticity in response to nutrient availability and temperature. Aquatic Botany, 2012, 103, 89-97.	1.6	42
2024	The toxic effects of diethyl phthalate on the activity of glutamine synthetase in greater duckweed (<i>Spirodela polyrhiza</i> L.). Aquatic Toxicology, 2012, 124-125, 171-178.	4.0	29

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2025	Differential salt tolerance and similar responses to nitrogen availability in plants grown from dimorphic seeds of <i>Suaeda salsa</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 565-571.	1.2	10
2026	Isolation and partial characterization of mutants with elevated lipid content in <i>Chlorella sorokiniana</i> and <i>Scenedesmus obliquus</i> . <i>Journal of Biotechnology</i> , 2012, 162, 3-12.	3.8	79
2027	The search for new chlorophyll-binding proteins in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biotechnology</i> , 2012, 162, 124-133.	3.8	3
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2029	Genotypic variations in photosynthetic and physiological adjustment to potassium deficiency in cotton (<i>Gossypium hirsutum</i>). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 110, 1-8.	3.8	101
2030	Leaf plasticity to light intensity in Italian cypress (<i>Cupressus sempervirens</i> L.): Adaptability of a Mediterranean conifer cultivated in the Alps. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 61-69.	3.8	21
2031	Optimization of mixotrophic medium components for biomass production and biochemical composition biosynthesis by <i>Chlorella vulgaris</i> using response surface methodology. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 360-367.	5.3	48
2032	Silicon significantly alleviates the growth inhibitory effects of NaCl in salt-sensitive "Perfection" and "Midnight" Kentucky bluegrass (<i>Poa pratensis</i> L.). <i>Horticulture Environment and Biotechnology</i> , 2012, 53, 477-483.	2.1	9
2033	Response of antioxidant defences to Zn stress in three duckweed species. <i>Ecotoxicology and Environmental Safety</i> , 2012, 85, 52-58.	6.0	58
2034	Antiatherogenic properties of vegetable juice rich in antioxidants in cholesterol-fed rats. <i>Annals of Agricultural Sciences</i> , 2012, 57, 167-173.	2.9	5
2035	Reflectance spectra and images of green leaves with different tissue structure and chlorophyll content. <i>Israel Journal of Plant Sciences</i> , 2012, 60, 49-64.	0.5	53
2036	Seasonal changes in photosynthetic activity and photochemical efficiency of the Mediterranean shrub <i>Phillyrea angustifolia</i> L. <i>Plant Biosystems</i> , 2012, 146, 443-450.	1.6	24
2037	Reduction of Photoautotrophic Productivity in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803 by Phycobilisome Antenna Truncation. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6349-6351.	3.1	57
2038	Truncated Photosystem Chlorophyll Antenna Size in the Green Microalga <i>Chlamydomonas reinhardtii</i> upon Deletion of the <i>TLA3-CpSRP43</i> Gene. <i>Plant Physiology</i> , 2012, 160, 2251-2260.	4.8	142
2039	Interaction of Brassinosteroids and Polyamines Enhances Copper Stress Tolerance in <i>Raphanus Sativus</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 5659-5675.	4.8	142
2040	COMPARATIVE ANALYSIS OF SOME PHYSIOLOGICAL RESPONSES OF RICE SEEDLINGS TO COLD, SALT, AND DROUGHT STRESSES. <i>Journal of Plant Nutrition</i> , 2012, 35, 1037-1052.	1.9	14
2041	Detection and measurement of vegetation photoprotection stress response using PAR reflectance. <i>Israel Journal of Plant Sciences</i> , 2012, 60, 37-47.	0.5	40
2042	Usnea lichen community biomass estimation on volcanic mesas, James Ross Island, Antarctica. <i>Polar Biology</i> , 2012, 35, 1563-1572.	1.2	13

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2044	Estimation of dry matter content in leaves using normalized indexes and PROSPECT model inversion. <i>International Journal of Remote Sensing</i> , 2012, 33, 396-414.	2.9	72
2045	Multicolor fluorescence images and fluorescence ratio images of green apples at harvest and during storage. <i>Israel Journal of Plant Sciences</i> , 2012, 60, 97-106.	0.5	10
2046	Machine learning regression algorithms for biophysical parameter retrieval: Opportunities for Sentinel-2 and -3. <i>Remote Sensing of Environment</i> , 2012, 118, 127-139.	11.0	400
2047	Comparative effects of exogenous glycine betaine, kaolin clay particles and Ambiol on photosynthesis, leaf sclerophyllly indexes and heat load of olive cv. Chondrolia Chalkidikis under drought. <i>Scientia Horticulturae</i> , 2012, 137, 87-94.	3.6	60
2048	Influence of chloride and bromate interaction on oxidative stress in carrot plants. <i>Scientia Horticulturae</i> , 2012, 137, 81-86.	3.6	7
2049	Use of rapid screening methods for detecting drought tolerant cultivars of fig (<i>Ficus carica</i> L.). <i>Scientia Horticulturae</i> , 2012, 143, 7-14.	3.6	35
2050	New insights into the role of spermine in <i>Arabidopsis thaliana</i> under long-term salt stress. <i>Plant Science</i> , 2012, 182, 94-100.	3.6	80
2051	Overexpression of AtCHX24, a member of the cation/H ⁺ exchangers, accelerates leaf senescence in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2012, 183, 175-182.	3.6	7
2052	Involvement of the leaf antioxidant system in the response to soil flooding in two <i>Trifolium</i> genotypes differing in their tolerance to waterlogging. <i>Plant Science</i> , 2012, 183, 43-49.	3.6	40
2053	Antioxidant response resides in the shoot in reciprocal grafts of drought-tolerant and drought-sensitive cultivars in tomato under water stress. <i>Plant Science</i> , 2012, 188-189, 89-96.	3.6	89
2054	Overexpression of OsTLP27 in rice improves chloroplast function and photochemical efficiency. <i>Plant Science</i> , 2012, 195, 125-134.	3.6	7
2055	Physiological and Biochemical Aspects of the Resistance of Banana Plants to Fusarium Wilt Potentiated by Silicon. <i>Phytopathology</i> , 2012, 102, 957-966.	2.2	76
2056	Effects of inorganic nitrogen forms on growth, morphology, nitrogen uptake capacity and nutrient allocation of four tropical aquatic macrophytes (<i>Salvinia cucullata</i> , <i>Ipomoea aquatica</i> , <i>Cyperus</i>) Tj ETQq1 1 0.784314rgBT /Overlock 10	4.0	40
2057	Intraspecies differences in phenotypic plasticity: Invasive versus non-invasive populations of <i>Ceratophyllum demersum</i> . <i>Aquatic Botany</i> , 2012, 97, 49-56.	1.6	31
2058	Oxidative effects and metabolic changes following exposure of greater duckweed (<i>Spirodela</i>) Tj ETQq1 1 0.784314rgBT /Overlock 10	4.0	40
2059	Multiple-endpoint assay provides a detailed mechanistic view of responses to herbicide exposure in <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2012, 110-111, 214-224.	4.0	68
2060	Lead tolerance and phytoremediation potential of Brazilian leguminous tree species at the seedling stage. <i>Journal of Environmental Management</i> , 2012, 110, 299-307.	7.8	79

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2062	Strong light-induced reorganization of pigment-protein complexes of thylakoid membranes in rye (spectroscopic study). <i>Journal of Plant Physiology</i> , 2012, 169, 65-71.	3.5	4
2063	Drought stress has contrasting effects on antioxidant enzymes activity and phenylpropanoid biosynthesis in <i>Fraxinus ornus</i> leaves: An excess light stress affair?. <i>Journal of Plant Physiology</i> , 2012, 169, 929-939.	3.5	124
2064	Interactions between contaminated aquatic environments and element uptake by <i>Echinodorus amazinocus</i> and <i>Cryptocoryne undulata</i> . <i>Ecotoxicology and Environmental Safety</i> , 2012, 76, 114-125.	6.0	8
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2066	Response of <i>Salvinia cucullata</i> to high NH ₄ ⁺ concentrations at laboratory scales. <i>Ecotoxicology and Environmental Safety</i> , 2012, 79, 69-74.	6.0	21
2067	Interactive effects of cadmium and acid rain on photosynthetic light reaction in soybean seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2012, 79, 62-68.	6.0	46
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2073	The SbSOS1 gene from the extreme halophyte <i>Salicornia brachiata</i> enhances Na ⁺ loading in xylem and confers salt tolerance in transgenic tobacco. <i>BMC Plant Biology</i> , 2012, 12, 188.	3.6	147
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2075	Structural Confirmation of a Unique Carotenoid Lactoside, P457, in <i>Symbiodinium</i> sp. Strain nbrc 104787 Isolated from a Sea Anemone and its Distribution in Dinoflagellates and Various Marine Organisms. <i>Journal of Phycology</i> , 2012, 48, 1392-1402.	2.3	5
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2078	Proteomic analysis on salicylic acid-induced salt tolerance in common wheat seedlings (<i>Triticum</i>) TJ ETQq1 1 0.784314 rgBT /Overlock 1	2.3	46

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2082	Melatonin enhances root regeneration, photosynthetic pigments, biomass, total carbohydrates and proline content in the cherry rootstock PHL-C (<i>Prunus avium</i> — <i>Prunus cerasus</i>). <i>Plant Physiology and Biochemistry</i> , 2012, 61, 162-168.	5.8	167
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2087	Antioxidative-related enzyme activity in <i>Alyssum markgrafii</i> shoot cultures as affected by nickel level. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1997-2006.	2.1	12
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2090	Ecophysiological performance of <i>Calotropis procera</i> : an exotic and evergreen species in Caatinga, Brazilian semi-arid. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 335.	2.1	24
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2098	Biochemical modulation of growth, lipid quality and productivity in mixotrophic cultures of <i>Chlorella sorokiniana</i> . <i>SpringerPlus</i> , 2012, 1, 33.	1.2	51
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2105	Seasonal variation in crassulacean acid metabolism by the aquatic isoetid <i>Littorella uniflora</i> . <i>Photosynthesis Research</i> , 2012, 112, 163-173.	2.9	3
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2125	Morphological and physiological adjustments of Brazilwood (<i>Caesalpinia echinata</i> Lam.) to direct solar radiation. Brazilian Journal of Plant Physiology, 2012, 24, 161-172.	0.5	14
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2128	Differential effects of nitrogen and sulfur deprivation on growth and biodiesel feedstock production of <i>Chlamydomonas reinhardtii</i> . Biotechnology and Bioengineering, 2012, 109, 1947-1957.	3.3	195
2129	Cloning and functional analysis of CDS_CCI2: a <i>Tanacetum cinerariaefolium</i> chrysanthemyl diphosphate synthase gene. Plant Growth Regulation, 2012, 67, 161-169.	3.4	7
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2148	Glutathione-Mediated Alleviation of Chromium Toxicity in Rice Plants. <i>Biological Trace Element Research</i> , 2012, 148, 255-263.	3.5	79
2149	The antioxidative defense system is involved in the delayed senescence in a wheat mutant <i>tasg1</i> . <i>Plant Cell Reports</i> , 2012, 31, 1073-1084.	5.6	67
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2152	Photosynthetic capacity of <i>Eucalyptus globulus</i> is higher when grown in mixture with <i>Acacia mearnsii</i> . <i>Trees - Structure and Function</i> , 2012, 26, 1203-1213.	1.9	38
2153	Physiological impacts of magnesium-deficiency in Citrus seedlings: photosynthesis, antioxidant system and carbohydrates. <i>Trees - Structure and Function</i> , 2012, 26, 1237-1250.	1.9	115
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2168	Nitric oxide protects sour pummelo (<i>Citrus grandis</i>) seedlings against aluminum-induced inhibition of growth and photosynthesis. <i>Environmental and Experimental Botany</i> , 2012, 82, 1-13.	4.2	40

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2170	Two functional sites of phosphatidylglycerol for regulation of reaction of plastoquinone QB in photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 287-297.	1.0	23
2171	Plastoquinol is more active than α -tocopherol in singlet oxygen scavenging during high light stress of <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 389-394.	1.0	50
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2181	SA improvement of hyperhydricity reversion in <i>Thymus daenensis</i> shoots culture may be associated with polyamines changes. <i>Plant Physiology and Biochemistry</i> , 2012, 51, 40-46.	5.8	40
2182	Responses of three different ecotypes of reed (<i>Phragmites communis</i> Trin.) to their natural habitats: Leaf surface micro-morphology, anatomy, chloroplast ultrastructure and physio-chemical characteristics. <i>Plant Physiology and Biochemistry</i> , 2012, 51, 159-167.	5.8	32
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2189	Physiological responses and tolerance mechanisms to Pb in two xerophils: <i>Salsola passerina</i> Bunge and <i>Chenopodium album</i> L.. <i>Journal of Hazardous Materials</i> , 2012, 205-206, 131-138.	12.4	76
2190	Analysis of three <i>Xanthomonas axonopodis</i> pv. <i>citri</i> effector proteins in pathogenicity and their interactions with host plant proteins. <i>Molecular Plant Pathology</i> , 2012, 13, 865-876.	4.2	22
2191	Metal-metabolomics of microalga <i>Chlorella sorokiniana</i> growing in selenium- and iodine-enriched media. <i>Chemical Papers</i> , 2012, 66, .	2.2	10
2192	Interaction of silicon and cadmium in <i>Brassica juncea</i> and <i>Brassica napus</i> . <i>Biologia (Poland)</i> , 2012, 67, 498-504.	1.5	69
2193	Combined transcriptomic and physiological approaches reveal strong differences between short- and long-term response of rice (<i>Oryza sativa</i>) to iron toxicity. <i>Plant, Cell and Environment</i> , 2012, 35, 1837-1859.	5.7	103
2194	Cytokinin-facilitated proteolysis of ARABIDOPSIS RESPONSE REGULATOR2 attenuates signaling output in two-component circuitry. <i>Plant Journal</i> , 2012, 69, 934-945.	5.7	51
2195	Enhanced salt stress tolerance of rice plants expressing a vacuolar H ⁺ -ATPase subunit c1 (<i>SaVHAc1</i>) gene from the halophyte grass <i>Spartina alterniflora</i> L. <i>Plant Biotechnology Journal</i> , 2012, 10, 453-464.	8.3	128
2196	Manipulation of monoubiquitin improves salt tolerance in transgenic tobacco. <i>Plant Biology</i> , 2012, 14, 315-324.	3.8	15
2197	Nutrient additions in pristine Patagonian <i>Sphagnum</i> bog vegetation: can phosphorus addition alleviate (the effects of) increased nitrogen loads. <i>Plant Biology</i> , 2012, 14, 491-499.	3.8	58
2198	Impact of defoliation intensities on plant biomass, nutrient uptake and arbuscular mycorrhizal symbiosis in <i>Lotus tenuis</i> growing in a saline-sodic soil. <i>Plant Biology</i> , 2012, 14, 964-971.	3.8	15
2199	Decay of the Chloroplast Pool of Ascorbate Switches on the Oxidative Burst in UV-B irradiated Rice. <i>Journal of Agronomy and Crop Science</i> , 2012, 198, 130-144.	3.5	41
2200	Adaptation of the light-harvesting complex of the Barents Sea brown seaweed <i>Fucus vesiculosus</i> L. to light conditions. <i>Doklady Biological Sciences</i> , 2012, 442, 58-61.	0.6	5
2201	Expression of plastid genome and development of <i>Arabidopsis thaliana</i> with disturbed synthesis of brassinosteroids. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 28-34.	1.1	8
2202	Antioxidant responses of pea genotypes to zinc deficiency. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 198-205.	1.1	22
2203	Effect of heavy metals on photosynthetic apparatus and antioxidant status of elodea. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 190-197.	1.1	47
2204	Effect of anthropogenic pollution with dust containing heavy metals on seed progeny of spear saltbush. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 212-216.	1.1	0

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2205	Evaluation of processed green and ripe mango peel and pulp flours (<i>Mangifera indica</i> var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Journal of the Science of Food and Agriculture, 2012, 92, 557-563.	3.5	97
2206	Accelerated leaf senescence takes part in enhanced resistance in cucumber mosaic virus inoculated pepper leaves. Acta Physiologiae Plantarum, 2012, 34, 181-190.	2.1	4
2207	Physiological and molecular responses of two Arabidopsis accessions to calcium amendment and salt constraint. Acta Physiologiae Plantarum, 2012, 34, 439-450.	2.1	5
2208	Effects of Endo- and Ectomycorrhizal Fungi on Physiological Parameters and Heavy Metals Accumulation of Two Species from the Family Salicaceae. Water, Air, and Soil Pollution, 2012, 223, 399-410.	2.4	40
2209	Improving low-temperature tolerance in sugarcane by expressing the ipt gene under a cold inducible promoter. Biologia Plantarum, 2012, 56, 71-77.	1.9	52
2210	Effects of abscisic acid on content and biosynthesis of terpenoids in Cannabis sativa at vegetative stage. Biologia Plantarum, 2012, 56, 153-156.	1.9	33
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2212	Effect of 24-epibrassinolide on drought stress-induced changes in Chorispora bungeana. Biologia Plantarum, 2012, 56, 192-196.	1.9	99
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2214	Effects of lead on the growth, lead accumulation and physiological responses of Pluchea sagittalis. Ecotoxicology, 2012, 21, 111-123.	2.4	63
2215	Micro-scale chlorophyll analysis and developmental expression of a cytokinin oxidase/dehydrogenase gene during leaf development and senescence. Plant Growth Regulation, 2012, 66, 95-99.	3.4	9
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2218	Exploring nutritional modes of cultivation for enhancing lipid accumulation in microalgae. Journal of Basic Microbiology, 2013, 53, 440-450.	3.3	41
2219	Effect of partial or complete elimination of light-harvesting complexes on the surface electric properties and the functions of cyanobacterial photosynthetic membranes. Physiologia Plantarum, 2013, 147, 248-260.	5.2	8
2220	Physiological and biochemical responses of <i>Quercus pubescens</i> to air warming and drought on acidic and calcareous soils. Plant Biology, 2013, 15, 157-168.	3.8	33
2221	Simple extraction methods that prevent the artifactual conversion of chlorophyll to chlorophyllide during pigment isolation from leaf samples. Plant Methods, 2013, 9, 19.	4.3	99
2222	Effect of Phosphorus Nutrition on Growth and Physiology of Cotton Under Ambient and Elevated Carbon Dioxide. Journal of Agronomy and Crop Science, 2013, 199, 436-448.	3.5	45

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2224	Carotenoidâ€“Lipid Interactions. Behavior Research Methods, 2013, 17, 215-236.	4.0	22
2225	Phosphorus deficiency restricts plant growth but induces pigment formation in the flower stalk of Chinese kale. Horticulture Environment and Biotechnology, 2013, 54, 243-248.	2.1	17
2226	Developmental changes in energy dissipation in etiolated wheat seedlings during the greening process. Photosynthetica, 2013, 51, 497-508.	1.7	13
2227	Interaction of salicylic acid and ethylene and their effects on some physiological and biochemical parameters in canola plants (<i>Brassica napus</i> L.). Photosynthetica, 2013, 51, 411-418.	1.7	23
2228	Diurnal changes in photosynthesis and antioxidants of <i>Angelica sinensis</i> as influenced by cropping systems. Photosynthetica, 2013, 51, 252-258.	1.7	21
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2230	The myristoylated amino-terminus of an <i>Arabidopsis</i> calcium-dependent protein kinase mediates plasma membrane localization. Plant Molecular Biology, 2013, 82, 267-278.	3.9	54
2231	Isolates of dark septate endophytes reduce metal uptake and improve physiology of <i>Salix caprea</i> L.. Plant and Soil, 2013, 370, 593-604.	3.7	102
2232	Growth and survival of cork oak (<i>Quercus suber</i>) seedlings after simulated partial cotyledon consumption under different soil nutrient contents. Plant and Soil, 2013, 370, 381-392.	3.7	15
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2234	NMR (1H) analysis of crude extracts detects light stress in <i>Beta vulgaris</i> and <i>Spinacia oleracea</i> leaves. Photosynthesis Research, 2013, 115, 115-122.	2.9	7
2235	Nitric oxide alleviates arsenic-induced toxic effects in ridged <i>Luffa</i> seedlings. Plant Physiology and Biochemistry, 2013, 71, 155-163.	5.8	122
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2237	Effects of dehydration and rehydration on the leaf lipids and lipid metabolism in <i>Parkinsonia aculeata</i> (Caesalpiniaceae). Botany, 2013, 91, 505-513.	1.0	9
2238	Water stress impact on young seedling growth of <i>Acacia arabica</i> . Acta Physiologiae Plantarum, 2013, 35, 2157-2169.	2.1	20
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2240	ZnO Nanoparticle Biosynthesis and Its Effect on Phosphorous-Mobilizing Enzyme Secretion and Gum Contents in Clusterbean (<i>Cyamopsis tetragonoloba</i> L.). Agricultural Research, 2013, 2, 48-57.	1.7	539

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2242	Leaf proteome profiling of transgenic mint infected with <i>Alternaria alternata</i> . <i>Journal of Proteomics</i> , 2013, 93, 117-132.	2.4	14
2243	Photosynthetic and antioxidant responses of <i>Liquidambar formosana</i> and <i>Schima superba</i> seedlings to sulfuric-rich and nitric-rich simulated acid rain. <i>Plant Physiology and Biochemistry</i> , 2013, 64, 41-51.	5.8	76
2244	Pretreatment with NaCl induces tolerance of rice seedlings to subsequent Cd or Cd + NaCl stress. <i>Biologia Plantarum</i> , 2013, 57, 567-570.	1.9	15
2245	Productivity and biochemical composition of <i>Phaeodactylum tricornutum</i> (Bacillariophyceae) cultures grown outdoors in tubular photobioreactors and open ponds. <i>Biomass and Bioenergy</i> , 2013, 54, 115-122.	5.7	95
2246	EFFECTS OF CALCIUM AND SALINITY STRESS ON QUALITY OF LETTUCE IN SOILLESS CULTURE. <i>Journal of Plant Nutrition</i> , 2013, 36, 677-690.	1.9	25
2247	Evaluation of microalgal consortia for treatment of primary treated sewage effluent and biomass production. <i>Journal of Applied Phycology</i> , 2013, 25, 1529-1537.	2.8	140
2248	Dynamic compartment specific changes in glutathione and ascorbate levels in <i>Arabidopsis</i> plants exposed to different light intensities. <i>BMC Plant Biology</i> , 2013, 13, 104.	3.6	74
2249	Endophytic <i>Penicillium funiculosum</i> LHL06 secretes gibberellin that reprograms <i>Glycine max</i> L. growth during copper stress. <i>BMC Plant Biology</i> , 2013, 13, 86.	3.6	151
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2252	Physiological and biochemical abilities of robusta coffee leaves for acclimation to cope with temporal changes in light availability. <i>Physiologia Plantarum</i> , 2013, 149, 45-55.	5.2	20
2253	Analysis of chlorophyll fluorescence spectra for the monitoring of Cd toxicity in a bio-energy crop (<i>Jatropha curcas</i>). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 127, 88-93.	3.8	25
2254	UV-C effect on ethylene, polyamines and the regulation of tomato fruit ripening. <i>Postharvest Biology and Technology</i> , 2013, 86, 230-239.	6.0	66
2255	Excitation kinetics of chlorophyll fluorescence during light-induced greening and establishment of photosynthetic activity of barley seedlings. <i>Photosynthetica</i> , 2013, 51, 221-230.	1.7	7
2256	Application of low intensity light pulses to delay postharvest senescence of <i>Ocimum basilicum</i> leaves. <i>Postharvest Biology and Technology</i> , 2013, 86, 181-191.	6.0	56
2257	Apples Nutraceutic Properties Evaluation Through a Visible and Near-Infrared Portable System. <i>Food and Bioprocess Technology</i> , 2013, 6, 2547-2554.	4.7	67
2258	The Effects of Selenium on Physiological Traits, Grain Selenium Content and Yield of Winter Wheat at Different Development Stages. <i>Biological Trace Element Research</i> , 2013, 151, 434-440.	3.5	45

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2259	Changes in leaf proteome profile of <i>Arabidopsis thaliana</i> in response to salicylic acid. <i>Journal of Biosciences</i> , 2013, 38, 317-328.	1.1	18
2260	Altitudinal variation in growth, photosynthetic capacity and water use efficiency of <i>Abies faxoniana</i> Rehd. et Wils. seedlings as revealed by reciprocal transplantations. <i>Trees - Structure and Function</i> , 2013, 27, 1405-1416.	1.9	29
2261	Developmental variations in sesquiterpenoid biosynthesis in East Indian sandalwood tree (<i>Santalum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	25
2262	The rice <i>faded green leaf</i> locus encodes protochlorophyllide oxidoreductase and is essential for chlorophyll synthesis under high light conditions. <i>Plant Journal</i> , 2013, 74, 122-133.	5.7	153
2263	Response of the antioxidant system of light-demanding and shade-bearing pine species to phytocenotic stress. <i>Contemporary Problems of Ecology</i> , 2013, 6, 149-155.	0.7	4
2264	<i>Penicillium</i> sp. mitigates <i>Fusarium</i> -induced biotic stress in sesame plants. <i>Biotechnology Letters</i> , 2013, 35, 1073-1078.	2.2	13
2265	Boron excess affects photosynthesis and antioxidant apparatus of greenhouse <i>Cucurbita pepo</i> and <i>Cucumis sativus</i> . <i>Journal of Plant Research</i> , 2013, 126, 775-786.	2.4	45
2266	EDTA reduces heavy metal impacts on <i>Tribulus terrestris</i> photosynthesis and antioxidants. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 623-632.	1.1	13
2267	Exposure to elevated ozone levels differentially affects the antioxidant capacity and the redox homeostasis of two subtropical <i>Phaseolus vulgaris</i> L. varieties. <i>Chemosphere</i> , 2013, 93, 320-330.	8.2	46
2268	Effect of boron deficiency on photosynthesis and antioxidant responses of young tea plantlets. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 633-639.	1.1	20
2269	Inactivation of <i>sll0136</i> gene in <i>Synechocystis</i> sp. PCC 6803 results in the disturbance in protein biogenesis of photosynthetic complexes. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 511-517.	1.1	2
2270	Maize plant growth and accumulation of photosynthetic pigments at short- and long-term exposure to cadmium. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 250-259.	1.1	10
2271	<i>Chara</i> can outcompete <i>Myriophyllum</i> under low phosphorus supply. <i>Aquatic Sciences</i> , 2013, 75, 457-467.	1.5	36
2272	The polyamine spermine protects <i>Arabidopsis</i> from heat stress-induced damage by increasing expression of heat shock-related genes. <i>Transgenic Research</i> , 2013, 22, 595-605.	2.4	127
2273	Effects of copper sulfate on growth and physiological responses of <i>Limoniastrum monopetalum</i> . <i>Environmental Science and Pollution Research</i> , 2013, 20, 8839-8847.	5.3	26
2274	Copper ultrastructural localization, subcellular distribution, and phytotoxicity in <i>Hydrilla verticillata</i> (L.f.) Royle. <i>Environmental Science and Pollution Research</i> , 2013, 20, 8672-8679.	5.3	31
2275	Influence of exogenous urea on photosynthetic pigments, ¹⁴ CO ₂ uptake, and urease activity in <i>Elodea densa</i> environmental implications. <i>Environmental Science and Pollution Research</i> , 2013, 20, 6172-6177.	5.3	12
2276	Sublethal detergent concentrations increase metabolism of recalcitrant polyphosphonates by the cyanobacterium <i>Spirulina platensis</i> . <i>Environmental Science and Pollution Research</i> , 2013, 20, 3263-3270.	5.3	7

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2277	Alteration of chromium effect on photosystem II activity in <i>Chlamydomonas reinhardtii</i> cultures under different synchronized state of the cell cycle. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1870-1875.	5.3	8
2278	Study of photosynthetic pigments changes of maize (<i>Zea mays</i> L.) under nano TiO ₂ spraying at various growth stages. <i>SpringerPlus</i> , 2013, 2, 247.	1.2	129
2279	ATPG is required for the accumulation and function of chloroplast ATP synthase in <i>Arabidopsis</i> . <i>Science Bulletin</i> , 2013, 58, 3224-3232.	1.7	9
2280	Biochemical and anatomical responses related to the in vitro survival of the tropical bromeliad <i>Nidularium minutum</i> to low temperatures. <i>Plant Physiology and Biochemistry</i> , 2013, 71, 144-154.	5.8	31
2281	Structural, physiological, and biochemical profiling of tea plants under zinc stress. <i>Biologia Plantarum</i> , 2013, 57, 474-480.	1.9	81
2282	Image changes in chlorophyll fluorescence of cucumber leaves in response to iron deficiency and resupply. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 734-742.	1.9	20
2283	Contribution of cortical photosynthesis to bud development in African baobab (<i>Adansonia digitata</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1-5.	4.2	20
2284	Volatile isoprenoid emission potentials are correlated with essential isoprenoid concentrations in five plant species. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3109-3125.	2.1	14
2285	Interactive effects of excessive potassium and Mg deficiency on safflower. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2737-2745.	2.1	25
2286	Overexpression of <i>Rosa roxburghii</i> l-galactono-1,4-lactone dehydrogenase in tobacco plant enhances ascorbate accumulation and abiotic stress tolerance. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1617-1624.	2.1	33
2287	<i>Calystegia soldanella</i> : dune versus laboratory plants to highlight key adaptive physiological traits. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1329-1336.	2.1	18
2288	Antioxidant responses and water status in <i>Brassica</i> seedlings subjected to boron stress. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 697-706.	2.1	34
2289	Effect of the anthocyanic epidermal layer on Photosystem II and I energy dissipation processes in <i>Tradescantia pallida</i> (Rose) Hunt. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 463-472.	2.1	8
2290	Structural and functional reorganization of the photosynthetic apparatus in adaptation to cold of wheat plants. <i>Cell and Tissue Biology</i> , 2013, 7, 168-176.	0.4	15
2291	Evaluation of the impacts of herbivory by lace bugs on Chinese privet (<i>Ligustrum sinense</i>) survival and physiology. <i>Biological Control</i> , 2013, 64, 299-304.	3.0	4
2292	Analysis of gibberellins as free acids by ultra performance liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2013, 112, 85-94.	5.5	138
2293	<i>Capsicum annuum</i> homeobox 1 (CaHB1) is a nuclear factor that has roles in plant development, salt tolerance, and pathogen defense. <i>Biochemical and Biophysical Research Communications</i> , 2013, 442, 116-121.	2.1	19
2294	Calcium-mediated responses and glutamine synthetase expression in greater duckweed (<i>Spirodela</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 4.0	4.0	7

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2295	Interactive effects of nitrogen form and pH on growth, morphology, N uptake and mineral contents of <i>Coix lacryma-jobi</i> L.. <i>Aquatic Botany</i> , 2013, 111, 144-149.	1.6	19
2296	Interdependence of plant water status with photosynthetic performance and root defense responses in <i>Vigna radiata</i> (L.) Wilczek under progressive drought stress and recovery. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 127, 170-181.	3.8	35
2297	Heavy metal accumulation in leaves affects physiological performance and litter quality of <i>Quercus ilex</i> L.. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 776-784.	1.9	16
2298	Water relations, physiological behavior and antioxidant defence mechanism of olive plants subjected to different irrigation regimes. <i>Scientia Horticulturae</i> , 2013, 153, 150-156.	3.6	50
2299	Impact of nano-CuO stress on rice (<i>Oryza sativa</i> L.) seedlings. <i>Chemosphere</i> , 2013, 93, 906-915.	8.2	296
2300	Assessment of salt tolerance of <i>Nasturtium officinale</i> R. Br. using physiological and biochemical parameters. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3427-3436.	2.1	5
2301	Evaluation of toxicity and oxidative stress induced by copper oxide nanoparticles in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2013, 142-143, 431-440.	4.0	220
2302	The use of waste-derived amendments to promote the growth of Indian mustard in copper mine tailings. <i>Minerals Engineering</i> , 2013, 53, 24-30.	4.3	15
2303	Dual Role for Phospholipid:Diacylglycerol Acyltransferase: Enhancing Fatty Acid Synthesis and Diverting Fatty Acids from Membrane Lipids to Triacylglycerol in <i>Arabidopsis</i> Leaves. <i>Plant Cell</i> , 2013, 25, 3506-3518.	6.6	145
2304	An <i>Arabidopsis</i> Soil-Salinity Tolerance Mutation Confers Ethylene-Mediated Enhancement of Sodium/Potassium Homeostasis. <i>Plant Cell</i> , 2013, 25, 3535-3552.	6.6	208
2305	Comparative effects of NaCl and NaHCO ₃ stress on photosynthetic parameters, nutrient metabolism, and the antioxidant system in tomato leaves. <i>Scientia Horticulturae</i> , 2013, 157, 1-12.	3.6	148
2306	The Fungal Phytotoxin Alternariol 9-Methyl Ether and Some of Its Synthetic Analogues Inhibit the Photosynthetic Electron Transport Chain. <i>Journal of Natural Products</i> , 2013, 76, 2234-2245.	3.0	50
2307	Calcium-induced proline accumulation contributes to amelioration of NaCl injury and expression of glutamine synthetase in greater duckweed (<i>Spirodela polyrhiza</i> L.). <i>Aquatic Toxicology</i> , 2013, 144-145, 265-274.	4.0	19
2308	Long-Term Effects of Aluminum and Cadmium on Growth, Leaf Anatomy, and Photosynthetic Pigments of Cotton. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 3076-3091.	1.4	14
2309	Anthocyanin contribution to chlorophyll meter readings and its correction. <i>Photosynthesis Research</i> , 2013, 118, 277-295.	2.9	23
2310	A knockdown mutation of YELLOW-GREEN LEAF2 blocks chlorophyll biosynthesis in rice. <i>Plant Cell Reports</i> , 2013, 32, 1855-1867.	5.6	64
2311	Water deficit and recovery response of <i>Medicago truncatula</i> plants expressing the ELIP-like DSP22. <i>Biologia Plantarum</i> , 2013, 57, 159-163.	1.9	18
2312	Copper toxicity and sulfur metabolism in Chinese cabbage are affected by UV radiation. <i>Environmental and Experimental Botany</i> , 2013, 88, 60-70.	4.2	12

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2313	Stable transformation and actin visualization in callus cultures of dodder (<i>Cuscuta europaea</i>). <i>Biologia (Poland)</i> , 2013, 68, 633-640.	1.5	11
2314	Elevating vitamin C content via overexpression of myo-inositol oxygenase and l-gulonolactone oxidase in <i>Arabidopsis</i> leads to enhanced biomass and tolerance to abiotic stresses. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 643-655.	2.1	70
2315	Effects of sub-lethal glyphosate concentrations on growth and photosynthetic performance of non-target species <i>Bolboschoenus maritimus</i> . <i>Chemosphere</i> , 2013, 93, 2631-2638.	8.2	28
2316	Cadmium and nickel: Assessment of the physiological effects and heavy metal removal using a response surface approach by <i>L. gibba</i> . <i>Ecological Engineering</i> , 2013, 61, 426-435.	3.6	75
2317	Combined effects of cadmium and fluoranthene on germination, growth and photosynthesis of soybean seedlings. <i>Journal of Environmental Sciences</i> , 2013, 25, 1936-1946.	6.1	45
2318	Morphological and biochemical behavior of fenugreek (<i>Trigonella foenum-graecum</i>) under copper stress. <i>Ecotoxicology and Environmental Safety</i> , 2013, 98, 46-53.	6.0	53
2319	Influence of Elevated CO ₂ and Municipal Wastewater Feed on the Productivity, Morphology, and Chemical Composition of <i>Arthrospira (Spirulina) platensis</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1348-1356.	6.7	17
2320	Brassinosteroid regulates secondary metabolism in tomato towards enhanced tolerance to phenanthrene. <i>Biologia Plantarum</i> , 2013, 57, 154-158.	1.9	67
2321	Molecular Architecture of Plant Thylakoids under Physiological and Light Stress Conditions: A Study of Lipid-Light-Harvesting Complex II Model Membranes. <i>Plant Cell</i> , 2013, 25, 2155-2170.	6.6	80
2322	Oxidative stress and antioxidant responses of mulberry (<i>Morus alba</i>) plants subjected to deficiency and excess of manganese. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3345-3356.	2.1	19
2323	Bioactive and nutritive compounds in <i>Sorghum bicolor</i> (Guinea corn) red leaves and their health implication. <i>Food Chemistry</i> , 2013, 138, 718-723.	8.2	25
2324	Bicarbonate stimulates the electron donation from Mn ²⁺ to in isolated D1/D2/cytochrome b559 complex. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 129, 87-92.	3.8	0
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2326	Assessment of surface water in the vicinity of fertilizer factory using fish and plants. <i>Ecotoxicology and Environmental Safety</i> , 2013, 96, 32-40.	6.0	24
2327	Absciscic acid and nitric oxide signaling in two different portions of detached leaves of <i>Guzmania monostachia</i> with CAM up-regulated by drought. <i>Journal of Plant Physiology</i> , 2013, 170, 996-1002.	3.5	48
2328	Salt tolerance of <i>Centaurea ragusina</i> L. is associated with efficient osmotic adjustment and increased antioxidative capacity. <i>Environmental and Experimental Botany</i> , 2013, 87, 39-48.	4.2	39
2329	Co-Expression of Monodehydroascorbate Reductase and Dehydroascorbate Reductase from <i>Brassica rapa</i> Effectively Confers Tolerance to Freezing-Induced Oxidative Stress. <i>Molecules and Cells</i> , 2013, 36, 304-315.	2.6	42
2330	Salicylic acid induces physiological and biochemical changes in three Red bayberry (<i>Myrica rubra</i>) genotypes under water stress. <i>Plant Growth Regulation</i> , 2013, 71, 181-189.	3.4	27

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2331	Leaf cDNA-AFLP analysis of two citrus species differing in manganese tolerance in response to long-term manganese-toxicity. BMC Genomics, 2013, 14, 621.	2.8	54
2332	Role of 5-aminolevulinic acid in the salinity stress response of the seeds and seedlings of the medicinal plant <i>Cassia obtusifolia</i> L., 2013, 54, 18.		26
2333	A receptor-like kinase gene (GbRLK) from <i>Gossypium barbadense</i> enhances salinity and drought-stress tolerance in <i>Arabidopsis</i> . BMC Plant Biology, 2013, 13, 110.	3.6	77
2334	Calcium-mediated enhancement of copper tolerance in <i>Elodea canadensis</i> . <i>Biologia Plantarum</i> , 2013, 57, 365-369.	1.9	18
2335	Morphological and biochemical responses of <i>Oryza sativa</i> L. (cultivar MR219) to ion beam irradiation. <i>Journal of Zhejiang University: Science B</i> , 2013, 14, 1132-1143.	2.8	19
2336	Plant Growth and Leaf Antioxidant Metabolism of Four Elite Grass Pea (<i>Lathyrus sativus</i>) Genotypes, Differing in Arsenic Tolerance. <i>Agricultural Research</i> , 2013, 2, 330-339.	1.7	10
2337	Identification and Structure Elucidation of a Novel Antifungal Compound Produced by <i>Pseudomonas aeruginosa</i> PGPR2 Against <i>Macrophomina phaseolina</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 2176-2185.	2.9	18
2338	Constitutive overexpression of <i>Nicotiana</i> GA 2 ox leads to compact phenotypes and delayed flowering in <i>Kalanchoe blossfeldiana</i> and <i>Petunia hybrida</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 115, 407-418.	2.3	22
2339	Ectomycorrhizal inoculation with <i>Pisolithus tinctorius</i> increases the performance of <i>Quercus suber</i> L. (cork oak) nursery and field seedlings. <i>New Forests</i> , 2013, 44, 937-949.	1.7	42
2340	Improved shoot multiplication and development in hybrid hazelnut nodal cultures by ethylenediamine di-2-hydroxy-phenylacetic acid (Fe-EDDHA). <i>Canadian Journal of Plant Science</i> , 2013, 93, 511-521.	0.9	27
2341	Simultaneous esterification, transesterification and chlorophyll removal from green seed canola oil using solid acid catalysts. <i>Catalysis Today</i> , 2013, 207, 74-85.	4.4	36
2342	Phytoremediation of amended copper mine tailings with <i>Brassica juncea</i> . <i>International Journal of Mining, Reclamation and Environment</i> , 2013, 27, 215-226.	2.8	23
2343	Winter and summer leaves of <i>Cistus incanus</i> : differences in leaf morphofunctional traits, photosynthetic energy partitioning, and poly(ADP-ribose) polymerase (PARP) activity. <i>Botany</i> , 2013, 91, 805-813.	1.0	14
2344	Arsenic-induced changes in growth and antioxidant metabolism of fenugreek. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 652-660.	1.1	57
2345	Effect of ABA on the contents of proline, polyamines, and cytokinins in the common ice plants under salt stress. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 741-748.	1.1	14
2346	Green light regulates plastid gene transcription and stimulates the accumulation of photosynthetic pigments in plants. <i>Doklady Biological Sciences</i> , 2013, 451, 253-256.	0.6	5
2347	EXOGENOUS APPLICATION OF POTASSIUM NITRATE TO ALLEVIATE SALT STRESS IN RICE SEEDLINGS. <i>Journal of Plant Nutrition</i> , 2013, 36, 607-616.	1.9	5
2348	Plant uptake and phytotoxicity of decabromodiphenyl ether (BDE-209) in ryegrass (<i>Lolium perenne</i> L). <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1904.	3.5	20

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2350	Effects of Cd, Cu, Pb, and Zn Combinations on <i>Phragmites australis</i> Metabolism, Metal Accumulation and Distribution. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 11-19.	1.1	23
2351	The effect of herbivory by the mite <i>Orthogalumna terebrantis</i> on the growth and photosynthetic performance of water hyacinth (<i>Eichhornia crassipes</i>). <i>Aquatic Botany</i> , 2013, 104, 60-69.	1.6	26
2352	Effects of bisphenol A on growth, photosynthesis and chlorophyll fluorescence in above-ground organs of soybean seedlings. <i>Chemosphere</i> , 2013, 90, 1274-1280.	8.2	110
2353	Nonlinear methods for estimation of maturity stage, total chlorophyll, and carotenoid content in intact bell peppers. <i>Biosystems Engineering</i> , 2013, 114, 414-425.	4.3	39
2354	Kaolin Particle Film and Water Deficit Influence Malbec Leaf and Berry Temperature, Pigments, and Photosynthesis. <i>American Journal of Enology and Viticulture</i> , 2013, 64, 223-230.	1.7	52
2355	Spermine Promotes Acclimation to Osmotic Stress by Modifying Antioxidant, Absciscic Acid, and Jasmonic Acid Signals in Soybean. <i>Journal of Plant Growth Regulation</i> , 2013, 32, 22-30.	5.1	99
2356	Contrasting Physiological Responses of <i>Jatropha curcas</i> Plants to Single and Combined Stresses of Salinity and Heat. <i>Journal of Plant Growth Regulation</i> , 2013, 32, 159-169.	5.1	62
2357	Effects of 1-octyl-3-methylimidazolium bromide on the antioxidant system of <i>Lemna minor</i> . <i>Protoplasma</i> , 2013, 250, 103-110.	2.1	72
2358	Overexpression of a trehalose-6-phosphate synthase/phosphatase fusion gene enhances tolerance and photosynthesis during drought and salt stress without growth aberrations in tomato. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 112, 257-262.	2.3	61
2359	Silicon alleviates deleterious effects of high salinity on the halophytic grass <i>Spartina densiflora</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 63, 115-121.	5.8	123
2360	Effects of NH ₄ ⁺ -N concentrations and gradient redox level on growth and allied biochemical parameters of <i>Elodea nuttallii</i> (Planch.). <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2013, 208, 211-219.	1.2	32
2361	Plant age-related changes in cytokinins, leaf growth and pigment accumulation in juvenile mastic trees. <i>Environmental and Experimental Botany</i> , 2013, 87, 10-18.	4.2	17
2362	Development of Bio based Semi-Synthetic Metal Working Fluid from Industrial Waste Water. <i>Procedia Engineering</i> , 2013, 64, 1436-1444.	1.2	10
2363	Relations among pigments, color and phenolic concentrations in the peel of two Gala apple strains according to canopy position and light environment. <i>Scientia Horticulturae</i> , 2013, 151, 83-89.	3.6	25
2364	Effect of preillumination with red light on photosynthetic parameters and oxidant-/antioxidant balance in <i>Arabidopsis thaliana</i> in response to UV-A. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 127, 229-236.	3.8	40
2365	Trichoderma inoculation ameliorates arsenic induced phytotoxic changes in gene expression and stem anatomy of chickpea (<i>Cicer arietinum</i>). <i>Ecotoxicology and Environmental Safety</i> , 2013, 89, 8-14.	6.0	44
2366	Effect of oxygen at low and high light intensities on the growth of <i>Neochloris oleoabundans</i> . <i>Algal Research</i> , 2013, 2, 122-126.	4.6	45

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2367	Comparative proteomics using lipid over-producing or less-producing mutants unravels lipid metabolisms in <i>Chlamydomonas reinhardtii</i> . <i>Bioresource Technology</i> , 2013, 145, 108-115.	9.6	26
2368	A Mediator of Singlet Oxygen Responses in <i>Chlamydomonas reinhardtii</i> and <i>Arabidopsis</i> Identified by a Luciferase-Based Genetic Screen in Algal Cells. <i>Plant Cell</i> , 2013, 25, 4209-4226.	6.6	82
2369	Ectopic expression of <i>Brassica rapa</i> L. MDHAR increased tolerance to freezing stress by enhancing antioxidant systems of host plants. <i>South African Journal of Botany</i> , 2013, 88, 388-400.	2.5	16
2370	Putative role of cytokinin in differential ethylene response of two lines of antisense ACC oxidase cantaloupe melons. <i>Postharvest Biology and Technology</i> , 2013, 86, 511-519.	6.0	5
2371	Effects of selenium on agronomical characters of winter wheat exposed to enhanced ultraviolet-B. <i>Ecotoxicology and Environmental Safety</i> , 2013, 92, 320-326.	6.0	67
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2373	Tiller number is altered in the ascorbic acid-deficient rice suppressed for l-galactono-1,4-lactone dehydrogenase. <i>Journal of Plant Physiology</i> , 2013, 170, 389-396.	3.5	17
2374	Effect of Nitric Oxide on Alleviating Cadmium Toxicity in Rice (<i>Oryza sativa</i> L.). <i>Journal of Integrative Agriculture</i> , 2013, 12, 1540-1550.	3.5	27
2375	Using leaf spectral reflectance to monitor the effects of shading on nicotine content in tobacco leaves. <i>Industrial Crops and Products</i> , 2013, 51, 444-452.	5.2	10
2376	Effect of dynamic oxygen concentrations on the growth of <i>Neochloris oleoabundans</i> at sub-saturating light conditions. <i>Bioresource Technology</i> , 2013, 142, 95-100.	9.6	6
2377	<i>Lemna minor</i> exposed to fluoranthene: Growth, biochemical, physiological and histochemical changes. <i>Aquatic Toxicology</i> , 2013, 140-141, 37-47.	4.0	77
2378	Isolation and expression profiling of GhNAC transcription factor genes in cotton (<i>Gossypium</i>) Tj ETQq1 1 0.784314 _{rgBT} / Overlock 10 _{TF}	2.2	60
2379	Exogenous nitric oxide (as sodium nitroprusside) ameliorates arsenic-induced oxidative stress in watercress (<i>Nasturtium officinale</i> R. Br.) plants. <i>Scientia Horticulturae</i> , 2013, 161, 350-356.	3.6	43
2380	Variation of photosynthesis and pigment concentration relative to irradiance and nitrogen content for two coexisting desert shrubs. <i>Ecological Engineering</i> , 2013, 58, 238-248.	3.6	5
2381	Water-deficit tolerant identification in sweet potato genotypes (<i>Ipomoea batatas</i> (L.) Lam.) in vegetative developmental stage using multivariate physiological indices. <i>Scientia Horticulturae</i> , 2013, 162, 242-251.	3.6	26
2382	Response of <i>Phaseolus vulgaris</i> L. plants to low-let ionizing radiation: Growth and oxidative stress. <i>Acta Astronautica</i> , 2013, 91, 107-114.	3.2	26
2383	Growth and survival of <i>Halimione portulacoides</i> stem cuttings in heavy metal contaminated soils. <i>Marine Pollution Bulletin</i> , 2013, 75, 28-32.	5.0	19
2384	Mutation of OsDET1 increases chlorophyll content in rice. <i>Plant Science</i> , 2013, 210, 241-249.	3.6	22

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2386	Damage and protection of the photosynthetic apparatus from UV-B radiation. I. Effect of ascorbate. <i>Journal of Plant Physiology</i> , 2013, 170, 251-257.	3.5	17
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2389	Nitric oxide acts as a signal molecule in microwave pretreatment induced cadmium tolerance in wheat seedlings. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 65-73.	2.1	22
2390	Physiological responses of <i>Plantago algarbiensis</i> and <i>P. almogravensis</i> shoots and plantlets to low pH and aluminum stress. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 615-625.	2.1	19
2391	Influence of Human Lactoferrin Expression on Iron Homeostasis, Flavonoids, and Antioxidants in Transgenic Tobacco. <i>Molecular Biotechnology</i> , 2013, 53, 118-128.	2.4	6
2392	Redirecting Photosynthetic Reducing Power toward Bioactive Natural Product Synthesis. <i>ACS Synthetic Biology</i> , 2013, 2, 308-315.	3.8	85
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2394	Effect of high-light on photosynthetic apparatus with different content of anionic lipids and organization of light-harvesting complex of photosystem II. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 975-978.	2.1	1
2395	The Alleviating Effect of Elevated CO_2 on Heat Stress Susceptibility of Two Wheat (<i>Triticum aestivum</i> L.) Cultivars. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 340-350.	3.5	66
2396	Physiological and biochemical defense reactions of <i>Vicia faba</i> L. "Rhizobium symbiosis face to chronic exposure to cyanobacterial bloom extract containing microcystins. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5405-5415.	5.3	28
2397	Interactive effects of temperature and light intensity on photosynthesis and antioxidant enzyme activity in <i>Zizania latifolia</i> Turcz. plants. <i>Photosynthetica</i> , 2013, 51, 127-138.	1.7	32
2398	Use of cyanobacterial polysaccharides to promote shrub performances in desert soils: a potential approach for the restoration of desertified areas. <i>Biology and Fertility of Soils</i> , 2013, 49, 143-152.	4.3	77
2399	Light harvesting complexes of <i>Chromera velia</i> , photosynthetic relative of apicomplexan parasites. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 723-729.	1.0	29
2400	Growth and antioxidant response of <i>Brassica rapa</i> var. <i>rapa</i> L. (turnip) irrigated with different compositions of paper and board mill (PBM) effluent. <i>Chemosphere</i> , 2013, 91, 1196-1202.	8.2	12
2401	NUTRIENT SEQUESTRATION, BIOMASS PRODUCTION BY MICROALGAE AND PHYTOREMEDIATION OF SEWAGE WATER. <i>International Journal of Phytoremediation</i> , 2013, 15, 789-800.	3.1	43
2402	Chloroplast functionality has a positive effect on nitric oxide level in soybean cotyledons. <i>Plant Physiology and Biochemistry</i> , 2013, 66, 26-33.	5.8	48

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2404	Multiple regression models and Computer Vision Systems to predict antioxidant activity and total phenols in pigmented carrots. <i>Journal of Food Engineering</i> , 2013, 117, 74-81.	5.2	30
2405	Three cycles of water deficit from seed to young plants of <i>Moringa oleifera</i> woody species improves stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2013, 63, 200-208.	5.8	57
2406	Growth and development of cucumber <i>Cucumis sativus</i> L. in the prereproductive period under long photoperiods. <i>Russian Journal of Developmental Biology</i> , 2013, 44, 78-85.	0.5	8
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2408	Preillumination of lettuce seedlings with red light enhances the resistance of photosynthetic apparatus to UV-A. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 122, 1-6.	3.8	36
2409	Comparison of photosynthesis recovery dynamics in floating leaves of <i>Trapa natans</i> after inhibition by manganese or molybdenum: Effects on Photosystem II. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 387-395.	5.8	8
2410	CCD study on the ecophysiological effects of heavy metals on <i>Lemna gibba</i> . <i>Ecological Engineering</i> , 2013, 57, 302-313.	3.6	42
2411	Some ecophysiological characteristics of artÄ (Calligonum comosum Ä½ HÄ©rit) in response to drought stress. <i>Forest Science and Practice</i> , 2013, 15, 114-120.	0.2	7
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2413	Genome-wide identification and transcription analysis of soybean carotenoid oxygenase genes during abiotic stress treatments. <i>Molecular Biology Reports</i> , 2013, 40, 4737-4745.	2.3	28
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2415	The role of hydrogen peroxide in chitosan-induced resistance to osmotic stress in rice (<i>Oryza sativa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.4	78
2416	Comparison of bioactive phytochemical content and release of isothiocyanates in selected brassica sprouts. <i>Food Chemistry</i> , 2013, 141, 297-303.	8.2	60
2417	Synthetic Analogues of the Natural Compound Cryphonectric Acid Interfere with Photosynthetic Machinery through Two Different Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 5540-5549.	5.2	21
2418	Reduced light-harvesting antenna: Consequences on cyanobacterial metabolism and photosynthetic productivity. <i>Algal Research</i> , 2013, 2, 188-195.	4.6	49
2419	Morpho-physiological plasticity contributes to tolerance of <i>Calluna vulgaris</i> in an active geothermal field. <i>Australian Journal of Botany</i> , 2013, 61, 107.	0.6	8
2420	Nitrogen metabolism is related to improved water-use efficiency of nodulated alfalfa grown with sewage sludge under drought. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 110-117.	1.9	10

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2422	Role of plant growth promoting rhizobacteria on antioxidant enzyme activities and tropane alkaloids production of <i>Hyoscyamus niger</i> under water deficit stress. <i>Turkish Journal of Biology</i> , 0, , .	0.8	32
2423	Water stress amelioration and plant growth promotion in wheat plants by osmotic stress tolerant bacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 789-803.	3.6	118
2424	Ethephon application stimulates cannabinoids and plastidic terpenoids production in <i>Cannabis sativa</i> at flowering stage. <i>Industrial Crops and Products</i> , 2013, 46, 269-273.	5.2	18
2425	Zinc Modulates Drought-Induced Biochemical Damages in Tea [<i>Camellia sinensis</i> (L) O Kuntze]. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6660-6670.	5.2	46
2426	The response of maize seedlings to cadmium stress under hydroponic conditions. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 295-299.	1.1	5
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2429	Accumulation and distribution of Zn in the shoots and reproductive structures of the halophyte plant species <i>Kosteletzkya virginica</i> as a function of salinity. <i>Planta</i> , 2013, 238, 441-457.	3.2	31
2430	Copper-induced stress in <i>Solanum nigrum</i> L. and antioxidant defense system responses. <i>Food and Energy Security</i> , 2013, 2, 70-80.	4.3	105
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2432	Growth and photosynthetic responses to copper in wild grapevine. <i>Chemosphere</i> , 2013, 93, 294-301.	8.2	59
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2436	Drought stress response in <i>Jatropha curcas</i> : Growth and physiology. <i>Environmental and Experimental Botany</i> , 2013, 85, 76-84.	4.2	159
2437	Effect of blanching methods and frozen storage on some quality parameters of Turnip greens (<i>Brassica campestris</i>). <i>LWT - Food Science and Technology</i> , 2013, 51, 383-392.	5.2	28
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2440	Interaction of Cucumber mosaic virus and Bean yellow mosaic virus in co-infected plants of bean and broad bean. Archives of Phytopathology and Plant Protection, 2013, 46, 1081-1092.	1.3	2
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2450	<i>Arthrospira</i> (Spirulina) in tannery wastewaters Part 1: The microbial ecology of tannery waste stabilisation ponds and the management of noxious odour emissions using microalgal capping. Water S A, 2013, 39, .	0.4	2
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2455	<i>Arthrospira</i> (Spirulina) in tannery wastewaters. Part 2: Evaluation of tannery wastewater as production media for the mass culture of <i>Arthrospira</i> biomass. Water S A, 2013, 39, .	0.4	5
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2459	Internal Reflectance Modelling of <i>Hordeum vulgare</i> Leaves During Drying. Journal of Chemistry, 2013, 2013, 1-7.	1.9	0
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2470	PARAQUAT RESISTANT1, a Golgi-Localized Putative Transporter Protein, Is Involved in Intracellular Transport of Paraquat Å Å. Plant Physiology, 2013, 162, 470-483.	4.8	76
2471	The Different Photoprotective Mechanisms of Various Green Organs in Cotton (<i>Gossypium Hirsutum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	0
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2484	Structure of RNA-interacting Cyclophilin A-like protein from <i>Piriformospora indica</i> that provides salinity-stress tolerance in plants. <i>Scientific Reports</i> , 2013, 3, 3001.	3.3	33
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2579	Effects of Nanoparticle Hydroxyapatite on Growth and Antioxidant System in Pakchoi (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBJ/Overlock	2.7	27
2580	<i>Pleopeltis pleopeltifolia</i> (Polypodiopsida, Polypodiaceae), a poikilochlorophyllous desiccation-tolerant fern: anatomical, biochemical and physiological responses during water stress. <i>Australian Journal of Botany</i> , 2014, 62, 647.	0.6	7
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2594	Sexually different physiological responses of <i>Populus cathayana</i> to nitrogen and phosphorus deficiencies. Tree Physiology, 2014, 34, 343-354.	3.1	102
2595	Effects of boron toxicity on root and leaf anatomy in two Citrus species differing in boron tolerance. Trees - Structure and Function, 2014, 28, 1653-1666.	1.9	56
2596	Growth alteration and leaf biochemical responses in <i>Phaseolus vulgaris</i> exposed to different doses of ionising radiation. Plant Biology, 2014, 16, 194-202.	3.8	47
2597	Can frequent precipitation moderate the impact of drought on peatmoss carbon uptake in northern peatlands?. New Phytologist, 2014, 203, 70-80.	7.3	57
2598	Stress-induced changes of bioactive compounds in <i>Tropaeolum majus</i> L.. Industrial Crops and Products, 2014, 60, 349-359.	5.2	24
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2600	Deoxyxylulose 5-phosphate reductoisomerase is not a rate-determining enzyme for essential oil production in spike lavender. Journal of Plant Physiology, 2014, 171, 1564-1570.	3.5	22
2601	Chorismate Pyruvate-Lyase and 4-Hydroxy-3-solaneylbenzoate Decarboxylase Are Required for Plastoquinone Biosynthesis in the Cyanobacterium <i>Synechocystis</i> sp. PCC6803. Journal of Biological Chemistry, 2014, 289, 2675-2686.	3.4	20

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2603	Increased expression of Fe-chelatase leads to increased metabolic flux into heme and confers protection against photodynamically induced oxidative stress. Plant Molecular Biology, 2014, 86, 271-287.	3.9	37
2604	Physiological and comparative proteomic analyses of Thai jasmine rice and two check cultivars in response to drought stress. Journal of Plant Interactions, 2014, 9, 43-55.	2.1	39
2605	<scp>SVR4</scp> (suppressor of variegation 4) and <scp>SVR4</scp>-like: two proteins with a role in proper organization of the chloroplast genetic machinery. Physiologia Plantarum, 2014, 150, 477-492.	5.2	20
2606	Chlorophyll and carbohydrate metabolism in developing silique and seed are prerequisite to seed oil content of Brassica napus L., 2014, 55, 34.		20
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2610	Nitrite Transport Activity of a Novel HPP Family Protein Conserved in Cyanobacteria and Chloroplasts. Plant and Cell Physiology, 2014, 55, 1311-1324.	3.1	56
2611	Nutritional enhancement of leaves by a psyllid through senescence-like processes: insect manipulation or plant defence?. Oecologia, 2014, 176, 1061-1074.	2.0	35
2613	Comparative analysis of drought stress effects on photosynthesis of Eurasian and North African genotypes of wild barley. Photosynthetica, 2014, 52, 564-573.	1.7	27
2614	Screening of Bangladeshi winter wheat (Triticum aestivum L.) cultivars for sensitivity to ozone. Environmental Science and Pollution Research, 2014, 21, 13560-13571.	5.3	43
2615	THE EFFECTS OF ALUMINIUM ON THE PHOTOSYNTHETIC APPARATUS OF TWO RICE CULTIVARS. Experimental Agriculture, 2014, 50, 343-352.	0.9	8
2616	Arabidopsis gun4 mutant have greater light energy transfer efficiency in photosystem II despite low chlorophyll content. Theoretical and Experimental Plant Physiology, 2014, 26, 177-187.	2.4	4
2617	cDNA-AFLP analysis reveals the adaptive responses of citrus to long-term boron-toxicity. BMC Plant Biology, 2014, 14, 284.	3.6	30
2618	The influence of soluble carbohydrates, slow-release nitrogen and a plant growth regulator on transplant survival of trees. Arboricultural Journal, 2014, 36, 140-160.	0.8	1
2619	Pigments apparatus and anthocyanins reactions of borage to irrigation, methylalchol and titanium dioxide. International Journal of Biosciences, 2014, , 192-208.	0.1	4
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2622	Physiological and Molecular Responses to Variation of Light Intensity in Rubber Tree (<i>Hevea</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 15	2.5	20
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2624	Defense enzyme activities and biochemical variations of <i>Pelargonium zonale</i> in response to nanosilver application and dark storage. Turkish Journal of Biology, 2014, 38, 130-139.	0.8	77
2625	Hormesis and Paradoxical Effects of Wheat Seedling (<i>Triticum Aestivum</i> L.) Parameters upon Exposure to Different Pollutants in a Wide Range of Doses. Dose-Response, 2014, 12, dose-response.1.	1.6	33
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2629	Increased invasive potential of non-native <i>Phragmites australis</i> : elevated CO_2 and temperature alleviate salinity effects on photosynthesis and growth. Global Change Biology, 2014, 20, 531-543.	9.5	51
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2631	Effects of exogenous 24-epibrassinolide on the photosynthetic membranes under non-stress conditions. Plant Physiology and Biochemistry, 2014, 80, 75-82.	5.8	40
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2634	Pretreatment with alternation of light/dark periods improves the tolerance of tobacco (<i>Nicotiana</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 15	3.8	7
2635	The effect of high UV-B dosage on apple fruit photosystems at different fruit maturity stages. Scientia Horticulturae, 2014, 170, 103-114.	3.6	9
2636	Evidence that histidine forms a coordination bond to the AOA and AOB chlorophylls and a second H-bond to the A1A and A1B phyloquinones in M688HPsaA and M668HPsaB variants of <i>Synechocystis</i> sp. PCC 6803. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1362-1375.	1.0	32
2637	Physiological responses to soil lime in wild grapevine (<i>Vitis vinifera</i> ssp. <i>sylvestris</i>). Environmental and Experimental Botany, 2014, 105, 25-31.	4.2	13
2638	Growth, nutrient status, and photosynthetic response to diesel-contaminated soil of a cordgrass, <i>Spartina argentinensis</i> . Marine Pollution Bulletin, 2014, 79, 34-38.	5.0	22

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2640	Physiological effects of a novel aromatic cytokinin analogue in micropropagated <i>Aloe arborescens</i> and <i>Harpagophytum procumbens</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 116, 17-26.	2.3	43
2641	Water deficit and aluminum tolerance are associated with a high antioxidative enzyme capacity in <i>Indica</i> rice seedlings. <i>Protoplasma</i> , 2014, 251, 147-160.	2.1	15
2642	Effect of lycopene from <i>Chlorella marina</i> on high cholesterol-induced oxidative damage and inflammation in rats. <i>Inflammopharmacology</i> , 2014, 22, 45-54.	3.9	35
2643	Role of 24-Epibrassinolide, Putrescine and Spermine in Salinity Stressed <i>Adiantum capillus-veneris</i> Leaves. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2014, 84, 183-192.	1.0	6
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2646	Glutathione and transpiration as key factors conditioning oxidative stress in <i>Arabidopsis thaliana</i> exposed to uranium. <i>Planta</i> , 2014, 239, 817-830.	3.2	32
2647	Spectral shift as advanced index for fruit chlorophyll breakdown. <i>Food and Bioprocess Technology</i> , 2014, 7, 2050-2059.	4.7	33
2648	Physiological and transcriptional responses of <i>Baccharis halimifolia</i> to the explosive α -composition Bâ€• (RDX/TNT) in amended soil. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8261-8270.	5.3	21
2649	Silencing of the tomato Sugar Partitioning Affecting protein (<i>SPA</i>) modifies sink strength through a shift in leaf sugar metabolism. <i>Plant Journal</i> , 2014, 77, 676-687.	5.7	28
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2651	Photosystem II activity of typical desert plant <i>Alhagi sparsifolia</i> Sharp.: response to exposure to natural light after being kept in shade. <i>Trees - Structure and Function</i> , 2014, 28, 545-554.	1.9	2
2652	Accumulation of heavy metals using <i>Sorghum</i> sp.. <i>Chemosphere</i> , 2014, 104, 15-24.	8.2	101
2653	Morphological and physiological analysis of narrow and striped leaf 1 (<i>ns1</i>) mutant of rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT/Overlogk 10 Tf 50	1.7	2
2654	Influence of mevinolin on chloroplast terpenoids in <i>Cannabis sativa</i> . <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 273-277.	3.1	15
2655	Overexpression of rice <i>OsREX1-S</i> , encoding a putative component of the core general transcription and DNA repair factor IIH, renders plant cells tolerant to cadmium- and UV-induced damage by enhancing DNA excision repair. <i>Planta</i> , 2014, 239, 1101-1111.	3.2	9
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2658	Physiological and phytochemical responses of three nutrient-stressed bulbous plants subjected to vermicompost leachate treatment. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 721-731.	2.1	31
2659	Response of <i>Pteris vittata</i> to different cadmium treatments. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 767-775.	2.1	39
2660	Photosynthetic responses of sun- and shade-grown barley leaves to high light:Â¿is the lower PSII connectivity in shade leaves associated with protection against excess of light?. <i>Photosynthesis Research</i> , 2014, 119, 339-354.	2.9	219
2661	Bioaccumulation, subcellular, and molecular localization and damage to physiology and ultrastructure in <i>Nymphoides peltata</i> (Gmel.) O. Kuntze exposed to yttrium. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2935-2942.	5.3	42
2662	Influence of germination date on <i>Dioon edule</i> (Zamiaceae) seedling tolerance to water stress. <i>Journal of Plant Research</i> , 2014, 127, 413-422.	2.4	12
2663	Identification and validation of sugarcane streak mosaic virus-encoded microRNAs and their targets in sugarcane. <i>Plant Cell Reports</i> , 2014, 33, 265-276.	5.6	29
2664	Cadmium and lead interactive effects on oxidative stress and antioxidative responses in rice seedlings. <i>Protoplasma</i> , 2014, 251, 1047-1065.	2.1	172
2665	Delayed expression of SAGs correlates with longevity in CMS wheat plants compared to its fertile plants. <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 191-199.	3.1	12
2666	Photoperiod and plant growth regulator combinations influence growth and physiological responses in <i>Pelargonium sidoides</i> DC.. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 487-492.	2.1	9
2667	Exogenous 24-epibrassinolide ameliorates high temperature-induced inhibition of growth and photosynthesis in <i>Cucumis melo</i> . <i>Biologia Plantarum</i> , 2014, 58, 311-318.	1.9	38
2668	A spectrophotometric method for plant pigments determination and herbs classification. <i>Chemical Papers</i> , 2014, 68, .	2.2	12
2669	Impact of urban anthropogenic pollution on seed production, morphological and biochemical characteristics of chamomile, <i>Matricaria chamomila</i> L.. <i>Russian Journal of Ecology</i> , 2014, 45, 18-23.	0.9	7
2670	Influence of furostanol glycosides treatments on strawberry (<i>Fragaria</i> — <i>ananassa</i> Duch.) growth and photosynthetic characteristics under drought condition. <i>Scientia Horticulturae</i> , 2014, 169, 179-188.	3.6	12
2671	Closely related freshwater macrophyte species, <i>Ceratophyllum demersum</i> and <i>C. submersum</i> , differ in temperature response. <i>Freshwater Biology</i> , 2014, 59, 777-788.	2.4	7
2672	Trade-off between leaf turnover and biochemical responses related to drought tolerance in desert woody plants. <i>Journal of Arid Environments</i> , 2014, 103, 107-113.	2.4	5
2673	Insights into the industrial growth of cyanobacteria from a model of the carbonâ€concentrating mechanism. <i>AIChE Journal</i> , 2014, 60, 1269-1277.	3.6	18
2674	Nitrogen stress triggered biochemical and morphological changes in the microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2014, 156, 146-154.	9.6	363

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2676	Physiological and related anthocyanin biosynthesis genes responses induced by cadmium stress in a new colored-leaf plant "Quanhong Poplar". <i>Agroforestry Systems</i> , 2014, 88, 343-355.	2.0	14
2677	Zinc tolerance and accumulation in the halophytic species <i>Juncus acutus</i> . <i>Environmental and Experimental Botany</i> , 2014, 100, 114-121.	4.2	51
2678	Exogenous jasmonic acid can enhance tolerance of wheat seedlings to salt stress. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 202-208.	6.0	333
2679	Effect of lanthanum(III) on the production of ethylene and reactive oxygen species in soybean seedlings exposed to the enhanced ultraviolet-B radiation. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 152-159.	6.0	13
2680	Metallothionein deficiency impacts copper accumulation and redistribution in leaves and seeds of <i>Arabidopsis</i> . <i>New Phytologist</i> , 2014, 202, 940-951.	7.3	83
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2682	Differential Expression of Proteins in Response to Molybdenum Deficiency in Winter Wheat Leaves Under Low-Temperature Stress. <i>Plant Molecular Biology Reporter</i> , 2014, 32, 1057-1069.	1.8	26
2683	Reduced glutamine synthetase activity plays a role in control of photosynthetic responses to high light in barley leaves. <i>Plant Physiology and Biochemistry</i> , 2014, 81, 74-83.	5.8	56
2684	Use of introgression lines to determine the ecophysiological basis for changes in water use efficiency and yield in California processing tomatoes. <i>Functional Plant Biology</i> , 2014, 41, 119.	2.1	13
2685	Differential cadmium and zinc distribution in relation to their physiological impact in the leaves of the accumulating <i>Zygophyllum fabago</i> . <i>Plant, Cell and Environment</i> , 2014, 37, 1299-1320.	5.7	75
2686	Evaluation of abiotic stress tolerance and physiological characteristics of potato (<i>Solanum</i>) TJ ETQq1 1 0.784314 rgBT /Overlock 10 T. <i>Reports</i> , 2014, 8, 295-304.	1.5	9
2687	Genotypic variability for antioxidant and quality parameters among tomato cultivars, hybrids, cherry tomatoes and wild species. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 993-999.	3.5	62
2688	Tomato GOLDEN2-LIKE Transcription Factors Reveal Molecular Gradients That Function during Fruit Development and Ripening. <i>Plant Cell</i> , 2014, 26, 585-601.	6.6	193
2689	Overexpression of Sadenosylmethionine synthetase increased tomato tolerance to alkali stress through polyamine metabolism. <i>Plant Biotechnology Journal</i> , 2014, 12, 694-708.	8.3	116
2690	Effects of nitrogen on the activity of antioxidant enzymes and gene expression in leaves of <i>Populus</i> plants subjected to cadmium stress. <i>Journal of Plant Interactions</i> , 2014, 9, 599-609.	2.1	33
2691	Phragmites sp. physiological changes in a constructed wetland treating an effluent contaminated with a diazo dye (DR81). <i>Environmental Science and Pollution Research</i> , 2014, 21, 9626-9643.	5.3	15
2692	Removal of emerging micropollutants from water using cyclodextrin. <i>Science of the Total Environment</i> , 2014, 485-486, 711-719.	8.0	61

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2693	Long-term sulphur starvation of <i>Arabidopsis thaliana</i> modifies mitochondrial ultrastructure and activity and changes tissue energy and redox status. <i>Journal of Plant Physiology</i> , 2014, 171, 549-558.	3.5	21
2694	Fouling-Resistant Behavior of Silver Nanoparticle-Modified Surfaces against the Bioadhesion of Microalgae. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3829-3838.	8.0	71
2695	The potential of leaf chlorophyll content to screen bread-wheat genotypes in saline condition. <i>Photosynthetica</i> , 2014, 52, 288-300.	1.7	26
2696	Long term intermittent flooding stress affects plant growth and inulin synthesis of <i>Cichorium intybus</i> (var. <i>sativum</i>). <i>Plant and Soil</i> , 2014, 376, 291-305.	3.7	20
2697	Silicon nutrition potentiates the antioxidant metabolism of rice plants under iron toxicity. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 493-502.	2.1	37
2698	Genotypic-dependent alteration in transcriptional expression of various CAT isoenzyme genes in esl mutant rice and its relation to H ₂ O ₂ -induced leaf senescence. <i>Plant Growth Regulation</i> , 2014, 73, 237-248.	3.4	10
2699	Optimizing LUT-Based RTM Inversion for Semiautomatic Mapping of Crop Biophysical Parameters from Sentinel-2 and -3 Data: Role of Cost Functions. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 257-269.	6.3	97
2700	Identifying novel salt-tolerant genes from <i>Dunaliella salina</i> using a <i>Haematococcus pluvialis</i> expression system. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 113-124.	2.3	14
2701	Effect of low dose of spermidine on physiological changes in salt-stressed cucumber plants. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 90-96.	1.1	20
2702	Assessing gas exchange, sap flow and water relations using tree canopy spectral reflectance indices in irrigated and rainfed <i>Olea europaea</i> L.. <i>Environmental and Experimental Botany</i> , 2014, 99, 43-52.	4.2	75
2703	Expression of <i>Arabidopsis</i> glycine-rich RNA-binding protein AtGRP2 or AtGRP7 improves grain yield of rice (<i>Oryza sativa</i>) under drought stress conditions. <i>Plant Science</i> , 2014, 214, 106-112.	3.6	81
2704	The efficiency of combined CaO/electrochemical treatment in removal of acid mine drainage induced toxicity and genotoxicity. <i>Science of the Total Environment</i> , 2014, 466-467, 84-89.	8.0	26
2705	Pump up the volume - a central role for the plasma membrane H ⁺ pump in pollen germination and tube growth. <i>Protoplasma</i> , 2014, 251, 477-488.	2.1	28
2706	Phytoremediation of Phenanthrene by Transgenic Plants Transformed with a Naphthalene Dioxygenase System from <i>Pseudomonas</i> . <i>Environmental Science & Technology</i> , 2014, 48, 12824-12832.	10.0	53
2707	Simultaneous increases in specific growth rate and specific lipid content of <i>Chlorella vulgaris</i> through UV-induced reactive species. <i>Biotechnology Progress</i> , 2014, 30, 291-299.	2.6	11
2708	The <i>Arabidopsis thaliana</i> RNA Editing Factor SLO2, which Affects the Mitochondrial Electron Transport Chain, Participates in Multiple Stress and Hormone Responses. <i>Molecular Plant</i> , 2014, 7, 290-310.	8.3	99
2709	Growth and metabolism of onion seedlings as affected by the application of humic substances, mycorrhizal inoculation and elevated CO ₂ . <i>Scientia Horticulturae</i> , 2014, 180, 227-235.	3.6	50
2710	Response of apple (<i>Malus domestica</i> Borkh.) fruit peel photosystems to heat stress coupled with moderate photosynthetic active radiation at different fruit developmental stages. <i>Scientia Horticulturae</i> , 2014, 178, 154-162.	3.6	5

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2711	Dimethoate modifies enhanced UV-B effects on growth, photosynthesis and oxidative stress in mung bean (<i>Vigna radiata</i> L.) seedlings: Implication of salicylic acid. <i>Pesticide Biochemistry and Physiology</i> , 2014, 116, 13-23.	3.6	47
2712	Production of algal biomass, chlorophyll, starch and lipids using aquaculture wastewater under axenic and non-axenic conditions. <i>Algal Research</i> , 2014, 6, 152-159.	4.6	61
2713	Perturbed porphyrin biosynthesis contributes to differential herbicidal symptoms in photodynamically stressed rice (<i>Oryza sativa</i>) treated with 5-aminolevulinic acid and oxyfluorfen. <i>Pesticide Biochemistry and Physiology</i> , 2014, 116, 103-110.	3.6	13
2714	Effect of Heat Stress on the Photosynthetic Characteristics in Flag Leaves at the Grain-Filling Stage of Different Heat-Resistant Winter Wheat Varieties. <i>Journal of Agronomy and Crop Science</i> , 2014, 200, 143-155.	3.5	159
2715	Physiological mechanisms of enhancing salt tolerance of oilseed rape plants with brassinosteroids. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 733-743.	1.1	34
2716	Poplar GATA transcription factor PdGNC is capable of regulating chloroplast ultrastructure, photosynthesis, and vegetative growth in <i>Arabidopsis</i> under varying nitrogen levels. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 119, 313-327.	2.3	29
2717	Protective effects of complementary Ca ²⁺ on low-light-induced oxidative damage in tall fescue. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 818-827.	1.1	6
2718	Zinc exposure has differential effects on uptake and metabolism of sulfur and nitrogen in Chinese cabbage. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 748-757.	1.9	17
2719	Differences in physiological characteristics between two wheat cultivars exposed to field water deficit conditions. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 451-459.	1.1	26
2720	Physiological responses of <i>Plantago media</i> to electromagnetic field of power-line frequency (50 Hz). <i>Russian Journal of Plant Physiology</i> , 2014, 61, 484-488.	1.1	3
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2722	A novel inhibitor of cytokinin degradation (INCYDE) influences the biochemical parameters and photosynthetic apparatus in NaCl-stressed tomato plants. <i>Planta</i> , 2014, 240, 877-889.	3.2	30
2723	Antagonistic interaction of selenomethionine enantiomers on methylmercury toxicity in the microalgae <i>Chlorella sorokiniana</i> . <i>Metallomics</i> , 2014, 6, 347.	2.4	15
2724	Metabolic engineering of <i>Arabidopsis</i> for remediation of different polycyclic aromatic hydrocarbons using a hybrid bacterial dioxygenase complex. <i>Metabolic Engineering</i> , 2014, 26, 100-110.	7.0	29
2725	The alleviating effects of selenium and salicylic acid in salinity exposed soybean. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 3199-3205.	2.1	53
2726	Transcriptome responses involved in artemisinin production in <i>Artemisia annua</i> L. under UV-B radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 140, 292-300.	3.8	55
2727	The phenotype of grape leaves caused by acetochlor or fluoroglycofen, and effects of latter herbicide on grape leaves. <i>Pesticide Biochemistry and Physiology</i> , 2014, 114, 102-107.	3.6	8
2728	Gene regulatory cascade of senescence-associated NAC transcription factors activated by ETHYLENE-INSENSITIVE2-mediated leaf senescence signalling in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 4023-4036.	4.8	245

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2729	Effects of humic acid derived from sediments on growth, photosynthesis and chloroplast ultrastructure in chrysanthemum. <i>Scientia Horticulturae</i> , 2014, 177, 118-123.	3.6	78
2730	Mitogen-activated protein kinase 6 regulates NPR1 gene expression and activation during leaf senescence induced by salicylic acid. <i>Journal of Experimental Botany</i> , 2014, 65, 6513-6528.	4.8	81
2731	Anatomical alterations of <i>Paspalum haseolus</i> vulgaris <i>L.</i> mature leaves irradiated with X-rays. <i>Plant Biology</i> , 2014, 16, 187-193.	3.8	31
2732	Effects of inorganic nitrogen form on growth, morphology, N uptake, and nutrient allocation in hybrid Napier grass (<i>Pennisetum purpureum</i> L. Pennisetum americanum cv. Pakchong1). <i>Ecological Engineering</i> , 2014, 73, 653-658.	3.6	15
2733	Effects of supplementary potassium nitrate on growth and gas-exchange characteristics of salt-stressed citrus seedlings. <i>Photosynthetica</i> , 2014, 52, 589-596.	1.7	21
2734	Phenotypic plasticity of invasive <i>Spartina densiflora</i> (Poaceae) along a broad latitudinal gradient on the Pacific Coast of North America. <i>American Journal of Botany</i> , 2014, 101, 448-458.	1.7	45
2735	Effects of CO ₂ enrichment on photosynthesis and growth in <i>Gerbera jamesonii</i> . <i>Scientia Horticulturae</i> , 2014, 177, 77-84.	3.6	38
2736	Effects of different media composition, light intensity and photoperiod on morphology and physiology of freshwater microalgae <i>Ankistrodesmus falcatus</i> A potential strain for bio-fuel production. <i>Bioresource Technology</i> , 2014, 171, 367-374.	9.6	208
2737	Effects of biochar on photosynthesis and antioxidative system of <i>Malus hupehensis</i> Rehd. seedlings under replant conditions. <i>Scientia Horticulturae</i> , 2014, 175, 9-15.	3.6	109
2738	Impact of UV-A radiation on the performance of aphids and whiteflies and on the leaf chemistry of their host plants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 138, 307-316.	3.8	36
2739	Physiological and biochemical responses of Semillon and Muscat Blanc à Petits Grains winegrapes grown under Mediterranean climate. <i>Scientia Horticulturae</i> , 2014, 175, 128-138.	3.6	19
2740	Photosynthesis, chlorophyll fluorescence characteristics, and chlorophyll content of soybean seedlings under combined stress of bisphenol A and cadmium. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2455-2462.	4.3	69
2741	Physiological and molecular responses to drought stress in rubber tree (<i>Hevea brasiliensis</i> Muell.) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2</i>	5.8	66
2742	Achieving solar overall water splitting with hybrid photosystems of photosystem II and artificial photocatalysts. <i>Nature Communications</i> , 2014, 5, 4647.	12.8	151
2743	Water stress and abscisic acid treatments induce the CAM pathway in the epiphytic fern <i>Vittaria lineata</i> (L.) Smith. <i>Photosynthetica</i> , 2014, 52, 404-412.	1.7	15
2744	Impacts of rising tropospheric ozone on photosynthesis and metabolite levels on field grown soybean. <i>Plant Science</i> , 2014, 226, 147-161.	3.6	45
2745	Impacts of elevated ozone on growth and photosynthesis of <i>Metasequoia glyptostroboides</i> Hu et Cheng. <i>Plant Science</i> , 2014, 226, 182-188.	3.6	24
2746	Effect of lead on phytotoxicity, growth, biochemical alterations and its role on genomic template stability in <i>Sesbania grandiflora</i> : A potential plant for phytoremediation. <i>Ecotoxicology and Environmental Safety</i> , 2014, 108, 249-257.	6.0	94

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2748	Excess Nickel Modulates Oxidative Stress Responsive Enzymes in Groundnut. <i>Journal of Plant Nutrition</i> , 2014, 37, 1433-1440.	1.9	4
2749	Phytochrome-interacting transcription factors PIF4 and PIF5 induce leaf senescence in Arabidopsis. <i>Nature Communications</i> , 2014, 5, 4636.	12.8	375
2750	Simultaneous application of salicylic acid and calcium improves salt tolerance in two contrasting tomato (<i>Solanum lycopersicum</i>) cultivars. <i>South African Journal of Botany</i> , 2014, 95, 32-39.	2.5	69
2751	Ammonium tolerance and toxicity of <i>Actinoscirpus grossus</i> – A candidate species for use in tropical constructed wetland systems. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 319-328.	6.0	13
2752	Minimizing Measurement Uncertainties of Coniferous Needle-Leaf Optical Properties. Part II: Experimental Setup and Error Analysis. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 406-420.	4.9	40
2753	Effect of NaCl and isoosmotic polyethylene glycol stress on gas exchange in shoots of the C ₄ xerohalophyte <i>Haloxylon aphyllum</i> (Chenopodiaceae). <i>Photosynthetica</i> , 2014, 52, 437-443.	1.7	8
2754	Evaluation of Di-1-p-Menthene as Antiozonant on Bel-W3 Tobacco Plants, as Compared with Ethylenediurea. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	21
2755	Responses of pigmentation and $\delta^{13}C$ in Qilian juniper to cold and drought stresses under natural conditions in the Qilian Mountains, China. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2211-2218.	2.1	3
2756	The toxicity of cerium nitrate to <i>Elodea canadensis</i> : subcellular distribution, chemical forms and physiological effects. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2491-2499.	2.1	8
2757	Development of Zinc Nanofertilizer to Enhance Crop Production in Pearl Millet (<i>Pennisetum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 T	1.7	305
2758	Monitoring plant response to phenanthrene using the red edge of canopy hyperspectral reflectance. <i>Marine Pollution Bulletin</i> , 2014, 86, 332-341.	5.0	29
2759	Acclimation of Microalgae to Wastewater Environments Involves Increased Oxidative Stress Tolerance Activity. <i>Plant and Cell Physiology</i> , 2014, 55, 1848-1857.	3.1	99
2760	Effect of Pulsed Electric Field Treatments on Permeabilization and Extraction of Pigments from <i>Chlorella vulgaris</i> . <i>Journal of Membrane Biology</i> , 2014, 247, 1269-1277.	2.1	112
2761	Photoprotection by foliar anthocyanins mitigates effects of boron toxicity in sweet basil (<i>Ocimum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 T	3.2	86
2762	Strigolactone signaling regulates rice leaf senescence in response to a phosphate deficiency. <i>Planta</i> , 2014, 240, 399-408.	3.2	171
2763	Conservation of functional traits leads to shrub expansion across a chronosequence of shrub thicket development. <i>Trees - Structure and Function</i> , 2014, 28, 849-858.	1.9	7
2764	The expression of BrMDHAR gene in chloroplasts and mitochondria enhances tolerance to freezing stress in <i>Arabidopsis thaliana</i> . <i>Biologia Plantarum</i> , 2014, 58, 456-468.	1.9	4

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2766	A sulfated galactan from the mucilaginous sheath of the red filamentous alga <i>Chroodactylon ornatum</i> (Stylonematophyceae, Rhodophyta). <i>Journal of Applied Phycology</i> , 2014, 26, 1801-1811.	2.8	6
2767	Overexpression of a peroxiredoxin Q gene, <i>SsPrxQ</i> , in <i>Eustoma grandiflorum</i> Shinn enhances its tolerance to salt and high light intensity. <i>Molecular Breeding</i> , 2014, 33, 657-667.	2.1	14
2768	Accumulation of photosynthetic pigments in <i>Larix decidua</i> Mill. and <i>Picea abies</i> (L.) Karst. cotyledons treated with 5-aminolevulinic acid under different irradiation. <i>Photosynthetica</i> , 2014, 52, 203-210.	1.7	2
2769	Growth and photosynthetic responses of soybean seedlings to maize shading in relay intercropping system in Southwest China. <i>Photosynthetica</i> , 2014, 52, 332-340.	1.7	67
2770	Marine natural pigments: Chemistry, distribution and analysis. <i>Dyes and Pigments</i> , 2014, 111, 124-134.	3.7	48
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2772	Relationship of IAD index to internal quality attributes of apples treated with 1-methylcyclopropene and stored in air or controlled atmospheres. <i>Postharvest Biology and Technology</i> , 2014, 91, 90-95.	6.0	28
2773	Effects of silicon on <i>Zea mays</i> plants exposed to water and oxygen deficiency. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 460-466.	1.1	25
2774	Biochemical and standard toxic effects of acetaminophen on the macrophyte species <i>Lemna minor</i> and <i>Lemna gibba</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 10815-10822.	5.3	49
2775	Overexpression of heat shock protein gene <i>PfHSP21.4</i> in <i>Arabidopsis thaliana</i> enhances heat tolerance. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1555-1564.	2.1	25
2776	Light Intensity Alters the Extent of Arsenic Toxicity in <i>Helianthus annuus</i> L. Seedlings. <i>Biological Trace Element Research</i> , 2014, 158, 410-421.	3.5	45
2777	Impact of the past mining activity in RoÅŃia MontanÅŃf (Romania) on soil and vegetation. <i>Environmental Earth Sciences</i> , 2014, 72, 4653-4666.	2.7	10
2778	Shoot growth and physiological disorder of cut rose "charming black"™ as affected by drought stress during nocturnal supplemental lighting. <i>Horticulture Environment and Biotechnology</i> , 2014, 55, 91-96.	2.1	7
2779	Chlorophyll fluorescence induction, chlorophyll content, and chromaticity characteristics of leaves as indicators of photosynthetic apparatus senescence in arboreous plants. <i>Biochemistry (Moscow)</i> , 2014, 79, 260-272.	1.5	18
2780	The size of the light-harvesting antenna of higher plant photosystem ii is regulated by illumination intensity through transcription of antenna protein genes. <i>Biochemistry (Moscow)</i> , 2014, 79, 520-523.	1.5	14
2781	The role of pigment system of an evergreen dwarf shrub <i>Ephedra monosperma</i> in adaptation to the climate of Central Yakutia. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 246-254.	1.1	13
2782	Seasonal ecophysiology of an endangered coastal species, the yellow-horned poppy (<i>Glaucium flavum</i>) TJ ETQq1 1 0.784314 f gBT /Over	0.9	0

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2786	Insight into the photosynthetic apparatus in evergreen and deciduous European oaks during autumn senescence using OJIP fluorescence transient analysis. <i>Plant Biology</i> , 2014, 16, 801-808.	3.8	39
2787	Comparative Study of Substrate-Based and Commercial Formulations of Arbuscular Mycorrhizal Fungi in Romaine Lettuce Subjected to Salt Stress. <i>Journal of Plant Nutrition</i> , 2014, 37, 1717-1731.	1.9	10
2788	Growth, photosynthesis and oxidative responses of <i>Solanum melongena</i> L. seedlings to cadmium stress: Mechanism of toxicity amelioration by kinetin. <i>Scientia Horticulturae</i> , 2014, 176, 1-10.	3.6	106
2789	Zinc and Sulfur Effects on Growth and Nutrient Concentrations in Rocket. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1831-1839.	1.4	6
2790	Biomarker responses to sewage pollution in freshwater mussels (<i>Diplodon chilensis</i>) transplanted to a Patagonian river. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1276-1285.	1.7	11
2791	Changes in the concentration of organic acids in roots and leaves of carob-tree under Fe deficiency. <i>Functional Plant Biology</i> , 2014, 41, 496.	2.1	15
2792	Overexpression of monoubiquitin improves photosynthesis in transgenic tobacco plants following high temperature stress. <i>Plant Science</i> , 2014, 226, 92-100.	3.6	22
2793	Galactoglucomannan oligosaccharides alleviate cadmium stress in Arabidopsis. <i>Journal of Plant Physiology</i> , 2014, 171, 518-524.	3.5	13
2794	Uranium uptake in <i>Nicotiana</i> sp. under hydroponic conditions. <i>Journal of Geochemical Exploration</i> , 2014, 142, 130-137.	3.2	20
2795	Effect of Salinity on Zinc uptake by <i>Brassica juncea</i> . <i>International Journal of Phytoremediation</i> , 2014, 16, 704-718.	3.1	14
2796	Steric and electronic contributions to the core reactivity of monoprotonated 5-phenylporphyrin: A DFT study. <i>Chemical Physics Letters</i> , 2014, 603, 21-27.	2.6	12
2797	Growth, developmental, and physiological responses of two sweetpotato (<i>Ipomoea batatas</i> L. [Lam]) cultivars to early season soil moisture deficit. <i>Scientia Horticulturae</i> , 2014, 168, 218-228.	3.6	45
2798	Coordinated transcriptional regulation of isopentenyl diphosphate biosynthetic pathway enzymes in plastids by phytochrome-interacting factor 5. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 768-774.	2.1	28
2799	High temperatures limit plant growth but hasten flowering in root chicory (<i>Cichorium intybus</i>) independently of vernalisation. <i>Journal of Plant Physiology</i> , 2014, 171, 109-118.	3.5	21
2800	Plant adaptation to extreme environments: The example of <i>Cistus salviifolius</i> of an active geothermal alteration field. <i>Comptes Rendus - Biologies</i> , 2014, 337, 101-110.	0.2	13

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2802	Health status and bioremediation capacity of wild freshwater mussels (<i>Diplodon chilensis</i>) exposed to sewage water pollution in a glacial Patagonian lake. <i>Fish and Shellfish Immunology</i> , 2014, 37, 268-277.	3.6	26
2803	Maturity prediction of intact bell peppers by sensor fusion. <i>Computers and Electronics in Agriculture</i> , 2014, 104, 9-17.	7.7	29
2804	Effects of salinity on anatomical features and physiology of a semi-mangrove plant <i>Myoporum bontiodes</i> . <i>Marine Pollution Bulletin</i> , 2014, 85, 738-746.	5.0	11
2805	Exposure to cadmium causes declines in growth and photosynthesis in the endangered aquatic fern (<i>Ceratopteris pteridoides</i>). <i>Aquatic Botany</i> , 2014, 112, 23-32.	1.6	83
2806	Morphological and physiological acclimations of coffee seedlings to growth over a range of fixed or changing light supplies. <i>Environmental and Experimental Botany</i> , 2014, 102, 1-10.	4.2	29
2807	Maize growth and developmental responses to temperature and ultraviolet-B radiation interaction. <i>Photosynthetica</i> , 2014, 52, 262-271.	1.7	19
2808	<i>Arabidopsis</i> WRKY57 Functions as a Node of Convergence for Jasmonic Acid and Auxin-Mediated Signaling in Jasmonic Acid-Induced Leaf Senescence. <i>Plant Cell</i> , 2014, 26, 230-245.	6.6	375
2809	Tetracycline accumulates in <i>Scheuchzeria palustris</i> through apoplastic transport inducing oxidative stress and growth inhibition. <i>Plant Biology</i> , 2014, 16, 792-800.	3.8	65
2810	Toward a Semiautomatic Machine Learning Retrieval of Biophysical Parameters. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 1249-1259.	4.9	98
2811	Salt tolerance is related to a specific antioxidant response in the halophyte cordgrass, <i>Spartina densiflora</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2014, 146, 68-75.	2.1	20
2812	Starch and sugar accumulation in <i>Sulla carnosa</i> leaves upon Mg ²⁺ starvation. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2157-2165.	2.1	21
2813	<i>Apocynum venetum</i> : A newly found lithium accumulator. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2014, 209, 285-289.	1.2	26
2814	Effects of long-term herbivore exclusion on the preservation of <i>Thymus albicans</i> , an endangered endemic Mediterranean species. <i>Ecological Engineering</i> , 2014, 70, 43-49.	3.6	2
2815	Plant degreening: evolution and expression of tomato (<i>Solanum lycopersicum</i>) dephytylation enzymes. <i>Gene</i> , 2014, 546, 359-366.	2.2	17
2816	Fine mapping of the lesion mimic and early senescence 1 (<i>lmes1</i>) in <i>Rice</i> (<i>Oryza sativa</i>). <i>Plant Physiology and Biochemistry</i> , 2014, 80, 300-307.	5.8	37
2817	Effects of elevated O ₃ exposure on seed yield, N concentration and photosynthesis of nine soybean cultivars (<i>Glycine max</i> (L.) Merr.) in Northeast China. <i>Plant Science</i> , 2014, 226, 172-181.	3.6	43
2818	In vitro storage under slow growth and ex vitro acclimatization of the ornamental bromeliad <i>Acanthostachys strobilacea</i> . <i>South African Journal of Botany</i> , 2014, 92, 39-43.	2.5	18

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2820	Effect of Different Drying Methods on Physical and Chemical Attributes of Blanched Green Bell Pepper. <i>Food Science and Technology Research</i> , 2014, 20, 775-783.	0.6	2
2821	Blanching and the Effect of Microwaving on Constituent Changes in Broccoli. <i>Journal of the Japanese Society for Food Science and Technology</i> , 2014, 61, 278-285.	0.1	1
2822	Plant Growth Regulator and Soil Surfactants™ Effects on Saline and Deficit Irrigated Warm Season Grasses: II. Pigment Content and Superoxide Dismutase Activity. <i>Crop Science</i> , 2014, 54, 2827-2836.	1.8	10
2823	Storage of yerba mate in controlled atmosphere. <i>Ciencia Rural</i> , 2014, 44, 740-745.	0.5	3
2824	Cytogenetic Effects of Crude Extracts of <i>Peganum harmala</i> Seeds and Their Effects on <i>Vicia faba</i> Plants. <i>Cytologia</i> , 2014, 79, 161-172.	0.6	2
2825	Inversion of chlorophyll contents by use of hyperspectral CHRIS data based on radiative transfer model. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 17, 012073.	0.3	3
2826	Manipulating the antioxidant capacity of halophytes to increase their cultural and economic value through saline cultivation. <i>AoB PLANTS</i> , 2014, 6, plu046-plu046.	2.3	68
2827	Preadaptation and post-introduction evolution facilitate the invasion of <i>Phragmites australis</i> in North America. <i>Ecology and Evolution</i> , 2014, 4, 4567-4577.	1.9	38
2828	Exogenous nitric oxide alleviates shade-induced oxidative stress in tall fescue (<i>Festuca</i>) Tj ETQq1 1 0.784314 rgBTJ /Overlock 10 Tf 50	1.9	17
2829	The study of oxygen reduction in photosystem I of higher plants using electron donors for this photosystem in intact thylakoids. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2015, 9, 246-251.	0.6	5
2830	Effect of <i>Glomus aggregatum</i> on photosynthetic function of snap bean in response to elevated ozone. <i>Journal of Agricultural Science</i> , 2015, 153, 837-852.	1.3	9
2831	Nutrient Removal of POME Using POME Isolated Microalgae Strain, <i>Characium</i> sp.. <i>Advanced Materials Research</i> , 0, 1113, 364-369.	0.3	9
2832	Species-specific effects of the invasive <i>Hieracium pilosella</i> in Magellanic steppe grasslands are driven by nitrogen cycle changes. <i>Plant and Soil</i> , 2015, 397, 175-187.	3.7	11
2833	High resource-capture and -use efficiency, and effective antioxidant protection contribute to the invasiveness of <i>Alnus formosana</i> plants. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 436-447.	5.8	13
2834	Residual phytotoxicity of parthenium: Impact on some winter crops, weeds and soil properties. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 352-359.	6.0	13
2835	Hydrogen-rich water-alleviated ultraviolet-B-triggered oxidative damage is partially associated with the manipulation of the metabolism of (iso)flavonoids and antioxidant defence in <i>Medicago sativa</i> . <i>Functional Plant Biology</i> , 2015, 42, 1141.	2.1	49
2836	Protein pattern of canola (<i>Brassica napus</i> L.) changes in response to salt and salicylic acid in vitro. <i>Biological Letters</i> , 2015, 52, 19-36.	0.6	10

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2837	Comparing the effects of excess copper in the leaves of <i>Brassica juncea</i> (L. Czern) and <i>Brassica napus</i> (L.) seedlings: Growth inhibition, oxidative stress and photosynthetic damage. <i>Acta Biologica Hungarica</i> , 2015, 66, 205-221.	0.7	39
2838	Overexpression of GbRLK, a putative receptor-like kinase gene, improved cotton tolerance to <i>Verticillium</i> wilt. <i>Scientific Reports</i> , 2015, 5, 15048.	3.3	63
2839	Cyanobacterial Alkanes Modulate Photosynthetic Cyclic Electron Flow to Assist Growth under Cold Stress. <i>Scientific Reports</i> , 2015, 5, 14894.	3.3	49
2840	Morpho-anatomical and physiological traits of <i>Agrostis castellana</i> living in an active geothermal alteration field. <i>Biologia (Poland)</i> , 2015, 70, 744-752.	1.5	3
2841	Vegetation Index to estimate chlorophyll content from multispectral remote sensing data. <i>European Journal of Remote Sensing</i> , 2015, 48, 319-326.	3.5	27
2842	Similarities and differences in wheat plant responses to low temperature and cadmium. <i>Biology Bulletin</i> , 2015, 42, 508-514.	0.5	2
2843	Reduced grain chalkiness and its possible physiological mechanism in transgenic rice overexpressing l-GalLDH. <i>Crop Journal</i> , 2015, 3, 125-134.	5.2	8
2844	Altered levels of <i>LIL3</i> isoforms in <i>Arabidopsis</i> lead to disturbed pigmentâ€protein assembly and chlorophyll synthesis, chlorotic phenotype and impaired photosynthetic performance. <i>Plant, Cell and Environment</i> , 2015, 38, 2115-2127.	5.7	24
2845	Nuclear-localized AtHSPR links abscisic acid-dependent salt tolerance and antioxidant defense in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2015, 84, 1274-1294.	5.7	51
2846	A bulk segregant transcriptome analysis reveals metabolic and cellular processes associated with Orange allelic variation and fruit Î²-carotene accumulation in melon fruit. <i>BMC Plant Biology</i> , 2015, 15, 274.	3.6	58
2847	Effect of Air-Drying Temperature on the Quality and Bioactive Characteristics of Dried Galega Kale (<i>Brassica oleracea</i> L. var. <i>Acephala</i>). <i>Journal of Food Processing and Preservation</i> , 2015, 39, 2485-2496.	2.0	43
2848	Use of calcium chloride in postharvest treatment of <i>Alstroemeria</i> cut flowers. <i>Acta Horticulturae</i> , 2015, , 267-272.	0.2	3
2849	Effect of UV-C Radiation on Resistance of Romaine Lettuce (<i>Lactuca sativa</i> L.) Against <i>Botrytis cinerea</i> and <i>Sclerotinia minor</i> . <i>Journal of Phytopathology</i> , 2015, 163, 578-582.	1.0	16
2850	Effect of Different Thawing Conditions on the Concentration of Bioactive Substances in Broccoli (<i>Brassica oleracea</i> var. <i>Avenger</i>). <i>Journal of Food Processing and Preservation</i> , 2015, 39, 2673-2679.	2.0	2
2851	Protease Inhibitors Cause Necrotic Cell Death in <i>Chlamydomonas reinhardtii</i> by Inducing the Generation of Reactive Oxygen Species. <i>Journal of Eukaryotic Microbiology</i> , 2015, 62, 711-721.	1.7	5
2852	Application of UV-C Radiation in the Conservation of Minimally Processed Rocket (<i>Eruca sativa</i> Mill.). <i>Journal of Food Processing and Preservation</i> , 2015, 39, 3117-3127.	2.0	15
2853	<i>LcBiP</i> , a endoplasmic reticulum chaperone binding protein gene from <i>Lycium chinense</i> , confers cadmium tolerance in transgenic tobacco. <i>Biotechnology Progress</i> , 2015, 31, 358-368.	2.6	18
2854	Combined effects of girdling and leaf removal on fluorescence characteristic of <i>Alhagi sparsifolia</i> leaf senescence. <i>Plant Biology</i> , 2015, 17, 980-989.	3.8	18

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2855	The effect of lichen-dominated biological soil crusts on growth and physiological characteristics of three plant species in a temperate desert of northwest China. <i>Plant Biology</i> , 2015, 17, 1165-1175.	3.8	21
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2864	Effects of orange by-product fiber incorporation on the functional and technological properties of pasta. <i>Food Science and Technology</i> , 2015, 35, 546-551.	1.7	31
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2866	Effect of Different Concentrations of Nickel on Some secondary metabolites in Coriander (<i>Coriandrum Sativum</i> L.). <i>International Journal of Life Sciences</i> , 2015, 9, 28-32.	0.2	0
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2869	Physiological Response to Different Irradiation Regimes during Barley Seedlings Growth Followed by Drought Stress under Non-Photoinhibitory Light. <i>Journal of Agricultural Science</i> , 2015, 7, .	0.2	4
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2884	Effects of Cement Dust on the Physiological Activities of <i>Arabidopsis thaliana</i>. <i>American Journal of Agricultural and Biological Science</i> , 2015, 10, 157-164.	0.4	7
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2888	A Study on Cadmium Phytoremediation Potential of Indian Mustard, <i>Brassica juncea</i>. <i>International Journal of Phytoremediation</i> , 2015, 17, 583-588.	3.1	82
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2911	Seasonal changes in photosynthetic rate and pigment content in two populations of the monotypic Balkan serpentine endemic <i>Halacsya sendtneri</i> . <i>Australian Journal of Botany</i> , 2015, 63, 167.	0.6	2
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2917	An Approach of Improving Plant Salt Tolerance of Lucerne (<i>Medicago sativa</i>) Grown Under Salt Stress: Use of Bio-inoculants. <i>Journal of Plant Growth Regulation</i> , 2015, 34, 169-182.	5.1	15
2918	Effects of <i>A. nodosum</i> seaweed extracts on spinach growth, physiology and nutrition value under drought stress. <i>Scientia Horticulturae</i> , 2015, 183, 39-47.	3.6	162
2919	High Voltage Electrical Discharges, Pulsed Electric Field, and Ultrasound Assisted Extraction of Protein and Phenolic Compounds from Olive Kernel. <i>Food and Bioprocess Technology</i> , 2015, 8, 885-894.	4.7	254
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2922	Functional significance of betalain biosynthesis in leaves of <i>Disphyma australe</i> under salinity stress. <i>Environmental and Experimental Botany</i> , 2015, 109, 131-140.	4.2	48
2923	Application of Vermicomposts and Compost on Tomato Growth in Greenhouses. <i>Compost Science and Utilization</i> , 2015, 23, 94-103.	1.2	15
2924	Enhanced biofuel production potential with nutritional stress amelioration through optimization of carbon source and light intensity in <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2015, 179, 565-572.	9.6	59
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2929	Influence of Zn-contaminated soils in the antioxidative defence system of wheat (<i>Triticum aestivum</i>) and maize (<i>Zea mays</i>) at different exposure times: potential use as biomarkers. <i>Ecotoxicology</i> , 2015, 24, 279-291.	2.4	30
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2933	Chloroplast ultrastructure, photosynthesis and accumulation of secondary metabolites in <i>Glechoma longituba</i> in response to irradiance. <i>Photosynthetica</i> , 2015, 53, 144-153.	1.7	24
2934	The responses of germinating seedlings of green peas to copper oxide nanoparticles. <i>Biologia Plantarum</i> , 2015, 59, 591-595.	1.9	32
2935	Chemical Changes in Grape Stem and Their Relationship to Stem Color throughout Berry Ripening in <i>Vitis vinifera</i> L. cv Shiraz. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1242-1250.	5.2	3
2936	A euryhaline <i>Nannochloropsis gaditana</i> with potential for nutraceutical (EPA) and biodiesel production. <i>Algal Research</i> , 2015, 8, 161-167.	4.6	60
2937	Regulation of some salt defense-related genes in relation to physiological and biochemical changes in three sugarcane genotypes subjected to salt stress. <i>Protoplasma</i> , 2015, 252, 231-243.	2.1	8
2938	GROWTH REGULATING FACTOR5 Stimulates Arabidopsis Chloroplast Division, Photosynthesis, and Leaf Longevity. <i>Plant Physiology</i> , 2015, 167, 817-832.	4.8	100
2939	Effect of arbuscular mycorrhizal fungi on growth and on micronutrient and macronutrient uptake and allocation in olive plantlets growing under high total Mn levels. <i>Mycorrhiza</i> , 2015, 25, 97-108.	2.8	63
2940	Biodiesel synthesis by direct transesterification of microalga <i>Botryococcus braunii</i> with continuous methanol reflux. <i>Bioresource Technology</i> , 2015, 181, 32-39.	9.6	33
2941	Regulation of astaxanthin and its intermediates through cloning and genetic transformation of β -carotene ketolase in <i>Haematococcus pluvialis</i> . <i>Journal of Biotechnology</i> , 2015, 196-197, 33-41.	3.8	59
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2944	Plasticity of nitrogen allocation in the leaves of the invasive wetland grass, <i>Phalaris arundinacea</i> and co-occurring <i>Carex</i> species determines the photosynthetic sensitivity to nitrogen availability. <i>Journal of Plant Physiology</i> , 2015, 177, 20-29.	3.5	11

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2948	Biological Responses and Proteomic Changes in Maize Seedlings under Nitrogen Deficiency. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 490-504.	1.8	17
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2951	Effect of cooking on the concentration of bioactive compounds in broccoli (<i>Brassica oleracea</i> var.) <i>Trends in Food Science and Technology</i> , 2015, 172, 770-777.	8.2	66
2952	Tolerance of <i>Portulaca grandiflora</i> to Individual and Combined Application of Ni, Pb and Zn. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 94, 103-107.	2.7	4
2953	Ecotoxicological effects of graphene oxide on the protozoan <i>Euglena gracilis</i> . <i>Chemosphere</i> , 2015, 128, 184-190.	8.2	95
2954	Bean Metal-Responsive Element-Binding Transcription Factor Confers Cadmium Resistance in Tobacco. <i>Plant Physiology</i> , 2015, 167, 1136-1148.	4.8	29
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2956	Indole acetic acid modulates changes in growth, chlorophyll a fluorescence and antioxidant potential of <i>Trigonella foenum-graecum</i> L. grown under cadmium stress. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	63
2957	Isoprene production in <i>Synechocystis</i> under alkaline and saline growth conditions. <i>Journal of Applied Phycology</i> , 2015, 27, 1089-1097.	2.8	25
2958	1-Methylcyclopropene (1-MCP)-Induced Alteration in Leaf Photosynthetic Rate, Chlorophyll Fluorescence, Respiration and Membrane Damage in Rice (<i>Oryza sativa</i>) <i>Trends in Food Science and Technology</i> , 2015, 105-116.	3.5	8
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2961	Screening agrochemicals as potential protectants of plants against ozone phytotoxicity. <i>Environmental Pollution</i> , 2015, 197, 247-255.	7.5	32
2962	Effect of different macronutrient cation ratios on macronutrient and water uptake by melon (<i>Cucumis melo</i>) grown in recirculating nutrient solution. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 320-332.	1.9	30

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2964	Tobacco Ankyrin Protein NEIP2 Interacts with Ethylene Receptor NTHK1 and Regulates Plant Growth and Stress Responses. <i>Plant and Cell Physiology</i> , 2015, 56, 803-818.	3.1	31
2965	Physiological and biochemical effects of a tetrahydropyranyl-substituted meta-topolin in micropropagated <i>Merwillia plumbea</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 579-590.	2.3	23
2966	Integrated multi-trophic aquaculture in a zero-exchange recirculation aquaculture system for marine fish and hydroponic halophyte production. <i>Aquaculture International</i> , 2015, 23, 1473-1489.	2.2	43
2967	Alleviation of chromium toxicity by glycinebetaine is related to elevated antioxidant enzymes and suppressed chromium uptake and oxidative stress in wheat (<i>Triticum aestivum</i> L.). <i>Environmental Science and Pollution Research</i> , 2015, 22, 10669-10678.	5.3	159
2968	Is excessive Ca the main factor responsible for Mg deficiency in <i>Sulla carnosa</i> on calcareous soils?. <i>Journal of Soils and Sediments</i> , 2015, 15, 1483-1490.	3.0	10
2969	Tobacco PIC1 Mediates Iron Transport and Regulates Chloroplast Development. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 401-413.	1.8	30
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2971	Fulvic acid mediates chromium (Cr) tolerance in wheat (<i>Triticum aestivum</i> L.) through lowering of Cr uptake and improved antioxidant defense system. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10601-10609.	5.3	145
2972	Alleviation of water stress effects on pepper seedlings by foliar application of glycinebetaine. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2015, 43, 18-31.	1.3	10
2973	Elucidation of the defence mechanism in microalgae <i>Chlorella sorokiniana</i> under mercury exposure. Identification of Hg ²⁺ -phytochelatins. <i>Chemico-Biological Interactions</i> , 2015, 238, 82-90.	4.0	60
2974	Application of fluctuating asymmetry indexes of silver birch leaves for diagnostics of plant communities under technogenic pollution. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 340-348.	1.1	24
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2976	Assessing the effects of ambient ozone in China on snap bean genotypes by using ethylenediurea (EDU). <i>Environmental Pollution</i> , 2015, 205, 199-208.	7.5	53
2977	Ozone fumigation for safety and quality of wine grapes in postharvest dehydration. <i>Food Chemistry</i> , 2015, 188, 641-647.	8.2	76
2978	Arbuscular mycorrhizal symbiosis ameliorates the optimum quantum yield of photosystem II and reduces non-photochemical quenching in rice plants subjected to salt stress. <i>Journal of Plant Physiology</i> , 2015, 185, 75-83.	3.5	151
2979	Changes in the proteome of pad2-1, a glutathione depleted <i>Arabidopsis</i> mutant, during <i>Pseudomonas syringae</i> infection. <i>Journal of Proteomics</i> , 2015, 126, 82-93.	2.4	9
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2981	Reduced Silver Nanoparticle Phytotoxicity in <i>Crambe abyssinica</i> with Enhanced Glutathione Production by Overexpressing Bacterial γ -Glutamylcysteine Synthase. <i>Environmental Science & Technology</i> , 2015, 49, 10117-10126.	10.0	60
2982	Exploration of using stripped ammonia and ash from poultry litter for the cultivation of the cyanobacterium <i>Arthrospira platensis</i> and the green microalga <i>Chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2015, 196, 459-468.	9.6	17
2983	Moving closer towards restoration of contaminated estuaries: Bioaugmentation with autochthonous rhizobacteria improves metal rhizoaccumulation in native <i>Spartina maritima</i> . <i>Journal of Hazardous Materials</i> , 2015, 300, 263-271.	12.4	69
2984	Iron Sources Effects on Growth, Physiological Parameters and Nutrition of Cacao. <i>Journal of Plant Nutrition</i> , 2015, 38, 1787-1802.	1.9	2
2985	Induction and resistance against <i>Fusarium</i> wilt disease of tomato by using sweet basil (<i>Ocimum basilicum</i> L) extract. <i>Canadian Journal of Plant Science</i> , 2015, 95, 689-701.	0.9	17
2986	Overexpression of a novel SbMYB15 from <i>Salicornia brachiata</i> confers salinity and dehydration tolerance by reduced oxidative damage and improved photosynthesis in transgenic tobacco. <i>Planta</i> , 2015, 242, 1291-1308.	3.2	41
2987	The effects of <i>P. aeruginosa</i> ATCC 9027 and NTA on phytoextraction of Cd by ramie (<i>Boehmeria nivea</i> (L.) Tj ETQq0 0 0 rgBT /Overlock 3.6	3.6	0
2988	Ethanol extract of mango (<i>Mangifera indica</i> L.) peel inhibits α -amylase and α -glucosidase activities, and ameliorates diabetes related biochemical parameters in Streptozotocin (STZ)-induced diabetic rats. <i>Journal of Food Science and Technology</i> , 2015, 52, 7883-7893.	2.8	59
2989	Chromium toxicity induces oxidative stress in turnip. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 220-226.	0.8	15
2990	Metabolic cross-talk between pathways of terpenoid backbone biosynthesis in spike lavender. <i>Plant Physiology and Biochemistry</i> , 2015, 95, 113-120.	5.8	63
2991	Temperature sensitivity of photosystem II in isolated thylakoid membranes from fluridone-treated pea leaves. <i>Turkish Journal of Botany</i> , 2015, 39, 420-428.	1.2	5
2992	Proline synthesis in barley under iron deficiency and salinity. <i>Journal of Plant Physiology</i> , 2015, 183, 121-129.	3.5	36
2993	Exogenous NO depletes Cd-induced toxicity by eliminating oxidative damage, re-establishing ATPase activity, and maintaining stress-related hormone equilibrium in white clover plants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16843-16856.	5.3	24
2994	NPK-10:26:26 complex fertilizer assisted optimal cultivation of <i>Dunaliella tertiolecta</i> using response surface methodology and genetic algorithm. <i>Bioresource Technology</i> , 2015, 194, 117-129.	9.6	25
2995	Two homologous protein <i>S</i> -acyltransferases, PAT13 and PAT14, cooperatively regulate leaf senescence in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 6345-6353.	4.8	34
2996	Photosynthetic pigments estimate diet quality in forage and feces of elk (<i>Cervus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1.0 Tf 50.1	1.0	6
2997	Effects of plasmonic film filters on microalgal growth and biomass composition. <i>Algal Research</i> , 2015, 11, 85-89.	4.6	14
2998	Characterization and fine mapping of thermo-sensitive chlorophyll deficit mutant1 in rice (<i>Oryza sativa</i> L.). <i>Breeding Science</i> , 2015, 65, 161-169.	1.9	31

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2999	Overexpression of copper/zinc superoxide dismutase from mangrove <i>Kandelia candel</i> in tobacco enhances salinity tolerance by the reduction of reactive oxygen species in chloroplast. <i>Frontiers in Plant Science</i> , 2015, 6, 23.	3.6	48
3000	Perception of <i>Arabidopsis</i> AtPep peptides, but not bacterial elicitors, accelerates starvation-induced senescence. <i>Frontiers in Plant Science</i> , 2015, 6, 14.	3.6	29
3001	Feasibility and assessment of the phytoremediation potential of duckweed for triarylmethane dye degradation with the emphasis on some physiological responses and effect of operational parameters. <i>Turkish Journal of Biology</i> , 2015, 39, 438-446.	0.8	14
3002	Gene expression profile of <i>Arabidopsis</i> under sodium bisulfite treatment by oligo-microarray analysis. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	0
3003	Evidences of oxidative stress during hydrogen photoproduction in sulfur-deprived cultures of <i>Chlamydomonas reinhardtii</i> . <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10410-10417.	7.1	11
3004	Girdling-induced <i>Alhagi sparsifolia</i> senescence and chlorophyll fluorescence changes. <i>Photosynthetica</i> , 2015, 53, 585-596.	1.7	12
3005	Partial shading of lateral branches affects growth, and foliage nitrogen- and water-use efficiencies in the conifer <i>Cunninghamia lanceolata</i> growing in a warm monsoon climate. <i>Tree Physiology</i> , 2015, 35, 632-643.	3.1	41
3006	Bicarbonate supplementation enhanced biofuel production potential as well as nutritional stress mitigation in the microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2015, 193, 315-323.	9.6	96
3007	Integrated process of two stage cultivation of <i>Nannochloropsis</i> sp. for nutraceutically valuable eicosapentaenoic acid along with biodiesel. <i>Bioresource Technology</i> , 2015, 193, 363-369.	9.6	58
3008	Physiological responses of blackberry cultivar 'Ningzhi 1' to drought stress. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 472-479.	1.1	10
3009	Response of the photosynthetic apparatus in cucumber leaves to daily short-term temperature drops. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 494-498.	1.1	7
3010	Cultivation of <i>Chlorella vulgaris</i> and <i>Arthrospira platensis</i> with Recovered Phosphorus from Wastewater by Means of Zeolite Sorption. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4250-4264.	4.1	30
3011	Developing Hyperspectral Vegetation Indices for Identifying Seagrass Species and Cover Classes. <i>Journal of Coastal Research</i> , 2015, 313, 595-615.	0.3	13
3012	The influence of duckweed species diversity on ecophysiological tolerance to copper exposure. <i>Aquatic Toxicology</i> , 2015, 164, 92-98.	4.0	27
3013	Morpho-anatomical and biochemical adapting strategies of maize (<i>Zea mays</i> L.) seedlings against lead and chromium stresses. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 286-295.	3.1	121
3014	Overexpression of a <i>Populus trichocarpa</i> H ⁺ -pyrophosphatase gene PtVP1.1 confers salt tolerance on transgenic poplar. <i>Tree Physiology</i> , 2015, 35, 663-677.	3.1	45
3015	The heterotrimeric <i>G</i> -protein γ^2 subunit, <i>AGB1</i> , plays multiple roles in the <i>Arabidopsis</i> salinity response. <i>Plant, Cell and Environment</i> , 2015, 38, 2143-2156.	5.7	37
3016	Genetic characterization and field evaluation to recover parental phenotype in transgenic sugarcane: a step toward commercial release. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	11

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3018	Water deficit stress applied only or combined with salinity affects physiological parameters and antioxidant capacity in <i>Sesuvium portulacastrum</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2015, 213, 69-76.	1.2	29
3019	Mutual Effects of Boron and Zinc on Peanut (<i>Arachis hypogaea</i> L.) Growth and Mineral Nutrition. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 641-651.	1.4	11
3020	Effects of the naturally-occurring contaminant microcystins on the <i>Azolla filiculoides</i> – <i>Anabaena azollae</i> symbiosis. <i>Ecotoxicology and Environmental Safety</i> , 2015, 118, 11-20.	6.0	8
3021	Characterization of the salt stress vulnerability of three invasive freshwater plant species using a metabolic profiling approach. <i>Journal of Plant Physiology</i> , 2015, 175, 113-121.	3.5	28
3022	Gene expression profile and physiological and biochemical characterization of hexaploid wheat inoculated with <i>Blumeria graminis</i> f. sp. <i>tritici</i> . <i>Physiological and Molecular Plant Pathology</i> , 2015, 90, 39-48.	2.5	14
3023	Postharvest senescence of florets from primary and secondary broccoli inflorescences. <i>Postharvest Biology and Technology</i> , 2015, 104, 42-47.	6.0	12
3024	Phytotoxicity of cobalt ions on the duckweed <i>Lemna minor</i> – Morphology, ion uptake, and starch accumulation. <i>Chemosphere</i> , 2015, 131, 149-156.	8.2	75
3025	Effect of drought stress on the photosynthesis of <i>Acacia tortilis</i> subsp. <i>raddiana</i> at the young seedling stage. <i>Photosynthetica</i> , 2015, 53, 288-298.	1.7	36
3026	Salinity induced oxidative stress enhanced biofuel production potential of microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2015, 189, 341-348.	9.6	264
3027	A Comparative Study on the Effects of Millisecond- and Microsecond-Pulsed Electric Field Treatments on the Permeabilization and Extraction of Pigments from <i>Chlorella vulgaris</i> . <i>Journal of Membrane Biology</i> , 2015, 248, 883-891.	2.1	73
3028	A GSHS-like gene from <i>Lycium chinense</i> maybe regulated by cadmium-induced endogenous salicylic acid and overexpression of this gene enhances tolerance to cadmium stress in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2015, 34, 871-884.	5.6	33
3029	Molecular characterization of the basic helix-loop-helix (bHLH) genes that are differentially expressed and induced by iron deficiency in <i>Populus</i> . <i>Plant Cell Reports</i> , 2015, 34, 1211-1224.	5.6	20
3030	Growth, photosynthetic and physiological responses of <i>Torreya grandis</i> seedlings to varied light environments. <i>Trees - Structure and Function</i> , 2015, 29, 1011-1022.	1.9	52
3031	Investigating the roles of ascorbate-glutathione cycle and thiol metabolism in arsenate tolerance in ridged <i>Luffa</i> seedlings. <i>Protoplasma</i> , 2015, 252, 1217-1229.	2.1	76
3032	Isolation and functional characterization of salt-stress induced RC12-like genes from <i>Medicago sativa</i> and <i>Medicago truncatula</i> . <i>Journal of Plant Research</i> , 2015, 128, 697-707.	2.4	24
3033	Alterations in the porphyrin biosynthesis and antioxidant responses to chilling and heat stresses in <i>Oryza sativa</i> . <i>Biologia Plantarum</i> , 2015, 59, 341-349.	1.9	15
3034	IAA alleviates Cd toxicity on growth, photosynthesis and oxidative damages in eggplant seedlings. <i>Plant Growth Regulation</i> , 2015, 77, 87-98.	3.4	63

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3035	Effects of sodium chloride stress on gas exchange, chlorophyll content and nutrient concentrations of nine citrus rootstocks. <i>Photosynthetica</i> , 2015, 53, 241-249.	1.7	29
3036	Tolerance vs. avoidance: two strategies of soybean (<i>Glycine max</i>) seedlings in response to shade in intercropping. <i>Photosynthetica</i> , 2015, 53, 259-268.	1.7	105
3037	Influence of foliar-applied salicylic acid on growth, gas-exchange characteristics, and chlorophyll fluorescence in citrus under saline conditions. <i>Photosynthetica</i> , 2015, 53, 410-418.	1.7	30
3038	Effects of nitrogen supply and of UV-C irradiation on the susceptibility of <i>Lactuca sativa</i> L to <i>Botrytis cinerea</i> and <i>Sclerotinia minor</i> . <i>Plant and Soil</i> , 2015, 393, 35-46.	3.7	14
3039	Nitric oxide delays chlorophyll degradation and enhances antioxidant activity in banana fruits after cold storage. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	37
3040	The acclimation of carnivorous round-leaved sundew (<i>Drosera rotundifolia</i> L.) to solar radiation. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	6
3041	Effects of Terbium (III) on Signaling Molecules in Horseradish. <i>Biological Trace Element Research</i> , 2015, 164, 122-129.	3.5	5
3042	Changes in growth, antioxidant defense system and major essential oils constituents of <i>Pelargonium graveolens</i> plant exposed to nano-scale silver and thidiazuron. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 116-123.	0.8	38
3043	Expression of the tetrahydrofolate-dependent nitric oxide synthase from the green alga <i>Ostreococcus tauri</i> increases tolerance to abiotic stresses and influences stomatal development in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2015, 82, 806-821.	5.7	83
3044	Global analysis of the <i>Gossypium hirsutum</i> L. Transcriptome during leaf senescence by RNA-Seq. <i>BMC Plant Biology</i> , 2015, 15, 43.	3.6	85
3045	HyperART: non-invasive quantification of leaf traits using hyperspectral absorption-reflectance-transmittance imaging. <i>Plant Methods</i> , 2015, 11, 1.	4.3	180
3046	Fungal-assisted algal flocculation: application in wastewater treatment and biofuel production. <i>Biotechnology for Biofuels</i> , 2015, 8, 24.	6.2	174
3047	Cadmium toxicity affects chlorophyll a and b content, antioxidant enzyme activities and mineral nutrient accumulation in strawberry. <i>Biological Research</i> , 2015, 48, 11.	3.4	170
3048	Elevated Growth Temperature Can Enhance Photosystem I Trimer Formation and Affects Xanthophyll Biosynthesis in <i>Cyanobacterium Synechocystis</i> sp. PCC6803 Cells. <i>Plant and Cell Physiology</i> , 2015, 56, 558-571.	3.1	39
3049	Exogenous proline application ameliorates toxic effects of arsenate in <i>Solanum melongena</i> L. seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2015, 117, 164-173.	6.0	99
3050	TraeALDH7B1-5A, encoding aldehyde dehydrogenase 7 in wheat, confers improved drought tolerance in <i>Arabidopsis</i> . <i>Planta</i> , 2015, 242, 137-151.	3.2	30
3051	Isolation and characterization of <i>Panax ginseng</i> geranylgeranyl-diphosphate synthase genes responding to drought stress. <i>European Journal of Plant Pathology</i> , 2015, 142, 747-758.	1.7	4
3052	Whole-stream metabolism in nutrient-poor calcareous streams on Å—land, Sweden. <i>Aquatic Sciences</i> , 2015, 77, 207-219.	1.5	8

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3053	A method to identify early-stage transgenic <i>Medicago truncatula</i> with improved physiological response to water deficit. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 605-616.	2.3	8
3054	Nitric oxide mitigates arsenic-induced oxidative stress and genotoxicity in <i>Vicia faba</i> L.. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13881-13891.	5.3	20
3055	Deciphering the role of plant growth-promoting rhizobacteria in the tolerance of the invasive cordgrass <i>Spartina densiflora</i> to physicochemical properties of salt-marsh soils. <i>Plant and Soil</i> , 2015, 394, 45-55.	3.7	27
3056	Wounding tomato fruit elicits ripening-stage specific changes in gene expression and production of volatile compounds. <i>Journal of Experimental Botany</i> , 2015, 66, 1511-1526.	4.8	28
3057	Photosystem activity and state transitions of the photosynthetic apparatus in cyanobacterium <i>Synechocystis</i> PCC 6803 mutants with different redox state of the plastoquinone pool. <i>Biochemistry (Moscow)</i> , 2015, 80, 50-60.	1.5	14
3058	Installing extra bicarbonate transporters in the cyanobacterium <i>Synechocystis</i> sp. PCC6803 enhances biomass production. <i>Metabolic Engineering</i> , 2015, 29, 76-85.	7.0	76
3059	Chlorophyll estimation in field crops: an assessment of handheld leaf meters and spectral reflectance measurements. <i>Journal of Agricultural Science</i> , 2015, 153, 876-890.	1.3	81
3060	Ectopic phytoalexin expression increases nodule numbers and influences the responses of soybean (<i>Glycine max</i>) to nitrogen deficiency. <i>Phytochemistry</i> , 2015, 112, 179-187.	2.9	18
3061	Autochthonous arbuscular mycorrhizal fungi and <i>Bacillus thuringiensis</i> from a degraded Mediterranean area can be used to improve physiological traits and performance of a plant of agronomic interest under drought conditions. <i>Plant Physiology and Biochemistry</i> , 2015, 90, 64-74.	5.8	88
3062	A Comprehensive Study on <i>Chlorella pyrenoidosa</i> for Phenol Degradation and its Potential Applicability as Biodiesel Feedstock and Animal Feed. <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 1382-1401.	2.9	58
3063	Effects of high CO ₂ treatment on green-ripening and peel senescence in banana and plantain fruits. <i>Journal of Integrative Agriculture</i> , 2015, 14, 875-887.	3.5	26
3064	Ecophysiological, anatomical and biochemical aspects of in vitro culture of zygotic <i>Syagrus coronata</i> embryos and of young plants under drought stress. <i>Trees - Structure and Function</i> , 2015, 29, 1219-1233.	1.9	16
3065	Quantum chemical insights into the dependence of porphyrin basicity on the meso-aryl substituents: thermodynamics, buckling, reaction sites and molecular flexibility. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14096-14106.	2.8	31
3066	Hydrogen sulfide alleviates toxic effects of arsenate in pea seedlings through up-regulation of the ascorbate-glutathione cycle: Possible involvement of nitric oxide. <i>Journal of Plant Physiology</i> , 2015, 181, 20-29.	3.5	212
3067	A Robust Near-Infrared Calibration Model for the Determination of Chlorophyll Concentration in Tree Leaves with a Calibration Transfer Method. <i>Analytical Letters</i> , 2015, 48, 1707-1719.	1.8	9
3068	Activities of antioxidant and osmoprotective systems and photosynthetic gas exchange in maize seedlings under drought conditions. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 314-321.	1.1	14
3069	Novel resistance mechanism of barley chlorina f104 antenna mutant against photoinhibition: possible role of new identified chloroplastic cpNrp protein. <i>Theoretical and Experimental Plant Physiology</i> , 2015, 27, 75-85.	2.4	3
3070	Physiological responses of fenugreek seedlings and plants treated with cadmium. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10679-10689.	5.3	47

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3071	Carotenoids, flavonoids, chlorophylls, phenolic compounds and antioxidant activity in fresh and cooked broccoli (<i>Brassica oleracea</i> var. Avenger) and cauliflower (<i>Brassica oleracea</i> var. Alphina F1). <i>LWT - Food Science and Technology</i> , 2015, 63, 177-183.	5.2	95
3072	Invasive submerged freshwater macrophytes are more plastic in their response to light intensity than to the availability of free CO ₂ in air-equilibrated water. <i>Freshwater Biology</i> , 2015, 60, 929-943.	2.4	19
3073	Involvement of molecular oxygen in the donor-side photoinhibition of Mn-depleted photosystem II membranes. <i>Photosynthesis Research</i> , 2015, 126, 417-425.	2.9	5
3074	Redox markers for drought-induced nodule senescence, a process occurring after drought-induced senescence of the lowest leaves in soybean (<i>Glycine max</i>). <i>Annals of Botany</i> , 2015, 116, 497-510.	2.9	59
3075	Temporal chlorophyll fluorescence signals to track changes in optical properties of maturing rice panicles exposed to high night temperature. <i>Field Crops Research</i> , 2015, 177, 75-85.	5.1	11
3076	Penicillium-sesame interactions: A remedy for mitigating high salinity stress effects on primary and defense metabolites in plants. <i>Environmental and Experimental Botany</i> , 2015, 116, 47-60.	4.2	13
3077	Selenium fertilization and mycorrhizal technology may interfere in enhancing bioactive compounds in edible tissues of lettuces. <i>Scientia Horticulturae</i> , 2015, 195, 163-172.	3.6	20
3078	Comparative response of annual <i>Medicago</i> spp. to salinity. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 617-624.	1.1	5
3079	Photosynthesis of <i>Scenedesmus obliquus</i> in outdoor open thin-layer cascade system in high and low CO ₂ in Belgium. <i>Journal of Biotechnology</i> , 2015, 215, 2-12.	3.8	34
3080	Effect of fluorescence light on phenolic compounds and antioxidant activities of soybeans (<i>Glycine</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.6	24
3081	Physiological and biochemical responses of sugarcane to oxidative stress induced by water deficit and paraquat. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	24
3082	The effects of temperature on the germination behavior of white, yellow, red and purple maize plant seeds. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	15
3083	Effect of Salinity Stress and Surfactant Treatment on Physiological Traits and Nutrient Absorption of Fenugreek Plant. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 2807-2820.	1.4	5
3084	Effects of Enhanced UV-B Radiation on Biochemical Traits in Postharvest Flowers of Medicinal Chrysanthemum. <i>Photochemistry and Photobiology</i> , 2015, 91, 845-850.	2.5	13
3085	OsGRAS23, a rice GRAS transcription factor gene, is involved in drought stress response through regulating expression of stress-responsive genes. <i>BMC Plant Biology</i> , 2015, 15, 141.	3.6	173
3086	Modulatory role of jasmonic acid on photosynthetic pigments, antioxidants and stress markers of <i>Glycine max</i> AL under nickel stress. <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 559-565.	3.1	54
3087	Interaction between arbuscular mycorrhizal fungi and vermicompost on copper phytoremediation in a sandy soil. <i>Applied Soil Ecology</i> , 2015, 96, 172-182.	4.3	40
3088	Physiological characterisation and fine mapping of a salt-tolerant mutant in rice (<i>Oryza sativa</i>). <i>Functional Plant Biology</i> , 2015, 42, 1026.	2.1	22

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3089	Overcoming seed dormancy using gibberellic acid and the performance of young <i>Syagrus coronata</i> plants under severe drought stress and recovery. <i>Plant Physiology and Biochemistry</i> , 2015, 97, 278-286.	5.8	8
3090	Biochemical and growth performance of the aquatic macrophyte <i>Azolla filiculoides</i> to sub-chronic exposure to cylindrospermopsin. <i>Ecotoxicology</i> , 2015, 24, 1848-1857.	2.4	21
3091	Changes in plant growth and photosynthetic performance of <i>Zizania latifolia</i> exposed to different phosphorus concentrations under hydroponic condition. <i>Photosynthetica</i> , 2015, 53, 630-635.	1.7	22
3092	Possible reasons of a decline in growth of Chinese cabbage under a combined narrowband red and blue light in comparison with illumination by high-pressure sodium lamp. <i>Scientia Horticulturae</i> , 2015, 194, 267-277.	3.6	16
3093	Nitrogen deficiency in barley (<i>Hordeum vulgare</i>) seedlings induces molecular and metabolic adjustments that trigger aphid resistance. <i>Journal of Experimental Botany</i> , 2015, 66, 3639-3655.	4.8	60
3094	Cadmium Toxicity and Alleviating Effects of Exogenous Salicylic Acid in <i>Iris hexagona</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 796-802.	2.7	27
3095	Isolation and Functional Characterization of Carotenoid Cleavage Dioxygenase-1 from <i>Laurus nobilis</i> L. (Bay Laurel) Fruits. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8275-8282.	5.2	22
3096	Trehalose stimulation of photoinduced electron transfer and oxygen photoconsumption in Mn-depleted photosystem 2 membrane fragments. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 152, 279-285.	3.8	16
3097	Long-term acclimatory response to excess excitation energy: evidence for a role of hydrogen peroxide in the regulation of photosystem II antenna size. <i>Journal of Experimental Botany</i> , 2015, 66, 7151-7164.	4.8	43
3098	Functional Analysis of Two Orthologous NAC Genes, CarNAC3, and CarNAC6 from <i>Cicer arietinum</i> , Involved in Abiotic Stresses in Poplar. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1539-1551.	1.8	31
3099	Ce3+ induces flavonoids accumulation by regulation of pigments, ions, chlorophyll fluorescence and antioxidant enzymes in suspension cells of <i>Ginkgo biloba</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 123, 283-296.	2.3	26
3100	Salt stress response in the halophyte <i>Limoniastrum guyonianum</i> Boiss. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2015, 217, 1-9.	1.2	19
3101	Overexpression of d-amino acid oxidase from <i>Bradyrhizobium japonicum</i> , enhances resistance to glyphosate in <i>Arabidopsis thaliana</i> . <i>Plant Cell Reports</i> , 2015, 34, 2043-2051.	5.6	22
3102	Expression of the chickpea CarNAC3 gene enhances salinity and drought tolerance in transgenic poplars. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 141-154.	2.3	64
3103	EDTA and citric acid-mediated phytoextraction of heavy metals from iron ore tailings using <i>Andrographis paniculata</i> : a comparative study. <i>International Journal of Mining, Reclamation and Environment</i> , 2015, 29, 33-46.	2.8	11
3104	The pepper late embryogenesis abundant protein <i>CaLEA1</i> acts in regulating abscisic acid signaling, drought and salt stress response. <i>Physiologia Plantarum</i> , 2015, 154, 526-542.	5.2	33
3105	Growth of an Indigenous Algal Consortium on Anaerobically Digested Municipal Sludge Centrate: Photobioreactor Performance and Modeling. <i>Bioenergy Research</i> , 2015, 8, 249-258.	3.9	27
3106	Effect of cytokinins on delaying petunia flower senescence: a transcriptome study approach. <i>Plant Molecular Biology</i> , 2015, 87, 169-180.	3.9	39

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3107	Disturbances in Growth, Yield, Sucrose Concentration and Antioxidative Defense System by Excess Cobalt in Sugarcane. <i>Journal of Plant Nutrition</i> , 2015, 38, 541-550.	1.9	3
3108	Antifungal and Antioxidant Profile of Ethnomedicinally Important Liverworts (<i>Pellia endivaefolia</i> and) Tj ETQq1 1 0.784314 rgBT /Over Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 571-579.	1.0	10
3109	<i>Brassica napus</i> responses to short-term excessive copper treatment with decrease of photosynthetic pigments, differential expression of heavy metal homeostasis genes including activation of gene NRAMP4 involved in photosystem II stabilization. <i>Photosynthesis Research</i> , 2015, 125, 141-150.	2.9	29
3110	Effect of Induced Polyploidy on Some Biochemical Parameters in <i>Cannabis sativa</i> L.. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 2366-2375.	2.9	47
3111	Effect of silicon on wheat seedlings (<i>Triticum turgidum</i> L.) grown in hydroponics and exposed to 0 to 30 μ M Cu. <i>Planta</i> , 2015, 241, 847-860.	3.2	295
3112	Effects of aqueous stable fullerene nanocrystal (nC 60) on <i>Scenedesmus obliquus</i> : Evaluation of the sub-lethal photosynthetic responses and inhibition mechanism. <i>Chemosphere</i> , 2015, 122, 162-167.	8.2	41
3113	<i>Eucharis Grandiflora</i> Planch. and Linden Development Fertirrigated with Different Osmotic Potentials. <i>Journal of Plant Nutrition</i> , 2015, 38, 551-567.	1.9	1
3114	Overexpression of <i>Artemisia annua</i> sterol C-4 methyl oxidase gene, AaSMO1, enhances total sterols and improves tolerance to dehydration stress in tobacco. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 167-181.	2.3	6
3115	Carotenoid triplet states in photosystem II: Coupling with low-energy states of the core complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 262-275.	1.0	13
3116	Roles of rootstocks and scions in aluminum-tolerance of Citrus. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	15
3117	Common bean growth and health promoted by rhizobacteria and the contribution of magnesium to the observed responses. <i>Applied Soil Ecology</i> , 2015, 87, 49-55.	4.3	15
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3119	Drought stress response of <i>Sedum sediforme</i> grown in extensive green roof systems with different substrate types and depths. <i>Scientia Horticulturae</i> , 2015, 181, 52-61.	3.6	43
3120	Mercury heavy-metal-induced physiochemical changes and genotoxic alterations in water hyacinths [<i>Eichhornia crassipes</i> (Mart.)]. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4597-4608.	5.3	70
3121	Positive feedback regulation of a <i>Lycium chinense</i> -derived VDE gene by drought-induced endogenous ABA, and over-expression of this VDE gene improve drought-induced photo-damage in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2015, 175, 26-36.	3.5	30
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3123	Effect of coloured shade-nets on plant leaf parameters and tomato fruit quality. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 2660-2667.	3.5	77
3124	Effects of UVB radiation exposure from the molecular to the organism level in macrophytes from shallow Mediterranean habitats. <i>Aquatic Botany</i> , 2015, 120, 112-120.	1.6	14

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3126	Cadmium accumulation in chloroplasts and its impact on chloroplastic processes in barley and maize. <i>Photosynthesis Research</i> , 2015, 125, 291-303.	2.9	51
3127	Sexual competition and N supply interactively affect the dimorphism and competitiveness of opposite sexes in <i>P. opulus cathayana</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 1285-1298.	5.7	44
3128	Photocatalytic ozonation of phenazopyridine using TiO ₂ nanoparticles coated on ceramic plates: mechanistic studies, degradation intermediates and ecotoxicological assessments. <i>Applied Catalysis A: General</i> , 2015, 491, 136-154.	4.3	98
3129	TiO ₂ nanoparticle biosynthesis and its physiological effect on mung bean (<i>Vigna radiata</i> L.). <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015, 5, 22-26.	4.4	290
3130	Effects of bisphenol A on chlorophyll synthesis in soybean seedlings. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5877-5886.	5.3	28
3131	The HIV-1 Pr55gag polyprotein binds to plastidial membranes and leads to severe impairment of chloroplast biogenesis and seedling lethality in transplastomic tobacco plants. <i>Transgenic Research</i> , 2015, 24, 319-331.	2.4	15
3132	Comparative responses of two water hyacinth (<i>Eichhornia crassipes</i>) cultivars to different planting densities. <i>Aquatic Botany</i> , 2015, 121, 1-8.	1.6	10
3133	Study on salt tolerance with <i>YHem1</i> transgenic canola (<i>Brassica napus</i>). <i>Physiologia Plantarum</i> , 2015, 154, 223-242.	5.2	30
3134	Salt stress induced sex-related spatial heterogeneity of gas exchange rates over the leaf surface in <i>Populus cathayana</i> Rehd.. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	325
3135	Evaluating wild grapevine tolerance to copper toxicity. <i>Chemosphere</i> , 2015, 120, 171-178.	8.2	114
3136	Divergent properties and phylogeny of cyanobacterial 5- <i>enol</i> -pyruvylshikimate-3-phosphate synthases: evidence for horizontal gene transfer in the <i>Nostocales</i> . <i>New Phytologist</i> , 2015, 205, 160-171.	7.3	12
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3138	Physiological Changes Associated with Antioxidant Enzymes in Response to Sugarcane Tolerance to Water Deficit and Rehydration. <i>Sugar Tech</i> , 2015, 17, 291-304.	1.8	27
3139	Characterization of microalga <i>Scenedesmus</i> sp. ISTGA1 for potential CO ₂ sequestration and biodiesel production. <i>Renewable Energy</i> , 2015, 74, 774-781.	8.9	82
3140	Effects of different light intensities, CO ₂ concentrations, temperatures and drought stress on photosynthetic activity in two paleoendemic resurrection plant species <i>Ramonda serbica</i> and <i>R. nathaliae</i> . <i>Environmental and Experimental Botany</i> , 2015, 109, 63-72.	4.2	42
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3144	Gas exchange and carbon metabolism in young plants of muruci (<i>Byrsonima crassifolia</i> L.) submitted to water deficit. <i>African Journal of Agricultural Research Vol Pp</i> , 2016, 11, 1019-1026.	0.5	1
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3158	Quality of "Valencia Delta" orange after degreening and coating with wax. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2016, 20, 936-940.	1.1	4
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3167	Improved Productivity of Neutral Lipids in <i>Chlorella</i> sp. A2 by Minimal Nitrogen Supply. <i>Frontiers in Microbiology</i> , 2016, 7, 557.	3.5	18
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3170	A Saponification Method for Chlorophyll Removal from Microalgae Biomass as Oil Feedstock. <i>Marine Drugs</i> , 2016, 14, 162.	4.6	47
3171	Colloidal Nanomolybdenum Influence upon the Antioxidative Reaction of Chickpea Plants (<i>Cicer</i>) Tj ETQq0 0 0 rgBT./Overlock 10 Tf 50 3	3.7	12
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3180	Proteomic Analysis of Differentially Expressed Proteins Involved in Peel Senescence in Harvested Mandarin Fruit. <i>Frontiers in Plant Science</i> , 2016, 7, 725.	3.6	23
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3192	Effects of selenium on biological and physiological properties of the duckweed <i>Landoltia punctata</i> . <i>Plant Biology</i> , 2016, 18, 797-804.	3.8	10
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3195	Impact of cadmium stress on two maize hybrids. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 90-98.	5.8	33
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3208	Volatile compounds emitted by diverse phytopathogenic microorganisms promote plant growth and flowering through cytokinin action. <i>Plant, Cell and Environment</i> , 2016, 39, 2592-2608.	5.7	93
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3211	AtSWEET4, a hexose facilitator, mediates sugar transport to axial sinks and affects plant development. <i>Scientific Reports</i> , 2016, 6, 24563.	3.3	81
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3218	Effects of foliar application of humic acid on photosynthetic pigments, visual quality and height of three cool-season turfgrass species. <i>Acta Horticulturae</i> , 2016, , 41-48.	0.2	0
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3230	Ameliorative effects of spermine application on physiological performance and salinity tolerance induction of susceptible and tolerant cultivars of wheat (<i>Triticum aestivum</i>). <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 1337-1346.	2.6	2
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3234	The role of photorespiration during astaxanthin accumulation in <i>Haematococcus pluvialis</i> (Chlorophyceae). <i>Plant Physiology and Biochemistry</i> , 2016, 107, 75-81.	5.8	23
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3377	Absciscic acid alleviates the deleterious effects of cold stress on â€˜Sultanaâ€™™ grapevine (<i>Vitis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Journal of Horticultural Science and Biotechnology, 2016, 91, 386-395.	1.9	26

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3378	Nitrogen modifies NaCl toxicity in eggplant seedlings: Assessment of chlorophyll a fluorescence, antioxidative response and proline metabolism. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 7, 76-86.	3.1	32
3379	The influence of carotenoid supplementation at different life-stages on the foraging performance of the Southern Corroboree frog (<i>Pseudophryne corroboree</i>): A test of the Silver Spoon and Environmental Matching Hypotheses. <i>Behavioural Processes</i> , 2016, 125, 26-33.	1.1	4
3380	Effects of elevated ozone on physiological, anatomical and ultrastructural characteristics of four common urban tree species in China. <i>Ecological Indicators</i> , 2016, 67, 367-379.	6.3	45
3381	Can transplantation of forest seedlings be a strategy to enrich seedling production in plant nurseries?. <i>Forest Ecology and Management</i> , 2016, 375, 96-104.	3.2	21
3382	Effects of enhanced UV-B radiation on the nutritional and active ingredient contents during the floral development of medicinal chrysanthemum. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 158, 228-234.	3.8	32
3383	Evaluating chlorophyll density in winter oilseed rape (<i>Brassica napus</i> L.) using canopy hyperspectral red-edge parameters. <i>Computers and Electronics in Agriculture</i> , 2016, 126, 21-31.	7.7	60
3384	Evaluating the combined effects of pretilachlor and UV-B on two <i>Azolla</i> species. <i>Pesticide Biochemistry and Physiology</i> , 2016, 128, 45-56.	3.6	12
3385	Effects of exogenous salicylic acid on <i>Impatiens walleriana</i> L. grown in vitro under polyethylene glycol-imposed drought. <i>South African Journal of Botany</i> , 2016, 105, 226-233.	2.5	34
3386	Far-red dependent changes in the chemical composition of <i>Spirulina platensis</i> . <i>Engineering in Life Sciences</i> , 2016, 16, 777-785.	3.6	4
3387	The Lack of Lutein Accelerates the Extent of Light-induced Bleaching of Photosynthetic Pigments in Thylakoid Membranes of <i>Arabidopsis thaliana</i> . <i>Photochemistry and Photobiology</i> , 2016, 92, 436-445.	2.5	6
3388	Comparative proteomic analysis of <i>Phalaenopsis</i> leaves in the vegetative and flowering phase. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	2.1	4
3389	Interactive effects of NH ₄ ⁺ concentration and O ₂ availability on growth, morphology, and mineral allocation of hybrid Napier grass (<i>Pennisetum purpureum</i> — <i>P. americanum</i> cv. Pakchong1). <i>Ecological Engineering</i> , 2016, 91, 409-418.	3.6	2
3390	Potassium (K) supply affects K accumulation and photosynthetic physiology in two cotton (<i>Gossypium</i>) Tj ETQq0 0.0 rgBT /Qverlock 10	5.1	72
3391	PTOX Mediates Novel Pathways of Electron Transport in Etioplasts of <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2016, 9, 1240-1259.	8.3	27
3392	Adaptive changes in pigment complex of <i>Pinus sylvestris</i> needles upon cold acclimation. <i>Russian Journal of Plant Physiology</i> , 2016, 63, 433-442.	1.1	22
3393	Appearance matters: sedimentation effects on different sponge morphologies. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 481-492.	0.8	30
3394	Root-zone temperature affects the phytoextraction of iron in contaminated soil. <i>Journal of Plant Nutrition</i> , 2016, 39, 51-58.	1.9	2
3395	Altered tetrapyrrole metabolism and transcriptome during growth-promoting actions in rice plants treated with 5-aminolevulinic acid. <i>Plant Growth Regulation</i> , 2016, 78, 133-144.	3.4	25

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3396	Impact of girdling and leaf removal on <i>Alhagi sparsifolia</i> leaf senescence. <i>Plant Growth Regulation</i> , 2016, 78, 205-216.	3.4	11
3397	Physiological and biochemical response of <i>Dunaliella salina</i> to cadmium pollution. <i>Journal of Applied Phycology</i> , 2016, 28, 991-999.	2.8	44
3398	Impact of nitrogen supply on growth, steviol glycosides and photosynthesis in <i>Stevia rebaudiana</i> Berton. <i>Plant Biosystems</i> , 2016, 150, 953-962.	1.6	20
3399	Kinetics of nickel bioaccumulation and its relevance to selected cellular processes in leaves of <i>Elodea canadensis</i> during short-term exposure. <i>Protoplasma</i> , 2016, 253, 543-551.	2.1	6
3400	Lead heavy metal toxicity induced changes on growth and antioxidative enzymes level in water hyacinths [<i>Eichhornia crassipes</i> (Mart.)]. , 2016, 55, 54.		246
3401	Glutathione homeostasis and Cd tolerance in the <i>Arabidopsis sultr1;1-sultr1;2</i> double mutant with limiting sulfate supply. <i>Plant Cell Reports</i> , 2016, 35, 397-413.	5.6	21
3402	Water deficit regimes trigger changes in valuable physiological and phytochemical parameters in <i>Helichrysum petiolare</i> Hilliard & B.L. Burt. <i>Industrial Crops and Products</i> , 2016, 83, 680-692.	5.2	43
3403	Using spectral chlorophyll fluorescence and the photochemical reflectance index to predict physiological dynamics. <i>Remote Sensing of Environment</i> , 2016, 176, 17-30.	11.0	55
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3405	Physiological changes promoted by a strobilurin fungicide in the rice- <i>Bipolaris oryzae</i> interaction. <i>Pesticide Biochemistry and Physiology</i> , 2016, 130, 8-16.	3.6	23
3406	Arbuscular mycorrhizal fungi (AMF) improved water deficit tolerance in two different sweet potato genotypes involves osmotic adjustments via soluble sugar and free proline. <i>Scientia Horticulturae</i> , 2016, 198, 107-117.	3.6	126
3407	Effects of exogenous calcium and spermidine on cadmium stress moderation and metal accumulation in <i>Boehmeria nivea</i> (L.) Gaudich. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8699-8708.	5.3	54
3408	Effect of gibberellic acid application on plant growth attributes, return bloom, and fruit quality of rabbiteye blueberry. <i>Scientia Horticulturae</i> , 2016, 200, 13-18.	3.6	42
3409	Phosphatidylinositol 3-Kinase Promotes V-ATPase Activation and Vacuolar Acidification and Delays Methyl Jasmonate-Induced Leaf Senescence. <i>Plant Physiology</i> , 2016, 170, 1714-1731.	4.8	24
3410	Antioxidant responses in soybean and alfalfa plants grown in DDTs contaminated soils: Useful variables for selecting plants for soil phytoremediation?. <i>Pesticide Biochemistry and Physiology</i> , 2016, 130, 17-21.	3.6	15
3411	PRE and POST Herbicidal Activity of Monoterpenes against Barnyard Grass (<i>Echinochloa</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 785	1.5	17
3412	The impact of humic acid on chromium phytoextraction by aquatic macrophyte <i>Lemna minor</i> . <i>Chemosphere</i> , 2016, 147, 311-317.	8.2	46
3413	Changes in gas exchange and antioxidant metabolism on rice leaves infected by <i>Monographella albescens</i> . <i>Tropical Plant Pathology</i> , 2016, 41, 33-41.	1.5	3

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3415	Insight into mechanism of lanthanum (III) induced damage to plant photosynthesis. <i>Ecotoxicology and Environmental Safety</i> , 2016, 127, 43-50.	6.0	40
3416	Effect of chromium oxide (III) nanoparticles on the production of reactive oxygen species and photosystem II activity in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Science of the Total Environment</i> , 2016, 565, 951-960.	8.0	78
3417	Enhanced Diterpene Tanshinone Accumulation and Bioactivity of Transgenic <i>Salvia miltiorrhiza</i> Hairy Roots by Pathway Engineering. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2523-2530.	5.2	143
3418	Evaluation of biological control and rhizosphere competence of plant growth promoting bacteria. <i>Applied Soil Ecology</i> , 2016, 99, 141-149.	4.3	117
3419	The stay-green phenotype of wheat mutant <i>tasg1</i> is associated with altered cytokinin metabolism. <i>Plant Cell Reports</i> , 2016, 35, 585-599.	5.6	22
3420	The use of laser induced chlorophyll fluorescence (LIF) as a fast and non-destructive method to investigate water deficit in <i>Arabidopsis</i> . <i>Agricultural Water Management</i> , 2016, 164, 127-136.	5.6	51
3421	Responses of grass pea seedlings to salinity stress in in vitro culture conditions. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 227-240.	2.3	37
3422	Toxicological and chemical assessment of arsenic-contaminated groundwater after electrochemical and advanced oxidation treatments. <i>Science of the Total Environment</i> , 2016, 543, 147-154.	8.0	13
3423	Modulating effects of orally supplied <i>Euglena gracilis</i> on the physiological responses of the freshwater mussel <i>Diplodon chilensis</i> , exposed to sewage water pollution in a Patagonian river (Argentina). <i>Fish and Shellfish Immunology</i> , 2016, 51, 17-25.	3.6	5
3424	Blue light alters miR167 expression and microRNA-targeted auxin response factor genes in <i>Arabidopsis thaliana</i> plants. <i>Plant Physiology and Biochemistry</i> , 2016, 104, 146-154.	5.8	30
3425	Response of <i>Lemna minor</i> L. to short-term cobalt exposure: The effect on photosynthetic electron transport chain and induction of oxidative damage. <i>Aquatic Toxicology</i> , 2016, 175, 117-126.	4.0	44
3426	A carnivorous sundew plant prefers protein over chitin as a source of nitrogen from its traps. <i>Plant Physiology and Biochemistry</i> , 2016, 104, 11-16.	5.8	18
3427	Synergistic improvement of crop physiological status by combination of cadmium immobilization and micronutrient fertilization. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6661-6670.	5.3	11
3428	Trait responses of invasive aquatic macrophyte congeners: colonizing diploid outperforms polyploid. <i>AoB PLANTS</i> , 2016, 8, .	2.3	15
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3430	Different strategies of acclimation of photosynthesis, electron transport and antioxidative activity in leaves of two cotton species to water deficit. <i>Functional Plant Biology</i> , 2016, 43, 448.	2.1	19
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3433	Effects of salinity on activity and expression of enzymes involved in ionic, osmotic, and antioxidant responses in <i>Eurya emarginata</i> . Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	6
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3436	A <i>bHLH</i> gene from <i>Tamarix hispida</i> improves abiotic stress tolerance by enhancing osmotic potential and decreasing reactive oxygen species accumulation. Tree Physiology, 2016, 36, tpv139.	3.1	40
3437	Enhanced nutrient removal from municipal wastewater assisted by mixotrophic microalgal cultivation using glycerol. Environmental Science and Pollution Research, 2016, 23, 10114-10123.	5.3	36
3438	Optimizing the interaction between poly(vinyl alcohol) and sandy soil for enhanced water retention performance. RSC Advances, 2016, 6, 13377-13383.	3.6	17
3439	Effects of arbuscular mycorrhizal fungi on photosystem II activity of three pistachio rootstocks under salt stress as probed by the OJIP-test. Russian Journal of Plant Physiology, 2016, 63, 101-110.	1.1	30
3440	Salt stress (NaCl) affects plant growth and branch pathways of carotenoid and flavonoid biosyntheses in <i>Solanum nigrum</i> . Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	117
3441	Exogenous salicylic acid improves salinity tolerance of <i>Nitraria tangutorum</i> . Russian Journal of Plant Physiology, 2016, 63, 132-142.	1.1	48
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3449	Dissipation and effects of tricyclazole on soil microbial communities and rice growth as affected by amendment with alperujo compost. Science of the Total Environment, 2016, 550, 637-644.	8.0	8

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3451	Influence of Pretreatments on Quality Parameters and Nutritional Compounds of Dried Galega Kale (<i>Brassica oleracea</i> L. var. <i>acephala</i>). <i>Food and Bioprocess Technology</i> , 2016, 9, 872-881.	4.7	17
3452	Characterization of wheat miRNAs and their target genes responsive to cadmium stress. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 60-67.	5.8	50
3453	Effects of salinity on the photosynthetic apparatus of two <i>Paulownia</i> lines. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 54-59.	5.8	48
3454	Salt acclimation processes in wheat. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 68-75.	5.8	44
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3456	Salares versus coastal ecotypes of quinoa: Salinity responses in Chilean landraces from contrasting habitats. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 1-13.	5.8	41
3457	Relationship between potassium fertilization and nitrogen metabolism in the leaf subtending the cotton (<i>Gossypium hirsutum</i> L.) boll during the boll development stage. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 113-123.	5.8	81
3458	Effect of 1-methylcyclopropene on senescence and sugar metabolism in harvested broccoli florets. <i>Postharvest Biology and Technology</i> , 2016, 116, 45-49.	6.0	44
3459	Transcriptomic analysis and carotenogenic gene expression related to petal coloration in <i>Osmanthus fragrans</i> ‘Yanhong Gui’™. <i>Trees - Structure and Function</i> , 2016, 30, 1207-1223.	1.9	27
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3461	Estimation of synergistic effect of humic fertilizer and <i>Bacillus subtilis</i> on lettuce plants by reflectance measurements. <i>Journal of Plant Nutrition</i> , 2016, 39, 1074-1086.	1.9	16
3462	Light-induced gradual activation of photosystem II in dark-grown Norway spruce seedlings. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 799-809.	1.0	10
3463	Effects of Ethephon on Terpenoids in <i>Cannabis sativa</i> L. in Vegetative Stage. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2016, 19, 94-102.	1.9	15
3464	Overexpression of Tomato Homolog of Glycolate/Glycerate Transporter Gene PLGG1/AtLrgB Leads to Reduced Chlorophyll Biosynthesis. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 792-802.	5.1	8
3465	Does Salicylic Acid (SA) Improve Tolerance to Salt Stress in Plants? A Study of SA Effects On Tomato Plant Growth, Water Dynamics, Photosynthesis, and Biochemical Parameters. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 180-190.	2.0	72
3466	High frequency regeneration protocol for <i>Dendrobium nobile</i> : A model tissue culture approach for propagation of medicinally important orchid species. <i>South African Journal of Botany</i> , 2016, 104, 232-243.	2.5	89
3467	Induced growth promotion and higher salt tolerance in the halophyte grass <i>Puccinellia tenuiflora</i> by beneficial rhizobacteria. <i>Plant and Soil</i> , 2016, 407, 217-230.	3.7	96

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3469	Interactive Effects of Inoculated Cucumber (<i>Cucumis sativus</i> L.) Seedlings and Saline Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2016, , 1-13.	1.4	1
3470	Spermine modulates the expression of two probable polyamine transporter genes and determines growth responses to cadaverine in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2016, 35, 1247-1257.	5.6	10
3471	Design and Synthesis of Cross-Linked Micellar Particles to Assist Microalgae Lipid Recovery from Aqueous Extract. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2016, 93, 51-60.	1.9	2
3472	Growth medium standardization and thermotolerance study of the freshwater microalga <i>Acutodesmus dimorphus</i> a potential strain for biofuel production. <i>Journal of Applied Phycology</i> , 2016, 28, 2687-2696.	2.8	18
3473	Response of the photosynthetic apparatus to UV-A and red light in the phytochrome B-deficient <i>Arabidopsis thaliana</i> L. hy3 mutant. <i>Photosynthetica</i> , 2016, 54, 321-330.	1.7	21
3474	Nitrification and microalgae cultivation for two-stage biological nutrient valorization from source separated urine. <i>Bioresource Technology</i> , 2016, 211, 41-50.	9.6	52
3475	Biochar Application and Drought Stress Effects on Physiological Characteristics of <i>Silybum marianum</i> . <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 743-752.	1.4	52
3476	Architecture of the light-harvesting apparatus of the eustigmatophyte alga <i>Nannochloropsis oceanica</i> . <i>Photosynthesis Research</i> , 2016, 130, 137-150.	2.9	43
3477	A novel Cys2/His2 zinc finger protein gene from sweetpotato, IbZFP1, is involved in salt and drought tolerance in transgenic <i>Arabidopsis</i> . <i>Planta</i> , 2016, 243, 783-797.	3.2	90
3478	Kaolin exogenous application boosts antioxidant capacity and phenolic content in berries and leaves of grapevine under summer stress. <i>Journal of Plant Physiology</i> , 2016, 191, 45-53.	3.5	77
3479	Biodegradation of direct blue 129 diazo dye by <i>Spirodela polyrrhiza</i> : An artificial neural networks modeling. <i>International Journal of Phytoremediation</i> , 2016, 18, 337-347.	3.1	20
3480	Durum wheat seedlings in saline conditions: Salt spray versus root-zone salinity. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 169, 173-181.	2.1	10
3481	Prenyllipid antioxidants participate in response to acute stress induced by heavy metals in green microalga <i>Chlamydomonas reinhardtii</i> . <i>Environmental and Experimental Botany</i> , 2016, 123, 98-107.	4.2	30
3482	<i>Trichoderma harzianum</i> T6776 modulates a complex metabolic network to stimulate tomato cv. Micro-Tom growth. <i>Plant and Soil</i> , 2016, 400, 351-366.	3.7	43
3483	Applying raw poultry litter leachate for the cultivation of <i>Arthrospira platensis</i> and <i>Chlorella vulgaris</i> . <i>Algal Research</i> , 2016, 13, 79-84.	4.6	53
3484	Plant growth-promoting traits of yeasts isolated from the phyllosphere and rhizosphere of <i>Drosera spatulata</i> Lab.. <i>Fungal Biology</i> , 2016, 120, 433-448.	2.5	130
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3486	Influence of digested wastewater sludge on early growth of the perennial ryegrass (<i>Lolium perenne</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	4
3487	The use of microalgae as a high-value organic slow-release fertilizer results in tomatoes with increased carotenoid and sugar levels. <i>Journal of Applied Phycology</i> , 2016, 28, 2367-2377.	2.8	199
3488	Analysis of the effect of chloroplast arrangement on optical properties of green tobacco leaves. <i>Remote Sensing of Environment</i> , 2016, 174, 181-196.	11.0	31
3489	Structural and functional organization of the photosynthetic apparatus in halophytes with different strategies of salt tolerance. <i>Photosynthetica</i> , 2016, 54, 405-413.	1.7	13
3490	Effect of <i>Zataria multiflora</i> Boiss and <i>Thymus vulgaris</i> L. essential oils on black rot of "Washington Navel" orange fruit. <i>Postharvest Biology and Technology</i> , 2016, 112, 152-158.	6.0	37
3491	Effects of postharvest light spectra on quality and health-related parameters in green <i>Asparagus officinalis</i> L.. <i>Postharvest Biology and Technology</i> , 2016, 112, 143-151.	6.0	32
3492	Metabolic engineering of light-driven cytochrome P450 dependent pathways into <i>Synechocystis</i> sp. PCC 6803. <i>Metabolic Engineering</i> , 2016, 33, 1-11.	7.0	66
3493	High irradiation and increased temperature induce different strategies for competent photosynthesis in young and mature fig leaves. <i>South African Journal of Botany</i> , 2016, 103, 25-31.	2.5	21
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3495	Effect of asparagine, cysteine, citrulline, and glutamine on in vitro rooting and biochemical constituents in cherry rootstocks. <i>Biologia Plantarum</i> , 2016, 60, 1-12.	1.9	28
3496	The role of silicon in metabolic acclimation of rice plants challenged with arsenic. <i>Environmental and Experimental Botany</i> , 2016, 123, 22-36.	4.2	73
3497	Enhancement of naphthalene tolerance in transgenic <i>Arabidopsis</i> plants overexpressing the ferredoxin-like protein (AD11) from rice. <i>Plant Cell Reports</i> , 2016, 35, 17-26.	5.6	6
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3499	Effects of temperature, light level, and photoperiod on the physiology of <i>Porphyra umbilicalis</i> Kützting from the Northwest Atlantic, a candidate for aquaculture. <i>Journal of Applied Phycology</i> , 2016, 28, 1815-1826.	2.8	15
3500	Leaf gas exchange and multiple enzymatic and non-enzymatic antioxidant strategies related to drought tolerance in two oil palm hybrids. <i>Trees - Structure and Function</i> , 2016, 30, 203-214.	1.9	31
3501	Artificial neural network modeling of biotreatment of malachite green by <i>Spirodela polyrhiza</i> : Study of plant physiological responses and the dye biodegradation pathway. <i>Chemical Engineering Research and Design</i> , 2016, 99, 11-19.	5.6	28
3502	Mitogen-activated protein kinase 6 mediates nuclear translocation of ORE3 to promote <i>ORE9</i> gene expression in methyl jasmonate-induced leaf senescence. <i>Journal of Experimental Botany</i> , 2016, 67, 83-94.	4.8	24
3503	Nitro-oxidative stress contributes to selenite toxicity in pea (<i>Pisum sativum</i> L). <i>Plant and Soil</i> , 2016, 400, 107-122.	3.7	44

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3505	Assessment of genetic homogeneity and analysis of phytomedicinal potential in micropropagated plants of Nardostachys jatamansi, a critically endangered, medicinal plant of alpine Himalayas. Plant Cell, Tissue and Organ Culture, 2016, 124, 331-349.	2.3	37
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3529	Physicochemical and nutritional evaluation of Spanish melon landraces. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2017, 15, 177-186.	0.8	6
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3534	Enhanced plastochromanol-8 accumulation during reiterated drought in maize (<i>Zea mays</i> L.). <i>Plant Physiology and Biochemistry</i> , 2017, 112, 283-289.	5.8	18
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3559	Cotton (<i>Gossypium hirsutum</i> L.) genotypes with contrasting K ⁺ /Na ⁺ ion homeostasis: implications for salinity tolerance. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	27
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3561	Response of <i>Spirodela polyrhiza</i> to cerium: subcellular distribution, growth and biochemical changes. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 56-64.	6.0	15
3562	Changes in fatty acid composition of lipids in chloroplast membranes of tobacco plants during cold hardening. <i>Russian Journal of Plant Physiology</i> , 2017, 64, 156-161.	1.1	10
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3591	Toxicity of sulfadiazine and copper and their interaction to wheat (<i>Triticum aestivum</i> L.) seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 250-256.	6.0	36
3592	Hyperspectral characterization of freezing injury and its biochemical impacts in oilseed rape leaves. <i>Remote Sensing of Environment</i> , 2017, 195, 56-66.	11.0	43
3593	A Comparative Study of Natural Antimicrobial Delivery Systems for Microbial Safety and Quality of Freshâ€“Cut Lettuce. <i>Journal of Food Science</i> , 2017, 82, 1132-1141.	3.1	8

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3595	UV-B radiation escalate allelopathic effect of benzoic acid on <i>Solanum lycopersicum</i> L.. <i>Scientia Horticulturae</i> , 2017, 220, 199-205.	3.6	14
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3599	Phytochromes are key regulators of abiotic stress responses in tomato. <i>Scientia Horticulturae</i> , 2017, 222, 126-135.	3.6	31
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3602	Assessment of growth, leaf N concentration and chlorophyll content of sweet sorghum using canopy reflectance. <i>Field Crops Research</i> , 2017, 209, 47-57.	5.1	23
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3605	Arbuscular mycorrhizal fungi and <i>Pseudomonas</i> in reduce drought stress damage in flax (<i>Linum</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10	2.8	64
3606	Mercury induced oxidative stress, DNA damage, and activation of antioxidative system and Hsp70 induction in duckweed (<i>Lemna minor</i>). <i>Ecotoxicology and Environmental Safety</i> , 2017, 143, 46-56.	6.0	71
3607	Spectral dependence of irreversible light-induced fluorescence quenching: Chlorophyll forms with maximal emission at 700â€“702 and 705â€“710 nm as spectroscopic markers of conformational changes in the core complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 529-543.	1.0	3
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3610	Nutritional and active ingredients of medicinal chrysanthemum flower heads affected by different drying methods. <i>Industrial Crops and Products</i> , 2017, 104, 45-51.	5.2	38
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3613	Tissue culture techniques as a tool to select snapdragon mutants with differential NaCl sensitivity. <i>Acta Horticulturae</i> , 2017, , 201-208.	0.2	0
3614	Effect of methyl jasmonic acid on peach fruit ripening progress. <i>Scientia Horticulturae</i> , 2017, 220, 206-213.	3.6	41
3615	Establishment of in vitro plants selected from heavy metal contaminated soils for further phytoremediation use. <i>Acta Horticulturae</i> , 2017, , 599-606.	0.2	2
3616	Interactive effects of nitrate-ammonium ratios and temperatures on growth, photosynthesis, and nitrogen metabolism of tomato seedlings. <i>Scientia Horticulturae</i> , 2017, 214, 41-50.	3.6	60
3617	Exogenous application of phytosynthesized nanoceria to alleviate ferulic acid stress in <i>Solanum lycopersicum</i> . <i>Scientia Horticulturae</i> , 2017, 214, 158-164.	3.6	35
3618	Anatomy, photochemical activity, and DNA polymorphism in leaves of dwarf tomato irradiated with X-rays. <i>Biologia Plantarum</i> , 2017, 61, 305-314.	1.9	16
3619	Phenolic compounds and carotenoids during acclimation of spring barley and its mutant Chlorina f2 from high to low irradiance. <i>Biologia Plantarum</i> , 2017, 61, 73-84.	1.9	5
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3623	Insights into the Enhanced Lipid Production Characteristics of a Fresh Water Microalga under High Salinity Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7413-7421.	3.7	43
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3632	Tolerance of an energy crop (<i>Jatropha curcas</i> L.) to zinc and lead assessed by chlorophyll fluorescence and enzyme activity. <i>South African Journal of Botany</i> , 2017, 112, 275-282.	2.5	16
3633	Surface coating-modulated toxic responses to silver nanoparticles in <i>Wolffia globosa</i> . <i>Aquatic Toxicology</i> , 2017, 189, 150-158.	4.0	23
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3644	Exogenous Ammonium Nitrate and Urea Effects as Sources of Nitrogen on Nitrate Assimilation, Photosynthetic Pigments and Biochemical Characteristics in <i>Zea mays</i> L.. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2017, 41, 95-101.	1.5	4
3645	Distinct growth light and gibberellin regimes alter leaf anatomy and reveal their influence on leaf optical properties. <i>Environmental and Experimental Botany</i> , 2017, 140, 86-95.	4.2	44
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3647	Tomato ethylene sensitivity determines interaction with plant growth-promoting bacteria. <i>Annals of Botany</i> , 2017, 120, 101-122.	2.9	16
3648	Growth stimulation and synthesis of lipids, pigments and antioxidants with magnetic fields in <i>Chlorella kessleri</i> cultivations. <i>Bioresource Technology</i> , 2017, 244, 1425-1432.	9.6	83

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3650	Fruit-load-induced starch accumulation causes leaf chlorosis in 'Nadorcott' mandarin trees. <i>Scientia Horticulturae</i> , 2017, 222, 62-68.	3.6	10
3651	Effect of compost addition on arsenic uptake, morphological and physiological attributes of maize plants grown in contrasting soils. <i>Journal of Geochemical Exploration</i> , 2017, 178, 83-91.	3.2	81
3652	Accumulation and physiological response of cadmium in <i>Hydrocharis dubia</i> . <i>Biologia (Poland)</i> , 2017, 72, 145-152.	1.5	2
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3773	Effects of Selenite on Unicellular Green Microalga <i>Chlorella pyrenoidosa</i> : Bioaccumulation of Selenium, Enhancement of Photosynthetic Pigments, and Amino Acid Production. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10875-10883.	5.2	34
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3779	Salicylic acid induced antioxidant system enhances the tolerance to aluminium in mung bean (<i>Vigna</i> Tj ETQq0 0 0 rgBT /Overlock 10	0.8	25
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3884	Physiological and biochemical metabolism in <i>Jatoba</i> plants (<i>Hymenaea courbaril</i> L.) affected by water stress and flooding. <i>Australian Journal of Crop Science</i> , 2017, , 844-852.	0.3	2

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3898	Morphological and Biochemical Alterations of Paddy Rice in Response to Stress Caused by Herbicides and Total Plant Submersion. <i>Planta Daninha</i> , 2017, 35, .	0.5	6
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3901	Estimating foliar nitrogen in <i>Eucalyptus</i> using vegetation indexes. <i>Scientia Agricola</i> , 2017, 74, 142-147.	1.2	16
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3905	Biochemical components and dry matter of lemon and mandarin hybrids under salt stress. <i>Revista Brasileira De Engenharia Agr�cola E Ambiental</i> , 2017, 21, 249-253.	1.1	6
3906	UVA + B treatment affects antioxidant system and phytochemicals of parsley plant under different concentrations of Zn. <i>Acta Agriculturae Slovenica</i> , 2017, 109, 241.	0.3	0
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3909	Influence of spectral light quality on the pigment concentrations and biomass productivity of <i>Arthrospira platensis</i> . <i>Algal Research</i> , 2018, 31, 157-166.	4.6	72
3910	UMP kinase activity is involved in proper chloroplast development in rice. <i>Photosynthesis Research</i> , 2018, 137, 53-67.	2.9	19
3911	Influence of silicon on spring wheat seedlings under salt stress. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	29
3912	Performance of three cardoon cultivars in an industrial heavy metal-contaminated soil: Effects on morphology, cytology and photosynthesis. <i>Journal of Hazardous Materials</i> , 2018, 351, 131-137.	12.4	59
3913	Functional analysis of overexpressed PtDRS1 involved in abiotic stresses enhances growth in transgenic poplar. <i>Plant Physiology and Biochemistry</i> , 2018, 126, 22-31.	5.8	14
3914	Improvement of the rice photosynthetic apparatus defence under cadmium stress modulated by salicylic acid supply to roots. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 57-70.	2.4	34
3915	De novo transcriptome analysis and gene expression profiling of an oleaginous microalga <i>Scenedesmus acutus</i> TISTR8540 during nitrogen deprivation-induced lipid accumulation. <i>Scientific Reports</i> , 2018, 8, 3668.	3.3	35
3916	Silencing barley cystatins HvCPI��2 and HvCPI��4 specifically modifies leaf responses to drought stress. <i>Plant, Cell and Environment</i> , 2018, 41, 1776-1790.	5.7	20
3917	Exogenous Nitric Oxide Pretreatment Enhances Chilling Tolerance of Anthurium. <i>Journal of the American Society for Horticultural Science</i> , 2018, 143, 3-13.	1.0	11
3918	Co-regulation of photosynthetic processes under potassium deficiency across CO ₂ levels in soybean: mechanisms of limitations and adaptations. <i>Photosynthesis Research</i> , 2018, 137, 183-200.	2.9	12
3919	Leaf and canopy photosynthesis of a chlorophyll deficient soybean mutant. <i>Plant, Cell and Environment</i> , 2018, 41, 1427-1437.	5.7	68
3920	Accumulation and effects of copper on aquatic macrophytes <i>Potamogeton pectinatus</i> L.: Potential application to environmental monitoring and phytoremediation. <i>Ecotoxicology and Environmental Safety</i> , 2018, 155, 117-124.	6.0	61
3921	Age��dependent leaf physiology and consequences for crown��scale carbon uptake during the dry season in an Amazon evergreen forest. <i>New Phytologist</i> , 2018, 219, 870-884.	7.3	66

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3923	Galactolipid remodeling is involved in drought-induced leaf senescence in maize. <i>Environmental and Experimental Botany</i> , 2018, 150, 57-68.	4.2	46
3924	Seasonal variations of antioxidants and other agronomic features in soilless production of selected fresh aromatic herbs. <i>Scientia Horticulturae</i> , 2018, 234, 290-299.	3.6	15
3925	Physiological and growth responses of <i>Calendula officinalis</i> L. plants to the interaction effects of polyamines and salt stress. <i>Scientia Horticulturae</i> , 2018, 234, 312-317.	3.6	72
3926	Antioxidant enzyme responses to the oxidative stress due to chlorpyrifos, dimethoate and dieldrin stress in palak (<i>Spinacia oleracea</i> L.) and their toxicity alleviation by soil amendments in tropical croplands. <i>Science of the Total Environment</i> , 2018, 630, 839-848.	8.0	37
3927	In-vivo turnover frequency of the cyanobacterial NiFe-hydrogenase during photohydrogen production outperforms in-vitro systems. <i>Scientific Reports</i> , 2018, 8, 6083.	3.3	17
3928	bHLH104 confers tolerance to cadmium stress in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2018, 60, 691-702.	8.5	63
3929	The responses of cucumber plants subjected to different salinity or fertilizer concentrations and reproductive success of <i>Tetranychus urticae</i> mites on these plants. <i>Experimental and Applied Acarology</i> , 2018, 75, 41-53.	1.6	4
3930	The effects of ultraviolet radiation on growth, biomass, lipid accumulation and biodiesel properties of microalgae. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 787-793.	2.3	37
3931	Sustainable luminescent solar concentrators based on organic-inorganic hybrids modified with chlorophyll. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8712-8723.	10.3	38
3932	Phylogenetic analyses of the genes involved in carotenoid biosynthesis in algae. <i>Acta Oceanologica Sinica</i> , 2018, 37, 89-101.	1.0	13
3933	Assessing morphological characteristics of elite cotton lines from different breeding programmes for low temperature and drought tolerance. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 467-476.	3.5	35
3934	A tomato proline-, lysine-, and glutamic-rich type gene SpPKE1 positively regulates drought stress tolerance. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 777-782.	2.1	9
3935	SPINDLY is involved in ABA signaling bypassing the PYR/PYLs/RCARs-mediated pathway and partly through functional ABAR. <i>Environmental and Experimental Botany</i> , 2018, 151, 43-54.	4.2	6
3936	Physiological changes in <i>Chlamydomonas reinhardtii</i> after 1000 generations of selection of cadmium exposure at environmentally relevant concentrations. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 923-933.	3.5	12
3937	Using wavelet analysis of hyperspectral remote-sensing data to estimate canopy chlorophyll content of winter wheat under stripe rust stress. <i>International Journal of Remote Sensing</i> , 2018, 39, 4059-4076.	2.9	46
3938	Joint Gaussian Processes for Biophysical Parameter Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 1718-1727.	6.3	37
3939	Effects of elevated ozone concentration and nitrogen addition on ammonia stomatal compensation point in a poplar clone. <i>Environmental Pollution</i> , 2018, 238, 760-770.	7.5	10

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3941	Evaluation of vermicompost fertilizer application on growth, nutrient uptake and photosynthetic pigments of lentil (<i>Lens culinaris</i> Medik.) under moisture deficiency conditions. <i>Journal of Plant Nutrition</i> , 2018, 41, 1276-1284.	1.9	12
3942	Reflectance and biochemical responses of maize plants to drought and rewatering cycles. <i>Annals of Applied Biology</i> , 2018, 172, 332-345.	2.5	11
3943	Downregulation of the CpSRP43 gene expression confers a truncated light-harvesting antenna (TLA) and enhances biomass and leaf-to-stem ratio in <i>Nicotiana tabacum</i> canopies. <i>Planta</i> , 2018, 248, 139-154.	3.2	25
3944	Fast-growing <i>Larix kaempferi</i> suffers under nutrient imbalance caused by phosphorus fertilization in larch plantation soil. <i>Forest Ecology and Management</i> , 2018, 417, 49-62.	3.2	8
3945	<i>Arabidopsis</i> BRASSINOSTEROID INACTIVATOR2 is a typical BAHD acyltransferase involved in brassinosteroid homeostasis. <i>Journal of Experimental Botany</i> , 2018, 69, 1925-1941.	4.8	18
3946	Foliar application of the triterpene derivative 24-methylen-lemnosta-8,24-dien-3-one alleviates salt toxicity in grapevine. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	1
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3948	Coumestrol Confers Partial Resistance in Soybean Plants Against <i>Cercospora</i> Leaf Blight. <i>Phytopathology</i> , 2018, 108, 935-947.	2.2	4
3949	Improved photosynthesis in <i>Arabidopsis</i> roots by activation of GATA transcription factors. <i>Photosynthetica</i> , 2018, 56, 433-444.	1.7	9
3950	Management of tannery wastewater for improving growth attributes and reducing chromium uptake in spinach through citric acid application. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10848-10856.	5.3	55
3951	Non-steroidal anti-inflammatory drugs initiate morphological changes but inhibit carotenoid accumulation in <i>Haematococcus pluvialis</i> . <i>Algal Research</i> , 2018, 31, 1-13.	4.6	10
3952	Effect of nutrients on the growth and physiological features of newly isolated <i>Haematococcus pluvialis</i> TMU1. <i>Bioresource Technology</i> , 2018, 255, 229-237.	9.6	43
3953	Improving the PROSPECT Model to Consider Anisotropic Scattering of Leaf Internal Materials and Its Use for Retrieving Leaf Biomass in Fresh Leaves. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 3119-3136.	6.3	20
3954	Chlorophyll and Chlorophyll Catabolite Analysis by HPLC. <i>Methods in Molecular Biology</i> , 2018, 1744, 223-235.	0.9	13
3955	Effects of lanthanum and silicon stress on bio-sequestration of lanthanum in phytoliths in rice seedlings. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10752-10770.	5.3	9
3956	<i>Chara</i> spp. exhibit highly heterogeneous light adaptation, calcite encrustation and epiphyton patterns in a marl lake. <i>Aquatic Botany</i> , 2018, 147, 1-10.	1.6	7
3957	Provitamin A biofortification of cassava enhances shelf life but reduces dry matter content of storage roots due to altered carbon partitioning into starch. <i>Plant Biotechnology Journal</i> , 2018, 16, 1186-1200.	8.3	49

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3959	Linking jasmonates with pigment accumulation and photoprotection in a high-mountain endemic plant, <i>Saxifraga longifolia</i> . <i>Environmental and Experimental Botany</i> , 2018, 154, 56-65.	4.2	19
3960	Functional deficiency of phytochrome B improves salt tolerance in rice. <i>Environmental and Experimental Botany</i> , 2018, 148, 100-108.	4.2	15
3961	Effects of using arbuscular mycorrhizal fungi to alleviate drought stress on the physiological traits and essential oil yield of fennel. <i>Rhizosphere</i> , 2018, 6, 31-38.	3.0	30
3962	Fruit characteristics of wild rose hip (<i>Rosa</i> spp.) genotypes from Isfahan region of Iran. <i>Acta Horticulturae</i> , 2018, , 189-194.	0.2	1
3963	Seasonal differences in the content of phenols and pigments in thalli of freshwater <i>Cladophora glomerata</i> and its habitat. <i>Water Research</i> , 2018, 135, 66-74.	11.3	19
3964	Improved salt tolerance in a wheat stay-green mutant <i>tasg1</i> . <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	10
3965	Glucosinolate and carotenoid content of white- and yellow-flowering rapeseed grown for human consumption as sprouts and seedlings under light emitting diodes. <i>European Food Research and Technology</i> , 2018, 244, 1121-1131.	3.3	18
3966	Sodium hydrosulfide modifies the nutrient ratios of soybean (<i>Glycine max</i>) under iron deficiency. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 305-315.	1.9	11
3967	Allopolyploidization in <i>Cucumis</i> contributes to delayed leaf maturation with repression of redundant homoeologous genes. <i>Plant Journal</i> , 2018, 94, 393-404.	5.7	13
3968	Microencapsulation of extracts of bioactive compounds obtained from acerola (<i>Malpighia emarginata</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T characterization. <i>Food Chemistry</i> , 2018, 254, 281-291.	8.2	176
3969	Ectomycorrhizal inoculation with <i>Pisolithus tinctorius</i> reduces stress induced by drought in cork oak. <i>Mycorrhiza</i> , 2018, 28, 247-258.	2.8	40
3970	Nitrogen metabolism correlates with the acclimation of photosynthesis to short-term water stress in rice (<i>Oryza sativa</i> L.). <i>Plant Physiology and Biochemistry</i> , 2018, 125, 52-62.	5.8	63
3971	Influence of cadmium and phosphorus enhance absorption and membrane damage in wheat seedlings grown in nutrient medium. <i>Journal of Plant Nutrition</i> , 2018, 41, 793-805.	1.9	6
3972	On the recalcitrant use of Arnon's method for chlorophyll determination. <i>New Phytologist</i> , 2018, 217, 474-476.	7.3	15
3973	Physiological and transcriptomic analyses of a yellow-green mutant with high photosynthetic efficiency in wheat (<i>Triticum aestivum</i> L.). <i>Functional and Integrative Genomics</i> , 2018, 18, 175-194.	3.5	21
3974	The interaction of high copper and zinc doses in acid soil changes the physiological state and development of the root system in young grapevines (<i>Vitis vinifera</i>). <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 985-994.	6.0	31
3975	Effects of elevated O ₃ on physiological and biochemical responses in three kinds of trees native to subtropical forest in China during non-growing period. <i>Environmental Pollution</i> , 2018, 234, 716-725.	7.5	10

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3976	Composition of photosynthetic pigments and photosynthetic characteristics in green and yellow sectors of the variegated <i>Aucuba japonica</i> ‘Variegata’ leaves. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2018, 240, 25-33.	1.2	28
3977	Effects of ecological water transport on photosynthesis and chlorophyll fluorescence of <i>Populus euphratica</i> . <i>Water Science and Technology: Water Supply</i> , 2018, 18, 1747-1756.	2.1	2
3978	Mixotrophic cultivation of microalgae to enhance the quality of lipid for biodiesel application: effects of scale of cultivation and light spectrum on reduction of \pm -linolenic acid. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 531-542.	3.4	22
3979	SiO ₂ nanomaterial as a tool to improve <i>Hordeum vulgare</i> L. tolerance to nano-NiO stress. <i>Science of the Total Environment</i> , 2018, 622-623, 517-525.	8.0	60
3980	Ameliorative effects of <i>Trichoderma harzianum</i> on monocot crops under hydroponic saline environment. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	26
3981	Effects of light-emitting diode (LED) with a mixture of wavelengths on the growth and lipid content of microalgae. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 457-465.	3.4	47
3982	On the source of non-linear light absorbance in photosynthetic samples. <i>Photosynthesis Research</i> , 2018, 136, 345-355.	2.9	5
3983	Modification of chrysanthemum odour and taste with chrysanthemol synthase induces strong dual resistance against cotton aphids. <i>Plant Biotechnology Journal</i> , 2018, 16, 1434-1445.	8.3	25
3984	Transgenic Tea Over-expressing <i>Solanum tuberosum</i> Endo-1,3-beta-d-glucanase Gene Conferred Resistance Against Blister Blight Disease. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 107-122.	1.8	17
3985	Changes in primary and secondary metabolites of <i>Mentha aquatica</i> L. exposed to different concentrations of manganese. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7575-7588.	5.3	13
3986	Interaction mechanisms between α -Fe ₂ O ₃ , β -Fe ₂ O ₃ and Fe ₃ O ₄ nanoparticles and <i>Citrus maxima</i> seedlings. <i>Science of the Total Environment</i> , 2018, 625, 677-685.	8.0	60
3987	Antioxidant properties of minimally processed endives and escaroles vary as influenced by the cultivation site, cultivar and storage time. <i>Postharvest Biology and Technology</i> , 2018, 138, 82-90.	6.0	4
3988	Plant growth regulators promote lipid and carotenoid accumulation in <i>Chlorella vulgaris</i> . <i>Journal of Applied Phycology</i> , 2018, 30, 1549-1561.	2.8	47
3989	Toxicity evaluation of ZnO and TiO ₂ nanomaterials in hydroponic red bean (<i>Vigna angularis</i>) plant: Physiology, biochemistry and kinetic transport. <i>Journal of Environmental Sciences</i> , 2018, 72, 140-152.	6.1	65
3990	Spermidine sprays alleviate the water deficit-induced oxidative stress in finger millet (<i>Eleusine</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182	2.2	20
3991	Photoprotection from anthocyanins and thermal energy dissipation in senescing red and green <i>Sambucus canadensis</i> peduncles. <i>Environmental and Experimental Botany</i> , 2018, 148, 27-34.	4.2	14
3992	Phenol induced physiological stress in hydroponically grown lettuce (<i>Lactuca sativa</i> L.)” Part 2. <i>Scientia Horticulturae</i> , 2018, 232, 71-83.	3.6	0
3993	Photooxidation and photoreduction of exogenous cytochrome c by photosystem II preparations after various modifications of the water-oxidizing complex. <i>Photosynthetica</i> , 2018, 56, 244-253.	1.7	7

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3995	Efficacy of N2O2 donor schiff bases and their Zn2+ complexes on various morphological and biochemical parameters of <i>Cicer arietinum</i> L.. <i>Journal of Plant Nutrition</i> , 2018, 41, 487-496.	1.9	1
3996	Comparative phytotoxicity of usnic acid, salicylic acid, cinnamic acid and benzoic acid on photosynthetic apparatus of <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 128, 1-12.	5.8	42
3997	Influence of host plants and some leaf contents on biological aspects of <i>Tetranychus urticae</i> Koch (Arachnida: Acari: Tetranychidae). <i>Journal of Basic and Applied Zoology</i> , 2018, 79, .	0.9	5
3998	Comparative analysis of salt stress, duration and intensity, on the chloroplast ultrastructure and photosynthetic apparatus in <i>Thellungiella salsuginea</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 275-287.	3.8	61
3999	Novel transcription factors PvBMV1 and PvBMV3 increase biomass yield in greenhouse-grown switchgrass (<i>Panicum virgatum</i> L.). <i>Plant Science</i> , 2018, 273, 100-109.	3.6	14
4000	Plant Hormonomics: Multiple Phytohormone Profiling by Targeted Metabolomics. <i>Plant Physiology</i> , 2018, 177, 476-489.	4.8	293
4001	Acute and chronic responses of macrophyte and microorganisms in constructed wetlands to cerium dioxide nanoparticles: Implications for wastewater treatment. <i>Chemical Engineering Journal</i> , 2018, 348, 35-45.	12.7	48
4002	Dark chlorophyll synthesis may provide a potential for shade tolerance as shown by a comparative study with seedlings of European larch (<i>Larix decidua</i>) and Norway spruce (<i>Picea abies</i>). <i>Trees - Structure and Function</i> , 2018, 32, 951-965.	1.9	4
4003	Strigolactone-induced senescence of a bamboo leaf in the dark is alleviated by exogenous sugar. <i>Journal of Pesticide Sciences</i> , 2018, 43, 173-179.	1.4	32
4004	Anatomically distinct representatives of Cactaceae Juss. family have different response to acute heat shock stress. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2018, 242, 137-145.	1.2	16
4005	Versatile templates from cellulose nanofibrils for photosynthetic microbial biofuel production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5825-5835.	10.3	34
4006	Rosmarinic acid ameliorates the negative effects of salinity in in vitro-regenerated potato explants (<i>Solanum tuberosum</i> L.). <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	5
4007	Reprint of "Photoprotection from anthocyanins and thermal energy dissipation in senescing red and green <i>Sambucus canadensis</i> peduncles". <i>Environmental and Experimental Botany</i> , 2018, 154, 4-10.	4.2	2
4008	Elevated nitrogen metabolism and nitric oxide production are involved in <i>Arabidopsis</i> resistance to acid rain. <i>Plant Physiology and Biochemistry</i> , 2018, 127, 238-247.	5.8	16
4010	Responses of the antioxidant system to fluroxypyr in foxtail millet (<i>Setaria italica</i> L.) at the seedling stage. <i>Journal of Integrative Agriculture</i> , 2018, 17, 554-565.	3.5	3
4011	Alterations in HO-1 expression, heme oxygenase activity and endogenous NO homeostasis modulate antioxidant responses of <i>Brassica nigra</i> against nano silver toxicity. <i>Journal of Plant Physiology</i> , 2018, 228, 75-84.	3.5	23
4012	Euclidean distance can identify the mannitol level that produces the most remarkable integral effect on sugarcane micropropagation in temporary immersion bioreactors. <i>Journal of Plant Research</i> , 2018, 131, 719-724.	2.4	5

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4013	Removal of diatom <i>Nitzschia</i> sp. cells via ozonation process catalyzed by martite nanoparticles. <i>Journal of Cleaner Production</i> , 2018, 186, 475-489.	9.3	8
4014	<i>Tagetes minuta</i> L. Variability in Terms of Lead Phytoextraction from Polluted Soils: Is Historical Exposure a Determining Factor?. <i>Environmental Processes</i> , 2018, 5, 243-259.	3.5	21
4015	Physics-aware Gaussian processes in remote sensing. <i>Applied Soft Computing Journal</i> , 2018, 68, 69-82.	7.2	67
4016	Alleviation of Deleterious Effects due to 2-Benzoxazolinone by Exogenous Application of Spermidine in <i>Solanum lycopersicum</i> . <i>International Journal of Vegetable Science</i> , 2018, 24, 466-482.	1.3	3
4017	Different responses in leaf-level physiology to competition and facilitation under different soil types and N fertilization. <i>Environmental and Experimental Botany</i> , 2018, 150, 69-78.	4.2	15
4018	Physiological, biochemical, and ultrastructural characterization of selenium toxicity in cowpea plants. <i>Environmental and Experimental Botany</i> , 2018, 150, 172-182.	4.2	92
4019	Accompanying ions of ammonium sources and nitrate : ammonium ratios in tomato plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 382-387.	1.9	9
4020	Response of <i>Dionaea muscipula</i> J. Ellis to light stress in vitro: physiological study. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 134, 65-77.	2.3	19
4021	Full-scale validation of an algal productivity model including nitrogen limitation. <i>Algal Research</i> , 2018, 31, 377-386.	4.6	14
4022	Effects of TiO ₂ , SiO ₂ , Ag and CdTe/CdS quantum dots nanoparticles on toxicity of cadmium towards <i>Chlamydomonas reinhardtii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 156, 75-86.	6.0	56
4023	Enhancing storage stability of guava with tannic acid-crosslinked zein coatings. <i>Food Chemistry</i> , 2018, 257, 252-258.	8.2	50
4024	Effects of Salt Stress on Photosynthetic Pigments and Activity of Ribulose-1,5-bisphosphate Carboxylase/Oxygenase in <i>Kalidium foliatum</i> . <i>Russian Journal of Plant Physiology</i> , 2018, 65, 98-103.	1.1	52
4025	Molecular insights into the functional role of nitric oxide (NO) as a signal for plant responses in chickpea. <i>Functional Plant Biology</i> , 2018, 45, 267.	2.1	12
4026	Effects of excess cadmium in soil on JIP-test parameters, hydrogen peroxide content and antioxidant activity in two maize inbreds and their hybrid. <i>Photosynthetica</i> , 2018, 56, 660-669.	1.7	14
4027	Effect of biochar on alleviation of cadmium toxicity in wheat (<i>Triticum aestivum</i> L.) grown on Cd-contaminated saline soil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25668-25680.	5.3	180
4028	Using chlorophyll fluorescence, photosynthetic enzymes and pigment composition to discriminate drought-tolerant ecotypes of <i>Argania spinosa</i> . <i>Plant Biosystems</i> , 2018, 152, 356-367.	1.6	13
4029	Arbuscular mycorrhizal symbiosis modifies the effects of a nitric oxide donor (sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 107 Td (nitrate) lettuce plants under well watered and drought conditions. <i>Symbiosis</i> , 2018, 74, 11-20.	2.3	11
4030	Effects of salt stress on low molecular antioxidants and redox state of plastoquinone and P700 in <i>Arabidopsis thaliana</i> (glycophyte) and <i>Eutrema salsugineum</i> (halophyte). <i>Photosynthetica</i> , 2018, 56, 811-819.	1.7	21

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4031	Low doses of glyphosate enhance growth, CO ₂ assimilation, stomatal conductance and transpiration in sugarcane and eucalyptus. <i>Pest Management Science</i> , 2018, 74, 1197-1205.	3.4	53
4032	Effects of TiO ₂ nanoparticles on the aquatic plant <i>Spirodela polyrrhiza</i> : Evaluation of growth parameters, pigment contents and antioxidant enzyme activities. <i>Journal of Environmental Sciences</i> , 2018, 64, 130-138.	6.1	93
4033	Effect of iron, zinc and manganese shortage-induced change on photosynthetic pigments, some osmoregulators and chlorophyll fluorescence parameters in lettuce. <i>Photosynthetica</i> , 2018, 56, 606-615.	1.7	61
4034	<i>Lisianthus</i> response to salinity stress. <i>Photosynthetica</i> , 2018, 56, 487-494.	1.7	4
4035	Toxicological sensitivity of <i>Pennisetum americanum</i> (L.) K. Schum to atrazine exposure. <i>International Journal of Phytoremediation</i> , 2018, 20, 635-642.	3.1	5
4036	A comparative study to evaluate efficiency of EDTA and calcium in alleviating arsenic toxicity to germinating and young <i>Vicia faba</i> L. seedlings. <i>Journal of Soils and Sediments</i> , 2018, 18, 2271-2281.	3.0	51
4037	Improvement of grapevine physiology and yield under summer stress by kaolin-foliar application: water relations, photosynthesis and oxidative damage. <i>Photosynthetica</i> , 2018, 56, 641-651.	1.7	42
4038	The redox state of the apoplast influences the acclimation of photosynthesis and leaf metabolism to changing irradiance. <i>Plant, Cell and Environment</i> , 2018, 41, 1083-1097.	5.7	47
4039	Biochar potential in intensive cultivation of <i>Capsicum annuum</i> L. (sweet pepper): crop yield and plant protection. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 495-503.	3.5	28
4040	Postharvest gaseous ozone treatment enhances quality parameters and delays softening in cantaloupe melon during storage at 6±0.5°C. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 487-494.	3.5	25
4041	Influence of foliar application of polyamines on growth, gas-exchange characteristics, and chlorophyll fluorescence in Bakraii citrus under saline conditions. <i>Photosynthetica</i> , 2018, 56, 731-742.	1.7	46
4042	Effect of high light intensity on the photosynthetic apparatus of two hybrid lines of <i>Paulownia</i> grown on soils with different salinity. <i>Photosynthetica</i> , 2018, 56, 832-840.	1.7	19
4043	Impact of zinc on dehydration and rehydration responses in tea. <i>Biologia Plantarum</i> , 2018, 62, 395-399.	1.9	6
4044	Long-term acclimation of barley photosynthetic apparatus to narrow-band red and blue light. <i>Photosynthetica</i> , 2018, 56, 851-860.	1.7	16
4045	Photosynthetic pigments, betalains, proteins, sugars, and minerals during <i>Salicornia brachiata</i> senescence. <i>Biologia Plantarum</i> , 2018, 62, 343-352.	1.9	17
4046	Freezing tolerance of chickpea: biochemical and molecular changes at vegetative stage. <i>Biologia Plantarum</i> , 2018, 62, 140-148.	1.9	16
4047	Large variability in ambient ozone sensitivity across 19 ethylenediurea-treated Chinese cultivars of soybean is driven by total ascorbate. <i>Journal of Environmental Sciences</i> , 2018, 64, 10-22.	6.1	26
4048	Growth and physiological features of <i>Chaetomorpha linum</i> (Müller) Kütz. in high density mats. <i>Marine Pollution Bulletin</i> , 2018, 129, 772-781.	5.0	14

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4049	European spruce bark beetle (<i>Ips typographus</i> , L.) green attack affects foliar reflectance and biochemical properties. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 64, 199-209.	2.8	71
4050	OsSLA4 encodes a pentatricopeptide repeat protein essential for early chloroplast development and seedling growth in rice. <i>Plant Growth Regulation</i> , 2018, 84, 249-260.	3.4	38
4051	Chlorophyll Fluorescence and Reflectance-Based Non-Invasive Quantification of Blast, Bacterial Blight and Drought Stresses in Rice. <i>Plant and Cell Physiology</i> , 2018, 59, 30-43.	3.1	13
4052	Abiotic Stress Phenotyping of Polyamine Mutants. <i>Methods in Molecular Biology</i> , 2018, 1694, 389-403.	0.9	3
4053	The effect of light quality on the pro-/antioxidant balance, activity of photosystem II, and expression of light-dependent genes in <i>Eutrema salsugineum</i> callus cells. <i>Photosynthesis Research</i> , 2018, 136, 199-214.	2.9	18
4054	Separation, identification and quantification of carotenoids and chlorophylls in dietary supplements containing <i>Chlorella vulgaris</i> and <i>Spirulina platensis</i> using High Performance Thin Layer Chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 108-118.	2.8	100
4055	Zinc application alleviates the adverse effects of lead stress more in female <i>Morus alba</i> than in males. <i>Environmental and Experimental Botany</i> , 2018, 146, 68-76.	4.2	39
4056	Postharvest physiology of <i>Corchorus olitorius</i> baby leaf growing with different nutrient solutions. <i>Journal of Horticultural Science and Biotechnology</i> , 2018, 93, 400-408.	1.9	4
4057	Response of photosynthetic apparatus in <i>Arabidopsis thaliana</i> L. mutant deficient in phytochrome A and B to UV-B. <i>Photosynthetica</i> , 2018, 56, 418-426.	1.7	10
4058	Magnetic field action on outdoor and indoor cultures of <i>Spirulina</i> : Evaluation of growth, medium consumption and protein profile. <i>Bioresource Technology</i> , 2018, 249, 168-174.	9.6	49
4059	Effects of simulated N deposition on foliar nutrient status, N metabolism and photosynthetic capacity of three dominant understory plant species in a mature tropical forest. <i>Science of the Total Environment</i> , 2018, 610-611, 555-562.	8.0	71
4060	Alleviation of cadmium toxicity in <i>Lemna minor</i> by exogenous salicylic acid. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 500-508.	6.0	87
4061	Manganese modulates the physiological and biochemical responses of <i>Mentha aquatica</i> L. to ultraviolet radiation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 45, 1-10.	3.0	4
4062	Temperature abuse timing affects the rate of quality deterioration of postharvest broccoli during different pre-storage stages. <i>Scientia Horticulturae</i> , 2018, 227, 207-212.	3.6	13
4063	The impact of operational strategies on the performance of a photo-EBPR system. <i>Water Research</i> , 2018, 129, 190-198.	11.3	24
4064	Bioagents and silicon promoting fast early upland rice growth. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3657-3668.	5.3	14
4065	Preparation of martite nanoparticles through high-energy planetary ball milling and its application toward simultaneous catalytic ozonation of two green algae. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 80-91.	5.3	14
4066	Effects of <i>Rhizophagus clarus</i> and P availability in the tolerance and physiological response of <i>Mucuna cinereum</i> to copper. <i>Plant Physiology and Biochemistry</i> , 2018, 122, 46-56.	5.8	15

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4067	Ecophysiological and phytochemical responses of <i>Salvia sinaloensis</i> Fern. to drought stress. <i>Plant Growth Regulation</i> , 2018, 84, 383-394.	3.4	56
4068	Synergistic dynamics of light, photoperiod and chemical stimulants influences biomass and lipid productivity in <i>Chlorella singularis</i> (UIND5) for biodiesel production. <i>Applied Biological Chemistry</i> , 2018, 61, 7-13.	1.9	28
4069	Pulses of low intensity light as promising technology to delay postharvest senescence of broccoli. <i>Postharvest Biology and Technology</i> , 2018, 142, 107-114.	6.0	30
4070	Characterization of mercury-induced stress biomarkers in <i>Fagopyrum tataricum</i> plants. <i>International Journal of Phytoremediation</i> , 2018, 20, 225-236.	3.1	49
4071	Salinity-induced cellular cross-talk in carbon partitioning reveals starch-to-lipid biosynthesis switching in low-starch freshwater algae. <i>Bioresource Technology</i> , 2018, 250, 449-456.	9.6	90
4072	Influences of the arbuscular mycorrhizal fungus <i>Glomus mosseae</i> on morphophysiological traits and biochemical compounds of common bean (<i>Phaseolus vulgaris</i>) under drought stress. <i>South African Journal of Plant and Soil</i> , 2018, 35, 121-127.	1.1	13
4073	Improvement on algae and turbidity removal in an integrated flotation and sedimentation unit using side flow-inclined plate settlers: evidence from a full-scale field experiment. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 84-98.	1.4	0
4074	Constitutive gibberellin response in grafted tomato modulates root-to-shoot signaling under drought stress. <i>Journal of Plant Physiology</i> , 2018, 221, 11-21.	3.5	39
4075	Scalable synthesis of two-dimensional nano-sheet materials with chlorophyll extracts: enhancing the hydrogen evolution reaction. <i>Green Chemistry</i> , 2018, 20, 525-533.	9.0	15
4076	Diaheliotropic leaf movement enhances leaf photosynthetic capacity and photosynthetic light and nitrogen use efficiency <i>via</i> optimising nitrogen partitioning among photosynthetic components in cotton (<i>Gossypium hirsutum</i> L.). <i>Plant Biology</i> , 2018, 20, 213-222.	3.8	14
4077	Effects of conifer wood biochar as a substrate component on ornamental performance, photosynthetic activity, and mineral composition of potted <i>Rosa rugosa</i> . <i>Journal of Horticultural Science and Biotechnology</i> , 2018, 93, 519-528.	1.9	21
4078	Induced change in <i>Arthrospira</i> sp. (<i>Spirulina</i>) intracellular and extracellular metabolites using multifactor stress combination approach. <i>Journal of Applied Phycology</i> , 2018, 30, 1563-1574.	2.8	23
4079	Quantification of <i>Tetrademus obliquus</i> (Chlorophyceae) cell size and lipid content heterogeneity at single-cell level. <i>Journal of Phycology</i> , 2018, 54, 187-197.	2.3	19
4080	Assessment of edibility and effect of arbuscular mycorrhizal fungi on <i>Solanum melongena</i> L. grown under heavy metal(loid) contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 318-326.	6.0	44
4081	Biochar alleviates phytotoxicity in <i>Ficus elastica</i> grown in Zn-contaminated soil. <i>Science of the Total Environment</i> , 2018, 618, 188-198.	8.0	44
4082	A whole cell optical bioassay for the detection of chemical warfare mustard agent simulants. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 658-665.	7.8	14
4083	Photoautotrophic production of macular pigment in a <i>Chlamydomonas reinhardtii</i> strain generated by using DNA-free CRISPR-Cas9 RNP-mediated mutagenesis. <i>Biotechnology and Bioengineering</i> , 2018, 115, 719-728.	3.3	92
4084	Algal biofuel production coupled bioremediation of biomass power plant wastes based on <i>Chlorella</i> sp. C2 cultivation. <i>Applied Energy</i> , 2018, 211, 296-305.	10.1	55

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4089	Predicting macroalgal pigments (chlorophyll <i>a</i> , chlorophyll <i>b</i> , Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 592 Td (chlorophyll <i>a</i> high-resolution hyperspectral spectroradiometers. <i>International Journal of Remote Sensing</i> , 2018, 39, 5716-5738.	2.9	20
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4091	Photochemical changes and oxidative damage in four foxtail millet varieties following exposure to sethoxydim. <i>Photosynthetica</i> , 2018, 56, 820-831.	1.7	6
4092	Responses of <i>Oryza sativa</i> L. towards Azo Functionalised Schiff base Cu(II) Complexes and CuSO ₄ : A Comparative Biochemical Study. <i>Oriental Journal of Chemistry</i> , 2018, 34, 1991-2001.	0.3	0
4093	Eco-physiological responses and biochemical characterization of different accessions of <i>Corchorus olitorius</i> (L.). <i>Folia Horticulturae</i> , 2018, 30, 333-346.	1.8	2
4094	A study of the phytotoxic effects of the aerial parts of <i>Senecio westermanii</i> DuRoi (Asteraceae) on <i>Lactuca sativa</i> L. and <i>Allium cepa</i> L. seeds. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2018, 54, .	1.2	3
4095	Threshold Tolerance of New Genotypes of <i>Pennisetum glaucum</i> (L.) R. Br. to Salinity and Drought. <i>Agronomy</i> , 2018, 8, 230.	3.0	14
4096	The Common Bean (<i>Phaseolus vulgaris</i>) Basic Leucine Zipper (bZIP) Transcription Factor Family: Response to Salinity Stress in Fertilized and Symbiotic N ₂ -Fixing Plants. <i>Agriculture (Switzerland)</i> , 2018, 8, 160.	3.1	5
4097	Modifications of morphological and physiological characteristics of pigmented-rice seedlings by application of titanium dioxide nanoparticles. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
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4099	Effects of exogenous proline on the physiological characteristics of <i>Triticum aestivum</i> L. and <i>Lens culinaris</i> Medik. under drought stress. <i>Acta Agriculturae Slovenica</i> , 2018, 111, .	0.3	11
4100	Field-grown soybean transcriptome shows diurnal patterns in photosynthesis-related processes. <i>Plant Direct</i> , 2018, 2, e00099.	1.9	10
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4102	Production of kiwi snack slice with different thickness: Drying kinetics, sensory and physicochemical analysis. <i>Australian Journal of Crop Science</i> , 2018, 12, 778-787.	0.3	15

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4104	Effect of 24-epibrassinolide on UCB1 pistachio rootstock under salinity stress. Acta Horticulturae, 2018, , 177-184.	0.2	2
4105	Oxidative Damage and Antioxidant Response in <i>Chenopodium murale</i> L. Exposed to Elevated Levels of Zn. Brazilian Archives of Biology and Technology, 2018, 61, .	0.5	10
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4116	GERMINATION AND INITIAL GROWTH OF <i>Sesbania punicea</i> (Cav.)Benth.: INFLUENCE OF SALINITY, FLOODING AND LIGHT1. Revista Arvore, 2018, 42, .	0.5	0
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4118	In vitro plant growth promotion by ZnO nanomaterials in indica rice seedlings (<i>Oryza sativa</i> L.). Materials Today: Proceedings, 2018, 5, 14944-14949.	1.8	5
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4120	Evaluation of photosynthesis, physiological, and biochemical responses of chickpea (<i>Cicer arietinum</i>) Tj ETQq1 1 0.784314 rgBT /Overdo Agriculture, 2018, 17, 2426-2437.	3.5	52

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4123	Exogenous Melatonin Protects Canola Plants from Toxicity of Excessive Copper. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 882-889.	1.1	19
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4125	Exogenous application of gibberellic acid participates in up-regulation of lipid biosynthesis under salt stress in rice. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 335-345.	2.4	13
4126	Real-Time Monitoring of <i>Tetraselmis suecica</i> in A Saline Environment as Means of Early Water Pollution Detection. <i>Toxics</i> , 2018, 6, 57.	3.7	5
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4129	Synthesis, Characterization and Herbicidal Activity of Amide Derivatives of Glyphosate. <i>Oriental Journal of Chemistry</i> , 2018, 34, 2378-2383.	0.3	5
4130	Effect of 1-MCP and low-temperature storage on postharvest conservation of camu-camu. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	3
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4133	Transcriptome profiling of two contrasting ornamental cabbage (<i>Brassica oleracea</i> var. <i>acephala</i>) lines provides insights into purple and white inner leaf pigmentation. <i>BMC Genomics</i> , 2018, 19, 797.	2.8	27
4134	Phenotypic plasticity of polyploid plant species promotes transgressive behaviour in their hybrids. <i>AoB PLANTS</i> , 2018, 10, ply055.	2.3	20
4135	Growth, biochemical response and nutritional status of Angico-Vermelho (<i>Parapiptadenia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF <i>International Journal of Phytoremediation</i> , 2018, 20, 1380-1388.	3.1	3
4136	Morphological and physiological effects of two different light sources on in vitro multiplication of chestnut and prickled broom. <i>Acta Horticulturae</i> , 2018, , 57-66.	0.2	0
4137	Mitigation of glyphosate-based herbicide toxicity in maize (<i>Zea mays</i> L.) seedlings by ascorbic acid. <i>Toxicological and Environmental Chemistry</i> , 2018, 100, 550-559.	1.2	3
4138	Nedestruktivna procjena koncentracije fotosintetskih pigmenata u lišću hrasta lužnjaka (<i>Quercus</i>) Tj ETQq0 0 0 rgBT /Overlock 4	0.3	4
4139	Low Infection of <i>Phelipanche aegyptiaca</i> in Micro-Tom Mutants Deficient in CAROTENOID CLEAVAGE DIOXYGENASE 8. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2645.	4.1	10

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4146	Effects of soil treatment with abattoir effluent on morphological and biochemical profiles of cowpea seedlings (<i>V. unguiculata</i>) grown in gasoline polluted soil. Ife Journal of Science, 2018, 20, 51.	0.3	3
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4156	The effect of hydro and proline seed priming on growth, proline and sugar content, and antioxidant activity of maize under cadmium stress. Environmental Science and Pollution Research, 2018, 25, 33370-33380.	5.3	43
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4159	Passive modified atmosphere affects the quality of minimally processed escarole. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13724.	2.0	2
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4161	Metabolic modelling and energy parameter estimation of <i>Tetrademus obliquus</i> . <i>Algal Research</i> , 2018, 35, 378-387.	4.6	6
4162	Early Stage Detection of Stress Due to Copper on Maize (<i>Zea mays</i> L.) by Laser-Induced Fluorescence and Infrared Spectroscopy. <i>Journal of Applied Spectroscopy</i> , 2018, 85, 771-780.	0.7	8
4163	Effects of cesium accumulation on chlorophyll content and fluorescence of <i>Brassica juncea</i> L.. <i>Journal of Environmental Radioactivity</i> , 2018, 195, 26-32.	1.7	39
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4173	Effects of nutrients and processing on the nutritionally important metabolites of <i>Ulva</i> sp. (Chlorophyta). <i>Algal Research</i> , 2018, 35, 586-594.	4.6	21
4174	Aluminum effects on photosynthesis, reactive oxygen species and methylglyoxal detoxification in two Citrus species differing in aluminum tolerance. <i>Tree Physiology</i> , 2018, 38, 1548-1565.	3.1	77
4175	Micropropagation and Ex Vitro Rooting of Wolfberry. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 1494-1499.	1.0	11

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4177	Morph-physiological responses of cotton interspecific chromosome substitution lines to low temperature and drought stresses. <i>Euphytica</i> , 2018, 214, 1.	1.2	6
4178	Chromium (VI) induced stress response in the plant <i>Plantago ovata</i> Forsk in vitro. <i>Genes and Environment</i> , 2018, 40, 21.	2.1	24
4179	Gene mapping of starch accumulation and premature leaf senescence in the <i>ossac3</i> mutant of rice. <i>Euphytica</i> , 2018, 214, 1.	1.2	12
4180	Chemical composition and herbicidal action of essential oil from <i>Tagetes erecta</i> L. leaves. <i>Industrial Crops and Products</i> , 2018, 126, 129-134.	5.2	49
4181	Free proline, total soluble sugar enrichment, photosynthetic abilities and growth performances in dragon fruit (<i>Hylocereus undatus</i> (Haw) Britt. & Rose) grown under mannitol-induced water deficit stress. <i>Acta Horticulturae</i> , 2018, , 113-120.	0.2	3
4182	Cytogenetic Analyses of PSL1 Mutant, a Novel Low Temperature Sensitive Purple Striped Leaf Color Mutant in Wheat. <i>Crop Science</i> , 2018, 58, 1919-1931.	1.8	4
4183	Tracing the biosynthetic origin of limonoids and their functional groups through stable isotope labeling and inhibition in neem tree (<i>Azadirachta indica</i>) cell suspension. <i>BMC Plant Biology</i> , 2018, 18, 230.	3.6	19
4184	Kaolin particle film modulates morphological, physiological and biochemical olive tree responses to drought and rewatering. <i>Plant Physiology and Biochemistry</i> , 2018, 133, 29-39.	5.8	29
4185	Effects of variability in daily light integrals on the photophysiology of the corals <i>Pachyseris speciosa</i> and <i>Acropora millepora</i> . <i>PLoS ONE</i> , 2018, 13, e0203882.	2.5	24
4186	Molecular distribution and toxicity assessment of yttrium in <i>Elodea canadensis</i> . <i>Marine and Freshwater Research</i> , 2018, 69, 690.	1.3	2
4187	Residual impact of biochar on cadmium uptake by rice (<i>Oryza sativa</i> L.) grown in Cd-contaminated soil. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	16
4188	Distinctive physiological and molecular responses to cold stress among cold-tolerant and cold-sensitive <i>Pinus halepensis</i> seed sources. <i>BMC Plant Biology</i> , 2018, 18, 236.	3.6	43
4189	A R2R3-MYB transcription factor gene, <i>FtMYB13</i> , from Tartary buckwheat improves salt/drought tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 132, 238-248.	5.8	47
4190	Photosynthetic apparatus plays a central role in photosensitive physiological acclimations affecting spinach (<i>Spinacia oleracea</i> L.) growth in response to blue and red photon flux ratios. <i>Environmental and Experimental Botany</i> , 2018, 156, 170-182.	4.2	35
4191	Characterization of additional zinc ions on the growth, biochemical composition and photosynthetic performance from <i>Spirulina platensis</i> . <i>Bioresource Technology</i> , 2018, 269, 285-291.	9.6	59
4192	Calcium ameliorates the toxicity of sulfate salinity in <i>Brassica rapa</i> . <i>Journal of Plant Physiology</i> , 2018, 231, 1-8.	3.5	9
4193	Microcosm incubation study for monitoring the mid-term effects of different biochars on acidic sandy soil applying a multiparameter approach. <i>Chemical Engineering Research and Design</i> , 2018, 120, 24-36.	5.6	4

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4195	Smartphone near infrared monitoring of plant stress. <i>Computers and Electronics in Agriculture</i> , 2018, 154, 93-98.	7.7	33
4196	Morphological responses of <i>Rhizophora harrisonii</i> by pollution in the main port zone of Guayaquil “Ecuador. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
4197	Increased Gibberellins and Light Levels Promotes Cell Wall Thickness and Enhance Lignin Deposition in Xylem Fibers. <i>Frontiers in Plant Science</i> , 2018, 9, 1391.	3.6	59
4198	Assisted phytostabilisation of As, Pb and Sb-contaminated Technosols with mineral and organic amendments using Douglas fir (<i>Pseudotsuga menziesii</i> (Mirb.) Franco). <i>Environmental Science and Pollution Research</i> , 2018, 25, 32292-32302.	5.3	6
4199	The sucrose non-fermenting-1-related protein kinases SAPK1 and SAPK2 function collaboratively as positive regulators of salt stress tolerance in rice. <i>BMC Plant Biology</i> , 2018, 18, 203.	3.6	83
4200	A cytosolic class II small heat shock protein, PfHSP17.2, confers resistance to heat, cold, and salt stresses in transgenic <i>Arabidopsis</i> . <i>Genetics and Molecular Biology</i> , 2018, 41, 649-660.	1.3	25
4201	Biochemical Alterations of Weeds in Response to Stress Caused by Herbicides and Total Plant Submersion. <i>Planta Daninha</i> , 2018, 35, .	0.5	1
4202	The MYB-related transcription factor RADIALIS-LIKE3 (OsRL3) functions in ABA-induced leaf senescence and salt sensitivity in rice. <i>Environmental and Experimental Botany</i> , 2018, 156, 86-95.	4.2	44
4203	Potential of Photochemical Reflectance Index for Indicating Photochemistry and Light Use Efficiency in Leaves of European Beech and Norway Spruce Trees. <i>Remote Sensing</i> , 2018, 10, 1202.	4.0	38
4204	Profiling of anthocyanins and carotenoids in fruit peel of different colored mango cultivars. <i>Journal of Food Science and Technology</i> , 2018, 55, 4566-4577.	2.8	45
4205	Growth of dropwort plants and their accumulation of bioactive compounds after exposure to UV lamp or LED irradiation. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 659-670.	2.1	9
4206	Fulvic Acid Prevents Chromium-induced Morphological, Photosynthetic, and Oxidative Alterations in Wheat Irrigated with Tannery Waste Water. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1357-1367.	5.1	22
4207	Process for selective extraction of pigments and functional proteins from <i>Chlorella vulgaris</i> . <i>Algal Research</i> , 2018, 35, 185-193.	4.6	61
4208	Changes in leaf gas exchange and chlorophyll fluorescence on soybean plants supplied with silicon and infected by <i>Cercospora soja</i> . <i>Journal of Phytopathology</i> , 2018, 166, 747-760.	1.0	5
4209	Effects of aged ZnO NPs and soil type on Zn availability, accumulation and toxicity to pea and beet in a greenhouse experiment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 222-230.	6.0	60
4210	Effect of the exogenous anthocyanin extract on key metabolic pathways and antioxidant status of Brazilian elodea (<i>Egeria densa</i> (Planch.) Casp.) exposed to cadmium and manganese. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 197-206.	6.0	27
4211	Involvement of type-f thioredoxins during germination and early seedling development and in response to oxidative stress in <i>Arabidopsis thaliana</i> . <i>Botany</i> , 2018, 96, 471-484.	1.0	2

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4213	Exogenous putrescine changes redox regulations and essential oil constituents in field-grown <i>Thymus vulgaris</i> L. under well-watered and drought stress conditions. <i>Industrial Crops and Products</i> , 2018, 122, 119-132.	5.2	83
4214	High pCO ₂ -induced exopolysaccharide-rich ballasted aggregates of planktonic cyanobacteria could explain Paleoproterozoic carbon burial. <i>Nature Communications</i> , 2018, 9, 2116.	12.8	19
4215	Proteomic and functional analysis of soybean chlorophyll-deficient mutant <i>cd1</i> and the underlying gene encoding the CHL1 subunit of Mg-chelatase. <i>Molecular Breeding</i> , 2018, 38, 1.	2.1	13
4216	Reproductive sink enhanced drought induced senescence in wheat fertile line is associated with loss of antioxidant competence compared to its CMS line. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 591-604.	3.1	7
4217	Ecotoxicity evaluation of natural suspended particles using the microalga, <i>Euglena gracilis</i> . <i>Chemosphere</i> , 2018, 206, 802-808.	8.2	5
4218	Orthogonal fertilization tests designed to optimize the quality of <i>Eucalyptus</i> seedlings. <i>Journal of Plant Nutrition</i> , 2018, 41, 1507-1521.	1.9	6
4219	Maize seed cryo-storage modifies chlorophyll, carotenoid, protein, aldehyde and phenolics levels during early stages of germination. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	12
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4222	Sulfate improves cadmium tolerance by limiting cadmium accumulation, modulation of sulfur metabolism and antioxidant defense system in maize. <i>Environmental and Experimental Botany</i> , 2018, 153, 143-162.	4.2	71
4223	Inducing drought tolerance in greenhouse grown <i>Juglans regia</i> by imposing controlled salt stress: The role of osmotic adjustment. <i>Scientia Horticulturae</i> , 2018, 239, 181-192.	3.6	30
4224	Physiological Mechanisms of <i>Solanum tuberosum</i> L. Plants' Tolerance to Chloride Salinity. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 394-403.	1.1	13
4225	Impact assessment of leaf pigments in selected landscape plants exposed to roadside dust. <i>Environmental Science and Pollution Research</i> , 2018, 25, 23055-23073.	5.3	28
4226	Sprouted and Freeze-Dried Wheat and Oat Seeds – Phytochemical Profile and <i>in Vitro</i> Biological Activities. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800119.	2.1	17
4227	Transverse thin cell layer (t-TCL)-mediated improvised micropropagation protocol for endangered medicinal orchid <i>Dendrobium aphyllum</i> Roxb: an integrated phytomolecular approach. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	40
4228	The influence of trampling disturbance on the fluorescence and pigment concentration of <i>Sargassum</i> beds (Fucales). <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 506, 163-170.	1.5	3
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4231	Methyl jasmonate alleviates drought stress in young sugar beet (<i>Beta vulgaris</i> L.) plants. Journal of Agronomy and Crop Science, 2018, 204, 566-576.	3.5	41
4232	Transcriptome analysis of leaf senescence in red clover (<i>Trifolium pratense</i> L.). Physiology and Molecular Biology of Plants, 2018, 24, 753-765.	3.1	22
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4234	The influence of phenols extracted from olive mill wastewater on the heterotrophic and mixotrophic growth of <i>Scenedesmus</i> sp.. Journal of Chemical Technology and Biotechnology, 2018, 93, 3619-3626.	3.2	27
4235	Phytostimulatory effect of silver nanoparticles (AgNPs) on rice seedling growth: An insight from antioxidative enzyme activities and gene expression patterns. Ecotoxicology and Environmental Safety, 2018, 161, 624-633.	6.0	164
4236	The Effect of Ferrous Nano-oxide Particles on Physiological Traits and Nutritional Compounds of Soybean (<i>Glycine max</i> L.) Seed. Anais Da Academia Brasileira De Ciencias, 2018, 90, 485-494.	0.8	49
4237	Circadian control of <i>ORE1</i> by PRR9 positively regulates leaf senescence in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8448-8453.	7.1	99
4238	Effect of cerium on growth and antioxidant metabolism of <i>Lemna minor</i> L.. Ecotoxicology and Environmental Safety, 2018, 163, 536-543.	6.0	35
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4241	Expression of a Plastid-Targeted Flavodoxin Decreases Chloroplast Reactive Oxygen Species Accumulation and Delays Senescence in Aging Tobacco Leaves. Frontiers in Plant Science, 2018, 9, 1039.	3.6	46
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4243	Embedding photosynthetic biorefineries with circular economies: Exploring the waste recycling potential of <i>Arthrospira</i> sp. to produce high quality by-products. Bioresource Technology, 2018, 268, 237-246.	9.6	13
4244	Physiological mechanisms for delaying the leaf yellowing of potted geranium plants. Scientia Horticulturae, 2018, 242, 146-154.	3.6	17
4245	Novel Insights into the Influence of Seed Sarcotesta Photosynthesis on Accumulation of Seed Dry Matter and Oil Content in <i>Torreyia grandis</i> cv. 'Merrillii'. Frontiers in Plant Science, 2017, 8, 2179.	3.6	15
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4249	The Rice Rolled Fine Striped (RFS) CHD3/Mi-2 Chromatin Remodeling Factor Epigenetically Regulates Genes Involved in Oxidative Stress Responses During Leaf Development. <i>Frontiers in Plant Science</i> , 2018, 9, 364.	3.6	20
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4254	Terpene Moiety Enhancement by Overexpression of Geranyl(geranyl) Diphosphate Synthase and Geraniol Synthase Elevates Monomeric and Dimeric Monoterpene Indole Alkaloids in Transgenic <i>Catharanthus roseus</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 942.	3.6	35
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4258	Effect of Silicon on the Tolerance of Wheat (<i>Triticum aestivum</i> L.) to Salt Stress at Different Growth Stages: Case Study for the Management of Irrigation Water. <i>Plants</i> , 2018, 7, 29.	3.5	24
4259	Salinity alleviates zinc toxicity in the saltmarsh zinc-accumulator <i>Juncus acutus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 478-485.	6.0	18
4260	The Small Regulatory Antisense RNA PilR Affects Pilus Formation and Cell Motility by Negatively Regulating pilA11 in <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Microbiology</i> , 2018, 9, 786.	3.5	15
4261	Photosynthesis of Sago Palm (<i>Metroxylon sagu</i> Rottb.) Seedling at Different Air Temperatures. <i>Agriculture (Switzerland)</i> , 2018, 8, 4.	3.1	8
4262	Effects of Different Metals on Photosynthesis: Cadmium and Zinc Affect Chlorophyll Fluorescence in Durum Wheat. <i>International Journal of Molecular Sciences</i> , 2018, 19, 787.	4.1	257
4263	Separate and Combined Response to UV-B Radiation and Jasmonic Acid on Photosynthesis and Growth Characteristics of <i>Scutellaria baicalensis</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 1194.	4.1	16
4264	Candidate Genes for Yellow Leaf Color in Common Wheat (<i>Triticum aestivum</i> L.) and Major Related Metabolic Pathways according to Transcriptome Profiling. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1594.	4.1	66
4265	Selenium Improves Physiological Parameters and Alleviates Oxidative Stress in Strawberry Seedlings under Low-Temperature Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1913.	4.1	79

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4267	Treatment of Anaerobic Digester Effluent Using <i>Acorus calamus</i> : Effects on Plant Growth and Tissue Composition. <i>Plants</i> , 2018, 7, 36.	3.5	6
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4269	Measurement of Diurnal Variation in Needle PRI and Shoot Photosynthesis in a Boreal Forest. <i>Remote Sensing</i> , 2018, 10, 1019.	4.0	3
4270	Bioremediation of effluent from a uranium mill tailings repository in South China by <i>Azolla</i> – <i>Anabaena</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 739-746.	1.5	6
4271	Release Kinetic Studies of <i>Stevia rebaudiana</i> Extract Capsules from Sodium Alginate and Inulin by Ionotropic Gelation. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-8.	1.8	2
4272	Hyperspectral imaging to characterize plant–plant communication in response to insect herbivory. <i>Plant Methods</i> , 2018, 14, 54.	4.3	22
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4278	Comparative study of the phytotoxicity of ZnO nanoparticles and Zn accumulation in nine crops grown in a calcareous soil and an acidic soil. <i>Science of the Total Environment</i> , 2018, 644, 770-780.	8.0	103
4279	Relationship between Pigment Composition and Peel Color for the Fruit of Chinese Flame Tree. <i>Journal of the American Society for Horticultural Science</i> , 2018, 143, 184-193.	1.0	4
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4282	Analysis of thermotolerance behaviour of five chickpea genotypes at early growth stages. <i>Revista Brasileira De Botanica</i> , 2018, 41, 551-565.	1.3	11
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4284	Lipid productivity in limnetic <i>Chlorella</i> is doubled by seawater added with anaerobically digested effluent from kitchen waste. <i>Biotechnology for Biofuels</i> , 2018, 11, 68.	6.2	36
4285	Toxicity assessment of cobalt ferrite nanoparticles on wheat plants. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 604-619.	2.3	22
4286	Multicomponent inverse modeling of supercritical fluid extraction of carotenoids, chlorophyll A, ergosterol and lipids from microalgae. <i>Journal of Supercritical Fluids</i> , 2018, 139, 53-61.	3.2	25
4287	Alleviation of cold damage by exogenous application of melatonin in vegetatively propagated tea plant (<i>Camellia sinensis</i> (L.) O. Kuntze). <i>Scientia Horticulturae</i> , 2018, 238, 356-362.	3.6	50
4288	The rice zebra3 (z3) mutation disrupts citrate distribution and produces transverse dark-green/green variegation in mature leaves. <i>Rice</i> , 2018, 11, 1.	4.0	87
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4290	Effects of GeO ₂ on chlorophyll fluorescence and antioxidant enzymes in apple leaves under strong light. <i>Photosynthetica</i> , 2018, 56, 1081-1092.	1.7	9
4291	Response mechanism in <i>Populus euphratica</i> cv. '74/76' revealed by RNA-seq under salt stress. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	8
4292	De novo transcriptome analysis of an albino mutant <i>Pasphipedium pacificum</i> shamrock reveals reduced expression of genes related to chloroplast biosynthesis and division. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 411-421.	2.1	3
4293	Effect of foliar-applied iron complexed with lysine on growth and cadmium (Cd) uptake in rice under Cd stress. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20691-20699.	5.3	76
4294	Phosphorus assimilation of Chinese fir from two provenances during acclimation to changing phosphorus availability. <i>Environmental and Experimental Botany</i> , 2018, 153, 21-34.	4.2	22
4295	The interplay between cytokinins and light during senescence in detached <i>Arabidopsis</i> leaves. <i>Plant, Cell and Environment</i> , 2018, 41, 1870-1885.	5.7	23
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4297	Novel insight of carotenoid and lipid biosynthesis and their roles in storage carbon metabolism in <i>Chlamydomonas reinhardtii</i> . <i>Bioresource Technology</i> , 2018, 263, 450-457.	9.6	37
4298	Physiological profile of CAX1a TILLING mutants of <i>Brassica rapa</i> exposed to different calcium doses. <i>Plant Science</i> , 2018, 272, 164-172.	3.6	11
4299	Poly- β -glutamic acid, a bio-chelator, alleviates the toxicity of Cd and Pb in the soil and promotes the establishment of healthy <i>Cucumis sativus</i> L. seedling. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19975-19988.	5.3	36
4300	The acclimatization strategies of kidney vetch (<i>Anthyllus vulneraria</i> L.) to Pb toxicity. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19739-19752.	5.3	27
4301	Ascorbate-mediated regulation of growth, photoprotection, and photoinhibition in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 2823-2835.	4.8	54

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4308	Carotenoids in roots indicated the level of stress induced by mannitol and sodium azide treatment during the early stages of maize germination. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	2
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4310	Identification and Gene Mapping of an Early Senescent Leaf Mutant <i>esl11</i> of Rice. <i>Crop Science</i> , 2018, 58, 1932-1941.	1.8	5
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4461	Iron toxicity-induced physiological and metabolite profile variations among tolerant and sensitive rice varieties. <i>Plant Signaling and Behavior</i> , 2019, 14, 1682829.	2.4	14
4462	Changes in gene expression and metabolic profile of drupes of <i>Olea europaea</i> L. cv Carolea in relation to maturation stage and cultivation area. <i>BMC Plant Biology</i> , 2019, 19, 428.	3.6	21
4463	Glutathione and hydrogen sulfide are required for sulfurâ€mediated mitigation of Cr(VI) toxicity in tomato, pea and brinjal seedlings. <i>Physiologia Plantarum</i> , 2020, 168, 406-421.	5.2	35
4464	Morphological characterization, growth appraisal, and probing biofuels potential of newly isolated <i>Scenedesmus</i> sp. from desert Cholistan. <i>Microscopy Research and Technique</i> , 2019, 82, 2079-2088.	2.2	6
4465	Physiological and Molecular Responses in Rice, Weedy Rice and Barnyardgrass Exposed to Supra-Optimal Temperatures. <i>Planta Daninha</i> , 0, 37, .	0.5	5
4466	Protein Elicitor PeaT1 Efficiently Controlled Barley Yellow Dwarf Virus in Wheat. <i>Agriculture (Switzerland)</i> , 2019, 9, 193.	3.1	1
4467	Hydrogen Peroxide and Superoxide Anion Radical Photoproduction in PSII Preparations at Various Modifications of the Water-Oxidizing Complex. <i>Plants</i> , 2019, 8, 329.	3.5	18
4468	Characterization of chlorophyll f synthase heterologously produced in <i>Synechococcus</i> sp. PCC 7002. <i>Photosynthesis Research</i> , 2019, 140, 77-92.	2.9	56
4469	Application of zeolite and bacterial fertilizers modulates physiological performance and essential oil production in dragonhead under different irrigation regimes. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	8
4470	Exogenous application of cytokinin during dark senescence eliminates the acceleration of photosystem II impairment caused by chlorophyll b deficiency in barley. <i>Plant Physiology and Biochemistry</i> , 2019, 136, 43-51.	5.8	20
4471	Microalgae nourished by mariculture wastewater aids aquaculture self-reliance with desirable biochemical composition. <i>Bioresource Technology</i> , 2019, 278, 205-213.	9.6	31
4472	Determination of phenolic compounds, antioxidant and anticancer activity of <i>Chrozophora tinctoria</i> accessions collected from different regions of Iran. <i>Journal of Food Biochemistry</i> , 2019, 43, e13036.	2.9	12
4473	Enhancing Stability of Microalgae Biocathode by a Partially Submerged Carbon Cloth Electrode for Bioenergy Production from Wastewater. <i>Energies</i> , 2019, 12, 3229.	3.1	28
4474	Effectiveness of 2-Hydroxybenzoic Acid in Physiologic Response of Basket Willow (<i>Salix viminalis</i> L.) on Stress Induced by Cadmium. <i>Russian Journal of Plant Physiology</i> , 2019, 66, 785-794.	1.1	0
4475	Carbon nanoparticles assisted energy transport mechanism in leaves: A thermal lens study. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	14
4476	Early Diagnosis of Vegetation Health From High-Resolution Hyperspectral and Thermal Imagery: Lessons Learned From Empirical Relationships and Radiative Transfer Modelling. <i>Current Forestry Reports</i> , 2019, 5, 169-183.	7.4	58
4477	Functional Activity of the Photosynthetic Apparatus in Tobacco and Arabidopsis Plants Exposed to Chilling Temperatures. <i>Russian Journal of Plant Physiology</i> , 2019, 66, 102-109.	1.1	3
4478	Different Structures in Humic Substances Lead to Impaired Germination but Increased Protection against Saline Stress in Corn. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 2209-2225.	1.4	3

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4479	The coordinated action of <scp>PPR</scp>4 and <scp>EMB</scp>2654 on each intron half mediates <i>trans</i>-splicing of <i>rps12</i> transcripts in plant chloroplasts. Plant Journal, 2019, 100, 1193-1207.	5.7	42
4480	Mode of Action in Bacteria Bacillus subtilis no. 2 and Humic Preparation on Fruit Formation in Sweet Pepper. Russian Agricultural Sciences, 2019, 45, 344-350.	0.2	0
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4482	Ecotoxicological and biochemical effects of environmental concentrations of the plastic-bond pollutant dibutyl phthalate on Scenedesmus sp.. Aquatic Toxicology, 2019, 215, 105281.	4.0	19
4483	Improvement of some growth and yield parameters of faba bean (Vicia faba) by inoculation with Rhizobium laguerreae and arbuscular mycorrhizal fungi. Crop and Pasture Science, 2019, 70, 595.	1.5	22
4484	Overexpression of the maize transcription factor ZmVQ52 accelerates leaf senescence in Arabidopsis. PLoS ONE, 2019, 14, e0221949.	2.5	16
4485	Contents of Pigments and Activity of Antioxidant Enzymes in Rice Plants Pre-Treated with Sodium Nitroprusside and Exposed to Clomazone. Planta Daninha, 0, 37, .	0.5	6
4486	Photosynthetic and antioxidative strategies of flag leaf maturation and its impact to grain yield of two field-grown wheat varieties. Theoretical and Experimental Plant Physiology, 2019, 31, 387-399.	2.4	7
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4490	Characterization of synergy between Cucumber mosaic virus and Alternaria alternata in Nicotiana tabacum. Physiological and Molecular Plant Pathology, 2019, 108, 101404.	2.5	12
4491	Physiological assessment of water deficit in soybean using midday leaf water potential and spectral features. Journal of Plant Interactions, 2019, 14, 533-543.	2.1	46
4492	Evaluation of Arsenic-Induced Stress in <i>Dahlia pinnata</i> Cav.: Morphological and Physiological Response. Soil and Sediment Contamination, 2019, 28, 716-728.	1.9	25
4493	Differences between sun and shade habitats on the invasive shrub Lantana camara and its biocontrol agent Teleonemia scrupulosa. Arthropod-Plant Interactions, 2019, 13, 885-893.	1.1	4
4494	Response of grass pea (Lathyrus sativus L.) photosynthetic apparatus to short-term intensive UV-A:red radiation. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	7
4495	Seed priming with H ₂ S and Ca ²⁺ trigger signal memory that induces cross-adaptation against nickel stress in zucchini seedlings. Plant Physiology and Biochemistry, 2019, 143, 286-298.	5.8	69
4496	Response of tomato plants to interaction effects of magnetic (Fe₃O₄) nanoparticles and cadmium stress. Journal of Plant Interactions, 2019, 14, 474-481.	2.1	47

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4498	Morphological, physiological and biochemical aspects of salt tolerance of halophyte <i>Petrosimonia triandra</i> grown in natural habitat. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 1335-1347.	3.1	6
4499	Low intensity light treatment improves purple kale (<i>Brassica oleracea</i> var. <i>sabellica</i>) postharvest preservation at room temperature. <i>Heliyon</i> , 2019, 5, e02467.	3.2	17
4500	Aluminium stress modulates the osmolytes and enzyme defense system in <i>Fagopyrum</i> species. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 178-186.	5.8	43
4501	Facilitating effects of plant hormones on biomass production and nutrients removal by <i>Tetraselmis cordiformis</i> for advanced sewage treatment and its mechanism. <i>Science of the Total Environment</i> , 2019, 693, 133650.	8.0	16
4502	Growth of pigmented rice (<i>Oryza sativa</i> L. cv. Riceberry) exposed to ZnO nanoparticles. <i>Materials Today: Proceedings</i> , 2019, 17, 1987-1994.	1.8	5
4503	Strategies for enhancement of alpha-linolenic acid rich lipids in <i>Desmodemus</i> sp. without compromising the biomass production. <i>Bioresource Technology</i> , 2019, 294, 122215.	9.6	8
4504	Nitric oxide is involved in the regulation of melatonin-induced antioxidant responses in <i>Catharanthus roseus</i> roots under cadmium stress. <i>Botany</i> , 2019, 97, 681-690.	1.0	45
4505	Development of dwarfish and yield-effective GM maize through passivation of bioactive gibberellin. <i>Transgenic Research</i> , 2019, 28, 589-599.	2.4	10
4506	Metal(loid) induced toxicity and defense mechanisms in <i>Spinacia oleracea</i> L.: Ecological hazard and Prospects for phytoremediation. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109570.	6.0	18
4507	Leaf chlorophyll content retrieval of wheat by simulated RapidEye, Sentinel-2 and EnMAP data. <i>Journal of Integrative Agriculture</i> , 2019, 18, 1230-1245.	3.5	15
4508	Alternating Red and Blue Light-Emitting Diodes Allows for Injury-Free Tomato Production With Continuous Lighting. <i>Frontiers in Plant Science</i> , 2019, 10, 1114.	3.6	31
4509	Gamma radiation degradation of chitosan for application in growth promotion and induction of stress tolerance in potato (<i>Solanum tuberosum</i> L.). <i>Carbohydrate Polymers</i> , 2019, 210, 289-301.	10.2	104
4510	Noncanonical ATC8-ABS3 interaction controls senescence in plants. <i>Nature Plants</i> , 2019, 5, 212-224.	9.3	60
4511	Effects of Modifiers on the Growth, Photosynthesis, and Antioxidant Enzymes of Cotton Under Cadmium Toxicity. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 1196-1205.	5.1	28
4512	Detoxification mechanism of organophosphorus pesticide via carboxylestrase pathway that triggers de novo TAG biosynthesis in oleaginous microalgae. <i>Aquatic Toxicology</i> , 2019, 209, 49-55.	4.0	21
4513	Projected day/night temperatures specifically limits rubisco activity and electron transport in diverse rice cultivars. <i>Environmental and Experimental Botany</i> , 2019, 159, 191-199.	4.2	7
4514	Hydroxyectoine protects Mn-depleted photosystem II against photoinhibition acting as a source of electrons. <i>Photosynthesis Research</i> , 2019, 141, 165-179.	2.9	8

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4516	Growth and hydrogen production by three <i>Chlamydomonas</i> strains cultivated in a commercial fertilizer. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9849-9855.	7.1	12
4517	Use of phosphorus fertilization and mycorrhization as strategies for reducing copper toxicity in young grapevines. <i>Scientia Horticulturae</i> , 2019, 248, 176-183.	3.6	30
4518	The Rice SPOTTED LEAF4 (SPL4) Encodes a Plant Spastin That Inhibits ROS Accumulation in Leaf Development and Functions in Leaf Senescence. <i>Frontiers in Plant Science</i> , 2018, 9, 1925.	3.6	19
4519	Morphological structure and physiological research of heterophylly in <i>Potamogeton octandrus</i> . <i>Plant Systematics and Evolution</i> , 2019, 305, 223-232.	0.9	6
4520	Vetiver grass is a potential candidate for phytoremediation of iron ore mine spoil dumps. <i>Ecological Engineering</i> , 2019, 132, 120-136.	3.6	38
4521	Energy transfer from chlorophyll f to the trapping center in naturally occurring and engineered Photosystem I complexes. <i>Photosynthesis Research</i> , 2019, 141, 151-163.	2.9	47
4522	Effects of competition and phosphorus fertilization on leaf and root traits of late-successional conifers <i>Abies fabri</i> and <i>Picea brachytyla</i> . <i>Environmental and Experimental Botany</i> , 2019, 162, 14-24.	4.2	17
4523	Effect of Copper Oxide Nanoparticles on the Physiology, Bioactive Molecules, and Transcriptional Changes in <i>Brassica rapa</i> ssp. <i>rapa</i> Seedlings. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	73
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4525	Seed priming with silicon nanoparticles improved the biomass and yield while reduced the oxidative stress and cadmium concentration in wheat grains. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7579-7588.	5.3	249
4526	Elevated ozone reduced leaf nitrogen allocation to photosynthesis in poplar. <i>Science of the Total Environment</i> , 2019, 657, 169-178.	8.0	44
4527	Combined application of citric acid and 5-aminolevulinic acid improved biomass, photosynthesis and gas exchange attributes of sunflower (<i>Helianthus annuus</i> L.) grown on chromium contaminated soil. <i>International Journal of Phytoremediation</i> , 2019, 21, 760-767.	3.1	64
4528	Empowering rice seedling growth by endophytic <i>Bradyrhizobium</i> sp. SUTN 9. <i>Letters in Applied Microbiology</i> , 2019, 68, 258-266.	2.2	22
4529	Involvement of ethylene signaling in zinc oxide nanoparticle-mediated biochemical changes in <i>Arabidopsis thaliana</i> leaves. <i>Environmental Science: Nano</i> , 2019, 6, 341-355.	4.3	50
4530	Cell membrane stability and water relations of different scions grafted onto Mexican lime under water stress conditions and recovery. <i>Plant Physiology Reports</i> , 2019, 24, 182-191.	1.5	2
4531	Alkaloids production and antioxidant properties in <i>Catharanthus roseus</i> (L.) G. Don. shoots and study of alkaloid biosynthesis-related gene expression levels in response to methyl jasmonate and putrescine treatments as eco-friendly elicitors. <i>Biologia Futura</i> , 2019, 70, 38-46.	1.4	14
4532	Exogenous application of melatonin mitigates the adverse effects of drought stress on morpho-physiological traits and secondary metabolites in Moldavian balm (<i>Dracocephalum</i>) Tj ETQq1 1 0.784314 ng BT / Overback 10 TFS	0.8	10

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4533	Influence of agriculture fertilizer for the enhanced growth and astaxanthin production from <i>Haematococcus lacustris</i> RRGK isolated from Himachal Pradesh, India. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	4
4534	Polyphenol-enriched spelt husk extracts improve growth and stress-related biochemical parameters under moderate salt stress in maize plants. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 95-104.	5.8	18
4535	Shoot tip culture: a step towards ¹³ C metabolite flux analysis of sink leaf metabolism. <i>Plant Methods</i> , 2019, 15, 48.	4.3	6
4536	SpPKE1, a Multiple Stress-Responsive Gene Confers Salt Tolerance in Tomato and Tobacco. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2478.	4.1	19
4537	Fitted PROSAIL Parameterization of Leaf Inclinations, Water Content and Brown Pigment Content for Winter Wheat and Maize Canopies. <i>Remote Sensing</i> , 2019, 11, 1150.	4.0	45
4538	The Increase in Adaptive Capacity to High Illumination of Barley Plants Colonized by Rhizobacteria <i>P. putida</i> BS3701. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 173-181.	0.9	4
4539	Salt Tolerance Improvement in Rice through Efficient SNP Marker-Assisted Selection Coupled with Speed-Breeding. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2585.	4.1	103
4540	Graphene oxide effects in early ontogenetic stages of <i>Triticum aestivum</i> L. seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 345-352.	6.0	39
4541	Improve Plant Photosynthesis by a New Slow-Release Carbon Dioxide Gas Fertilizer. <i>ACS Omega</i> , 2019, 4, 10354-10361.	3.5	9
4542	Natural color pigments: oxidative stability and degradation kinetics during storage in thermally pasteurized vegetable purees. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5934-5945.	3.5	35
4543	Phytotoxicity assessment of isoproturon on growth and physiology of non-targeted aquatic plant <i>Lemna minor</i> L. - A comparison of continuous and pulsed exposure with equivalent time-averaged concentrations. <i>Aquatic Toxicology</i> , 2019, 213, 105225.	4.0	7
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4545	Essential oil from ginger as a novel agent in delaying senescence of cut fronds of the fern (<i>Davallia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	6.0	13
4546	Growth, essential oil content, chemical composition and antioxidant properties of lemongrass as affected by harvest period and arbuscular mycorrhizal fungi in field conditions. <i>Industrial Crops and Products</i> , 2019, 138, 111477.	5.2	25
4547	Plant responses to fungal volatiles involve global posttranslational thiol redox proteome changes that affect photosynthesis. <i>Plant, Cell and Environment</i> , 2019, 42, 2627-2644.	5.7	26
4548	Microalgae associated to humic acid as a novel biostimulant improving onion growth and yield. <i>Scientia Horticulturae</i> , 2019, 256, 108560.	3.6	42
4549	Constitutive expression of GmF6â€²H1 from soybean improves salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 141, 446-455.	5.8	8
4550	Use of pulsed electric field permeabilization to extract astaxanthin from the Nordic microalga <i>Haematococcus pluvialis</i> . <i>Bioresource Technology</i> , 2019, 289, 121694.	9.6	72

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4551	Effect of spectral quality of light on growth and cell constituents of the wild-type (WT) and DCMU-tolerant strain of microalga <i>Scenedesmus vacuolatus</i> . <i>Energy, Ecology and Environment</i> , 2019, 4, 175-188.	3.9	3
4552	Tandem 13-Lipoxygenase Genes in a Cluster Confers Yellow-Green Leaf in Cucumber. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3102.	4.1	22
4553	Elevated CO ₂ induces age-dependent restoration of growth and metabolism in gibberellin-deficient plants. <i>Planta</i> , 2019, 250, 1147-1161.	3.2	8
4554	Sodium azide mutagenesis within temporary immersion bioreactors modifies sugarcane in vitro micropropagation rates and aldehyde, chlorophyll, carotenoid, and phenolic profiles. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	4
4555	Toxic effects of Pb on <i>Spirodela polyrhiza</i> (L.): Subcellular distribution, chemical forms, morphological and physiological disorders. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 146-154.	6.0	29
4556	Influence of the cell wall of <i>Chlamydomonas reinhardtii</i> on anaerobic digestion yield and on its anaerobic co-digestion with a carbon-rich substrate. <i>Chemical Engineering Research and Design</i> , 2019, 128, 167-175.	5.6	21
4557	Calcium application via hydrocooling and edible coating for the conservation and quality of cashew apples. <i>Scientia Horticulturae</i> , 2019, 256, 108531.	3.6	17
4558	Physiological and transcriptomic analysis of yellow leaf coloration in <i>Populus deltoides</i> Marsh. <i>PLoS ONE</i> , 2019, 14, e0216879.	2.5	16
4559	Glucosinolates metabolism and redox state of rocket (<i>Eruca sativa</i> Mill.) during germination. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14019.	2.0	4
4560	Arabidopsis heat shock transcription factor HSFA7b positively mediates salt stress tolerance by binding to an E-box-like motif to regulate gene expression. <i>Journal of Experimental Botany</i> , 2019, 70, 5355-5374.	4.8	66
4561	The cytokinin trans-zeatine riboside increased resistance to heavy metals in the halophyte plant species <i>Kosteletzkya pentacarpos</i> in the absence but not in the presence of NaCl. <i>Chemosphere</i> , 2019, 233, 954-965.	8.2	40
4562	Dietary carotenoids affect the development of individual differences and behavioral plasticity. <i>Behavioral Ecology</i> , 2019, 30, 1273-1282.	2.2	8
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4564	Molecular analysis of genes related to phenylpropanoid and ascorbate biosynthesis in salt and UV-B treated pak choi grown under LEDs. <i>Botany</i> , 2019, 97, 513-519.	1.0	3
4565	Mutagenesis Reveals That the OsPPa6 Gene Is Required for Enhancing the Alkaline Tolerance in Rice. <i>Frontiers in Plant Science</i> , 2019, 10, 759.	3.6	21
4566	A chloroplast-targeted pentatricopeptide repeat protein PPR287 is crucial for chloroplast function and Arabidopsis development. <i>BMC Plant Biology</i> , 2019, 19, 244.	3.6	18
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4568	Salicylic acid alleviates arsenic and zinc toxicity in the process of reserve mobilization in germinating fenugreek (<i>Trigonella foenum-graecum</i> L.) seeds. <i>South African Journal of Botany</i> , 2019, 124, 235-243.	2.5	21

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4571	Sensitivity of <i>Chlamydomonas reinhardtii</i> to cadmium stress is associated with phototaxis. Environmental Sciences: Processes and Impacts, 2019, 21, 1011-1020.	3.5	17
4572	Effect of cooking methods on the health-promoting compounds, antioxidant activity and nitrate of tatsoi (<i>Brassica rapa</i> L. ssp. <i>narinosa</i>). Journal of Food Processing and Preservation, 2019, 43, e14008.	2.0	9
4573	Analysis of Î ² -cryptoxanthin from yellow pigmented marine bacterium Erythrobacter sp. kJ5. IOP Conference Series: Earth and Environmental Science, 2019, 246, 012004.	0.3	2
4574	Green synthesis of silver nanoparticles using green alga (<i>Chlorella vulgaris</i>) and its application for synthesis of quinolines derivatives. Synthetic Communications, 2019, 49, 1926-1937.	2.1	32
4575	Arabidopsis ENDOMEMBRANE PROTEIN 12 contributes to the endoplasmic reticulum stress response by regulating K/HDEL receptor trafficking. Plant Cell, 2019, , tpc.00913.2018.	6.6	0
4576	Exogenous application of ascorbic acid mitigates cadmium toxicity and uptake in Maize (Zea mays L.). Environmental Science and Pollution Research, 2019, 26, 19261-19271.	5.3	49
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4578	Ammonium triggered the response mechanism of lysine crotonylome in tea plants. BMC Genomics, 2019, 20, 340.	2.8	47
4579	Characterization and Rapid Gene-Mapping of Leaf Lesion Mimic Phenotype of spl-1 Mutant in Soybean (Glycine max (L.) Merr.). International Journal of Molecular Sciences, 2019, 20, 2193.	4.1	23
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4581	Evaluation of the co-production of total carotenoids, C-phycocyanin and polyhydroxyalkanoates by Arthrospira platensis. Bioresource Technology Reports, 2019, 7, 100226.	2.7	12
4582	Copper alleviates cobalt toxicity in barley by antagonistic interaction of the two metals. Ecotoxicology and Environmental Safety, 2019, 180, 234-241.	6.0	21
4583	Elicitation improves rosmarinic acid content and antioxidant activity in Thymus lotocephalus shoot cultures. Industrial Crops and Products, 2019, 137, 214-220.	5.2	29
4584	Radiative transfer modelling reveals why canopy reflectance follows function. Scientific Reports, 2019, 9, 6541.	3.3	18
4585	The time of the day to harvest affects the degreening, antioxidant compounds, and protein content during postharvest storage of broccoli. Journal of Food Biochemistry, 2019, 43, e12904.	2.9	10
4586	Multidimensional approach to evaluate Limonium brasiliense as source of early biomarkers for lead pollution monitoring under different saline conditions. Ecological Indicators, 2019, 104, 567-575.	6.3	12

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4587	Flexible, Front-Facing Luminescent Solar Concentrators Fabricated from Lumogen F Red 305 and Polydimethylsiloxane. <i>International Journal of Photoenergy</i> , 2019, 2019, 1-9.	2.5	14
4588	Comparative study of plant growth-promoting bacteria on the physiology, growth and fruit quality of strawberry. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5341-5349.	3.5	35
4589	Recovery aptitude of the halophyte <i>Cakile maritima</i> upon water deficit stress release is sustained by extensive modulation of the leaf proteome. <i>Ecotoxicology and Environmental Safety</i> , 2019, 179, 198-211.	6.0	9
4590	The accumulation of cadmium in wheat (<i>Triticum aestivum</i>) as influenced by zinc oxide nanoparticles and soil moisture conditions. <i>Environmental Science and Pollution Research</i> , 2019, 26, 19859-19870.	5.3	126
4591	Effects of Processing on Quality Attributes of Osmo-Dried Broccoli Stalk Slices. <i>Food and Bioprocess Technology</i> , 2019, 12, 1174-1184.	4.7	11
4592	Assessing interactions between environmental factors and aquatic toxicity: Influences of dissolved CO ₂ and light on Cd toxicity in the aquatic macrophyte <i>Potamogeton crispus</i> . <i>Aquatic Toxicology</i> , 2019, 212, 247-258.	4.0	7
4593	Linkage between leaf development and photosynthetic response at hyperosmotic salinity in the C-4 grass <i>Panicum antidotale</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 256, 52-60.	1.2	5
4594	Assessing the fertilizing potential of microalgal digestates using the marine diatom <i>Chaetoceros muelleri</i> . <i>Algal Research</i> , 2019, 41, 101534.	4.6	13
4595	Modes of action and adverse effects of gamma radiation in an aquatic macrophyte <i>Lemna minor</i> . <i>Science of the Total Environment</i> , 2019, 680, 23-34.	8.0	36
4596	Exogenous application of gibberellic acid and ascorbic acid improved tolerance of okra seedlings to NaCl stress. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	49
4597	The interrelation between photorespiration and astaxanthin accumulation in <i>Haematococcus pluvialis</i> using metabolomic analysis. <i>Algal Research</i> , 2019, 41, 101520.	4.6	18
4598	Toxicity of nanosilver and fumonisin B1 and their interactions on duckweed (<i>Lemna minor</i> L.). <i>Chemosphere</i> , 2019, 229, 86-93.	8.2	16
4599	Defining optimal electron transfer partners for light-driven cytochrome P450 reactions. <i>Metabolic Engineering</i> , 2019, 55, 33-43.	7.0	24
4600	Energetics and Kinetics of S-State Transitions Monitored by Delayed Chlorophyll Fluorescence. <i>Frontiers in Plant Science</i> , 2019, 10, 386.	3.6	14
4601	Purple Passion Fruit, <i>Passiflora edulis</i> Sims f. <i>edulis</i> , Variability for Photosynthetic and Physiological Adaptation in Contrasting Environments. <i>Agronomy</i> , 2019, 9, 231.	3.0	11
4602	UMP Kinase Regulates Chloroplast Development and Cold Response in Rice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2107.	4.1	11
4603	Yield of the hydroponic lettuce under levels of salinity of the nutrient solution. <i>African Journal of Agricultural Research Vol Pp</i> , 2019, 14, 686-693.	0.5	3
4605	Phytotoxicity and degradation of antibiotic ofloxacin in duckweed (<i>Spirodela polyrrhiza</i>) system. <i>Ecotoxicology and Environmental Safety</i> , 2019, 179, 88-95.	6.0	57

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4606	Acquired tolerance of the photosynthetic apparatus to photoinhibition as a result of growing <i>Solanum lycopersicum</i> at moderately higher temperature and light intensity. <i>Functional Plant Biology</i> , 2019, 46, 555.	2.1	11
4607	Revelation of microalgae's lipid production and resistance mechanism to ultra-high Cd stress by integrated transcriptome and physiochemical analyses. <i>Environmental Pollution</i> , 2019, 250, 186-195.	7.5	39
4608	Spectral characterization of bioactive compounds from microalgae: <i>N. Oculata</i> and <i>C. Vulgaris</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 19, 101094.	3.1	24
4609	Quantitative Phosphoproteomic and Physiological Analyses Provide Insights into the Formation of the Variegated Leaf in <i>Catalpa fargesii</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 1895.	4.1	8
4610	Salicylic acid alleviates glyphosate-induced oxidative stress in <i>Hordeum vulgare</i> L. <i>Journal of Environmental Management</i> , 2019, 241, 226-234.	7.8	47
4611	Enhanced Antioxidant Activity in Mung Bean Seedlings Grown under Slow Clinorotation. <i>Microgravity Science and Technology</i> , 2019, 31, 395-401.	1.4	10
4612	Vermicompost and Manure Compost Reduce Water-Deficit Stress in Pot Marigold (<i>Calendula</i>) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 5	1.2	17
4613	Functional characterization of metallothionein-like genes from <i>Physcomitrella patens</i> : expression profiling, yeast heterologous expression, and disruption of PpMT1.2a gene. <i>Planta</i> , 2019, 250, 427-443.	3.2	15
4614	Fine mapping of a novel yellow-green leaf 14 (ygl14) mutant in rice. <i>Euphytica</i> , 2019, 215, 1.	1.2	7
4615	Chlorophylls d and f: Synthesis, occurrence, light-harvesting, and pigment organization in chlorophyll-binding protein complexes. <i>Advances in Botanical Research</i> , 2019, , 121-139.	1.1	7
4616	Regulation of cadmium toxicity in roots of tomato by indole acetic acid with special emphasis on reactive oxygen species production and their scavenging. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 193-201.	5.8	54
4618	Enhancement of co-production of nutritional protein and carotenoids in <i>Dunaliella salina</i> using a two-phase cultivation assisted by nitrogen level and light intensity. <i>Bioresource Technology</i> , 2019, 287, 121398.	9.6	51
4619	Blue Light added with Red LEDs Enhance Growth Characteristics, Pigments Content, and Antioxidant Capacity in Lettuce, Spinach, Kale, Basil, and Sweet Pepper in a Controlled Environment. <i>Plants</i> , 2019, 8, 93.	3.5	163
4620	Influence of biochar amendment and foliar application of iron oxide nanoparticles on growth, photosynthesis, and cadmium accumulation in rice biomass. <i>Journal of Soils and Sediments</i> , 2019, 19, 3749-3759.	3.0	52
4621	Biosafety assessment of graphene nanosheets on leaf ultrastructure, physiological and yield traits of <i>Capsicum annuum</i> L. and <i>Solanum melongena</i> L.. <i>Chemosphere</i> , 2019, 228, 318-327.	8.2	60
4622	Contrasting responses of the coral <i>Acropora tenuis</i> to moderate and strong light limitation in coastal waters. <i>Marine Environmental Research</i> , 2019, 147, 80-89.	2.5	7
4623	Physiological and morphological analyses of <i>Thymus vulgaris</i> L. in vitro cultures under polyethylene glycol (PEG)-induced osmotic stress. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2019, 55, 342-357.	2.1	20
4624	Zinc Excess Induces a Hypoxia-Like Response by Inhibiting Cysteine Oxidases in Poplar Roots. <i>Plant Physiology</i> , 2019, 180, 1614-1628.	4.8	19

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4625	Interrelationship between photosynthetic efficiency, $\delta^{13}\text{C}$, antioxidant activity and sugarcane yield under drought stress in field conditions. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 433-446.	3.5	18
4626	RNA-sequencing analysis reveals betalains metabolism in the leaf of <i>Amaranthus tricolor</i> L.. <i>PLoS ONE</i> , 2019, 14, e0216001.	2.5	15
4627	Study of the Location of Low-Molecular Stress-Inducible Proteins that Protect the Photosynthetic Apparatus against Photodestruction. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 52-58.	0.9	1
4628	Evaluation, comparison of different solvent extraction, cell disruption methods and hydrothermal liquefaction of <i>Oedogonium macroalgae</i> for biofuel production. <i>Biotechnology Reports (Amsterdam)</i> , 2019, 10, e00431.	1.0	1
4629	Evaluation of cobalt hyperaccumulation and tolerance potential of the duckweed (<i>Lemna minor</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2019, 179, 79-87.	6.0	13
4630	SbMYB15 transcription factor mitigates cadmium and nickel stress in transgenic tobacco by limiting uptake and modulating antioxidative defence system. <i>Functional Plant Biology</i> , 2019, 46, 702.	2.1	26
4631	Remote Sensing of Pigment Content at a Leaf Scale: Comparison among Some Specular Removal and Specular Resistance Methods. <i>Remote Sensing</i> , 2019, 11, 983.	4.0	6
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4633	Hyperspectral signal decomposition and symptom detection of wheat rust disease at the leaf scale using pure fungal spore spectra as reference. <i>Plant Pathology</i> , 2019, 68, 1188-1195.	2.4	28
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4635	Effect of carotenoid class and dose on the larval growth and development of the critically endangered southern corroboree frog. <i>Conservation Biology</i> , 2019, 33, 1009.		7
4636	Bioactive compounds and antioxidant activity of four rose hip species from spontaneous Sicilian flora. <i>Food Chemistry</i> , 2019, 289, 56-64.	8.2	62
4637	Effects of fire and nitrogen addition on photosynthesis and growth of three dominant understory plant species in a temperate forest. <i>Journal of Plant Ecology</i> , 2019, 12, 759-768.	2.3	14
4639	Impact of light-emitting diodes (LEDs) on the growth and morphogenesis of encapsulated shoot buds of <i>Curculigo orchioides</i> Gaertn., an endangered medicinal herb. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	15
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4641	Co-inoculation of Arizona cypress with arbuscular mycorrhiza fungi and <i>Pseudomonas fluorescens</i> under fuel pollution. <i>Mycorrhiza</i> , 2019, 29, 277-289.	2.8	7
4642	A newly discovered Cd-hyperaccumulator <i>Lantana camara</i> L.. <i>Journal of Hazardous Materials</i> , 2019, 371, 233-242.	12.4	103
4643	Application of phytoremediation technology in decontamination of a fish culture pond fed with coal mine effluent using three aquatic macrophytes. <i>International Journal of Phytoremediation</i> , 2019, 21, 840-848.	3.1	10

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4644	Oxidative stress potential of the herbicides bifenox and metribuzin in the microalgae <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2019, 210, 117-128.	4.0	32
4645	Ripening of bananas using <i>Bowdichia virgilioides</i> Kunth leaves. <i>Scientific Reports</i> , 2019, 9, 3548.	3.3	8
4646	Optimization of LED Lighting and Quality Evaluation of Romaine Lettuce Grown in An Innovative Indoor Cultivation System. <i>Sustainability</i> , 2019, 11, 841.	3.2	46
4647	Structural, physiological and genetic diversification of <i>Silene vulgaris</i> ecotypes from heavy metal-contaminated areas and their synchronous in vitro cultivation. <i>Planta</i> , 2019, 249, 1761-1778.	3.2	21
4648	Interactive effects of drought and shading on <i>Torreya grandis</i> seedlings: physiological and growth responses. <i>Trees - Structure and Function</i> , 2019, 33, 951-961.	1.9	20
4649	Sonocatalytic activity of biochar-supported ZnO nanorods in degradation of gemifloxacin: Synergy study, effect of parameters and phytotoxicity evaluation. <i>Ultrasonics Sonochemistry</i> , 2019, 55, 44-56.	8.2	183
4650	Efficacy of arbuscular mycorrhizal fungi and endophytic strain <i>Epicoccum nigrum</i> ASU11 as biocontrol agents against blackleg disease of potato caused by bacterial strain <i>Pectobacterium carotovora</i> subsp. <i>atrosepticum</i> PHY7. <i>Biological Control</i> , 2019, 134, 103-113.	3.0	59
4651	Mapping leaf chlorophyll content from Sentinel-2 and RapidEye data in spruce stands using the invertible forest reflectance model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 79, 58-70.	2.8	57
4652	Influence of rice straw biochar on growth, antioxidant capacity and copper uptake in ramie (<i>Boehmeria nivea</i> L.) grown as forage in aged copper-contaminated soil. <i>Plant Physiology and Biochemistry</i> , 2019, 138, 121-129.	5.8	114
4653	Yerba mate extract in active starch films: Mechanical and antioxidant properties. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e13897.	2.0	17
4654	Selenium restricts cadmium uptake and improve micronutrients and proline concentration in tomato fruits. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101057.	3.1	31
4655	Effects of polyploidy on response of <i>Dunaliella salina</i> to salinity. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019, 99, 1041-1047.	0.8	4
4656	A multivariate analysis of health risk assessment, phytoremediation potential, and biochemical attributes of <i>Spinacia oleracea</i> exposed to cadmium in the presence of organic amendments under hydroponic conditions. <i>International Journal of Phytoremediation</i> , 2019, 21, 461-470.	3.1	9
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4659	PhDHS Is Involved in Chloroplast Development in <i>Petunia</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 284.	3.6	9
4660	Influence of Ethylene on Morphology and Pigment Changes in Harvested Broccoli. <i>Food and Bioprocess Technology</i> , 2019, 12, 883-897.	4.7	16
4661	Promoting water deficit tolerance and anthocyanin fortification in pigmented rice cultivar (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overlook. <i>Biology of Plants</i> , 2019, 25, 821-835.	3.1	17

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4663	Potential of vermicompost and limestone in reducing copper toxicity in young grapevines grown in Cu-contaminated vineyard soil. <i>Chemosphere</i> , 2019, 226, 421-430.	8.2	24
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4665	Use of edible coatings based on hydroxypropyl methylcellulose and beeswax in the conservation of red guava –Pedro Sato™. <i>Food Chemistry</i> , 2019, 290, 144-151.	8.2	55
4666	The antagonistic effect of <scp>UV</scp> radiation on warming or nitrate enrichment depends on ecotypes of freshwater macroalgae (Charophytes). <i>Journal of Phycology</i> , 2019, 55, 714-729.	2.3	12
4667	The Altered Expression of microRNA408 Influences the Arabidopsis Response to Iron Deficiency. <i>Frontiers in Plant Science</i> , 2019, 10, 324.	3.6	27
4668	Effects of Arbuscular Mycorrhizal Fungi on Growth, Photosynthesis, and Nutrient Uptake of <i>Zelkova serrata</i> (Thunb.) Makino Seedlings under Salt Stress. <i>Forests</i> , 2019, 10, 186.	2.1	34
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4670	Optical emission diagnosis of carbon nanoparticle-incorporated chlorophyll for sensing applications. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1382-1388.	2.9	18
4671	Seasonal and microclimatic influences on the ecophysiology of Mediterranean coastal dune plants. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 219, 317-327.	2.1	8
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4674	Hyperspectral Reflectance-Derived Relationship Matrices for Genomic Prediction of Grain Yield in Wheat. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1231-1247.	1.8	96
4675	Physiological Effects of MgO and ZnO Nanoparticles on the <i>Citrus maxima</i> . <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 243-253.	1.0	28
4676	Effective microorganisms: An innovative tool for inducing common bean (<i>Phaseolus vulgaris</i> L.) salt-tolerance by regulating photosynthetic rate and endogenous phytohormones production. <i>Scientia Horticulturae</i> , 2019, 250, 254-265.	3.6	33
4677	The potential of gum arabic enriched with cinnamon essential oil for improving the qualitative characteristics and storability of guava (<i>Psidium guajava</i> L.) fruit. <i>Scientia Horticulturae</i> , 2019, 251, 101-107.	3.6	42
4678	Rice seed priming with sodium selenate: Effects on germination, seedling growth, and biochemical attributes. <i>Scientific Reports</i> , 2019, 9, 4311.	3.3	49
4679	<i>Tradescantia</i>-based models: a powerful looking glass for investigation of photoacclimation and photoadaptation in plants. <i>Physiologia Plantarum</i> , 2019, 166, 120-133.	5.2	8

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4682	Phenotypic and proteomic characteristics of sorghum (<i>Sorghum bicolor</i>) albino lethal mutant <i>sbe6-a1</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 139, 400-410.	5.8	10
4683	Nitrogen alleviates salinity toxicity in <i>Solanum lycopersicum</i> seedlings by regulating ROS homeostasis. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 466-476.	5.8	48
4684	Effect of foliar application of cerium oxide nanoparticles on growth, photosynthetic pigments, electrolyte leakage, compatible osmolytes and antioxidant enzymes activities of <i>Calendula officinalis</i> L.. <i>Biologia (Poland)</i> , 2019, 74, 1063-1075.	1.5	42
4685	Effect of Irrigation Water Regimes on Yield of <i>Tetragonia Tetragonioides</i> . <i>Agriculture (Switzerland)</i> , 2019, 9, 22.	3.1	6
4686	The miRNA-Mediated Post-Transcriptional Regulation of Maize in Response to High Temperature. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1754.	4.1	37
4687	Laccase from <i>Scytalidium thermophilum</i> : Production Improvement, Catalytic Behavior and Detoxifying Ability of Diclofenac. <i>Catalysis Letters</i> , 2019, 149, 1833-1844.	2.6	13
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4689	Elevated temperature differently affects growth, photosynthetic capacity, nutrient absorption and leaf ultrastructure of <i>Abies faxoniana</i> and <i>Picea purpurea</i> under intra- and interspecific competition. <i>Tree Physiology</i> , 2019, 39, 1342-1357.	3.1	21
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4693	Cyanobacterial extract as a source of nutrients for mixotrophic growth of <i>Chlorella vulgaris</i> and <i>Nannochloropsis oculata</i> . <i>Algal Research</i> , 2019, 39, 101480.	4.6	10
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4695	Genetic diversity in <i>Corchorus olitorius</i> L. revealed by morphophysiological and molecular analyses. <i>Molecular Biology Reports</i> , 2019, 46, 2933-2940.	2.3	10
4696	Physiological and Growth Response of Pepper (<i>Capsicum annum</i> L.) Seedlings to Supplementary Red/Blue Light Revealed through Transcriptomic Analysis. <i>Agronomy</i> , 2019, 9, 139.	3.0	15
4697	The impacts of ¹³ -Fe ₂ O ₃ and Fe ₃ O ₄ nanoparticles on the physiology and fruit quality of muskmelon (<i>Cucumis melo</i>) plants. <i>Environmental Pollution</i> , 2019, 249, 1011-1018.	7.5	53

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4706	Morphological and Biochemical Studies in <i>Garcinia gummi-gutta</i> (L.) Roxb.. Erwerbs-Obstbau, 2019, 61, 217-223.	1.3	5
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4714	Adaptive potential of <i>Typha latifolia</i> L. under extreme technogenic pollution. , 2019, , .		3
4715	Endangered orchid plant <i>Epipactis atrorubens</i> on serpentine and granite outcrops of Middle Urals, Russia: A comparative morphophysiological study. AIP Conference Proceedings, 2019, , .	0.4	6
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4718	Alleviation of water deficit in <i>Physalis angulata</i> plants by nitric oxide exogenous donor. Agricultural Water Management, 2019, 216, 98-104.	5.6	34
4719	Impact of UV-B radiation on the photosystem II activity, pro-/antioxidant balance and expression of light-activated genes in <i>Arabidopsis thaliana</i> hy4 mutants grown under light of different spectral composition. Journal of Photochemistry and Photobiology B: Biology, 2019, 194, 14-20.	3.8	23
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4721	Effect of foliar applications of silicon and titanium dioxide nanoparticles on growth, oxidative stress, and cadmium accumulation by rice (<i>Oryza sativa</i>). Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	129
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4737	Endophytic infection modulates ROS-scavenging systems and modifies cadmium distribution in rice seedlings exposed to cadmium stress. <i>Theoretical and Experimental Plant Physiology</i> , 2019, 31, 463-474.	2.4	9
4738	Diversity of carotenogenic microalgae in the White Sea polar region. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	15
4739	Study of the phytotoxic potential of olive mill wastewaters on a leguminous plant <i>Vicia faba</i> L. <i>Water Science and Technology</i> , 2019, 80, 1295-1303.	2.5	11
4740	Overexpression of native <i>Musa</i> -miR397 enhances plant biomass without compromising abiotic stress tolerance in banana. <i>Scientific Reports</i> , 2019, 9, 16434.	3.3	28
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4752	Differential Response of Sugar Beet to Long-Term Mild to Severe Salinity in a Soil-Pot Culture. <i>Agriculture (Switzerland)</i> , 2019, 9, 223.	3.1	61

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4756	Lanthanum nitrate improves phosphorus-use efficiency and tolerance to phosphorus-deficiency stress in <i>Vigna angularis</i> seedlings. <i>Protoplasma</i> , 2019, 256, 383-392.	2.1	13
4757	Effect of spray drying on bioactive and volatile compounds in soursop (<i>Annona muricata</i>) fruit pulp. <i>Food Research International</i> , 2019, 124, 70-77.	6.2	24
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4761	An attempt to cast light into lutein extraction and its alkali optimization. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 154-161.	3.2	4
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4767	Clone-Dependent Expression of Esca Disease Revealed by Leaf Metabolite Analysis. <i>Frontiers in Plant Science</i> , 2018, 9, 1960.	3.6	15
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4769	Effects of different magnesium levels on some morphophysiological characteristics and nutrient elements uptake in Khatouni melons (<i>Cucumis melo</i> var. <i>inodorus</i>). <i>Journal of Plant Nutrition</i> , 2019, 42, 27-39.	1.9	16
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4780	Seasonal responses of photosynthetic parameters in maize and sunflower and their relationship with leaf functional traits. <i>Plant, Cell and Environment</i> , 2019, 42, 1561-1574.	5.7	21
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4819	Optimization of cultural factors of newly isolated microalga <i>Spirulina subsalsa</i> and its co-digestion with paddy straw for enhanced biogas production. <i>Bioresource Technology Reports</i> , 2019, 5, 185-198.	2.7	15
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4824	Change in microbial communities, soil enzyme and metabolic activity in a <i>Torreya grandis</i> plantation in response to root rot disease. <i>Forest Ecology and Management</i> , 2019, 432, 932-941.	3.2	25

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4839	Light quality shapes morpho-functional traits and pigment content of green and red leaf cultivars of <i>Atriplex hortensis</i> . <i>Scientia Horticulturae</i> , 2019, 246, 942-950.	3.6	29
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4859	<i>Stevia</i> (<i>Stevia rebaudiana</i> Bertoni) responses to NaCl stress: Growth, photosynthetic pigments, diterpene glycosides and ion content in root and shoot. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2019, 18, 355-360.	1.9	24
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4861	Over expression of TaFer gene from Tamarix androssowii improves iron and drought tolerance in transgenic Populus tomentosa. Journal of Forestry Research, 2019, 30, 171-181.	3.6	1
4862	Ethyl methane sulphonate induced changes in cyto-morphological and biochemical aspects of Coriandrum sativum L.. Journal of the Saudi Society of Agricultural Sciences, 2019, 18, 469-475.	1.9	10
4863	Enzymatic Activity and Biochemical Composition in Leaves of Green Bean (Phaseolus vulgaris L. cv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.4	8
4864	Differential temperature effects on dissipation of excess light energy and energy partitioning in lut2 mutant of Arabidopsis thaliana under photoinhibitory conditions. Photosynthesis Research, 2019, 139, 367-385.	2.9	13
4865	The effect of CuSO ₄ for establishing <i>in vitro</i> culture, and the role nitrogen and iron sources in <i>in vitro</i> multiplication of <i>Corylus avellana</i> L. cv. Tonda Gentile Romana. Plant Biosystems, 2020, 154, 17-23.	1.6	22
4866	Effects of Tryptophan Along with Sodium Pyruvate and Sodium Thiosulfate on Chlorella vulgaris Growth. Waste and Biomass Valorization, 2020, 11, 967-982.	3.4	5
4867	Effects of different regrowth ages and cutting heights on biomass production, bromatological composition and <i>in vitro</i> digestibility of Guazuma ulmifolia foliage. Agroforestry Systems, 2020, 94, 1199-1208.	2.0	3
4868	Dust accumulation due to anthropogenic impact induces anatomical and photochemical changes in leaves of <i>Centranthus ruber</i> growing on the slope of the Vesuvius volcano. Plant Biology, 2020, 22, 93-102.	3.8	14
4869	Biodegradation of monocrotophos by a plant growth promoting Bacillus aryabhattai (VITNNDJ5) strain in artificially contaminated soil. International Journal of Environmental Science and Technology, 2020, 17, 1475-1490.	3.5	23
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4875	Physiological Response of Cape Gooseberry Seedlings to Three Biological Control Agents Under <i>Fusarium oxysporum</i> f. sp. <i>physali</i> Infection. Plant Disease, 2020, 104, 388-397.	1.4	8
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4877	Effective valorization of microalgal biomass for the production of nutritional fish-feed supplements. Journal of Cleaner Production, 2020, 243, 118697.	9.3	34
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4880	<i>Trichoderma asperellum</i> , a potential biological control agent of <i>Stemphylium vesicarium</i> , on onion (<i>Allium cepa</i> L.). <i>Biological Control</i> , 2020, 140, 104105.	3.0	29
4881	Changes in the chlorophyll absorbance index (<i>AD</i>) are related to peach fruit maturity. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2020, 48, 34-46.	1.3	14
4882	Gallic acid (GA) alleviating copper (Cu) toxicity in maize (<i>Zea mays</i> L.) seedlings. <i>International Journal of Phytoremediation</i> , 2020, 22, 420-426.	3.1	19
4883	Transcriptomic insights into the heat stress response of <i>Dunaliella bardawil</i> . <i>Enzyme and Microbial Technology</i> , 2020, 132, 109436.	3.2	33
4884	Flux balance analysis of cyanobacteria reveals selective use of photosynthetic electron transport components under different spectral light conditions. <i>Photosynthesis Research</i> , 2020, 143, 31-43.	2.9	22
4885	Mitigation of rice cadmium (Cd) accumulation by joint application of organic amendments and selenium (Se) in high-Cd-contaminated soils. <i>Chemosphere</i> , 2020, 241, 125106.	8.2	54
4886	Biochar-assisted transformation of engineered-cerium oxide nanoparticles: Effect on wheat growth, photosynthetic traits and cerium accumulation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109845.	6.0	35
4887	Interactive effects of salinity and inundation on native <i>Spartina foliosa</i> , invasive <i>S. densiflora</i> and their hybrid from San Francisco Estuary, California. <i>Annals of Botany</i> , 2020, 125, 377-389.	2.9	16
4888	Olive tree physiology and chemical composition of fruits are modulated by different deficit irrigation strategies. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 682-694.	3.5	24
4889	Potential of the green microalga <i>Chlorella vulgaris</i> to fight against fluorene contamination: evaluation of antioxidant systems and identification of intermediate biodegradation compounds. <i>Journal of Applied Phycology</i> , 2020, 32, 411-419.	2.8	15
4890	Growing basil in the underwater biospheres of Nemo's Garden®: Phytochemical, physiological and micromorphological analyses. <i>Scientia Horticulturae</i> , 2020, 259, 108851.	3.6	6
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4892	Influence of <i>Pseudomonas japonica</i> and organic amendments on the growth and metal tolerance of <i>Celosia argentea</i> L.. <i>Environmental Science and Pollution Research</i> , 2020, 27, 24671-24685.	5.3	21
4893	Foliar application of glycinebetaine regulates soluble sugars and modulates physiological adaptations in sweet potato (<i>Ipomoea batatas</i>) under water deficit. <i>Protoplasma</i> , 2020, 257, 197-211.	2.1	29
4894	Priming-induced changes in germination, morpho-physiological and leaf biochemical responses of fenugreek (<i>Trigonella foenum-graecum</i>) under salt stress. <i>Plant Biosystems</i> , 2020, 154, 601-614.	1.6	5
4895	Practical aspects of the measurements of non-photochemical chlorophyll fluorescence quenching in green microalgae <i>Chlamydomonas reinhardtii</i> using Open FluorCam. <i>Physiologia Plantarum</i> , 2020, 168, 617-629.	5.2	10
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4897	Effect of green synthesized molybdenum nanoparticles on nitrate accumulation and nitrate reductase activity in spinach. <i>Journal of Plant Nutrition</i> , 2020, 43, 13-27.	1.9	25
4898	Copper and zinc distribution and toxicity in "Jade" / "Genovesa" young peach tree. <i>Scientia Horticulturae</i> , 2020, 259, 108763.	3.6	15
4899	Soil dust effects on morphological, physiological and biochemical responses of four tree species of semiarid regions. <i>European Journal of Forest Research</i> , 2020, 139, 333-348.	2.5	5
4900	Evaluation of the selected sweet potato genotypes tolerance to sweet potato weevil (<i>Cylas</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.9	0
4901	Simultaneous mitigation of cadmium and drought stress in wheat by soil application of iron nanoparticles. <i>Chemosphere</i> , 2020, 238, 124681.	8.2	183
4902	Strontium uptake and antioxidant capacity comparisons of low accumulator and high accumulator oat (<i>Avena sativa</i> L.) genotypes. <i>International Journal of Phytoremediation</i> , 2020, 22, 227-235.	3.1	4
4903	Effects of Shading on the Senescence and Photosynthetic Physiology of the Early-Flowering Rice Mutant FTL10 at Noon. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 776-784.	5.1	4
4904	Effect of salicylic acid and sodium nitroprusside on growth parameters, photosynthetic pigments and secondary metabolites of safflower under drought stress. <i>Scientia Horticulturae</i> , 2020, 259, 108823.	3.6	78
4905	Growth and photosynthetic performance of <i>Chlamydomonium fusiforme</i> cells cultivated in BG11 and Bristol media. <i>Journal of Applied Phycology</i> , 2020, 32, 145-152.	2.8	6
4906	Effect of nitrogen deficiency on the physiology and biochemical composition of microalga <i>Scenedesmus rotundus</i> MG910488. <i>Journal of Basic Microbiology</i> , 2020, 60, 158-172.	3.3	11
4907	2-Hydroxymelatonin induced nutritional orchestration in <i>Cucumis sativus</i> under cadmium toxicity: modulation of non-enzymatic antioxidants and gene expression. <i>International Journal of Phytoremediation</i> , 2020, 22, 497-507.	3.1	24
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4909	Effects of 1-methylcyclopropene (1-MCP) on the expression of genes involved in the chlorophyll degradation pathway of apple fruit during storage. <i>Food Chemistry</i> , 2020, 308, 125707.	8.2	44
4910	Growth and physiological response of spinach to various lithium concentrations in soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39717-39725.	5.3	22
4911	Application of co-composted biochar significantly improved plant-growth relevant physical/chemical properties of a metal contaminated soil. <i>Chemosphere</i> , 2020, 242, 125255.	8.2	58
4912	Molybdate toxicity in Chinese cabbage is not the direct consequence of changes in sulphur metabolism. <i>Plant Biology</i> , 2020, 22, 331-336.	3.8	5
4913	Effects of <i>Burkholderia</i> sp. D54 on growth and cadmium uptake of tomato, ryegrass and soybean plants. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1149-1158.	3.5	10
4914	Physiological and biochemical performance of almond trees under deficit irrigation. <i>Scientia Horticulturae</i> , 2020, 261, 108990.	3.6	22

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4917	Modification of oxidative stress through changes in some indicators related to phenolic metabolism in <i>Malva parviflora</i> exposed to cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109811.	6.0	32
4918	Growth and physiological effects of single and combined Cu, NaCl, and water stresses on <i>Atriplex atacamensis</i> and <i>A. halimus</i> . <i>Environmental and Experimental Botany</i> , 2020, 169, 103919.	4.2	10
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4920	Electrochemistry as a screening method in determination of carotenoids in crustacean samples used in everyday diet. <i>Food Chemistry</i> , 2020, 309, 125706.	8.2	9
4921	Development of a method to evaluate the tenderness of fresh tea leaves based on rapid, in-situ Raman spectroscopy scanning for carotenoids. <i>Food Chemistry</i> , 2020, 308, 125648.	8.2	26
4922	Sesame (<i>Sesame indicum</i> L.) biochemical and physiological responses as affected by applying chemical, biological, and nano-fertilizers in field water stress conditions. <i>Journal of Plant Nutrition</i> , 2020, 43, 456-475.	1.9	14
4923	Global warming: Antioxidant responses to deal with drought and elevated temperature in <i>Stylosanthes capitata</i> , a forage legume. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 13-27.	3.5	8
4924	Mitigating drought stress in sesame by foliar application of salicylic acid, beeswax waste and licorice extract. <i>Agricultural Water Management</i> , 2020, 231, 105997.	5.6	29
4925	Changes in Proteome and Protein Phosphorylation Reveal the Protective Roles of Exogenous Nitrogen in Alleviating Cadmium Toxicity in Poplar Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 278.	4.1	36
4926	Silicon and nitric oxide-mediated mechanisms of cadmium toxicity alleviation in wheat seedlings. <i>Physiologia Plantarum</i> , 2022, 174, .	5.2	39
4927	Microbe-mediated alleviation of drought stress and acquisition of phosphorus in great millet (<i>Sorghum bicolor</i> L.) by drought-adaptive and phosphorus-solubilizing microbes. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101501.	3.1	119
4928	Exogenous Nitric Oxide Improves the Protective Effects of TiO ₂ Nanoparticles on Growth, Antioxidant System, and Photosynthetic Performance of Wheat Seedlings Under Drought Stress. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 703-714.	3.4	60
4929	TiO ₂ nanoparticle exposure on lettuce (<i>Lactuca sativa</i> L.): dose-dependent deterioration of nutritional quality. <i>Environmental Science: Nano</i> , 2020, 7, 501-513.	4.3	25
4930	Metabolic Regulation Profiling of Carbon and Nitrogen in Tea Plants [<i>Camellia sinensis</i> (L.) O. Kuntze] in Response to Shading. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 961-974.	5.2	35
4931	CdS nanoparticles in soil induce metabolic reprogramming in broad bean (<i>Vicia faba</i> L.) roots and leaves. <i>Environmental Science: Nano</i> , 2020, 7, 93-104.	4.3	19
4932	Comparison of plasma membrane H ⁺ -ATPase response to acid rain stress between rice and soybean. <i>Environmental Science and Pollution Research</i> , 2020, 27, 6389-6400.	5.3	13

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4933	Screening of trace metal elements for pollution tolerance of freshwater and marine microalgal strains: Overview and perspectives. <i>Algal Research</i> , 2020, 45, 101751.	4.6	21
4934	TiO ₂ nanoparticles in a biosolid-amended soil and their implication in soil nutrients, microorganisms and <i>Pisum sativum</i> nutrition. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110095.	6.0	29
4935	Chitosan nanofertilizer to foster source activity in maize. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 226-234.	7.5	57
4936	Effect of experimental thermal stress on lipidomes of the soft coral <i>Sinularia</i> sp. and its symbiotic dinoflagellates. <i>Journal of Experimental Marine Biology and Ecology</i> , 2020, 524, 151295.	1.5	27
4937	Effect of temperature on plant growth and stress tolerant traits in rooibos in the Western Cape, South Africa. <i>Scientia Horticulturae</i> , 2020, 263, 109137.	3.6	9
4938	Photosynthetic toxicity of non-steroidal anti-inflammatory drugs (NSAIDs) on green algae <i>Scenedesmus obliquus</i> . <i>Science of the Total Environment</i> , 2020, 707, 136176.	8.0	59
4939	Plasticity in the growth habit prolongs survival at no physiological cost in a monocarpic perennial at high altitudes. <i>Annals of Botany</i> , 2020, 125, 413-421.	2.9	9
4940	Macrophyte performance in a low arctic lake: effects of temperature, light and nutrients on growth and depth distribution. <i>Aquatic Sciences</i> , 2020, 82, 1.	1.5	18
4941	Evaluating photosynthetic pigment contents of maize using UVE-PLS based on continuous wavelet transform. <i>Computers and Electronics in Agriculture</i> , 2020, 169, 105160.	7.7	45
4942	Regulation of color transition in purple tea (<i>Camellia sinensis</i>). <i>Planta</i> , 2020, 251, 35.	3.2	21
4943	Specificity of Cd, Cu, and Fe effects on barley growth, metal contents in leaves and chloroplasts, and activities of photosystem I and photosystem II. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 191-204.	5.8	31
4944	Phytochemical analysis of mite-infested tea leaves of Darjeeling Hills, India. <i>Phytochemical Analysis</i> , 2020, 31, 277-286.	2.4	7
4945	The cloning and characterization of <i>hypersensitive to salt stress</i> mutant, affected in quinolinate synthase, highlights the involvement of NAD in stress-induced accumulation of ABA and proline. <i>Plant Journal</i> , 2020, 102, 85-98.	5.7	31
4946	Silicon in Pre-sprouted Sugarcane Seedlings Mitigates the Effects of Water Deficit After Transplanting. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 849-859.	3.4	37
4947	Rice Senescence-Induced Receptor-Like Kinase (OsSRLK) Is Involved in Phytohormone-Mediated Chlorophyll Degradation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 260.	4.1	16
4948	Physio-morphological and biochemical responses of pot marigold (<i>Calendula officinalis</i> L.) to split iron nutrition. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	2.1	6
4949	Nanosilicon-based recovery of barley (<i>Hordeum vulgare</i>) plants subjected to drought stress. <i>Environmental Science: Nano</i> , 2020, 7, 443-461.	4.3	83
4950	Effect of Light Intensity and Quality on Growth Rate and Composition of <i>Chlorella vulgaris</i> . <i>Plants</i> , 2020, 9, 31.	3.5	105

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4952	The PAP/SAL1 retrograde signaling pathway is involved in iron homeostasis. <i>Plant Molecular Biology</i> , 2020, 102, 323-337.	3.9	22
4953	Beneficial role of acetylcholine in chlorophyll metabolism and photosynthetic gas exchange in <i>Nicotiana benthamiana</i> seedlings under salinity stress. <i>Plant Biology</i> , 2020, 22, 357-365.	3.8	47
4954	Tunable Repression of Key Photosynthetic Processes Using Cas12a CRISPR Interference in the Fast-Growing Cyanobacterium <i>Synechococcus</i> sp. UTEX 2973. <i>ACS Synthetic Biology</i> , 2020, 9, 132-143.	3.8	39
4955	Overexpression of Caffeic Acid O-Methyltransferase 1 (COMT1) Increases Melatonin Level and Salt Stress Tolerance in Tomato Plant. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1221-1235.	5.1	47
4956	Melatonin alleviates lead-induced oxidative damage in safflower (<i>Carthamus tinctorius</i> L.) seedlings. <i>Ecotoxicology</i> , 2020, 29, 108-118.	2.4	41
4957	Evaluating differences in growth, photosynthetic efficiency, and transcriptome of <i>Asterarcys</i> sp. SCS-1881 under autotrophic, mixotrophic, and heterotrophic culturing conditions. <i>Algal Research</i> , 2020, 45, 101753.	4.6	52
4958	Potential application of titanium dioxide nanoparticles to improve the nutritional quality of coriander (<i>Coriandrum sativum</i> L.). <i>Journal of Hazardous Materials</i> , 2020, 389, 121837.	12.4	62
4959	Salt induced modulations in antioxidative defense system of <i>Desmostachya bipinnata</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 147, 113-124.	5.8	22
4960	Biochemical composition as a function of fruit maturity stage of bell pepper (<i>Capsicum annum</i>) inoculated with <i>Bacillus amyloliquefaciens</i> . <i>Scientia Horticulturae</i> , 2020, 263, 109107.	3.6	29
4961	Assessing the robust growth and lipid-accumulating characteristics of <i>Scenedesmus</i> sp. for biodiesel production. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27449-27456.	5.3	14
4962	Remediation of vanadium contaminated soil by nano-hydroxyapatite. <i>Journal of Soils and Sediments</i> , 2020, 20, 1534-1544.	3.0	16
4963	Foliar application of 24-epibrassinolide improves <i>Solanum nigrum</i> L. tolerance to high levels of Zn without affecting its remediation potential. <i>Chemosphere</i> , 2020, 244, 125579.	8.2	10
4964	Comparison of six ester components in nitrocellulose lacquer thinner from the aspects of dissolution rates, explosion characteristics and environmental influence. <i>Progress in Organic Coatings</i> , 2020, 139, 105426.	3.9	6
4965	Silicon application affects cadmium translocation and physiological traits of <i>Lallemantia royleana</i> under cadmium stress. <i>Journal of Plant Nutrition</i> , 2020, 43, 753-761.	1.9	10
4966	Cell wall structure and composition is affected by light quality in tomato seedlings. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111745.	3.8	20
4968	Morpho-Physiological and Biochemical Responses of Two Turfgrass Species to Arbuscular Mycorrhizal Fungi and Humic Acid Under Water Stress Condition. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 566-576.	3.4	18
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4970	Morpho-physiological responses of sea buckthorn (<i>Hippophae rhamnoides</i>) to NaCl stress. <i>Plant Biosystems</i> , 2020, 154, 827-834.	1.6	4
4971	A multivariate analysis of comparative effects of heavy metals on cellular biomarkers of phytoremediation using <i>Brassica oleracea</i> . <i>International Journal of Phytoremediation</i> , 2020, 22, 617-627.	3.1	12
4972	Effects of silicon nanoparticles on growth and physiology of wheat in cadmium contaminated soil under different soil moisture levels. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4958-4968.	5.3	144
4973	To what extent arbuscular mycorrhiza can protect chicory (<i>Cichorium intybus</i> L.) against drought stress. <i>Scientia Horticulturae</i> , 2020, 263, 109109.	3.6	26
4974	Development of a monitoring tool based on fluorescence and climatic data for pigments profile estimation in <i>Dunaliella salina</i> . <i>Journal of Applied Phycology</i> , 2020, 32, 363-373.	2.8	8
4975	Glycinebetaine alleviates the chromium toxicity in <i>Brassica oleracea</i> L. by suppressing oxidative stress and modulating the plant morphology and photosynthetic attributes. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1101-1111.	5.3	72
4976	Synergistic Effect of Nutrient and Salt Stress on Lipid Productivity of <i>Chlorella vulgaris</i> Through Two-Stage Cultivation. <i>Bioenergy Research</i> , 2020, 13, 507-517.	3.9	23
4977	Effect of perforation-mediated modified atmosphere packaging on the quality and bioactive compounds of soft kale (<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC) Alef. var. <i>sabellica</i> L.) during storage. <i>Food Packaging and Shelf Life</i> , 2020, 23, 100427.	7.5	16
4978	24-Epibrassinolide and Spermine Combined Treatment Sustains Maize (<i>Zea mays</i> L.) Drought Tolerance by Improving Photosynthetic Efficiency and Altering Phytohormones Profile. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 516-529.	3.4	25
4979	Optimization of NPK fertilization combined with phytoremediation of cadmium contaminated soil by orthogonal experiment. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109997.	6.0	45
4980	Ionomic and metabolomic analyses reveal the resistance response mechanism to saline-alkali stress in <i>Malus halliana</i> seedlings. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 77-90.	5.8	48
4981	Removal of Phenazopyridine from wastewater by merging biological and electrochemical methods via <i>Azolla filiculoides</i> and electro-Fenton process. <i>Journal of Environmental Management</i> , 2020, 254, 109802.	7.8	33
4982	The role of carbonic anhydrase \pm -CA4 in the adaptive reactions of photosynthetic apparatus: the study with \pm -CA4 knockout plants. <i>Protoplasma</i> , 2020, 257, 489-499.	2.1	18
4983	Investigating the use of different levels of Mycorrhiza and Vermicompost on quantitative and qualitative yield of saffron (<i>Crocus sativus</i> L.). <i>Scientia Horticulturae</i> , 2020, 262, 109027.	3.6	28
4984	Phytotoxicity and upper localization of Ag@CoFe ₂ O ₄ nanoparticles in wheat plants. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1923-1940.	5.3	18
4985	Growth performance of tropical wetland species (<i>Cyperus involucratus</i> Rottb. and <i>Thalia geniculata</i>) Tj ETQq1 1 0.784314 rgBT /Overbo 143, 105667.	3.6	14
4986	Transcriptomics and targeted metabolomics profilings for elucidation of pigmentation in <i>Lonicera japonica</i> flowers at different developmental stages. <i>Industrial Crops and Products</i> , 2020, 145, 111981.	5.2	32
4987	Melatonin enhances salt stress tolerance in rubber tree (<i>Hevea brasiliensis</i>) seedlings. <i>Industrial Crops and Products</i> , 2020, 145, 111990.	5.2	27

4989	Small-scale phyco-mitigation of raw urban wastewater integrated with biodiesel production and its utilization for aquaculture. Bioresource Technology, 2020, 297, 122489.	9.6	51
4990	Tolerance to cadmium toxicity and phytoremediation potential of three Brassica rapa CAX1a TILLING mutants. Ecotoxicology and Environmental Safety, 2020, 189, 109961.	6.0	13
4991	Field comparison of ecophysiological traits between an invader and a native species in a Mediterranean coastal dune. Plant Physiology and Biochemistry, 2020, 146, 278-286.	5.8	12
4992	Bradyrhizobium sp. enhance ureide metabolism increasing peanuts yield. Archives of Microbiology, 2020, 202, 645-656.	2.2	9
4993	Oxidation of polyphenols and inhibition of photosystem II under acute photooxidative stress. Planta, 2020, 251, 16.	3.2	4
4994	Simultaneous improvements on nutrient and Mg recoveries of microalgal bioremediation for municipal wastewater and nickel laterite ore wastewater. Bioresource Technology, 2020, 297, 122517.	9.6	54
4995	Comparative Proteomic Analysis Reveals the Regulatory Effects of H2S on Salt Tolerance of Mangrove Plant Kandelia obovata. International Journal of Molecular Sciences, 2020, 21, 118.	4.1	44
4996	Protective Action of Ostreococcus Tauri and Phaeodactylum Tricornutum Extracts towards Benzo[a]Pyrene-Induced Cytotoxicity in Endothelial Cells. Marine Drugs, 2020, 18, 3.	4.6	8
4997	Silencing of Phytopathogen Communication by the Halotolerant PGPR Staphylococcus Equorum Strain EN21. Microorganisms, 2020, 8, 42.	3.6	19
4998	Transcriptional Regulation in Rocket Leaves as Affected by Salinity. Plants, 2020, 9, 20.	3.5	22
4999	Monitoring LAI, Chlorophylls, and Carotenoids Content of a Woodland Savanna Using Hyperspectral Imagery and 3D Radiative Transfer Modeling. Remote Sensing, 2020, 12, 28.	4.0	24
5000	Application of co-composted farm manure and biochar increased the wheat growth and decreased cadmium accumulation in plants under different water regimes. Chemosphere, 2020, 246, 125809.	8.2	65
5001	Species-specific responses to drought, salinity and their interactions in Populus euphratica and P. pruinosa seedlings. Journal of Plant Ecology, 2020, 13, 563-573.	2.3	26
5002	Improved physiological defense responses by application of sodium nitroprusside in Isatis cappadocica Desv. under cadmium stress. Physiologia Plantarum, 2021, 173, 100-115.	5.2	4
5003	Hydroperoxide lyase modulates defense response and confers lesion-mimic leaf phenotype in soybean (Glycine max (L.) Merr.). Plant Journal, 2020, 104, 1315-1333.	5.7	11
5004	Glutamic Acid-Assisted Phytomanagement of Chromium Contaminated Soil by Sunflower (Helianthus) Tj ETQq0 0 0 rgBT /Overlock 10 1297.	3.6	14
5005	Impact of Proton Beam Irradiation on the Growth and Biochemical Indexes of Barley (Hordeum) Tj ETQq1 1 0.784314rgBT /Overlock 3.5 5	3.5	5

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5006	Efficacy of Mushroom Metabolites (<i>Pleurotus ostreatus</i>) as A Natural Product for the Suppression of Broomrape Growth (<i>Orobancha crenata</i> Forsk) in Faba Bean Plants. <i>Plants</i> , 2020, 9, 1265.	3.5	8
5007	Comparison of Empirical and Physical Modelling for Estimation of Biochemical and Biophysical Vegetation Properties: Field Scale Analysis across an Arctic Bioclimatic Gradient. <i>Remote Sensing</i> , 2020, 12, 3073.	4.0	5
5008	Exposure of microalgae <i>Euglena gracilis</i> to polystyrene microbeads and cadmium: Perspective from the physiological and transcriptional responses. <i>Aquatic Toxicology</i> , 2020, 228, 105650.	4.0	42
5009	Physiological and biochemical changes in sorghum under combined heavy metal stress: An adaptive defence against oxidative stress. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 29, 101830.	3.1	16
5010	Utilization of <i>Leptolyngbya boryana</i> mat for modulating nutrient uptake and its translocation in rice (<i>Oryza sativa</i>). <i>Bioresource Technology Reports</i> , 2020, 12, 100575.	2.7	2
5011	Alleviation of cadmium-induced phytotoxicity and growth improvement by exogenous melatonin pretreatment in mallow (<i>Malva parviflora</i>) plants. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111403.	6.0	60
5012	Silicon-induced postponement of leaf senescence is accompanied by modulation of antioxidative defense and ion homeostasis in mustard (<i>Brassica juncea</i>) seedlings exposed to salinity and drought stress. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 47-59.	5.8	70
5013	The effect of a glass matrix fertilizer and compost amendment on plant growth and mineral nutrition of two container-grown <i>Rose</i> spp. cultivars. <i>Scientia Horticulturae</i> , 2020, 274, 109660.	3.6	5
5014	Application of <i>Lemna gibba</i> L. and a bio-based aerogel for the removal of metal(loid)s from stream waters near three gold deposits in northwestern Iran. <i>Environmental Technology and Innovation</i> , 2020, 20, 101068.	6.1	3
5015	Drought-induced AtbZIP62 transcription factor regulates drought stress response in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 156, 384-395.	5.8	30
5016	Methodology: an optimized, high-yield tomato leaf chloroplast isolation and stroma extraction protocol for proteomics analyses and identification of chloroplast co-localizing proteins. <i>Plant Methods</i> , 2020, 16, 131.	4.3	9
5017	Application of rice endophytic <i>Bradyrhizobium</i> strain SUTN9-2 containing modified ACC deaminase to rice cultivation under water deficit conditions. <i>Journal of Plant Interactions</i> , 2020, 15, 322-334.	2.1	8
5018	Effects of zero-valent iron nanoparticles and quinclorac coexposure on the growth and antioxidant system of rice (<i>Oryza sativa</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 111054.	6.0	13
5019	[D-Leu1]MC-LR Has Lower PP1 Inhibitory Capability and Greater Toxic Potency than MC-LR in Animal and Plant Tissues. <i>Toxins</i> , 2020, 12, 632.	3.4	6
5020	Lead tolerant endophyte <i>Trametes hirsuta</i> improved the growth and lead accumulation in the vegetative parts of <i>Triticum aestivum</i> L.. <i>Heliyon</i> , 2020, 6, e04188.	3.2	24
5021	The potential mitigation effect of ZnO nanoparticles on [<i>Abelmoschus esculentus</i> L. Moench] metabolism under salt stress conditions. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 3132-3137.	3.8	93
5022	Influence of polyamines on hyperhydricity reversion and its associated mechanism during micropropagation of China pink (<i>Dianthus chinensis</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 2035-2045.	3.1	9
5023	Regulation of the size of photosystem II light harvesting antenna represents a universal mechanism of higher plant acclimation to stress conditions. <i>Functional Plant Biology</i> , 2020, 47, 959.	2.1	12

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5024	Introduction of the Nicotiana protein kinase (NPK1) gene by combining Agrobacterium-mediated transformation and recurrent somatic embryogenesis to enhance salt tolerance in cauliflower. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 143, 635-651.	2.3	5
5025	[D-Leu1]MC-LR and MC-LR: A Smallâ€“Large Difference: Significantly Different Effects on <i>Phaseolus vulgaris</i> L. (Fabaceae) Growth and Phototropic Response after Single Contact during Imbibition with Each of These Microcystin Variants. <i>Toxins</i> , 2020, 12, 585.	3.4	11
5026	Morphophysiological and Photosynthetic Reactions of Wheat (<i>T. aestivum</i> L.) and Its Wild Congeners to Drought Condition In Vivo and In Vitro. , 0, , .		0
5027	Physiological and biochemical studies of black gram (<i>Vigna mungo</i> (L.) Hepper) under polyethylene glycol induced drought stress. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 29, 101777.	3.1	9
5028	Isolation of freshwater microalgae and outdoor cultivation using cheese whey as substrate. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 29, 101799.	3.1	9
5029	Pre- sowing seed treatment with salicylic acid and sodium hydrosulfide confers Pb toxicity tolerance in maize (<i>Zea mays</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111392.	6.0	13
5030	Arbuscular mycorrhizal fungi inoculation improve essential oil and physiological parameters and nutritional values of <i>Thymus daenensis</i> Celak and <i>Thymus vulgaris</i> L. under normal and drought stress conditions. <i>European Journal of Soil Biology</i> , 2020, 100, 103217.	3.2	26
5031	The effect of microplastics pollution in microalgal biomass production: A biochemical study. <i>Water Research</i> , 2020, 186, 116370.	11.3	35
5032	Carbon assimilation through a vertical light gradient in the canopy of invasive herbs grown under different temperature regimes is determined by leaf and whole-plant architecture. <i>AoB PLANTS</i> , 2020, 12, plaa031.	2.3	4
5033	Exogenous nitric oxide requires endogenous hydrogen sulfide to induce the resilience through sulfur assimilation in tomato seedlings under hexavalent chromium toxicity. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 20-34.	5.8	66
5034	Copper and mercury induced oxidative stresses and antioxidant responses of <i>Spirodela polyrhiza</i> (L.) Schleid. <i>Biochemistry and Biophysics Reports</i> , 2020, 23, 100781.	1.3	28
5035	Melatonin immersion affects the quality of freshâ€“cut broccoli (<i>Brassica oleracea</i> L.) during cold storage: Focus on the antioxidant system. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14691.	2.0	23
5036	<i>Bacillus siamensis</i> Reduces Cadmium Accumulation and Improves Growth and Antioxidant Defense System in Two Wheat (<i>Triticum aestivum</i> L.) Varieties. <i>Plants</i> , 2020, 9, 878.	3.5	61
5037	<i>Coffea arabica</i> seedlings genotypes are tolerant to high induced selenium stress: Evidence from physiological plant responses and antioxidative performance. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 111016.	6.0	8
5038	Photosynthetic responses of <i>Arabidopsis</i> to SO ₂ were related to photosynthetic pigments, photosynthesis gene expression and redox regulation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 111019.	6.0	10
5039	Influence of short-term exposure to high light on photosynthesis and proteins involved in photo-protective processes in tomato leaves. <i>Environmental and Experimental Botany</i> , 2020, 179, 104198.	4.2	13
5040	Genetic and physiological regulation of folate in pak choi (<i>Brassica rapa</i> subsp. <i>Chinensis</i>) germplasm. <i>Journal of Experimental Botany</i> , 2020, 71, 4914-4929.	4.8	8
5041	Mitochondrial signalling is critical for acclimation and adaptation to flooding in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020, 103, 227-247.	5.7	51

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5043	Effects of Darkness and Light Spectra on Nutrients and Pigments in Radish, Soybean, Mung Bean and Pumpkin Sprouts. <i>Antioxidants</i> , 2020, 9, 558.	5.1	35
5044	Performance Comparison of <i>Eichhornia crassipes</i> and <i>Salvinia natans</i> on Azo-Dye (Eriochrome Black T) Phytoremediation. <i>Crystals</i> , 2020, 10, 565.	2.2	23
5045	Priming of tomato seedlings with 2-oxoglutarate induces arsenic toxicity alleviatory responses by involving endogenous nitric oxide. <i>Physiologia Plantarum</i> , 2021, 173, 45-57.	5.2	13
5046	Functional Condition of Photosystem II in Leaves of Spring Oats during Autumnal Decrease in Temperature. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 661-670.	1.1	3
5047	Spermine-priming restrained water relations and biochemical deteriorations prompted by water deficit on two soybean cultivars. <i>Heliyon</i> , 2020, 6, e04038.	3.2	23
5048	Mitigating effects of Bean yellow mosaic virus infection in faba bean using new carboxymethyl chitosan-titania nanobiocomposites. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1261-1275.	7.5	47
5049	Ameliorative effects of ascorbic acid on tolerance to drought stress on pepper (<i>Capsicum annuum</i> L) plants. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1649-1662.	3.1	37
5050	Drone-Based Fluorescence Lidar Systems for Vegetation and Marine Environment Monitoring. <i>EPJ Web of Conferences</i> , 2020, 237, 07013.	0.3	3
5051	Acute and prolonged effects of variable salinity on growth, gas exchange and photobiology of eelgrass (<i>Zostera marina</i> L.). <i>Aquatic Botany</i> , 2020, 165, 103236.	1.6	4
5052	Selenium Enrichment Enhances the Quality and Shelf Life of Basil Leaves. <i>Plants</i> , 2020, 9, 801.	3.5	33
5053	Effects of low molecular weight organic acids on Cu accumulation by castor bean and soil enzyme activities. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 110983.	6.0	36
5054	Effect of Salt-Tolerant Bacterial Inoculations on Rice Seedlings Differing in Salt-Tolerance under Saline Soil Conditions. <i>Agronomy</i> , 2020, 10, 1030.	3.0	36
5055	Inherent trait differences explain wheat cultivar responses to climate factor interactions: New insights for more robust crop modelling. <i>Global Change Biology</i> , 2020, 26, 5965-5978.	9.5	7
5056	The role of monochromatic red and blue light in tomato early photomorphogenesis and photosynthetic traits. <i>Environmental and Experimental Botany</i> , 2020, 179, 104195.	4.2	74
5057	Cadmium Partitioning, Physiological and Oxidative Stress Responses in Marigold (<i>Calendula calypso</i>) Grown on Contaminated Soil: Implications for Phytoremediation. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 270-276.	2.7	30
5058	Physiological and morphological responses of blueberry to manganese stress in soil. <i>Revista Brasileira De Botanica</i> , 2020, 43, 419-427.	1.3	3
5059	Exogenous Glutathione-Mediated Drought Stress Tolerance in Rice (<i>Oryza sativa</i> L.) is Associated with Lower Oxidative Damage and Favorable Ionic Homeostasis. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2020, 44, 955-971.	1.5	39

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5060	Diagnosis of Nitrogen Nutrition in Sugar Beet Based on the Characteristics of Scanned Leaf Images. International Journal of Plant Production, 2020, 14, 663-677.	2.2	2
5061	Synergistic Effect of <i>Bacillus thuringiensis</i> IAGS 199 and Putrescine on Alleviating Cadmium-Induced Phytotoxicity in <i>Capsicum annum</i> . Plants, 2020, 9, 1512.	3.5	31
5062	Subcellular Localization of GIGANTEA Regulates the Timing of Leaf Senescence and Flowering in Arabidopsis. Frontiers in Plant Science, 2020, 11, 589707.	3.6	8
5063	Effects of biochar and biofertilizer on cadmium-contaminated cotton growth and the antioxidative defense system. Scientific Reports, 2020, 10, 20112.	3.3	42
5064	Acyl Lipids and Lipophilic and Phenolic Compounds from Rare Plant Species. Chemistry of Natural Compounds, 2020, 56, 990-993.	0.8	0
5065	Antagonistic effects of EDTA against biochemical toxicity induced by Cr(VI) in <i>Hordeum vulgare</i> L. seedlings. Physiology and Molecular Biology of Plants, 2020, 26, 2487-2502.	3.1	7
5066	Physiological and Biochemical Behaviors of Date Palm Vitroplants Treated with Microbial Consortia and Compost in Response to Salt Stress. Applied Sciences (Switzerland), 2020, 10, 8665.	2.5	27
5067	The Influence of Artificial Lighting Systems on the Cultivation of Algae: The Example of <i>Chlorella vulgaris</i> . Energies, 2020, 13, 5994.	3.1	7
5068	Valorization of Moroccan <i>Crocus sativus</i> L. By-products: Foliar Spraying of Aqueous Tepal Extract Stimulates Growth and Confers Antioxidant Properties in Eggplant Seedling under Greenhouse Conditions. BioMed Research International, 2020, 2020, 1-13.	1.9	7
5069	GraS is critical for chloroplast development and affects yield in rice. Journal of Integrative Agriculture, 2020, 19, 2603-2615.	3.5	4
5070	Lead-induced changes in germination behavior, growth and inhibition of -aminolevulinic acid dehydratase activity in <i>Raphanus sativus</i> L.. African Journal of Plant Science, 2020, 14, 254-261.	0.7	2
5071	Role of rhizospheric microorganisms in mitigating the adverse effect of salinity stress in <i>Plantago ovata</i> growth, biochemical and photosynthetic traits. Archives of Agronomy and Soil Science, 2021, 67, 1060-1074.	2.6	2
5072	Hormetic doses of UV light decrease the susceptibility of tomato plants to <i>Botrytis cinerea</i> infection. Journal of Phytopathology, 2020, 168, 524-532.	1.0	10
5073	$\delta^{15}\text{N}$ as a cultivar selection tool for differentiating alfalfa varieties under biosaline conditions. Plant and Soil, 2020, 454, 311-326.	3.7	1
5074	Expression of <i>Cocculus hirsutus</i> trypsin inhibitor promotes endogenous defensive response against <i>Helicoverpa armigera</i> and enhanced levels of antioxidants. African Journal of Plant Science, 2020, 14, 65-82.	0.7	6
5075	Identification of carotenoids and chlorophylls from green algae <i>Chlorococcum humicola</i> and extraction by liquefied dimethyl ether. Food and Bioproducts Processing, 2020, 123, 296-303.	3.6	29
5076	Risk assessment of heavy metal(loid)s via <i>Spinacia oleracea</i> ingestion after sewage water irrigation practices in Vehari District. Environmental Science and Pollution Research, 2020, 27, 39841-39851.	5.3	22
5077	Yield-related biochemical response of understory mycorrhizal yellow sweet clover (<i>Melilotus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1603-1620.	2.6	4

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5078	Temporal Responses to Direct and Induced Iron Deficiency in <i>Parietaria judaica</i> . <i>Agronomy</i> , 2020, 10, 1037.	3.0	2
5079	Butanolide alleviated cadmium stress by improving plant growth, photosynthetic parameters and antioxidant defense system of brassica oleracea. <i>Chemosphere</i> , 2020, 261, 127728.	8.2	57
5080	Deficiencies in phytochromes A and B and cryptochrome 1 affect the resistance of the photosynthetic apparatus to high-intensity light in <i>Solanum lycopersicum</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111976.	3.8	21
5081	Modified Method for Extraction of Photosynthetic Plant Pigments for Microcolumn Chromatography. <i>Journal of Chemical Education</i> , 2020, 97, 2362-2365.	2.3	4
5082	Genotypic Variability of Photosynthetic Parameters in Maize Ear-Leaves at Different Cadmium Levels in Soil. <i>Agronomy</i> , 2020, 10, 986.	3.0	6
5083	The effects of foliar application of melatonin on some physiological and biochemical characteristics and expression of fatty acid desaturase gene in pistachio seedlings (<i>Pistacia vera</i> L.) under freezing stress. <i>Journal of Plant Interactions</i> , 2020, 15, 257-265.	2.1	15
5084	Silicon changes C:N:P stoichiometry of sugarcane and its consequences for photosynthesis, biomass partitioning and plant growth. <i>Scientific Reports</i> , 2020, 10, 12492.	3.3	49
5085	Accelerating lipid production in freshwater alga <i>Chlorella sorokiniana</i> SDEC-18 by seawater and ultrasound during the stationary phase. <i>Renewable Energy</i> , 2020, 161, 448-456.	8.9	15
5086	Molecular basis for neofunctionalization of duplicated E3 ubiquitin ligases underlying adaptation to drought tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020, 104, 474-492.	5.7	3
5087	Anatomic features, tolerance index, secondary metabolites and protein content of chickpea (<i>Cicer</i> Tj ETQq1 1 0.784314 rgBT /Overlock Molecular Biology of Plants, 2020, 26, 1551-1568.	3.1	14
5088	A 2-Cys peroxiredoxin gene from <i>Tamarix hispida</i> improved salt stress tolerance in plants. <i>BMC Plant Biology</i> , 2020, 20, 360.	3.6	13
5089	Ecotoxicological Assessment of a Glyphosate-Based Herbicide in Cover Plants: <i>Medicago sativa</i> L. as a Model Species. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5098.	2.5	13
5090	MdHAL3, a 4â€²-phosphopantothienoylcysteine decarboxylase, is involved in the salt tolerance of autotetraploid apple. <i>Plant Cell Reports</i> , 2020, 39, 1479-1491.	5.6	8
5091	Optimization of high hydrostatic pressure assisted extraction of stinging nettle leaves using response surface methodology experimental design. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 2773-2780.	3.2	7
5092	Full sunlight acclimation mechanisms in <i>Riccia discolor</i> thalli: Assessment at morphological, anatomical, and biochemical levels. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111983.	3.8	0
5093	Effect of symbiosis with arbuscular mycorrhizal fungi on salt stress tolerance in GF677 (peach—almond) rootstock. <i>Scientia Horticulturae</i> , 2020, 272, 109535.	3.6	14
5094	Transcriptomic analysis of Dubas bug (<i>Ommatissus lybicus</i> Bergevin) infestation to Date Palm. <i>Scientific Reports</i> , 2020, 10, 11505.	3.3	5
5095	Transcriptomic and network analyses reveal distinct nitrate responses in light and dark in rice leaves (<i>Oryza sativa</i> Indica var. Panvel1). <i>Scientific Reports</i> , 2020, 10, 12228.	3.3	15

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5097	Quantifying vertical profiles of biochemical traits for forest plantation species using advanced remote sensing approaches. <i>Remote Sensing of Environment</i> , 2020, 250, 112041.	11.0	22
5098	The Anti-Senescence Activity of Cytokinin Arabinosides in Wheat and Arabidopsis Is Negatively Correlated with Ethylene Production. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8109.	4.1	9
5099	Overexpression of CDSP32 (GhTRX134) Cotton Gene Enhances Drought, Salt, and Oxidative Stress Tolerance in Arabidopsis. <i>Plants</i> , 2020, 9, 1388.	3.5	20
5100	Fruit size affected the SERB level and bioactive compounds of "Thomson Navel" orange fruit during cold storage. <i>Plant Physiology Reports</i> , 2020, 25, 716-722.	1.5	0
5101	The Crosstalk between Cytokinin and Auxin Signaling Pathways in the Control of Natural Senescence of Arabidopsis thaliana Leaves. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 1028-1035.	1.1	9
5102	Mutation of Arabidopsis Copper-Containing Amine Oxidase Gene AtCuAO1 Alters Polyamines, Reduces Gibberellin Content and Affects Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7789.	4.1	8
5103	Evaluation of poultry waste medium and light quality for lipid accumulation in fresh water green microalgae isolate. <i>African Journal of Biotechnology</i> , 2020, 19, 449-457.	0.6	0
5104	Differential Contribution of P5CS Isoforms to Stress Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 565134.	3.6	63
5105	Identification and Characterization of Contrasting Genotypes/Cultivars for Developing Heat Tolerance in Agricultural Crops: Current Status and Prospects. <i>Frontiers in Plant Science</i> , 2020, 11, 587264.	3.6	54
5106	Precise Editing of the OsPYL9 Gene by RNA-Guided Cas9 Nuclease Confers Enhanced Drought Tolerance and Grain Yield in Rice (<i>Oryza sativa</i> L.) by Regulating Circadian Rhythm and Abiotic Stress Responsive Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7854.	4.1	66
5107	Independent variation in copper tolerance and copper accumulation among crop species and varieties. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 538-551.	5.8	4
5108	Effect of (+) and (−) Usnic Acid on Physiological, Biochemical, and Cytological Characteristics of <i>Allium fistulosum</i> Seeds. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 1046-1053.	1.1	2
5109	The Potential of Spectral Measurements for Identifying Glyphosate Application to Agricultural Fields. <i>Agronomy</i> , 2020, 10, 1409.	3.0	15
5110	Application of bio-organic fertilizer, not biochar, in degraded red soil improves soil nutrients and plant growth. <i>Rhizosphere</i> , 2020, 16, 100264.	3.0	41
5111	Characterization of Nutrient Disorders and Impacts on Chlorophyll and Anthocyanin Concentration of Brassica rapa var. Chinensis. <i>Agriculture (Switzerland)</i> , 2020, 10, 461.	3.1	13
5112	Cold Stress Activates the Expression of Genes of the Chloroplast Transcription Apparatus in Arabidopsis thaliana Plants. <i>Doklady Biochemistry and Biophysics</i> , 2020, 494, 235-239.	0.9	3
5113	Violence in physical education in a disadvantaged congolese environment: Perceptions of students and teachers. <i>Educational Research and Reviews</i> , 2020, 15, 385-394.	0.6	0

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5115	Polylysine effect on thylakoid membranes. <i>Biophysical Chemistry</i> , 2020, 266, 106440.	2.8	5
5116	An ethyl methanesulfonate-induced neutral mutant bridging method efficiently identifies spontaneously mutated genes in rice. <i>Plant Journal</i> , 2020, 104, 1129-1141.	5.7	3
5117	OsCRS2 encoding a peptidyl-tRNA hydrolase protein is essential for chloroplast development in rice. <i>Plant Growth Regulation</i> , 2020, 92, 535-545.	3.4	3
5118	OsCAF2 contains two CRM domains and is necessary for chloroplast development in rice. <i>BMC Plant Biology</i> , 2020, 20, 381.	3.6	9
5119	Induction of Callogenesis, Organogenesis, and Embryogenesis in Non-Meristematic Explants of Bleeding Heart and Evaluation of Chemical Diversity of Key Metabolites from Callus. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5826.	4.1	12
5120	The Effect of Light on Antioxidant Properties and Metabolic Profile of Chia Microgreens. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5731.	2.5	21
5122	Effect of the transgenerational exposure to elevated CO ₂ on low temperature tolerance of winter wheat: Chloroplast ultrastructure and carbohydrate metabolism. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 773-783.	3.5	12
5123	Reactive oxygen species metabolism and photosynthetic performance in leaves of <i>Hordeum vulgare</i> plants co-infested with <i>Heterodera filipjevi</i> and <i>Aceria tosichella</i> . <i>Plant Cell Reports</i> , 2020, 39, 1719-1741.	5.6	13
5124	Changes in Biochemical and Volatile Flavor Compounds of Shine Muscat at Different Ripening Stages. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5661.	2.5	5
5125	The Sentinel-3 OLCI Terrestrial Chlorophyll Index (OTCI): Algorithm Improvements, Spatiotemporal Consistency and Continuity with the MERIS Archive. <i>Remote Sensing</i> , 2020, 12, 2652.	4.0	15
5126	Zinc and Paclobutrazol Mediated Regulation of Growth, Upregulating Antioxidant Aptitude and Plant Productivity of Pea Plants under Salinity. <i>Plants</i> , 2020, 9, 1197.	3.5	57
5127	Cannabinoids and terpenoids yields of the ornamental <i>Cannabis sativa</i> L. cultivar "Divina"™ characterized by a variegated foliage as morphological marker. <i>Acta Horticulturae</i> , 2020, , 161-168.	0.2	1
5128	Interactive Effects of N Form and P Concentration on Growth and Tissue Composition of Hybrid Napier Grass (<i>Pennisetum purpureum</i> L. – <i>Pennisetum americanum</i>). <i>Plants</i> , 2020, 9, 1003.	3.5	2
5129	Viral Perturbation of Alternative Splicing of a Host Transcript Benefits Infection. <i>Plant Physiology</i> , 2020, 184, 1514-1531.	4.8	11
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5131	Combined Soil and Foliar Nitrogen Fertilization Effects on Rainfed Almond Tree Performance. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2552-2565.	3.4	10
5132	Rice lectin protein r40c1 imparts drought tolerance by modulating S-adenosylmethionine synthase 2, stress-associated protein 8 and chromatin-associated proteins. <i>Journal of Experimental Botany</i> , 2020, 71, 7331-7346.	4.8	20

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5137	Chemical Composition of Cuticular Waxes and Pigments and Morphology of Leaves of <i>Quercus suber</i> Trees of Different Provenance. <i>Plants</i> , 2020, 9, 1165.	3.5	17
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5141	Photosynthetic performance of silver fir (<i>Abies alba</i>) of different origins under suboptimal growing conditions. <i>Functional Plant Biology</i> , 2020, 47, 1007.	2.1	8
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5146	Influence of Metal-Resistant <i>Staphylococcus aureus</i> Strain K1 on the Alleviation of Chromium Stress in Wheat. <i>Agronomy</i> , 2020, 10, 1354.	3.0	15
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5150	Physiological Characteristics of Photosynthesis in Yellow-Green, Green and Dark-Green Chinese Kale (<i>Brassica oleracea</i> L. var. <i>alboglabra</i> Musil.) under Varying Light Intensities. <i>Plants</i> , 2020, 9, 960.	3.5	18

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5159	Optimization of antioxidant activity and bioactive compounds extraction of winter savory leaves by high hydrostatic pressure. <i>High Pressure Research</i> , 2020, 40, 543-560.	1.2	7
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5166	Physiological and Biochemical Changes in Sugar Beet Seedlings to Confer Stress Adaptability under Drought Condition. <i>Plants</i> , 2020, 9, 1511.	3.5	39
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5189	Single and combined effects of the drugs salicylic acid and acetazolamide: Adverse changes in physiological parameters of the freshwater macrophyte, <i>Lemna gibba</i> . <i>Environmental Toxicology and Pharmacology</i> , 2020, 79, 103431.	4.0	9
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5255	Can Ceylon Leadwort (<i>Plumbago zeylanica</i> L.) Acclimate to Lead Toxicity?â€”Studies of Photosynthetic Apparatus Efficiency. International Journal of Molecular Sciences, 2020, 21, 1866.	4.1	18
5256	Foliar Pre-Treatment with Absciscic Acid Enhances Olive Tree Drought Adaptability. Plants, 2020, 9, 341.	3.5	10
5257	Salinity Stress-Mediated Suppression of Expression of Salt Overly Sensitive Signaling Pathway Genes Suggests Negative Regulation by AtbZIP62 Transcription Factor in <i>Arabidopsis thaliana</i> . International Journal of Molecular Sciences, 2020, 21, 1726.	4.1	47
5258	Regulation of biomass, pigments, and lipid production by <i>Chlorella vulgaris</i> 31 through controlling trophic modes and carbon sources. Journal of Applied Phycology, 2020, 32, 1569-1579.	2.8	34

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5260	Improvement of ionizing gamma irradiation tolerance of <i>Chlorella vulgaris</i> by pretreatment with polyethylene glycol. <i>International Journal of Radiation Biology</i> , 2020, 96, 919-928.	1.8	3
5261	Diagnosing early disorders in <i>Jatropha curcas</i> to calcium, magnesium and sulfur deficiency. <i>Journal of Plant Nutrition</i> , 2020, 43, 1604-1616.	1.9	6
5262	Effects of shade stress on turfgrasses morphophysiology and rhizosphere soil bacterial communities. <i>BMC Plant Biology</i> , 2020, 20, 92.	3.6	23
5263	Harvest Time and Cultivar Effects on Growth, Physiological Traits, Yield and Quality of Alfalfa in Saline Condition. <i>International Journal of Plant Production</i> , 2020, 14, 453-462.	2.2	9
5264	Silicon Increases Leaf Chlorophyll Content and Iron Nutritional Efficiency and Reduces Iron Deficiency in Sorghum Plants. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1311-1320.	3.4	37
5265	Efficacy of fenugreek plant for ascorbic acid assisted phytoextraction of copper (Cu); A detailed study of Cu induced morpho-physiological and biochemical alterations. <i>Chemosphere</i> , 2020, 251, 126424.	8.2	22
5266	Rice straw biochar impact on physiological and biochemical attributes of <i>Fokienia hodginsii</i> in acidic soil. <i>Scandinavian Journal of Forest Research</i> , 2020, 35, 59-68.	1.4	15
5267	Effect of light on carotenoid and lipid production in the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1501-1512.	1.3	24
5268	High-throughput phenotyping using digital and hyperspectral imaging-derived biomarkers for genotypic nitrogen response. <i>Journal of Experimental Botany</i> , 2020, 71, 4604-4615.	4.8	43
5269	Evolutionary History and Activity of RNase H1-Like Proteins in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2020, 61, 1107-1119.	3.1	12
5270	Genome-Wide Association Mapping for Heat Stress Responsive Traits in Field Pea. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2043.	4.1	47
5271	Yield, Essential Oil and Quality Performances of <i>Artemisia dracuncululus</i> , <i>Hyssopus officinalis</i> and <i>Lavandula angustifolia</i> as Affected by Arbuscular Mycorrhizal Fungi under Organic Management. <i>Plants</i> , 2020, 9, 375.	3.5	37
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5273	Influence of growth regulators on the development, quality, and physiological state of in vitro-propagated <i>Lamprocapnos spectabilis</i> (L.) Fukuhara. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2020, 56, 447-457.	2.1	20
5274	Phytochemical properties and antioxidant activity of <i>Echinops persicus</i> plant extract: green synthesis of carbon quantum dots from the plant extract. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	24
5275	Towards Nutrition-Sensitive Agriculture: An evaluation of biocontrol effects, nutritional value, and ecological impact of bacterial inoculants. <i>Science of the Total Environment</i> , 2020, 724, 138127.	8.0	16
5276	Borage extracts affect wild rocket quality and influence nitrate and carbon metabolism. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 649-660.	3.1	9

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5279	The Ecophysiological Response of Two Invasive Submerged Plants to Light and Nitrogen. <i>Frontiers in Plant Science</i> , 2019, 10, 1747.	3.6	9
5280	Biomass and Lipid Production Potential of an Indian Marine Algal Isolate <i>Tetraselmis striata</i> BBRR1. <i>Energies</i> , 2020, 13, 341.	3.1	10
5281	Exogenous Application of Proline and Salicylic Acid can Mitigate the Injurious Impacts of Drought Stress on Barley Plants Associated with Physiological and Histological Characters. <i>Sustainability</i> , 2020, 12, 1736.	3.2	105
5282	Antioxidative responses to short-term salinity stress induce drought tolerance in walnut. <i>Scientia Horticulturae</i> , 2020, 267, 109322.	3.6	19
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5284	Plant growth-promoting activity and quorum quenching-mediated biocontrol of bacterial phytopathogens by <i>Pseudomonas segetis</i> strain P6. <i>Scientific Reports</i> , 2020, 10, 4121.	3.3	69
5285	Low-Temperature Adaptation of the Snow Alga <i>Chlamydomonas nivalis</i> Is Associated With the Photosynthetic System Regulatory Process. <i>Frontiers in Microbiology</i> , 2020, 11, 1233.	3.5	25
5286	Selenium toxicity stress-induced phenotypical, biochemical and physiological responses in rice plants: Characterization of symptoms and plant metabolic adjustment. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110916.	6.0	31
5287	Factors affecting freezing tolerance: a comparative transcriptomics study between field and artificial cold acclimations in overwintering evergreens. <i>Plant Journal</i> , 2020, 103, 2279-2300.	5.7	29
5288	Light Regulation of Chlorophyll and Glycoalkaloid Biosynthesis During Tuber Greening of Potato <i>S. tuberosum</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 753.	3.6	14
5289	Photobleaching of Chlorophyll in Light-Harvesting Complex II Increases in Lipid Environment. <i>Frontiers in Plant Science</i> , 2020, 11, 849.	3.6	21
5290	Natural dyes in hybrid chalcogenide multi-layer thin films. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	0
5291	What is the Difference between the Response of Grass Pea (<i>Lathyrus sativus</i> L.) to Salinity and Drought Stress? A Physiological Study. <i>Agronomy</i> , 2020, 10, 833.	3.0	28
5292	NaCl and Na ₂ SO ₄ Salinities Have Different Impact on Photosynthesis and Yield-Related Parameters in Rice (<i>Oryza sativa</i> L.). <i>Agronomy</i> , 2020, 10, 864.	3.0	22
5293	Comparative Studies on Different Citrus Cultivars: A Revaluation of Waste Mandarin Components. <i>Antioxidants</i> , 2020, 9, 517.	5.1	36
5294	Mitigation of water deficit stress in <i>Dracocephalum moldavica</i> by symbiotic association with soil microorganisms. <i>Scientia Horticulturae</i> , 2020, 272, 109549.	3.6	29

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5296	Repressed Gene Expression of Photosynthetic Antenna Proteins Associated with Yellow Leaf Variation as Revealed by Bulk Segregant RNA-seq in Tea Plant <i>Camellia sinensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8068-8079.	5.2	26
5297	Colonization with arbuscular mycorrhizal fungi mitigates cold stress through improvement of antioxidant defense and accumulation of protecting molecules in eggplants. <i>Scientia Horticulturae</i> , 2020, 272, 109575.	3.6	34
5298	Increased ratio of galactolipid MGDG:DGDG induces jasmonic acid overproduction and changes chloroplast shape. <i>New Phytologist</i> , 2020, 228, 1327-1335.	7.3	30
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5300	Effects of rodent-induced disturbance on eco-physiological traits of <i>Haloxylon ammodendron</i> in the Gurbantunggut Desert, Xinjiang, China. <i>Journal of Arid Land</i> , 2020, 12, 508-521.	2.3	5
5301	The change of accumulation of heavy metal drive interspecific facilitation under copper and cold stress. <i>Aquatic Toxicology</i> , 2020, 225, 105550.	4.0	3
5302	Ecotoxicological effects of the azole antifungal agent clotrimazole on the macrophyte species <i>Lemna minor</i> and <i>Lemna gibba</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 237, 108835.	2.6	13
5303	Removal of ofloxacin with biofuel production by oleaginous microalgae <i>Scenedesmus obliquus</i> . <i>Bioresource Technology</i> , 2020, 315, 123738.	9.6	48
5304	Intensive silvicultural practices drive the forest restoration in southern Brazil. <i>Forest Ecology and Management</i> , 2020, 473, 118325.	3.2	5
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5306	LED lights increase an antioxidant capacity of <i>Arabidopsis thaliana</i> under wound-induced stresses. <i>Functional Plant Biology</i> , 2020, 47, 853.	2.1	7
5307	Effects of ABA and NaCl on physiological responses in selected bryophyte species. <i>Botany</i> , 2020, 98, 639-650.	1.0	8
5308	The cadmium tolerance development of poplar callus is influenced by silicon. <i>Ecotoxicology</i> , 2020, 29, 987-1002.	2.4	5
5309	Fusion constructs enhance heterologous β -phellandrene production in <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Applied Phycology</i> , 2020, 32, 2889-2902.	2.8	7
5310	Effects of cadmium on two wheat cultivars depending on different nitrogen supply. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 789-799.	5.8	28
5311	Effect of coupling alkaline pretreatment and sewage sludge co-digestion on methane production and fertilizer potential of digestate. <i>Science of the Total Environment</i> , 2020, 743, 140670.	8.0	27
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5314	Management of Plant Physiology with Beneficial Bacteria to Improve Leaf Bioactive Profiles and Plant Adaptation under Saline Stress in <i>Olea europea</i> L. <i>Foods</i> , 2020, 9, 57.	4.3	13
5315	Effects of green synthesized zinc and copper nano-fertilizers on the morphological and biochemical attributes of basil plant. <i>Journal of Plant Nutrition</i> , 2020, 43, 1104-1118.	1.9	96
5316	AAL-toxin induced stress in <i>Arabidopsis thaliana</i> is alleviated through GSH-mediated salicylic acid and ethylene pathways. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 141, 299-314.	2.3	4
5317	Synergistic effects of silver nanoparticles augmented <i>Calothrix elenkinii</i> for enhanced biocontrol efficacy against <i>Alternaria</i> blight challenged tomato plants. <i>3 Biotech</i> , 2020, 10, 102.	2.2	29
5318	Morphophysiological responses of tomato phytochrome mutants under sun and shade conditions. <i>Revista Brasileira De Botanica</i> , 2020, 43, 45-54.	1.3	5
5319	Phytotoxicity of Class B aqueous firefighting formulations, Tridol S 3 and 6% to <i>Lemna minor</i> . <i>Environmental Technology and Innovation</i> , 2020, 18, 100688.	6.1	1
5320	Influence of plastic film mulching and planting density on yield, leaf anatomy, and root characteristics of maize on the Loess Plateau. <i>Crop Journal</i> , 2020, 8, 548-564.	5.2	44
5321	Effects of Warming and N Deposition on the Physiological Performances of <i>Leymus secalinus</i> in Alpine Meadow of Qinghai-Tibetan Plateau. <i>Frontiers in Plant Science</i> , 2019, 10, 1804.	3.6	23
5322	Portable Microalgal Biosensor for Herbicide Monitoring. <i>ChemElectroChem</i> , 2020, 7, 1623-1630.	3.4	16
5323	Bagging cv. Fuji, Raku Raku Apple Fruit Affects Their Phenolic Profile and Antioxidant Capacity. <i>Erwerbs-Obstbau</i> , 2020, 62, 221-229.	1.3	7
5324	A xylan glucuronosyltransferase gene exhibits pleiotropic effects on cellular composition and leaf development in rice. <i>Scientific Reports</i> , 2020, 10, 3726.	3.3	8
5325	Physiological and biochemical markers for screening salt tolerant quinoa genotypes at early seedling stage. <i>Journal of Plant Interactions</i> , 2020, 15, 27-38.	2.1	18
5326	Poplar males and willow females exhibit superior adaptation to nocturnal warming than the opposite sex. <i>Science of the Total Environment</i> , 2020, 717, 137179.	8.0	22
5327	Physiological and biochemical responses of <i>Amaranthus cruentus</i> to polycyclic aromatic hydrocarbon pollution caused by thermal power units. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14790-14806.	5.3	10
5328	The Evaluation of Growth Performance, Photosynthetic Capacity, and Primary and Secondary Metabolite Content of Leaf Lettuce Grown under Limited Irradiation of Blue and Red LED Light in an Urban Plant Factory. <i>Agriculture (Switzerland)</i> , 2020, 10, 28.	3.1	36
5329	Expression levels of the Na ⁺ /K ⁺ transporter OsHKT2;1 and vacuolar Na ⁺ /H ⁺ exchanger OsNHX1, Na enrichment, maintaining the photosynthetic abilities and growth performances of indica rice seedlings under salt stress. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 513-523.	3.1	14
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5332	Screening of microalgae liquid extracts for their bio stimulant properties on plant growth, nutrient uptake and metabolite profile of <i>Solanum lycopersicum</i> L.. <i>Scientific Reports</i> , 2020, 10, 2820.	3.3	90
5333	A new strategy for a combined isolation of EPS and pigments from cyanobacteria. <i>Journal of Applied Phycology</i> , 2020, 32, 1729-1740.	2.8	21
5334	Irrigation of <i>Zea mays</i> with UASB-treated textile wastewater; effect on early irrigation of <i>Zea mays</i> with UASB-treated textile wastewater; effect on early growth and physiology. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15305-15324.	5.3	8
5335	Strategies for severe drought survival and recovery in a Pyrenean relict species. <i>Physiologia Plantarum</i> , 2020, 169, 276-290.	5.2	4
5336	Increase in Cell Wall Thickening and Biomass Production by Overexpression of <i>PmCesA2</i> in Poplar. <i>Frontiers in Plant Science</i> , 2020, 11, 110.	3.6	16
5337	Chlorophyll Concentration Retrieval by Training Convolutional Neural Network for Stochastic Model of Leaf Optical Properties (SLOP) Inversion. <i>Remote Sensing</i> , 2020, 12, 283.	4.0	11
5338	Characterization of the CRM Gene Family and Elucidating the Function of <i>OsCFM2</i> in Rice. <i>Biomolecules</i> , 2020, 10, 327.	4.0	9
5339	In situ experiment to evaluate biochemical responses in the freshwater mussel <i>Diplodon chilensis</i> under anthropogenic eutrophication conditions. <i>Ecotoxicology and Environmental Safety</i> , 2020, 193, 110341.	6.0	7
5340	Tobacco-acquired resistance induced by an exopolysaccharide of <i>Paenibacillus kribbensis</i> PS04 against bacterial wilt. <i>Biocontrol Science and Technology</i> , 2020, 30, 370-383.	1.3	3
5341	Physiological changes of <i>Mentha pulegium</i> in response to exogenous salicylic acid under salinity. <i>Scientia Horticulturae</i> , 2020, 267, 109325.	3.6	29
5342	Biomethanation of invasive water hyacinth from eutrophic waters as a post weed management practice in the Dominican Republic: a developing country. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14138-14149.	5.3	12
5343	In vitro selenium bioaccessibility combined with in vivo bioavailability and bioactivity in Se-enriched microalga (<i>Chlorella sorokiniana</i>) to be used as functional food. <i>Journal of Functional Foods</i> , 2020, 66, 103817.	3.4	24
5344	Responses of <i>Eucalyptus globulus</i> and <i>Ficus nitida</i> to different potential of heavy metal air pollution. <i>International Journal of Phytoremediation</i> , 2020, 22, 986-999.	3.1	17
5345	Two <i>Arabidopsis</i> Chloroplast GrpE Homologues Exhibit Distinct Biological Activities and Can Form Homo- and Hetero-Oligomers. <i>Frontiers in Plant Science</i> , 2019, 10, 1719.	3.6	4
5346	Biochemical traits associated with growing sorghum genotypes with saline water in the field. <i>Journal of Plant Nutrition</i> , 2020, 43, 1136-1153.	1.9	7
5347	Modified multiwall carbon nanotubes display either phytotoxic or growth promoting and stress protecting activity in <i>Ocimum basilicum</i> L. in a concentration-dependent manner. <i>Chemosphere</i> , 2020, 249, 126171.	8.2	76
5348	Assessment of ZnO-NPs toxicity in maize: An integrative microRNAomic approach. <i>Chemosphere</i> , 2020, 249, 126197.	8.2	43

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5349	Phytochemical Constituents and Antioxidant Enzyme Activity Profiles of Different Barley (<i>Hordeum</i>) TJ ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	11
5350	Overexpression of Rice Expansin7 (Osepa7) Confers Enhanced Tolerance to Salt Stress in Rice. International Journal of Molecular Sciences, 2020, 21, 454.	4.1	59
5351	Sulphur potentiates selenium to alleviate arsenic-induced stress by modulating oxidative stress, accumulation and thiol-ascorbate metabolism in <i>Brassica juncea</i> L.. Environmental Science and Pollution Research, 2020, 27, 11697-11713.	5.3	17
5352	Improve wheat (<i>Triticum aestivum</i>) performance by brassinolide application under different irrigation regimes. South African Journal of Botany, 2020, 130, 259-267.	2.5	19
5353	Ecotype-Specific Pathways of Reactive Oxygen Species Deactivation in Facultative Metallophyte <i>Silene vulgaris</i> (Moench) Garcke Treated with Heavy Metals. Antioxidants, 2020, 9, 102.	5.1	14
5354	24-Epibrassinolide alleviates the toxic effects of NaCl on photosynthetic processes in potato plants. Photosynthesis Research, 2020, 146, 151-163.	2.9	42
5355	Statistical biophysical parameter retrieval and emulation with Gaussian processes. Data Handling in Science and Technology, 2020, 32, 333-368.	3.1	0
5356	Bioremediation of arsenic by soil methylating fungi: Role of <i>Humicola</i> sp. strain 2WS1 in amelioration of arsenic phytotoxicity in <i>Bacopa monnieri</i> L. Science of the Total Environment, 2020, 716, 136758.	8.0	34
5357	Aroeira fruit (<i>Schinus terebinthifolius</i> Raddi) as a natural antioxidant: Chemical constituents, bioactive compounds and in vitro and in vivo antioxidant capacity. Food Chemistry, 2020, 315, 126274.	8.2	39
5358	Effect of biochar on yield and quality of tomato grown on a metal-contaminated soil. Scientia Horticulturae, 2020, 265, 109210.	3.6	55
5359	<i>Serratia marcescens</i> BM1 Enhances Cadmium Stress Tolerance and Phytoremediation Potential of Soybean Through Modulation of Osmolytes, Leaf Gas Exchange, Antioxidant Machinery, and Stress-Responsive Genes Expression. Antioxidants, 2020, 9, 43.	5.1	97
5360	Effects of leaf age on chlorophyll fluorescence and antioxidant enzymes activity in winter rapeseed leaves under cold acclimation conditions. Revista Brasileira De Botanica, 2020, 43, 11-20.	1.3	18
5361	Amelioration of drought stress in Foxtail millet (<i>Setaria italica</i> L.) by P-solubilizing drought-tolerant microbes with multifarious plant growth promoting attributes. Environmental Sustainability, 2020, 3, 23-34.	2.8	123
5362	Subtly Manipulated Expression of ZmmiR156 in Tobacco Improves Drought and Salt Tolerance Without Changing the Architecture of Transgenic Plants. Frontiers in Plant Science, 2019, 10, 1664.	3.6	33
5363	Comparative Transcriptome Analyses of Gene Response to Different Light Conditions of <i>Camellia oleifera</i> Leaf Using Illumina and Single-Molecule Real-Time-Based RNA-Sequencing. Forests, 2020, 11, 91.	2.1	5
5364	Distribution, trade-offs and drought vulnerability of a high-mountain Pyrenean endemic plant species, <i>Saxifraga longifolia</i> . Global Ecology and Conservation, 2020, 22, e00916.	2.1	5
5365	Ecotoxicological study of six drugs in <i>Aliivibrio fischeri</i> , <i>Daphnia magna</i> and <i>Raphidocelis subcapitata</i> . Environmental Science and Pollution Research, 2020, 27, 9891-9900.	5.3	17
5366	Mozafati date as a potential treasure of calcium and antioxidant compounds: assessment of these phytochemicals during development. Journal of Food Measurement and Characterization, 2020, 14, 1273-1285.	3.2	1

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5367	Long-term effects of water quality on the freshwater bivalve <i>Diplodon chilensis</i> (Unionida: Hyriidae) caged at different sites in a North Patagonian river (Argentina). <i>Ecohydrology</i> , 2020, 13, e2181.	2.4	2
5368	Protective effects of spirulina against hemato-biochemical alterations, nephrotoxicity, and DNA damage upon lead exposition. <i>Human and Experimental Toxicology</i> , 2020, 39, 855-869.	2.2	15
5369	The inhibitor-evoked shortage of tocopherol and plastoquinol is compensated by other antioxidant mechanisms in <i>Chlamydomonas reinhardtii</i> exposed to toxic concentrations of cadmium and chromium ions. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110241.	6.0	19
5370	Foliar versus root exposure of AgNPs to lettuce: Phytotoxicity, antioxidant responses and internal translocation. <i>Environmental Pollution</i> , 2020, 261, 114117.	7.5	49
5371	Photochemical efficiency of photosystem II in two apple cultivars affected by elevated temperature and excess light in vivo. <i>South African Journal of Botany</i> , 2020, 130, 316-326.	2.5	12
5372	Goethite-modified biochar ameliorates the growth of rice (<i>Oryza sativa</i> L.) plants by suppressing Cd and As-induced oxidative stress in Cd and As co-contaminated paddy soil. <i>Science of the Total Environment</i> , 2020, 717, 137086.	8.0	106
5373	The structure of Photosystem I acclimated to far-red light illuminates an ecologically important acclimation process in photosynthesis. <i>Science Advances</i> , 2020, 6, eaay6415.	10.3	50
5374	Transcriptome analysis to identify candidate genes associated with the yellow-leaf phenotype of a <i>Cymbidium</i> mutant generated by ^{60}Co -irradiation. <i>PLoS ONE</i> , 2020, 15, e0228078.	2.5	8
5375	Supplementary Calcium Restores Peanut (<i>Arachis hypogaea</i>) Growth and Photosynthetic Capacity Under Low Nocturnal Temperature. <i>Frontiers in Plant Science</i> , 2019, 10, 1637.	3.6	42
5376	Characterization of <i>Chlamydomonas</i> Very High Light-tolerant Mutants for Enhanced Lipid Production. <i>Journal of Oleo Science</i> , 2020, 69, 359-368.	1.4	3
5377	Mineral nutrients, photosynthetic pigments and storage carbohydrates in turions of 21 aquatic plant species. <i>Aquatic Botany</i> , 2020, 165, 103238.	1.6	3
5378	Beneficial Effects of Biochar and Chitosan on Antioxidative Capacity, Osmolytes Accumulation, and Anatomical Characters of Water-Stressed Barley Plants. <i>Agronomy</i> , 2020, 10, 630.	3.0	104
5379	Role of cyclic electron transport mutations <i>pgrl1</i> and <i>pgr5</i> in acclimation process to high light in <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 2020, 146, 247-258.	2.9	17
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5381	Growth, yield, physiological and biochemical traits of different accessions of bird of paradise (<i>Strelitzia reginae</i> L.). <i>Industrial Crops and Products</i> , 2020, 151, 112477.	5.2	2
5382	Ozone-induced changes in physiological and biochemical traits in <i>Elaeocarpus sylvestris</i> and <i>Michelia chapensis</i> in South China. <i>Atmospheric Pollution Research</i> , 2020, 11, 973-980.	3.8	4
5383	Photosynthetic performance of five cool-season turfgrasses under UV-B exposure. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 181-187.	5.8	5
5384	Sugar Starvation Enhances Leaf Senescence and Genes Involved in Sugar Signaling Pathways Regulate Early Leaf Senescence in Mutant Rice. <i>Rice Science</i> , 2020, 27, 201-214.	3.9	21

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5385	Correction of PRI for carotenoid pigment pools improves photosynthesis estimation across different irradiance and temperature conditions. <i>Remote Sensing of Environment</i> , 2020, 244, 111834.	11.0	15
5386	Male and Female Plants of <i>Salix viminalis</i> Perform Similarly to Flooding in Morphology, Anatomy, and Physiology. <i>Forests</i> , 2020, 11, 321.	2.1	10
5387	Physicochemical Characterization, Antioxidant Activity, and Phenolic Compounds of Hawthorn (<i>Crataegus</i> spp.) Fruits Species for Potential Use in Food Applications. <i>Foods</i> , 2020, 9, 436.	4.3	60
5388	Overexpression of a proton pumping gene OVP1 enhances salt stress tolerance, root growth and biomass yield by regulating ion balance in rice (<i>Oryza sativa</i> L.). <i>Environmental and Experimental Botany</i> , 2020, 175, 104033.	4.2	8
5389	Role of Ascorbic acid, Glutathione and Proline Applied as Singly or in Sequence Combination in Improving Chickpea Plant through Physiological Change and Antioxidant Defense under Different Levels of Irrigation Intervals. <i>Molecules</i> , 2020, 25, 1702.	3.8	106
5390	Senescence-related translocation of nonstructural carbohydrate in rice leaf sheaths under different nitrogen supply. <i>Agronomy Journal</i> , 2020, 112, 1601-1616.	1.8	15
5391	Impact of pulsed electric field treatments on the growth parameters of wheat seeds and nutritional properties of their wheat plantlets juice. <i>Food Science and Nutrition</i> , 2020, 8, 2490-2500.	3.4	34
5392	Influence of Fe^{2+} and Fe^{3+} -Fe ₂ O ₃ Nanoparticles on Watermelon (<i>Citrullus lanatus</i>) Physiology and Fruit Quality. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	11
5393	Phytoremediation potential of <i>Azolla filiculoides</i> for sodium dodecyl benzene sulfonate (SDBS) surfactant considering some physiological responses, effects of operational parameters and biodegradation of surfactant. <i>Environmental Science and Pollution Research</i> , 2020, 27, 20358-20369.	5.3	14
5394	Synergistic action of indole acetic acid with homobrassinolide in easing the NaCl-induced toxicity in <i>Solanum melongena</i> L. seedlings. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	2.1	10
5395	Aerial hyperspectral imagery and deep neural networks for high-throughput yield phenotyping in wheat. <i>Computers and Electronics in Agriculture</i> , 2020, 172, 105299.	7.7	54
5396	Insights into nitric oxide-mediated water balance, antioxidant defence and mineral homeostasis in rice (<i>Oryza sativa</i> L.) under chilling stress. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 100-101, 7-16.	2.7	60
5397	Oxidations in white grape (<i>Vitis vinifera</i> L.) skins: Comparison between ripening process and photooxidative sunburn symptoms. <i>Plant Physiology and Biochemistry</i> , 2020, 150, 270-278.	5.8	25
5398	Comparative quantification of chlorophyll and polyphenol levels in grapevine leaves sampled from different geographical locations. <i>Scientific Reports</i> , 2020, 10, 6246.	3.3	21
5399	Maize GOLDEN2-LIKE genes enhance biomass and grain yields in rice by improving photosynthesis and reducing photoinhibition. <i>Communications Biology</i> , 2020, 3, 151.	4.4	69
5400	Impact of chitosan on nickel bioavailability in soil, the accumulation and tolerance of nickel in <i>Calendula tripterocarpa</i> . <i>International Journal of Phytoremediation</i> , 2020, 22, 1175-1184.	3.1	18
5401	A Theophylline-Responsive Riboswitch Regulates Expression of Nuclear-Encoded Genes. <i>Plant Physiology</i> , 2020, 182, 123-135.	4.8	18
5402	Plausible association between drought stress tolerance of barley (<i>Hordeum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 genes. <i>Physiologia Plantarum</i> , 2020, 170, 46-59.	5.2	15

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5403	Grain Yields and Nitrogen Use Efficiencies in Different Types of Stay-Green Maize in Response to Nitrogen Fertilizer. <i>Plants</i> , 2020, 9, 474.	3.5	20
5404	Interplay of Calcium and Nitric Oxide in improvement of Growth and Arsenic-induced Toxicity in Mustard Seedlings. <i>Scientific Reports</i> , 2020, 10, 6900.	3.3	26
5405	Chemical Defoliant Promotes Leaf Abscission by Altering ROS Metabolism and Photosynthetic Efficiency in <i>Gossypium hirsutum</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 2738.	4.1	26
5406	Comparing Salt Tolerance at Seedling and Germination Stages in Local Populations of <i>Medicago ciliaris</i> L. to <i>Medicago intertexta</i> L. and <i>Medicago scutellata</i> L.. <i>Plants</i> , 2020, 9, 526.	3.5	45
5407	Dark/Light Treatments Followed by γ -Irradiation Increase the Frequency of Leaf-Color Mutants in <i>Cymbidium</i> . <i>Plants</i> , 2020, 9, 532.	3.5	6
5408	Absciscic Acid and Glycine Betaine Mediated Tolerance Mechanisms under Drought Stress and Recovery in <i>Axonopus compressus</i> : A New Insight. <i>Scientific Reports</i> , 2020, 10, 6942.	3.3	58
5409	Mechanisms of cadmium-stress avoidance by selenium in tomato plants. <i>Ecotoxicology</i> , 2020, 29, 594-606.	2.4	27
5410	A Machine Learning Framework for Estimating Leaf Biochemical Parameters From Its Spectral Reflectance and Transmission Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 7393-7405.	6.3	13
5411	Additional calcium and sulfur manages hexavalent chromium toxicity in <i>Solanum lycopersicum</i> L. and <i>Solanum melongena</i> L. seedlings by involving nitric oxide. <i>Journal of Hazardous Materials</i> , 2020, 398, 122607.	12.4	38
5412	Intraspecific variations in cadmium tolerance and phytoaccumulation in giant duckweed (<i>Spirodela</i>) TJ ETQq1 1 0.784314 rgBT /Overloc	12.4	24
5413	The ACC-Deaminase Producing Bacterium <i>Variovorax</i> sp. CT7.15 as a Tool for Improving <i>Calicotome villosa</i> Nodulation and Growth in Arid Regions of Tunisia. <i>Microorganisms</i> , 2020, 8, 541.	3.6	16
5414	Treatment of Anaerobic Digester Effluent Using <i>Typha angustifolia</i> L.: Growth Responses and Treatment Efficiency. <i>Journal of Water and Environment Technology</i> , 2020, 18, 105-116.	0.7	4
5415	<i>Plantago lanceolata</i> L. from Serpentine Soils in Central Bosnia Tolerates High Levels of Heavy Metals in Soil. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	11
5416	Heterologous expression of an <i>Agropyron cristatum</i> SnRK2 protein kinase gene (AcSnRK2.11) increases freezing tolerance in transgenic yeast and tobacco. <i>3 Biotech</i> , 2020, 10, 209.	2.2	6
5417	Photosynthetic characterization of flavodoxin-expressing tobacco plants reveals a high light acclimation-like phenotype. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148211.	1.0	13
5418	Stress tolerant traits and root proliferation of <i>Aspalathus linearis</i> (Burm.f.) R. Dahlgren grown under differing moisture regimes and exposed to drought. <i>South African Journal of Botany</i> , 2020, 131, 342-350.	2.5	2
5419	Coniferous wood biochar as substrate component of two containerized Lavender species: Effects on morpho-physiological traits and nutrients partitioning. <i>Scientia Horticulturae</i> , 2020, 267, 109356.	3.6	22
5420	Low temperature and high light dependent dynamic photoprotective strategies in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2020, 170, 93-108.	5.2	20

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5421	Foliar Application of Calcium and Growth Regulators Modulate Sweet Cherry (<i>Prunus avium</i> L.) Tree Performance. <i>Plants</i> , 2020, 9, 410.	3.5	30
5422	Identification and mapping of quantitative trait loci (QTL) and epistatic QTL for salinity tolerance at seedling stage in traditional aromatic short grain rice landrace Kolajoha (<i>Oryza sativa</i> L.) of Assam, India. <i>Euphytica</i> , 2020, 216, 1.	1.2	14
5423	Enhanced uptake of Cd, Cr, and Cu in <i>Catharanthus roseus</i> (L.) G.Don by <i>Bacillus cereus</i> : application of moss and compost to reduce metal availability. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39807-39818.	5.3	21
5424	Proteomic changes may lead to yield alteration in maize under carbon dioxide enriched condition. 3 <i>Biotech</i> , 2020, 10, 203.	2.2	2
5425	Redox status and oxalate exudation determines the differential tolerance of two contrasting varieties of "Assam tea" [Camelia sinensis (L.) O. Kuntz] in response to aluminum toxicity. <i>Horticulture Environment and Biotechnology</i> , 2020, 61, 485-499.	2.1	11
5426	Salicylic Acid and Calcium Signaling Induce Physiological and Phytochemical Changes to Improve Salinity Tolerance in Red Amaranth (<i>Amaranthus tricolor</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1759-1769.	3.4	24
5427	Interactions of microplastics and cadmium on plant growth and arbuscular mycorrhizal fungal communities in an agricultural soil. <i>Chemosphere</i> , 2020, 254, 126791.	8.2	341
5428	Effect of various biological control agents (BCAs) on drought resistance and spring barley productivity. <i>BIO Web of Conferences</i> , 2020, 17, 00063.	0.2	2
5429	Jasmonates mediate plant defense responses to <i>Spodoptera exigua</i> herbivory in tomato and maize foliage. <i>Plant Signaling and Behavior</i> , 2020, 15, 1746898.	2.4	14
5430	Morpho-physiological integrators, transcriptome and coexpression network analyses signify the novel molecular signatures associated with axillary bud in chrysanthemum. <i>BMC Plant Biology</i> , 2020, 20, 145.	3.6	11
5431	Alleviation of Salt Stress in Upland Rice (<i>Oryza sativa</i> L. ssp. indica cv. Leum Pua) Using Arbuscular Mycorrhizal Fungi Inoculation. <i>Frontiers in Plant Science</i> , 2020, 11, 348.	3.6	47
5432	Yield, Growth, Quality, Biochemical Characteristics and Elemental Composition of Plant Parts of Celery Leafy, Stalk and Root Types Grown in the Northern Hemisphere. <i>Plants</i> , 2020, 9, 484.	3.5	21
5433	Water Stress-Induced Responses in the Growth, Cuticular Wax Composition, Chloroplast Pigments and Soluble Protein Content, and Redox Metabolism of Two Genotypes of <i>Ricinus communis</i> L.. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 342-352.	5.1	15
5434	Morphological, physiological and biochemical traits of <i>Cordia trichotoma</i> under phosphorous application and a water-retaining polymer. <i>Journal of Forestry Research</i> , 2021, 32, 855-865.	3.6	9
5435	Deep chemometrics for nondestructive photosynthetic pigments prediction using leaf reflectance spectra. <i>Information Processing in Agriculture</i> , 2021, 8, 194-204.	4.1	6
5436	Ferulic acid extracted from rice bran as a growth promoter for the microalga <i>Nannochloropsis oculata</i> . <i>Journal of Applied Phycology</i> , 2021, 33, 37-45.	2.8	5
5437	Citrus Leafminer Management: Jasmonic Acid versus Efficient Pesticides. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 824-830.	5.1	5
5438	Nutritional characterization and chemical composition of <i>Diplazium maximum</i> (D. Don) C. Chr.. <i>Journal of Food Science and Technology</i> , 2021, 58, 844-854.	2.8	8

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5439	Nickel and copper accumulation strategies in <i>Odontarrhena obovata</i> growing on copper smelter-influenced and non-influenced serpentine soils: a comparative field study. <i>Environmental Geochemistry and Health</i> , 2021, 43, 1401-1413.	3.4	10
5440	Assessment of air pollution tolerance index (APTI) for some ornamental woody species in green space of humid temperate region (Rasht, Iran). <i>Environment, Development and Sustainability</i> , 2021, 23, 1579-1600.	5.0	22
5441	The effect of salt shock on photosystem II and antioxidant activity in two maize genotypes. <i>Cereal Research Communications</i> , 2021, 49, 255-266.	1.6	0
5442	Combined toxicity of therapeutic pharmaceuticals to duckweed, <i>Lemna minor</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111428.	6.0	19
5443	Exogenous glutathione revealed protection to bacterial spot disease: Modulation of photosystem II and H ₂ O ₂ scavenging antioxidant enzyme system in <i>Capsicum annum</i> L. <i>Journal of King Saud University - Science</i> , 2021, 33, 101223.	3.5	9
5444	Comparative Cultivation and Biochemical Analysis of Iceberg Lettuce Grown in Sand Soil and Hydroponics With or Without Microbubbles and Macrobubbles. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 389-403.	3.4	46
5445	Seasonal variation in the leaf physiology of co-occurring invasive (<i>Hakea sericea</i>) and native (<i>Pinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 118662.	3.2	8
5446	Chemical Characterization, Antioxidant Activity and Cytotoxicity of the Unconventional Food Plants: Sweet Potato (<i>Ipomoea batatas</i> (L.) Lam.) Leaf, Major Gomes (<i>Talinum paniculatum</i> (Jacq.) Gaertn.) and Caruru (<i>Amaranthus deflexus</i> L.). <i>Waste and Biomass Valorization</i> , 2021, 12, 2407-2431.	3.4	16
5447	Compost and mycorrhizae application as a technique to alleviate Cd and Zn stress in <i>Medicago sativa</i> . <i>International Journal of Phytoremediation</i> , 2021, 23, 190-201.	3.1	16
5448	Putrescine ameliorates detrimental effects of 2,4-D herbicide on growth and antioxidant enzymes activity of tomato. <i>International Journal of Vegetable Science</i> , 2021, 27, 327-343.	1.3	1
5449	Experimental warming alleviates the adverse effects from tropospheric ozone on two urban tree species. <i>Environmental Pollution</i> , 2021, 268, 115289.	7.5	6
5450	A chemical valorisation of melon peels towards functional food ingredients: Bioactives profile and antioxidant properties. <i>Food Chemistry</i> , 2021, 335, 127579.	8.2	43
5451	Functional characterization of the <i>Arabidopsis</i> SERRATE under salt stress. <i>Plant Diversity</i> , 2021, 43, 71-77.	3.7	6
5452	Volatile organic compounds emitted by <i>Trichoderma azevedoi</i> promote the growth of lettuce plants and delay the symptoms of white mold. <i>Biological Control</i> , 2021, 152, 104447.	3.0	27
5453	Exogenous spermidine alleviates the adverse effects of aluminum toxicity on photosystem II through improved antioxidant system and endogenous polyamine contents. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111265.	6.0	48
5454	Combined pigment and metatranscriptomic analysis reveals highly synchronized diel patterns of phenotypic light response across domains in the open oligotrophic ocean. <i>ISME Journal</i> , 2021, 15, 520-533.	9.8	28
5455	Lead (Pb)-resistant bacteria inhibit Pb accumulation in dill (<i>Anethum graveolens</i> L.) by improving biochemical, physiological, and antioxidant enzyme response of plants. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5704-5713.	5.3	15
5456	Transition from juvenility to maturity strengthens photosynthesis in sclerophyllous and deciduous but not in semi-deciduous Mediterranean shrubs. <i>Environmental and Experimental Botany</i> , 2021, 181, 104265.	4.2	4

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5457	Chemical priming agents controlling drought stress in <i>Physalis angulata</i> plants. <i>Scientia Horticulturae</i> , 2021, 275, 109670.	3.6	3
5458	Soil sodicity is more detrimental than salinity for quinoa (<i>Chenopodium quinoa</i> Willd.): A multivariate comparison of physiological, biochemical and nutritional quality attributes. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 59-73.	3.5	41
5459	Influence of zinc and manganese enrichments on growth, biosorption and photosynthetic efficiency of <i>Chlorella</i> sp.. <i>Environmental Science and Pollution Research</i> , 2021, 28, 8539-8555.	5.3	5
5460	Effect of Different Foliar Silicon Sources on Cotton Plants. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 95-103.	3.4	22
5461	Physiological, biochemical and transcriptional responses of <i>Passiflora edulis</i> Sims f. <i>edulis</i> under progressive drought stress. <i>Scientia Horticulturae</i> , 2021, 275, 109655.	3.6	10
5462	Water status, biochemical and hormonal changes involved in the response of <i>Olea europaea</i> L. to water deficit induced by partial root-zone drying irrigation (PRD). <i>Scientia Horticulturae</i> , 2021, 276, 109737.	3.6	10
5463	Ecotoxicity and biodegradability of pure and aqueous mixtures of deep eutectic solvents: glyceline, ethaline, and reline. <i>Environmental Science and Pollution Research</i> , 2021, 28, 8812-8821.	5.3	51
5464	The Physiological and Biochemical Effects on Napier Grass Plants Following Napier Grass Stunt Phytoplasma Infection. <i>Phytopathology</i> , 2021, 111, 703-712.	2.2	4
5465	Role of Metallothionein and Phytochelatin in Combating Abiotic Stress Imparted by Copper-Induced Toxicity in Brinjal (<i>Solanum melongena</i>). <i>Lecture Notes in Bioengineering</i> , 2021, , 349-358.	0.4	1
5466	Raised pH conferred the ability to maintain a balance between production and detoxification of reactive oxygen species and methylglyoxal in aluminum-toxic <i>Citrus sinensis</i> leaves and roots. <i>Environmental Pollution</i> , 2021, 268, 115676.	7.5	16
5467	Physicochemical and physiological changes during the ripening of Banana (<i>Musaceae</i>) fruit grown in Colombia. <i>International Journal of Food Science and Technology</i> , 2021, 56, 1171-1183.	2.7	9
5468	Effects of 24-epibrassinolide on plant growth, antioxidants defense system, and endogenous hormones in two wheat varieties under drought stress. <i>Physiologia Plantarum</i> , 2021, 172, 696-706.	5.2	89
5469	Growing <i>Spirulina</i> (<i>Arthrospira platensis</i>) in seawater supplemented with digestate: Trade-offs between increased salinity, nutrient and light availability. <i>Biochemical Engineering Journal</i> , 2021, 165, 107815.	3.6	21
5470	Harnessing <i>Pisum sativum</i> - <i>Glomus mosseae</i> symbiosis for phytoremediation of soil contaminated with lead, cadmium, and arsenic. <i>International Journal of Phytoremediation</i> , 2021, 23, 279-290.	3.1	19
5471	Effects of edible coatings of <i>Chlorella</i> sp. containing pomegranate seed oil on quality of <i>Spondias tuberosa</i> fruit during cold storage. <i>Food Chemistry</i> , 2021, 338, 127916.	8.2	6
5472	Harvesting at the end of the day extends postharvest life of kale (<i>Brassica oleracea</i> var. <i>sabellica</i>). <i>Scientia Horticulturae</i> , 2021, 276, 109757.	3.6	9
5473	Effect of LED light sources on the growth and chemical composition of brown seaweed <i>Treptacantha barbata</i> . <i>Aquaculture International</i> , 2021, 29, 193-205.	2.2	13
5474	High-temperature resilience in <i>Bacillus safensis</i> primed wheat plants: A study of dynamic response associated with modulation of antioxidant machinery, differential expression of HSPs and osmolyte biosynthesis. <i>Environmental and Experimental Botany</i> , 2021, 182, 104315.	4.2	12

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5475	Does the water regime differentially modulate the responses to water stress in <i>Lippia alba</i> (Verbenaceae) genotypes with different ploidy levels?. <i>Industrial Crops and Products</i> , 2021, 160, 113137.	5.2	6
5476	Salicylic acid and H ₂ O ₂ seed priming alleviates Fe deficiency through the modulation of growth, root acidification capacity and photosynthetic performance in <i>Sulla carnos</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 159, 392-399.	5.8	10
5477	Controlling radiation degradation of a CMC solution to optimize the swelling of acrylic acid hydrogel as water and fertilizer carriers. <i>Polymers for Advanced Technologies</i> , 2021, 32, 514-524.	3.2	38
5478	Different carbon sources and their concentrations change alkaloid production and gene expression in <i>Catharanthus roseus</i> shoots in vitro. <i>Functional Plant Biology</i> , 2021, 48, 40.	2.1	7
5479	Biochar-mediated transformation of titanium dioxide nanoparticles concerning TiO ₂ NPs-biochar interactions, plant traits and tissue accumulation to cell translocation. <i>Environmental Pollution</i> , 2021, 270, 116077.	7.5	16
5480	The copper economy response is partially conserved in rice (<i>Oryza sativa</i> L.). <i>Plant Physiology and Biochemistry</i> , 2021, 158, 113-124.	5.8	9
5481	Reconstruction of the absorption spectrum of <i>Synechocystis</i> sp. PCC 6803 optical mutants from the in vivo signature of individual pigments. <i>Photosynthesis Research</i> , 2021, 147, 75-90.	2.9	10
5482	AtWRKY75 positively regulates age-triggered leaf senescence through gibberellin pathway. <i>Plant Diversity</i> , 2021, 43, 331-340.	3.7	21
5483	Assessment of water quality in Aguieira reservoir: Ecotoxicological tools in addition to the Water Framework Directive. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111583.	6.0	21
5484	Leaf photosynthetic and anatomical insights into mechanisms of acclimation in rice in response to long-term fluctuating light. <i>Plant, Cell and Environment</i> , 2021, 44, 747-761.	5.7	14
5485	Ecophysiological study of some coastal dune species of Zemmouri El Bahri (Algeria). <i>Acta Botanica Croatica</i> , 2021, 80, 99-105.	0.7	0
5486	Lead and aluminium-induced oxidative stress and alteration in the activities of antioxidant enzymes in chicory plants. <i>Scientia Horticulturae</i> , 2021, 278, 109847.	3.6	16
5487	UHPLC-Q-TOF/MS-based metabolomics reveals altered metabolic profiles in magnesium deficient leaves of <i>Citrus sinensis</i> . <i>Scientia Horticulturae</i> , 2021, 278, 109870.	3.6	11
5488	Perennial ryegrass phytotoxicity increases with mesotrione rate and growth-promoting environmental conditions. <i>Crop Science</i> , 2021, 61, 3155.	1.8	2
5489	Impact of O ₃ on the phytoremediation effect of <i>Celosia argentea</i> in decontaminating Cd. <i>Chemosphere</i> , 2021, 266, 128940.	8.2	3
5490	Sustained photobiological hydrogen production by <i>Chlorella vulgaris</i> without nutrient starvation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3684-3694.	7.1	26
5491	Negative impact of long-term exposure of salinity and drought stress on native <i>Tetraena mandavillei</i> L.. <i>Physiologia Plantarum</i> , 2021, 172, 1336-1351.	5.2	78
5492	Growth and biochemical responses of sorghum genotypes to nitrogen fertilizer under salinity stress conditions. <i>Journal of Plant Nutrition</i> , 2021, 44, 569-579.	1.9	3

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5493	Metabolic profile of olive leaves of different cultivars and collection times. Food Chemistry, 2021, 345, 128758.	8.2	29
5494	A comparative assessment of growth, pigment and enhanced lipid production by two toxic freshwater cyanobacteria <i>Anabaena circinalis</i> FSS 124 and <i>Cylindrospermopsis raciborskii</i> FSS 127 under various combinations of nitrogen and phosphorous inputs. Environmental Science and Pollution Research, 2021, 28, 15923-15933.	5.3	5
5495	Split-root investigation of the physiological response to heterogeneous elevated Zn exposure in poplar and willow. Environmental and Experimental Botany, 2021, 183, 104347.	4.2	9
5496	Identification and fine mapping of a candidate gene for oil yellow leaf 2 conferring yellow leaf phenotype in maize. Plant Breeding, 2021, 140, 100-109.	1.9	4
5497	Amelioration of salt stress tolerance in rapeseed (<i>Brassica napus</i>) cultivars by seed inoculation with <i>Arthrobacter globiformis</i> . Plant Biosystems, 2021, , 1-14.	1.6	14
5498	Uvaia (<i>Eugenia pyriformis</i> Cambess) residue as a source of antioxidants: An approach to ecofriendly extraction. LWT - Food Science and Technology, 2021, 138, 110785.	5.2	10
5499	Colorimetric detection of mercury ion using chlorophyll functionalized green silver nanoparticles in aqueous medium. Surfaces and Interfaces, 2021, 22, 100840.	3.0	28
5500	Toxicological effects of single and joint sulfamethazine and cadmium stress in soil on pakchoi (<i>Brassica chinensis</i> L.). Chemosphere, 2021, 263, 128296.	8.2	22
5501	The ankyrin repeat-containing protein MdANK2B regulates salt tolerance and ABA sensitivity in <i>Malus domestica</i> . Plant Cell Reports, 2021, 40, 405-419.	5.6	8
5502	Inflection point position as a potential diagnostic tool for the estimation of sulfur concentration in <i>Eucalyptus</i> seedlings. Journal of Plant Nutrition, 2021, 44, 742-754.	1.9	0
5503	Influence of synthetic phthalocyanine pigments on light reflectance of creeping bentgrass. Crop Science, 2021, 61, 804-813.	1.8	5
5504	Effect of red light on photosynthetic acclimation and the gene expression of certain light signalling components involved in the microRNA biogenesis in the extremophile <i>Eutrema salsugineum</i> . Journal of Biotechnology, 2021, 325, 35-42.	3.8	9
5505	Interactive effect of compost application and inoculation with the fungus <i>Claroideoglomus claroideum</i> in <i>Oenothera picensis</i> plants growing in mine tailings. Ecotoxicology and Environmental Safety, 2021, 208, 111495.	6.0	25
5506	Pb tolerance and accumulation capabilities of <i>Bidens pilosa</i> L. growing in polluted soils depend on the history of exposure. Chemosphere, 2021, 269, 128732.	8.2	11
5507	Mitigation of arsenate toxicity by indole-3-acetic acid in brinjal roots: Plausible association with endogenous hydrogen peroxide. Journal of Hazardous Materials, 2021, 405, 124336.	12.4	31
5508	Sediment resuspension drives protist metacommunity structure and assembly in grass carp (<i>Ctenopharyngodon idella</i>) aquaculture ponds. Science of the Total Environment, 2021, 764, 142840.	8.0	19
5509	Iodine biofortification of sweet basil and lettuce grown in two hydroponic systems. Scientia Horticulturae, 2021, 276, 109783.	3.6	37
5510	Kaolin foliar spray improves olive tree performance and yield under sustained deficit irrigation. Scientia Horticulturae, 2021, 277, 109795.	3.6	6

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5511	Predicting grain yield and protein content using canopy reflectance in maize grown under different water and nitrogen levels. <i>Field Crops Research</i> , 2021, 260, 107988.	5.1	21
5512	Response of maize plant to sodium hydrosulfide pretreatment under lead stress conditions at early stages of growth. <i>Cereal Research Communications</i> , 2021, 49, 267-276.	1.6	12
5513	Comparing chromium phyto-assessment in <i>Brachiaria mutica</i> and <i>Leptochloa fusca</i> growing on chromium polluted soil. <i>Chemosphere</i> , 2021, 269, 128728.	8.2	20
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5646	Estimation of the application biopreparation of complex action "Agrophil" and the polyhumates of sapropel on the intensification of the physiological processes of <i>alliumcepa</i> growth in a magnetic hydroculture. <i>The Agrarian Scientific Journal</i> , 2021, , 38-44.	0.1	0
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5652	Photoprotective Strategies in Mediterranean High-Mountain Grasslands. <i>Diversity</i> , 2021, 13, 137.	1.7	0
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5660	Physiological and histopathological assessments of the susceptibility of different tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	9
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5680	Facing metal stress by multiple strategies: morphophysiological responses of cardoon (<i>Cynara</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50 37616-37626.	5.3	8
5681	Establishment of CRISPR/Cas9 mediated targeted mutagenesis in hop (<i>Humulus lupulus</i>). <i>Plant Physiology and Biochemistry</i> , 2021, 160, 1-7.	5.8	14
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5683	Variability and Expression Pattern of Phytoene Synthase (PSY) Paralogs in Pepper Species. <i>Russian Journal of Genetics</i> , 2021, 57, 282-296.	0.6	0
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5695	Cultivation and biomass production of the diatom <i>Thalassiosira weissflogii</i> as a live feed for white-leg shrimp in hatcheries and commercial farms in Vietnam. <i>Journal of Applied Phycology</i> , 2021, 33, 1559-1577.	2.8	15
5696	Physiological changes of three woody plants exposed to progressive salt stress. <i>Photosynthetica</i> , 2021, 59, 171-184.	1.7	9
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5706	Effects of <i>Thiobacillus</i> and Different Levels of Sulfur Fertilizer on Growth and Physiological Indices in Intercropping of Sesame (<i>Sesamum Indicum</i> ÂL.) and Mung Bean (<i>Vigna Radiata</i> ÂL.). <i>Gesunde Pflanzen</i> , 2021, 73, 317-333.	3.0	10
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5725	Water use efficiency, growth and anatomic-physiological parameters of Mediterranean xerophytes as affected by substrate and irrigation on a green roof. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12283.	1.1	11
5726	Mitochondrial citrate synthase plays important roles in anthocyanin synthesis in petunia. <i>Plant Science</i> , 2021, 305, 110835.	3.6	18
5727	Beneficial effect of mycorrhiza on nutritional uptake and oxidative balance in pistachio (<i>Pistacia</i> spp.) rootstocks submitted to drought and salinity stress. <i>Scientia Horticulturae</i> , 2021, 281, 109937.	3.6	23
5728	A central circadian oscillator confers defense heterosis in hybrids without growth vigor costs. <i>Nature Communications</i> , 2021, 12, 2317.	12.8	18
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5733	Influence of TiO2 foliar spray application on photosynthesis and chlorophyll fluorescence of strawberry during low light intensity season in a greenhouse. <i>Acta Horticulturae</i> , 2021, , 247-252.	0.2	2
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5735	Effect of biofertilizers and animal manure on morphophysiological characteristics and amount of coriander (<i>Coriandrum sativum</i> L.) essential oil under drought stress conditions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 735, 012047.	0.3	1
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5751	Silicon attenuates abiotic stress caused by ammonium toxicity but not nitrogen deficiency in cotton plants. Journal of Agronomy and Crop Science, 2021, 207, 774-781.	3.5	4
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5761	Exploring Local Maize Diversity for Increased Agricultural Sustainability: New Insights into Drought Stress Response and Recovery of Guinea-Bissau Landraces. Sustainability, 2021, 13, 5441.	3.2	3
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5763	Enhancing Salt Stress Tolerance of Different Pepper (<i>Capsicum annum</i> ÂL.) Inbred Line Genotypes by Rootstock with Vigorous Root System. Gesunde Pflanzen, 2021, 73, 375-389.	3.0	7
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5765	Enhancement of euryhaline <i>Asterarcys quadricellulare</i> biomass production for improving biogas generation through anaerobic co-digestion with carbon rich substrate. 3 Biotech, 2021, 11, 251.	2.2	2
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5771	Molecular weight and concentration of chitosan affect plant development and phenolic substance pattern in arugula. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12296.	1.1	5
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5781	Low absorption of silicon via foliar in comparison to root application has an immediate antioxidant effect in mitigating water deficit damage in sugarcane. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 805-814.	3.5	13
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5784	Magnetic fields exhibit a positive impact on lipid and biomass yield during phototrophic cultivation of <i>Spirulina</i> sp.. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2087-2097.	3.4	10

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5786	Chemical Composition and Allelopathic Effect of Essential Oil of <i>Litsea pungens</i> . <i>Agronomy</i> , 2021, 11, 1115.	3.0	12
5787	Exposure-based ecotoxicity assessment of Co ₃ O ₄ nanoparticles in marine microalgae. <i>Environmental Science and Pollution Research</i> , 2021, 28, 54802-54810.	5.3	4
5788	Nondestructive optical method for plant overall health evaluation. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2021, 71, 1017-1023.	0.6	1
5790	A new attention-based CNN approach for crop mapping using time series Sentinel-2 images. <i>Computers and Electronics in Agriculture</i> , 2021, 184, 106090.	7.7	52
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5794	Quality Evaluation of Indoor-Grown Microgreens Cultivated on Three Different Substrates. <i>Horticulturae</i> , 2021, 7, 96.	2.8	31
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5798	Swine digestate treatment by prior nitrogen-starved <i>Chlorella vulgaris</i> : The effect of over-compensation strategy on microalgal biomass production and nutrient removal. <i>Science of the Total Environment</i> , 2021, 768, 144462.	8.0	15
5799	Physiological and anatomical changes in two rapeseed (<i>Brassica napus</i> L.) genotypes under drought stress conditions. <i>Oil Crop Science</i> , 2021, 6, 97-104.	2.0	21
5800	Mycorrhizal stress alleviation in <i>Senecio bonariensis</i> Hook & Arn growing in urban polluted soils. <i>Journal of Environmental Quality</i> , 2021, 50, 589-597.	2.0	3
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5821	Proteomic response of tea plants stimulated by ammonium supply. Journal of Plant Nutrition, 0, , 1-12.	1.9	0

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5834	Feasibility of Silicon Addition to Boron Foliar Spraying in Cauliflowers. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 2448-2455.	3.4	1
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5848	Oxidative stress limits growth of <i>Chlamydomonas reinhardtii</i> (Chlorophyta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 427 Td (Chlar	1.4	6
5849	AvaliaÃo dos compostos bioativos e capacidade antioxidante em cultivares de feijÃo-caupi (<i>Vigna</i>) Tj ETQq1 1 0.784314 rgBT /O	0.1	1
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5874	Increase in phosphorus concentration reduces the toxicity of copper in wheat roots (<i>Triticum</i>) Tj ETQq1 1 0.784314 1.9 3	1.9	3
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5881	AteÄŸ ÅŸiÅŸeÄŸinde (<i>Salvia splendens</i>) yetiÄŸtirme ortamÄ± olarak fÄ±ndÄ±k zurufunun kullanÄ±mÄ±. <i>Artvin ÅŸoruh Åœeniversitesi Orman FakÄ±ltesi Dergisi</i> , 2021, 22, 202-208.	0.6	4
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5894	Foliar applications of thidiazuron and putrescine increase leaf iron and chlorophyll concentrations in iron-deficient pot marigold (<i>Calendula officinalis</i> L.). <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	2.1	2
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5897	Exogenic Melatonin Reduces the Toxic Effect of Polymetallic Stress on Barley Plants. Doklady Biochemistry and Biophysics, 2021, 499, 228-232.	0.9	6
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5900	Ecotoxicity interspecies study of ionic liquids based on phosphonium and ammonium cations. Environmental Science and Pollution Research, 2021, 28, 65374-65384.	5.3	8
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5903	Comparative study of response of four crop species exposed to carbon nanotube contamination in soil. Chemosphere, 2021, 274, 129854.	8.2	20
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5909	Phytase-Producing <i>Rahnella aquatilis</i> JZ-GX1 Promotes Seed Germination and Growth in Corn (<i>Zea mays</i>) Tj ETQq1 1 0.784314 rgBT /Ov 3.6 17	3.6	17
5910	Response of in vitro-regenerated <i>Myrtus communis</i> L. shoots to PEG-induced water stress. Biocatalysis and Agricultural Biotechnology, 2021, 34, 102033.	3.1	6
5911	Alfalfa (<i>Medicago sativa</i> L.) MsCML46 gene encoding calmodulin-like protein confers tolerance to abiotic stress in tobacco. Plant Cell Reports, 2021, 40, 1907-1922.	5.6	17
5912	<i>Ulva intestinalis</i> Extract Acts as Biostimulant and Modulates Metabolites and Hormone Balance in Basil (<i>Ocimum basilicum</i> L.) and Parsley (<i>Petroselinum crispum</i> L.). Plants, 2021, 10, 1391.	3.5	12
5913	Hydrogen sulfide implications on easing NaCl induced toxicity in eggplant and tomato seedlings. Plant Physiology and Biochemistry, 2021, 164, 173-184.	5.8	15

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5914	Interactive effects of plant growth-promoting rhizobacteria and a seaweed extract on the growth and physiology of <i>Allium cepa</i> L. (onion). <i>Journal of Plant Physiology</i> , 2021, 262, 153437.	3.5	29
5915	Osmolyte Accumulation and Sodium Compartmentation Has a Key Role in Salinity Tolerance of Pistachios Rootstocks. <i>Agriculture (Switzerland)</i> , 2021, 11, 708.	3.1	26
5916	Assessing shade stress in leaves of turf-type tall fescue (<i>Festuca arundinacea</i> Schreb.). <i>Photosynthetica</i> , 0, .	1.7	1
5917	Long-Term Lime and Phosphogypsum Amended-Soils Alleviates the Field Drought Effects on Carbon and Antioxidative Metabolism of Maize by Improving Soil Fertility and Root Growth. <i>Frontiers in Plant Science</i> , 2021, 12, 650296.	3.6	11
5918	Insights on the Adaptation of <i>Foeniculum vulgare</i> Mill to Iron Deficiency. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7072.	2.5	8
5919	Enhancing the Quality of Two Species of Baby Leaves Sprayed with Moringa Leaf Extract as Biostimulant. <i>Agronomy</i> , 2021, 11, 1399.	3.0	20
5920	High resistance of <i>Panicum miliaceum</i> L. to phenanthrene toxicity based on growth response and antioxidant system assessment. <i>Acta Agriculturae Slovenica</i> , 2021, 117, 1.	0.3	4
5921	<i>Pseudomonas palmensis</i> sp. nov., a Novel Bacterium Isolated From <i>Nicotiana glauca</i> Microbiome: Draft Genome Analysis and Biological Potential for Agriculture. <i>Frontiers in Microbiology</i> , 2021, 12, 672751.	3.5	8
5922	Physiological processes and lipidome dynamics in the soft coral <i>Sinularia heterospiculata</i> under experimental bleaching. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 255, 110609.	1.6	6
5923	Allelopathic and Herbicidal Effects of Crude Extract from <i>Chromolaena odorata</i> (L.) R.M.King and H.Rob. on <i>Echinochloa crus-galli</i> and <i>Amaranthus viridis</i> . <i>Plants</i> , 2021, 10, 1609.	3.5	8
5924	Effect of Isosteviol on Wheat Seed Germination and Seedling Growth under Cadmium Stress. <i>Plants</i> , 2021, 10, 1779.	3.5	9
5925	Decoupling between plant growth and functional traits of the free-floating fern <i>Salvinia natans</i> under shifted water nutrient stoichiometric regimes. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021, 281, 151876.	1.2	6
5926	The miR528- <i>AO</i> Module Confers Enhanced Salt Tolerance in Rice by Modulating the Ascorbic Acid and Absciscic Acid Metabolism and ROS Scavenging. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 8634-8648.	5.2	23
5927	Evaluation of Light-Dependent Photosynthetic Reactions in <i>Reynoutria japonica</i> Houtt. Leaves Grown at Different Light Conditions. <i>Frontiers in Plant Science</i> , 2021, 12, 612702.	3.6	2
5928	Effect of high-intensity light and UV-B on photosynthetic activity and the expression of certain light-responsive genes in <i>A. thaliana</i> <i>phyA</i> and <i>phyB</i> mutants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148445.	1.0	20
5929	Spectral signatures in the UV range can be combined with secondary plant metabolites by deep learning to characterize barley's powdery mildew interaction. <i>Plant Pathology</i> , 2021, 70, 1572-1582.	2.4	16
5931	The effect of nickel phytotoxicity on photosystem II activity and antioxidant enzymes in barley. <i>Acta Biologica Szegediensis</i> , 2021, 65, 1-9.	0.3	0
5932	Assessment of Air Pollution Tolerance and Particulate Matter Accumulation of 11 Woody Plant Species. <i>Atmosphere</i> , 2021, 12, 1067.	2.3	20

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5934	Recovering ecosystem functions in a restored salt marsh by leveraging positive effects of biodiversity. <i>Ecosphere</i> , 2021, 12, e03664.	2.2	5
5935	Spectrophotometric determination of chlorophylls in different solvents related to the leaf traits of the main tree species in Northeast China. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 836, 012008.	0.3	4
5936	Effect of organosilicone and mineral silicon fertilizers on chemical forms of cadmium and lead in soil and their accumulation in rice. <i>Environmental Pollution</i> , 2021, 283, 117107.	7.5	31
5937	Could acetone O-(4-chlorophenylsulfonyl)oxime be a copper chelating and antioxidative molecule on maize seedlings?. <i>International Journal of Phytoremediation</i> , 2022, 24, 721-729.	3.1	10
5938	Tetraploidization Increases the Contents of Functional Metabolites in <i>Cnidium officinale</i> . <i>Agronomy</i> , 2021, 11, 1561.	3.0	7
5939	Do soil properties and ecophysiological responses of oak (<i>Quercus brantii</i> Lindl.) correlate with the rate of dieback?. <i>Trees - Structure and Function</i> , 2021, 35, 1639-1650.	1.9	4
5940	Influence of soil salinity on the protein and fatty acid composition of the edible halophyte <i>Halimione portulacoides</i> . <i>Food Chemistry</i> , 2021, 352, 129370.	8.2	15
5941	A novel and safe pharmaceutical effluent disposal protocol by glass-based AgO nanocomposite/oxidant degradation process and Ascorbic acid cooperation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105218.	6.7	3
5942	Light Spectra and Root Stocks Affect Response of Greenhouse Tomatoes to Long Photoperiod of Supplemental Lighting. <i>Plants</i> , 2021, 10, 1674.	3.5	11
5943	Silicon via nutrient solution modulates deficient and sufficient manganese sugar and energy cane antioxidant systems. <i>Scientific Reports</i> , 2021, 11, 16900.	3.3	15
5944	LED Light Pre-Treatment Improves Pre-Basic Seed Potato (<i>Solanum tuberosum</i> L. cv. Golden King) Production in the Aeroponic System. <i>Agronomy</i> , 2021, 11, 1627.	3.0	6
5945	Long-term liming improves soil fertility and soybean root growth, reflecting improvements in leaf gas exchange and grain yield. <i>European Journal of Agronomy</i> , 2021, 128, 126308.	4.1	16
5946	Aerated Buffalo Slurry Improves Spinach Plant Growth and Mitigates CO ₂ and N ₂ O Emissions from Soil. <i>Agriculture (Switzerland)</i> , 2021, 11, 758.	3.1	1
5947	Effect and Response of <i>Quercus ilex</i> subsp. <i>ballota</i> [Desf.] Samp. Seedlings From Three Contrasting Andalusian Populations to Individual and Combined <i>Phytophthora cinnamomi</i> and Drought Stresses. <i>Frontiers in Plant Science</i> , 2021, 12, 722802.	3.6	23
5948	Rhizobacterial <i>Bacillus mycoides</i> functions in stimulating the antioxidant defence system and multiple phytohormone signalling pathways to regulate plant growth and stress tolerance. <i>Journal of Applied Microbiology</i> , 2022, 132, 1260-1274.	3.1	10
5949	Exploitation of Agro-Industrial Residues for the Formulation of a New Active and Cost Effective Biofungicide to Control the Root Rot of Vegetable Crops. <i>Sustainability</i> , 2021, 13, 9254.	3.2	1
5950	Production of probiotic <i>Cajã</i> fruit (<i>Spondias mombin</i>) powder using <i>Bifidobacterium animalis</i> ssp. <i>lactis</i> B94 via spouted bed. <i>Food Science and Technology</i> , 0, , .	1.7	2

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5951	Foliar spray of moringa leaf extract improves growth and concentration of pigment, minerals and stevioside in stevia (<i>Stevia rebaudiana</i> Bertoni). <i>Industrial Crops and Products</i> , 2021, 166, 113485.	5.2	22
5952	Green Microalgae Strain Improvement for the Production of Sterols and Squalene. <i>Plants</i> , 2021, 10, 1673.	3.5	8
5953	Corn Cob-Derived Biochar Improves the Growth of Saline-Irrigated Quinoa in Different Orders of Egyptian Soils. <i>Horticulturae</i> , 2021, 7, 221.	2.8	17
5954	Rootstocks Overexpressing StNPR1 and StDREB1 Improve Osmotic Stress Tolerance of Wild-Type Scion in Transgrafted Tobacco Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8398.	4.1	4
5955	Arabidopsis SIGMA FACTOR BINDING PROTEIN1 (SIB1) and SIB2 inhibit WRKY75 function in abscisic acid-mediated leaf senescence and seed germination. <i>Journal of Experimental Botany</i> , 2022, 73, 182-196.	4.8	31
5956	The positive effects of inoculation using arbuscular mycorrhizal fungi and/or dark septate endophytes on the purification efficiency of CuO-nanoparticles-polluted wastewater in constructed wetland. <i>Journal of Hazardous Materials</i> , 2021, 416, 126095.	12.4	14
5957	Changes in Growth, Yield, Photosynthetic Pigments, Biochemical Substances, Oxidative Damage, and Antioxidant Activities Induced by Treatment with Different pH of Artificial acid rain in Pumpkin (<i>Cucurbita Moschata</i>). <i>Gesunde Pflanzen</i> , 2021, 73, 623-637.	3.0	4
5958	Physiological, photochemical, and antioxidant responses of wild and cultivated <i>Carthamus</i> species exposed to nickel toxicity and evaluation of their usage potential in phytoremediation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4446-4460.	5.3	5
5959	Effect of green and chemically synthesized titanium dioxide nanoparticles on cadmium accumulation in wheat grains and potential dietary health risk: A field investigation. <i>Journal of Hazardous Materials</i> , 2021, 415, 125585.	12.4	55
5960	Micro-pollutant Pb(II) mitigation and lipid induction in oleaginous microalgae <i>Chlorella sorokiniana</i> UUIND6. <i>Environmental Technology and Innovation</i> , 2021, 23, 101613.	6.1	25
5961	Shelf life of fresh in-hull pistachio in perforated polyethylene packaging. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 5528-5536.	3.2	3
5962	Tuz Stresinin B��r��lcede Baz�� Fiziolojik ��zellikler ve Mineral Madde Oranlar��na Etkisi. <i>Uluslararası Tar��m Ve Yaban Hayat�� Bilimleri Dergisi</i> , 2021, 7, 297-305.	0.3	0
5963	Effect of Different Organic Manures Application on the Bioactive Compound and Yield of Ta��k��pr�� �� Garlic (<i>Allium sativum</i> L.) under 50% Drought. <i>Uluslararası Tar��m Ve Yaban Hayat�� Bilimleri Dergisi</i> , 2021, 7, 264-275.	0.3	2
5964	Proline-Functionalized Graphene Oxide Nanoparticles (GO��Pro NPs) Mitigate Salt-Induced Adverse Effects on Morpho-Physiological Traits and Essential Oils Constituents in Moldavian Balm (<i>Dracocephalum moldavica</i> L.). <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2818-2832.	5.1	11
5965	Metal-tolerant <i>Pantoea</i> sp. WP-5 and organic manures enhanced root exudation and phytostabilization of cadmium in the rhizosphere of maize. <i>Environmental Science and Pollution Research</i> , 2022, 29, 6026-6039.	5.3	4
5966	Growth and Energy Use Efficiency of Grafted Tomato Transplants as Affected by LED Light Quality and Photon Flux Density. <i>Agriculture (Switzerland)</i> , 2021, 11, 816.	3.1	10
5967	Contribution of ABA metabolism and ROS generation to sugar starvation-induced senescence of rice leaves. <i>Plant Growth Regulation</i> , 2021, 95, 241-257.	3.4	8
5968	Effects of exposure of the leaf abaxial surface to direct solar radiation on the leaf anatomical traits and photosynthesis of soybean (<i>Glycine max</i> L.) in dryland farming systems. <i>Photosynthetica</i> , 2021, 59, 496-507.	1.7	3

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5969	Fiducial Reference Measurements for Vegetation Bio-Geophysical Variables: An End-to-End Uncertainty Evaluation Framework. <i>Remote Sensing</i> , 2021, 13, 3194.	4.0	14
5970	Comparative Growth, Photosynthetic Pigments, and Osmolytes Analysis of Hemp (<i>Cannabis sativa</i> L.) Seedlings under an Aeroponics System with Different LED Light Sources. <i>Horticulturae</i> , 2021, 7, 239.	2.8	5
5971	Removal of pentachlorophenol from contaminated wastewater using phytoremediation and bioaugmentation processes. <i>Water Science and Technology</i> , 2021, 84, 3091-3103.	2.5	3
5972	Microalgae-cyanobacteria-based biostimulant effect on salinity tolerance mechanisms, nutrient uptake, and tomato plant growth under salt stress. <i>Journal of Applied Phycology</i> , 2021, 33, 3779-3795.	2.8	52
5973	Potato peel alleviation of the negative effects of salinity in bean (<i>Phaseolus vulgaris</i> L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 582 0.9	0.9	2
5974	Survival of <i>Phytophthora nicotianae</i> in citrus rhizosphere. <i>Journal of Plant Pathology</i> , 2021, 103, 1307-1313.	1.2	5
5975	Combined use of zinc nanoparticles and co-composted biochar enhanced wheat growth and decreased Cd concentration in grains under Cd and drought stress: A field study. <i>Environmental Technology and Innovation</i> , 2021, 23, 101518.	6.1	29
5976	Alpha Carbonic Anhydrase 5 Mediates Stimulation of ATP Synthesis by Bicarbonate in Isolated <i>Arabidopsis</i> Thylakoids. <i>Frontiers in Plant Science</i> , 2021, 12, 662082.	3.6	7
5977	Alleviation of norflurazon-induced photobleaching by overexpression of Fe-chelatase in transgenic rice. <i>Journal of Pesticide Sciences</i> , 2021, 46, 258-266.	1.4	3
5978	Tolerance of Three Ornamental Plant Species to Chromium contamination in Soil and their Potential for Phytoextraction and Phytostabilization of the Toxic Metal. <i>Current World Environment Journal</i> , 2021, 16, 386-398.	0.5	3
5979	Transcriptome analysis revealed cellular pathways associated with abiotic stress tolerance and disease resistance induced by <i>Pseudomonas aeruginosa</i> in banana plants. <i>Plant Gene</i> , 2021, 27, 100321.	2.3	5
5980	Assessment of air pollution tolerance index of <i>Murraya paniculata</i> (L.) Jack in Kolkata metro city, West Bengal, India. <i>Urban Climate</i> , 2021, 39, 100977.	5.7	17
5981	The Influence of the Macroalgae Liquid Extracts on the Pigments and Fatty Acids Profile of the Marine Microalga, <i>Picochlorum maculatum</i> (PSDK01). <i>Thalassas</i> , 2022, 38, 553-564.	0.5	4
5982	Effect of gibberellic acid and titanium dioxide nanoparticles on growth, antioxidant defense system and mineral nutrient uptake in wheat. <i>Ecotoxicology and Environmental Safety</i> , 2021, 221, 112436.	6.0	24
5983	Comparative analysis morphology, anatomical structure and transcriptional regulatory network of chlorophyll biosynthesis in <i>Oryza longistaminata</i> , <i>O. sativa</i> and their F1 generation. <i>PeerJ</i> , 2021, 9, e12099.	2.0	1
5984	Preservation of <i>Spondias tuberosa</i> Fruit with Edible Coatings Based on <i>Chlorella</i> sp. Enriched with Pomegranate Seed Oil During Storage. <i>Food and Bioprocess Technology</i> , 2021, 14, 2020-2031.	4.7	3
5985	TMT-based quantitative proteomic analysis of the effects of <i>Pseudomonas syringae</i> pv. <i>tabaci</i> (Pst) infection on photosynthetic function and the response of the MAPK signaling pathway in tobacco leaves. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 657-667.	5.8	8
5986	Contents of photosynthetic pigments and ratios of chlorophyll a/b and chlorophylls to carotenoids (a+b)/(x+c) in C_{4} plants as compared to C_{3} plants. <i>Photosynthetica</i> , 2022, 60, 3-9.	1.7	17

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5987	Suppressing chlorophyll degradation by silencing <i>OsNYC3</i> improves rice resistance to <i>Rhizoctonia solani</i> , the causal agent of sheath blight. <i>Plant Biotechnology Journal</i> , 2022, 20, 335-349.	8.3	25
5988	Synergistic action of silicon nanoparticles and indole acetic acid in alleviation of chromium (CrVI) toxicity in <i>Oryza sativa</i> seedlings. <i>Journal of Biotechnology</i> , 2022, 343, 71-82.	3.8	47
5989	Endogenous indole-3-acetic acid and nitric oxide are required for calcium-mediated alleviation of copper oxide nanoparticles toxicity in wheat seedlings. <i>Physiologia Plantarum</i> , 2021, 173, 2262-2275.	5.2	5
5990	Influence of different ammonium and nitrate ratios on quality of rocket. <i>Acta Horticulturae</i> , 2021, , 103-108.	0.2	1
5991	Salt Stress Enhances Early Symbiotic Gene Expression in <i>Medicago truncatula</i> and Induces a Stress-Specific Set of Rhizobium-Responsive Genes. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 904-921.	2.6	19
5992	Ecophysiological and morpho-functional responses of mediterranean plants on coastal dunes: How they vary across seasons. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 259, 107480.	2.1	2
5993	SPAD index and leaf pigments in cauliflower in different water conditions and silicon fertilization. <i>Revista Engenharia Na Agricultura - REVENG</i> , 0, 29, 204-210.	0.2	2
5994	The Effect of Plasma Activated Water on Maize (<i>Zea mays</i> L.) under Arsenic Stress. <i>Plants</i> , 2021, 10, 1899.	3.5	9
5995	Effect of storage on plant biostimulant and bioactive properties of freeze-dried <i>Chlorella vulgaris</i> biomass. <i>Journal of Applied Phycology</i> , 2021, 33, 3797-3806.	2.8	8
5996	Variation in Brant's oak (<i>Quercus brantii</i> Lindl.) leaf traits in response to pollution from a gas refinery in semiarid forests of western Iran. <i>Environmental Science and Pollution Research</i> , 2022, 29, 10366-10379.	5.3	6
5997	Towards scalable estimation of plant functional diversity from Sentinel-2: In-situ validation in a heterogeneous (semi-)natural landscape. <i>Remote Sensing of Environment</i> , 2021, 262, 112505.	11.0	27
5998	Divergence of reactions to arsenic (As) toxicity in tobacco (<i>Nicotiana benthamiana</i>) plants: A lesson from peroxidase involvement. <i>Journal of Hazardous Materials</i> , 2021, 417, 126049.	12.4	12
5999	Effect of Source-Sink Ratio Manipulation on Growth, Flowering, and Yield Potential of Soybean. <i>Agriculture (Switzerland)</i> , 2021, 11, 926.	3.1	3
6000	Exogenously Used Proline Offers Potent Antioxidative and Osmoprotective Strategies to Re-balance Growth and Physio-biochemical Attributes in Herbicide-Stressed <i>Trigonella foenum-graecum</i> . <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3254-3268.	3.4	11
6002	Silver Nanoparticles Effects on In Vitro Germination, Growth, and Biochemical Activity of Tomato, Radish, and Kale Seedlings. <i>Materials</i> , 2021, 14, 5340.	2.9	22
6003	Arsenic-induced oxidative stress in <i>Brassica oleracea</i> : Multivariate and literature data analyses of physiological parameters, applied levels and plant organ type. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1827-1839.	3.4	12
6004	Changes in antioxidant enzymes activities and alkaloid amount of <i>Catharanthus roseus</i> in response to plant growth regulators under drought condition. <i>Industrial Crops and Products</i> , 2021, 167, 113505.	5.2	20
6005	Agro-Physiological Response of Quinoa (<i>Chenopodium quinoa</i> Willd.) to the Nitrogen Application Rate and Split Application Method. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3437-3450.	3.4	7

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6006	Effects of Light Condition on Growth and Physiological Characteristics of the Endangered Species <i>Sedirea japonica</i> under RCP 6.0 Climate Change Scenarios. <i>Plants</i> , 2021, 10, 1891.	3.5	4
6007	Prohexadione-calcium alleviates saline-alkali stress in soybean seedlings by improving the photosynthesis and up-regulating antioxidant defense. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112369.	6.0	34
6008	Biosynthesized silver nanoparticles induce phytotoxicity in <i>Vigna radiata</i> L.. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 2115-2126.	3.1	11
6009	Mixtures of Biological Control Agents and Organic Additives Improve Physiological Behavior in Cape Gooseberry Plants under Vascular Wilt Disease. <i>Plants</i> , 2021, 10, 2059.	3.5	5
6010	Genotypic variation in biochemical and physiological responses of fenugreek (<i>Trigonella</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 Td (f Horticulturae, 2021, 287, 110224.	3.6	15
6011	Field evaluation of transgenic hybrid poplars with desirable wood properties and enhanced growth for biofuel production by bicistronic expression of PdGA2Ox1 and PtrMYB3 in wood-forming tissue. <i>Biotechnology for Biofuels</i> , 2021, 14, 177.	6.2	3
6012	Effect of drying temperature on the physicochemical characteristics, bioactive compounds, and antioxidant activity of â€œPalmerâ€mango peels. <i>Journal of Food Process Engineering</i> , 0, , e13860.	2.9	7
6013	Influence of the light on the morphophysiological responses of native trees species of the semidecidual stational forest. <i>Revista Brasileira De Botanica</i> , 2021, 44, 963-976.	1.3	2
6014	Shifts in biochemical and physiological responses by the inoculation of arbuscular mycorrhizal fungi in <scp><i>Triticum aestivum</i></scp> growing under drought conditions. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 1927-1938.	3.5	9
6015	Extraction of microalgal starch and pigments by using different cell disruption methods and aqueous twoâ€phase system. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 67-78.	3.2	9
6016	Stabilization of <i>Arthrospira platensis</i> with highâ€pressure processing and thermal treatments: Effect on physicoâ€chemical and microbiological quality. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15912.	2.0	4
6017	Pre- and Early Post-treatment With <i>Arthrospira platensis</i> (Spirulina) Extract Impedes Lipopolysaccharide-triggered Neuroinflammation in Microglia. <i>Frontiers in Pharmacology</i> , 2021, 12, 724993.	3.5	13
6018	Alterations in leaf anatomy, quality, and quantity of flavonols and photosynthetic pigments in <i>Nigella sativa</i> L. subjected to drought and salinity stresses. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12398.	1.1	2
6019	Effects of urea supplementation and different substrates on the production of indole alkaloid reserpine in <i>Catharanthus roseus</i> plants. <i>Plant Biosystems</i> , 2022, 156, 1011-1018.	1.6	1
6020	Retrieving vegetation biophysical parameters and GPP using satellite-driven LUE model in a National Park. <i>Environment, Development and Sustainability</i> , 2022, 24, 9118-9138.	5.0	9
6021	European ferns as rich sources of antioxidants in the human diet. <i>Food Chemistry</i> , 2021, 356, 129637.	8.2	18
6022	Salinity mitigates cadmium-induced phytotoxicity in quinoa (<i>Chenopodium quinoa</i> Willd.) by limiting the Cd uptake and improved responses to oxidative stress: implications for phytoremediation. <i>Environmental Geochemistry and Health</i> , 2023, 45, 171-185.	3.4	19
6023	Growth, Mineral Nutrients, Photosynthesis and Related Physiological Parameters of Citrus in Response to Nitrogen Deficiency. <i>Agronomy</i> , 2021, 11, 1859.	3.0	23

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6024	Exogenous melatonin confers enhanced salinity tolerance in rice by blocking the ROS burst and improving Na ⁺ /K ⁺ homeostasis. <i>Environmental and Experimental Botany</i> , 2021, 189, 104530.	4.2	24
6025	Exogenous nitric oxide on morphological, biochemical and antioxidant enzyme activity on savory (<i>Satureja Hortensis</i> L.) plants under cadmium stress. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2021, 20, 417-423.	1.9	6
6026	Co-inoculation of Phosphate-Solubilizing Bacteria and Mycorrhizal Fungi: Effect on Seed Yield, Physiological Variables, and Fixed Oil and Essential Oil Productivity of Ajowan (<i>Carum copticum</i> L.) Under Water Deficit. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3159-3179.	3.4	11
6027	Increasing yield potential through manipulating of an <i>ARE1</i> ortholog related to nitrogen use efficiency in wheat by CRISPR/Cas9. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1649-1663.	8.5	51
6028	Potential Utilization of Diluted Seawater for the Cultivation of Some Summer Vegetable Crops: Physiological and Nutritional Implications. <i>Agronomy</i> , 2021, 11, 1826.	3.0	5
6029	Funneliformis mosseae Application Improves the Oil Quantity and Quality and Eco-physiological Characteristics of Soybean (<i>Glycine max</i> L.) Under Water Stress Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3076-3090.	3.4	20
6030	Microencapsulação de extrato de beterraba (<i>Beta Vulgaris</i> L.) pelo processo de gelificação iônica. <i>Research, Society and Development</i> , 2021, 10, e454101220171.	0.1	0
6031	Stability of thylakoid protein complexes and preserving photosynthetic efficiency are crucial for the successful recovery of the halophyte <i>Cakile maritima</i> from high salinity. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 177-190.	5.8	8
6032	Modulation of salinity impact on early seedling stage via nano-priming application of zinc oxide on rapeseed (<i>Brassica napus</i> L.). <i>Plant Physiology and Biochemistry</i> , 2021, 166, 376-392.	5.8	61
6033	Effects of ocean acidification on the growth and biochemical composition of a green alga (<i>Ulva</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10	3.8	21
6034	Inhibitors of Na/H Antiporter and Cation-Chloride-Cotransporters Have Contrasting Effects on Two Cultivars of <i>Oryza glaberrima</i> Steud. Differing in Salinity Resistance. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , 1.	3.4	3
6035	<i>Stevia rebaudiana</i> (Bert.) Bertonii cultivated under different photoperiod conditions: Improving physiological and biochemical traits for industrial applications. <i>Industrial Crops and Products</i> , 2021, 168, 113595.	5.2	8
6036	Remnant photosynthetic pigments in tea dregs: identification, composition, and potential use as antibacterial photosensitizer. <i>Potravinarstvo</i> , 0, 15, 835-845.	0.6	0
6037	Electron Beam Irradiated Chitosan elicits enhanced antioxidant properties combating resistance to Purple Blotch Disease (<i>Alternaria porri</i>) in Onion (<i>Allium cepa</i>).. <i>International Journal of Radiation Biology</i> , 2022, 98, 100-108.	1.8	0
6038	Selenite as a Lipid Inductor in Marine Microalga <i>Dunaliella tertiolecta</i> : Comparison of One-Stage and Two-Stage Cultivation Strategies. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 930-949.	2.9	5
6039	Fucoid Macroalgae Have Distinct Physiological Mechanisms to Face Emersion and Submersion Periods in Their Southern Limit of Distribution. <i>Plants</i> , 2021, 10, 1892.	3.5	7
6040	Effect of Dust Deposition on Chlorophyll Concentration Estimation in Urban Plants from Reflectance and Vegetation Indexes. <i>Remote Sensing</i> , 2021, 13, 3570.	4.0	7
6041	Tomato phytochromes <i>scp>B1</scp></i> and <i>scp>B2</scp></i> are part of the responses to the nutritional stress induced by <i>scp>NPK</scp></i> deficiency. <i>Physiologia Plantarum</i> , 2021, 173, 2238-2247.	5.2	3

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6042	Anti-Inflammatory Activities of <i>Euglena gracilis</i> Extracts. <i>Microorganisms</i> , 2021, 9, 2058.	3.6	3
6043	Effect of using <i>Celosia argentea</i> grown from seeds treated with a magnetic field to conduct Cd phytoremediation in drought stress conditions. <i>Chemosphere</i> , 2021, 280, 130724.	8.2	12
6044	Dataset on the effect of foliar application of different concentrations of silicon dioxide and organosilicon compounds on the growth and biochemical contents of oak leaf lettuce (<i>Lactuca</i>) Tj ETQq0 0 0 rgBT 10 Overlock& 10 Tf 50 63	10.0	10
6045	Sulfur nanoparticles improved plant growth and reduced mercury toxicity via mitigating the oxidative stress in <i>Brassica napus</i> L.. <i>Journal of Cleaner Production</i> , 2021, 318, 128589.	9.3	47
6046	Essential oil, total phenolic, flavonoids, anthocyanins, carotenoids and antioxidant activity of cultivated Damask Rose (<i>Rosa damascena</i>) from Iran: With chemotyping approach concerning morphology and composition. <i>Scientia Horticulturae</i> , 2021, 288, 110341.	3.6	37
6047	Low-fat and rich-fibers macauba (<i>Acrocomia</i> spp.) sauces: Physical and oxidative stability, nutritional quality and sensory characteristics. <i>Food Bioscience</i> , 2021, 43, 101272.	4.4	2
6048	Increased pH-mediated alleviation of copper-toxicity and growth response function in <i>Citrus sinensis</i> seedlings. <i>Scientia Horticulturae</i> , 2021, 288, 110310.	3.6	15
6049	Silicon and nitric oxide synergistically modulate the production of essential oil and rosmarinic acid in <i>Salvia officinalis</i> under Cu stress. <i>Protoplasma</i> , 2022, 259, 905-916.	2.1	18
6050	Daily dynamics of intermediate metabolite profiles lead to time-dependent phenylethanoid glycosides production in <i>Scrophularia striata</i> during the day/night cycle. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 225, 112326.	3.8	4
6051	Multiple effects of silicon on alleviation of arsenic and cadmium toxicity in hyperaccumulator <i>Isatis cappadocica</i> Desv.. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 177-187.	5.8	10
6052	Effect of different illumination patterns on the growth and biomolecular synthesis of isolated <i>Chlorella Thermophila</i> in a 50 L pilot-scale photobioreactor. <i>Process Biochemistry</i> , 2021, 109, 87-97.	3.7	13
6053	Absciscic acid mitigates NaCl toxicity in grapevine by influencing phytochemical compounds and mineral nutrients in leaves. <i>Scientia Horticulturae</i> , 2021, 288, 110336.	3.6	17
6054	Eliciting effects of magnetized solution on physiological and biochemical characteristics and elemental uptake in hydroponically grown grape (<i>Vitis vinifera</i> L. cv. Thompson Seedless). <i>Plant Physiology and Biochemistry</i> , 2021, 167, 586-595.	5.8	6
6055	Melatonin-mediated photosynthetic performance of tomato seedlings under high-temperature stress. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 309-320.	5.8	124
6056	Effect of CAX1a TILLING mutations on photosynthesis performance in salt-stressed <i>Brassica rapa</i> plants. <i>Plant Science</i> , 2021, 311, 111013.	3.6	8
6057	Impact of high irradiance and UV-B on the photosynthetic activity, pro-/antioxidant balance and expression of light-activated genes in <i>Arabidopsis thaliana</i> hy4 mutants grown under blue light. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 153-162.	5.8	11
6058	Effect of high-intensity light on the photosynthetic activity, pigment content and expression of light-dependent genes of photomorphogenetic <i>Solanum lycopersicum</i> hp mutants. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 91-100.	5.8	14
6059	Impact of foliar spray of zinc oxide nanoparticles on the photosynthesis of <i>Pisum sativum</i> L. under salt stress. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 607-618.	5.8	27

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6061	Endophytic bacterium CIMAP-A7 mediated amelioration of atrazine induced phyto-toxicity in <i>Andrographis paniculata</i> . <i>Environmental Pollution</i> , 2021, 287, 117635.	7.5	12
6062	Impact of organic and inorganic amendments on arsenic accumulation by rice genotypes under paddy soil conditions: A pilot-scale investigation to assess health risk. <i>Journal of Hazardous Materials</i> , 2021, 420, 126620.	12.4	17
6063	Chitosan-selenium nanoparticles (Cs-Se NPs) modulate the photosynthesis parameters, antioxidant enzymes activities and essential oils in <i>Dracocephalum moldavica</i> L. under cadmium toxicity stress. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 257-268.	5.8	47
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6065	Eucalyptus growth recognition using machine learning methods and spectral variables. <i>Forest Ecology and Management</i> , 2021, 497, 119496.	3.2	12
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6068	Exogenous addition of silicon alleviates metsulfuron methyl induced stress in wheat seedlings. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 705-712.	5.8	9
6069	Phytoremediation of soil treated with metalliferous leachate from an abandoned industrial site by <i>Alternanthera sessilis</i> and <i>Ipomoea aquatica</i> : Metal extraction and biochemical responses. <i>Ecological Engineering</i> , 2021, 170, 106349.	3.6	8
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6071	Morphological, physiological, and biochemical responses of Tunisian <i>Urtica pilulifera</i> L. under salt constraint. <i>South African Journal of Botany</i> , 2021, 142, 124-130.	2.5	0
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6074	Contribution of biochar and arbuscular mycorrhizal fungi to sustainable cultivation of sunflower under semi-arid environment. <i>Field Crops Research</i> , 2021, 273, 108292.	5.1	7
6075	Explaining discrepancies between spectral and in-situ plant diversity in multispectral satellite earth observation. <i>Remote Sensing of Environment</i> , 2021, 265, 112684.	11.0	26
6076	Tolerance to salinity and drought stresses in pistachio (<i>Pistacia vera</i> L.) seedlings inoculated with indigenous stress-tolerant PGPR isolates. <i>Scientia Horticulturae</i> , 2021, 289, 110440.	3.6	30
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6079	Light modulates transcriptomic dynamics upregulating astaxanthin accumulation in <i>Haematococcus</i> : A review. <i>Bioresource Technology</i> , 2021, 340, 125707.	9.6	32
6080	Improvement and screening of astaxanthin producing mutants of newly isolated <i>Coelastrum</i> sp. using ethyl methane sulfonate induced mutagenesis technique. <i>Biotechnology Reports (Amsterdam)</i> , 2021, 10, 100000.	0.0	0
6081	24-epibrassinolide alleviates postharvest yellowing of broccoli via improving its antioxidant capacity. <i>Food Chemistry</i> , 2021, 365, 130529.	8.2	20
6082	Appraising the stress responses in <i>Azolla filiculoides</i> elicited by short-term exposure of phenol. <i>Plant Stress</i> , 2021, 2, 100032.	5.5	2
6083	Role of melatonin seed priming on antioxidant enzymes and biochemical responses of <i>Carthamus tinctorius</i> L. under drought stress conditions. <i>Plant Stress</i> , 2021, 2, 100023.	5.5	24
6084	Implication of nitric oxide and hydrogen sulfide signalling in alleviating arsenate stress in rice seedlings. <i>Environmental Pollution</i> , 2021, 291, 117958.	7.5	26
6085	Optimized production and enrichment of γ -linolenic acid by <i>Scenedesmus</i> sp. HJ296. <i>Algal Research</i> , 2021, 60, 102505.	4.6	6
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6088	Ethylene needs endogenous hydrogen sulfide for alleviating hexavalent chromium stress in <i>Vigna mungo</i> L. and <i>Vigna radiata</i> L.. <i>Environmental Pollution</i> , 2021, 290, 117968.	7.5	21
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6090	Cryptochrome 1a of tomato modulates nutritional deficiency responses. <i>Scientia Horticulturae</i> , 2022, 291, 110577.	3.6	3
6091	Impact of CuO nanoparticles on maize: Comparison with CuO bulk particles with special reference to oxidative stress damages and antioxidant defense status. <i>Chemosphere</i> , 2022, 287, 131911.	8.2	30
6092	Potential Hepatoprotective Effect of <i>Cheatomorpha gracilis</i> extract against High Fat Diet (HFD)-Induced Liver Damage, and its characterization by HPLC. <i>Brazilian Journal of Biology</i> , 2021, 82, e247102.	0.9	0
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6094	Influence of seawater acidification on biochemical composition and oxidative status of green algae <i>Ulva compressa</i> . <i>Science of the Total Environment</i> , 2022, 806, 150445.	8.0	9
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6103	Characterization and Candidate Gene Analysis of the Yellow-Green Leaf Mutant <i>ygl16</i> in Rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overl	0.7	0
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6107	Regulation of flowering under short photoperiods based on transcriptomic and metabolomic analysis in <i>Phaseolus vulgaris</i> L.. <i>Molecular Genetics and Genomics</i> , 2021, 296, 379-390.	2.1	2
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6434	Biostimulant Effect of Four Moroccan Seaweed Extracts Applied as Seed Treatment and Foliar Spray on Maize. <i>Asian Journal of Plant Sciences</i> , 2020, 19, 419-428.	0.4	9
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6439	Growth, Physiological and Anatomical Behaviour of <i>Cynanchum acutum</i> in Response to Cement Dust Pollution. <i>Journal of Environmental Science and Technology</i> , 2016, 9, 345-353.	0.3	1
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6883	Grey and Black Anti-Hail Nets Ameliorated Apple (<i>Malus</i> — <i>domestica</i> Borkh. cv. Golden Delicious) Physiology under Mediterranean Climate. <i>Plants</i> , 2021, 10, 2578.	3.5	9
6884	Soil Amendment Using Biochar and Application of K-Humate Enhance the Growth, Productivity, and Nutritional Value of Onion (<i>Allium cepa</i> L.) under Deficit Irrigation Conditions. <i>Plants</i> , 2021, 10, 2598.	3.5	21

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6885	The potential of beach wrack as plant biostimulant to mitigate metal toxicity: mineral composition, antioxidant properties and effects against Cu-induced stress. <i>Journal of Applied Phycology</i> , 2022, 34, 667-678.	2.8	1
6886	Coronatine alleviates cold stress by improving growth and modulating antioxidative defense system in rice (<i>Oryza sativa</i> L.) seedlings. <i>Plant Growth Regulation</i> , 2022, 96, 283-291.	3.4	5
6887	Salinity stress as a critical factor to trigger lipid accumulation in a freshwater microalga <i>Lobochlamys</i> sp. GUEco1006. <i>Biologia (Poland)</i> , 2021, 76, 3647.	1.5	2
6888	Potential of seed biopriming with <i>Trichoderma</i> in ameliorating salinity stress and providing resistance against leaf blast disease in finger millet (<i>Eleusine coracana</i> L.). <i>Indian Phytopathology</i> , 2022, 75, 147-164.	1.2	5
6889	Iodine and Selenium Biofortification of Chervil Plants Treated with Silicon Nanoparticles. <i>Plants</i> , 2021, 10, 2528.	3.5	11
6890	Coordinating Carbon Metabolism and Cell Cycle of <i>Chlamydomonas reinhardtii</i> with Light Strategies under Nitrogen Recovery. <i>Microorganisms</i> , 2021, 9, 2480.	3.6	4
6891	Mycorrhiza-Induced Alterations in Metabolome of <i>Medicago lupulina</i> Leaves during Symbiosis Development. <i>Plants</i> , 2021, 10, 2506.	3.5	7
6892	Mobilization Of Genetic Resources Of <i>Hyssopus Officinalis</i> L. For Selection For Seed Productivity And Essential Oil Content. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 901, 012055.	0.3	0
6893	Effects of pyridinium-based ionic liquids with different alkyl chain lengths on the growth of maize seedlings. <i>Journal of Hazardous Materials</i> , 2022, 427, 127868.	12.4	7
6894	Evaluation of strategies to enhance ammoniacal nitrogen tolerance by cyanobacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 7.	3.6	2
6895	Increasing plant performance, fruit production and nutritional value of tomato through foliar applied rutin. <i>Scientia Horticulturae</i> , 2022, 294, 110755.	3.6	17
6896	Leaf and canopy photosynthesis of four desert plants: considering different photosynthetic organs. <i>Photosynthesis Research</i> , 2021, , 1.	2.9	1
6897	Influence of Light of Different Spectral Compositions on the Growth, Photosynthesis, and Expression of Light-Dependent Genes of Scots Pine Seedlings. <i>Cells</i> , 2021, 10, 3284.	4.1	17
6898	Characterization of a Chickpea Mutant Resistant to <i>Phelipanche aegyptiaca</i> Pers. and <i>Orobanche crenata</i> Forsk. <i>Plants</i> , 2021, 10, 2552.	3.5	5
6899	Thermo resistant antioxidants from photoautotrophic microorganisms: screening and characterization. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 215.	3.6	1
6900	Tolerance Comparison Among Selected <i>Spirulina</i> Strains Cultured Under High Carbon Dioxide and Coal Power Plant Flue Gas Supplements. <i>Journal of Ocean University of China</i> , 2021, 20, 1567-1577.	1.2	5
6901	Physiological responses and transcriptome analysis of <i>Spirodela polyrhiza</i> under red, blue, and white light. <i>Planta</i> , 2022, 255, 11.	3.2	8
6902	Evaluation of physicochemical, bioactive composition and profile of fatty acids in leaves of different olive cultivars. <i>Revista Ceres</i> , 2021, 68, 511-520.	0.4	1

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6903	Tolerance to irrigation water salinity in <i>Physalis peruviana</i> L. plants. <i>Revista Ceres</i> , 2021, 68, 617-623.	0.4	2
6904	Monitoring nitrogen variability in two Mediterranean ornamental shrubs through proximal fluorescence-based sensors at leaf and canopy level. <i>Scientia Horticulturae</i> , 2022, 294, 110773.	3.6	2
6905	Hydrogen sulfide improves tall fescue photosynthesis response to low-light stress by regulating chlorophyll and carotenoid metabolisms. <i>Plant Physiology and Biochemistry</i> , 2022, 170, 133-145.	5.8	16
6906	PCPB Improve Photosynthetic Activity and Tolerance to Oxidative Stress in <i>Brassica napus</i> Grown on Salinized Soils. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11442.	2.5	13
6907	Effects of variable daily light integrals and elevated CO ₂ on the adult and juvenile performance of two <i>Acropora</i> corals. <i>Marine Biology</i> , 2022, 169, 1.	1.5	4
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6909	Phenolic and flavonoid compounds and antioxidant activity in flowers of nine endemic <i>Verbascum</i> species from Iran. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 3250-3258.	3.5	11
6910	Local adaptation at a small geographic scale observed in <i>Juniperus excelsa</i> populations in southern Turkey. <i>IForest</i> , 2021, 14, 531-539.	1.4	3
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6915	Productivity, dynamics of morphological and physiological-biochemical parameters of different potato varieties in conditions of middle volga steppe zone. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
6916	Effect of Chromium VI on edible plants and their health risks: case of Radish (<i>Raphanus sativus</i>) Tj ETQq1 1 0.784314 15 BT /Overl	0.5	3
6917	Reclamation of fly ash dump diminishes the metal accumulation and improves the photosynthetic function of orchid <i>Listera ovata</i> . <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
6918	Nitric oxide and spermidine alleviate arsenic-incited oxidative damage in <i>Cicer arietinum</i> by modulating glyoxalase and antioxidant defense system. <i>Functional Plant Biology</i> , 2021, , .	2.1	4
6919	A comparison of physiological responses between attached and pelagic populations of <i>Sargassum horneri</i> under nutrient and light limitation. <i>Marine Environmental Research</i> , 2022, 173, 105544.	2.5	8
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6922	Bioactive compounds of parsley (<i>Petroselinum crispum</i>), chives (<i>Allium schoenoprasum</i> L) and their mixture (Brazilian cheiro-verde) as promising antioxidant and anti-cholesterol oxidation agents in a food system. <i>Food Research International</i> , 2022, 151, 110864.	6.2	17
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6925	Low nitrogen level improves low-light tolerance in tall fescue by regulating carbon and nitrogen metabolism. <i>Environmental and Experimental Botany</i> , 2022, 194, 104749.	4.2	8
6926	Dataset on the effect of soaking Kale (<i>Brassica Oleracea</i> L. var. <i>acephala</i> DC.) seeds in solution based on amorphous silicon dioxide on the bioactive components and physiological growth parameters. <i>Data in Brief</i> , 2022, 40, 107789.	1.0	0
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6936	How do native grasses from South America handle zinc excess in the soil? A physiological approach. <i>Environmental and Experimental Botany</i> , 2022, 195, 104779.	4.2	9
6937	Biochar promotes arsenic (As) immobilization in contaminated soils and alleviates the As-toxicity in soybean (<i>Glycine max</i> (L.) Merr.). <i>Chemosphere</i> , 2022, 292, 133407.	8.2	17
6938	Biocompatibility of <i>Solanum lycopersicum</i> and <i>Solanum melongena</i> which developed in heavy metal polluted soils. <i>South African Journal of Botany</i> , 2022, 147, 24-34.	2.5	3

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6940	Influência do tempo de infusão nas características físico-químicas e no conteúdo de compostos bioativos nutracêuticos de folha de mangaba (<i>Hancornia speciosa</i> Gomes). <i>Research, Society and Development</i> , 2020, 9, e2519108557.	0.1	0
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6949	The effects of kiwi fruit extract and gallic acid on symbiotic relationship between broomrape and tomato. <i>Yaftah</i> , 2021, 8, 220-232.	0.2	0
6950	Castor bean (<i>Ricinus communis</i> L.) responses to drought stress and foliar application of Zn-nano fertilizer and humic acid: grain yield, oil content, antioxidant activity, and photosynthetic pigments. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12003.	1.1	2
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6952	A Simple and Effective Bioassay Method Suitable to Comparative In Vitro Study of Tomato Salt Tolerance at Early Development Stages. <i>Methods and Protocols</i> , 2022, 5, 11.	2.0	3
6953	<i>Arabidopsis</i> CIA2 and CIL have distinct and overlapping functions in regulating chloroplast and flower development. <i>Plant Direct</i> , 2022, 6, e380.	1.9	3
6954	Nitrate-responsive transcriptome analysis reveals additional genes/processes and associated traits viz. height, tillering, heading date, stomatal density and yield in japonica rice. <i>Planta</i> , 2022, 255, 42.	3.2	11
6955	Can Light Spectrum Composition Increase Growth and Nutritional Quality of <i>Linum usitatissimum</i> L. Sprouts and Microgreens?. <i>Horticulturae</i> , 2022, 8, 98.	2.8	11
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6958	Role of Bio-Based Synthesized Nanozinc Oxide in Ameliorating the Deleterious Effects Caused by Lead in <i>Vigna radiata</i> L. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 2005-2020.	2.9	6
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6961	Evaluation of Nutritional Content in Wild Apricot Fruits for Sustainable Apricot Production. <i>Sustainability</i> , 2022, 14, 1063.	3.2	15
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6965	The <i>Xanthomonas</i> type-III effector XopS stabilizes <i>Ca</i> WRKY40a to regulate defense responses and stomatal immunity in pepper (<i>Capsicum annuum</i>). <i>Plant Cell</i> , 2022, 34, 1684-1708.	6.6	24
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6972	The Mode of Integration Between <i>Azotobacter</i> and <i>Rhizobium</i> Affect Plant Growth, Yield, and Physiological Responses of Pea (<i>Pisum sativum</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1238-1251.	3.4	21
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6994	Phytochemicals mitigation of <i>Brassica napus</i> by IAA grown under Cd and Pb toxicity and its impact on growth responses of <i>Anagallis arvensis</i> . <i>Journal of Biotechnology</i> , 2022, 343, 83-95.	3.8	9
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6996	Chromium-resistant <i>Staphylococcus aureus</i> alleviates chromium toxicity by developing synergistic relationships with zinc oxide nanoparticles in wheat. <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113142.	6.0	79
6997	Heat-stress response of photosystem II in five ecologically important tree species of European temperate forests. <i>Biologia (Poland)</i> , 2022, 77, 671-680.	1.5	13
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7004	Iron Chelate Improves Rooting in Indole-3-Butyric Acid-Treated Rosemary (<i>Rosmarinus officinalis</i>) Stem Cuttings. <i>Agriculture (Switzerland)</i> , 2022, 12, 210.	3.1	4
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7011	Ecophysiological and biochemical responses of two tree species from a tropical dry forest to drought stress and recovery. <i>Journal of Arid Environments</i> , 2022, 200, 104720.	2.4	3
7012	A new technique for reducing accumulation, transport, and toxicity of heavy metals in wheat (<i>Triticum aestivum</i> L.) by bio-filtration of river wastewater. <i>Chemosphere</i> , 2022, 294, 133642.	8.2	13
7013	Sugar Feeding Enhances Root Vigor Of Young Trees Following Containerization. <i>Arboriculture and Urban Forestry</i> , 2004, 30, 357-364.	0.6	2
7014	Screening and evaluation of chilli (<i>Capsicum annuum</i> L.) genotypes for waterlogging tolerance at seedling stage. <i>Biocell</i> , 2022, 46, 1613-1627.	0.7	4
7015	Morphophysiological characteristics of rare orchid plant <i>Malaxis monophyllos</i> in recultivated fly ash dump. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	0
7016	DMT1 ^{1/4} -çä, €ä, ä, æ ^o é.../äšèf±æ ^o é...èç TM 1/2é...ŕè°fæžšæ°ç”»âˆ†è~—â1ŕä,ä,žâ12æ—±èfè;«â“â°”. <i>Scientia Sinica (Botanica)</i> , 2022, , .	0.4	1
7017	Estimation of plant growth promoting activity of silicate solubilizing rhizobacteria for use in agricultural biotechnology. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	0
7018	Fungi, source of biologically active substances with important application in agricultural fields. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	0
7019	Influence of Arbuscular Mycorrhizal Fungi on Morphophysiological Responses and Secondary Metabolism in <i>Lippia alba</i> (Verbenaceae) Under Different Water Regimes. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 827-841.	5.1	4
7020	Change in the photochemical and structural organization of thylakoids from pea (<i>Pisum sativum</i>) under salt stress. <i>Plant Physiology and Biochemistry</i> , 2022, 177, 46-60.	5.8	15
7021	Nannochloropsis oceanica biomass enriched by electrocoagulation harvesting with promising agricultural applications. <i>Bioresource Technology Reports</i> , 2022, 17, 100979.	2.7	1
7022	Physiological response analysis for the diagnosis of drought and waterlogging damage in <i>Prunus yedoensis</i> . <i>Forest Science and Technology</i> , 2022, 18, 14-25.	0.8	6
7023	High autumn temperatures increase the depth of bud dormancy in the subtropical <i>Torreya grandis</i> and <i>Carya illinoensis</i> and delay leaf senescence in the deciduous <i>Carya</i> . <i>Trees - Structure and Function</i> , 2022, 36, 1053-1065.	1.9	2
7024	Hydrogen sulphide alleviates cadmium stress in <i>Trigonella foenum-graecum</i> by modulating antioxidant enzymes and polyamine content. <i>Plant Biology</i> , 2022, 24, 618-626.	3.8	20
7025	The Absence of the AtSYT1 Function Elevates the Adverse Effect of Salt Stress on Photosynthesis in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 1751.	4.1	4
7026	Mitigation of Water Deficit in Two Cultivars of <i>Panicum maximum</i> by the Application of Silicon. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	2.4	6
7027	Differential Uptake and Translocation of Cadmium and Lead by Quinoa: A Multivariate Comparison of Physiological and Oxidative Stress Responses. <i>Toxics</i> , 2022, 10, 68.	3.7	18
7028	Arbuscular mycorrhizal fungi enhanced salt tolerance of <i>Gleditsia sinensis</i> by modulating antioxidant activity, ion balance and P/N ratio. <i>Plant Growth Regulation</i> , 2022, 97, 33-49.	3.4	17

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7029	Salinity Induced Alterations in the Growth and Cellular Ion Content of <i>Azolla caroliniana</i> and <i>Azolla microphylla</i> . <i>Journal of Plant Growth Regulation</i> , 0, , 1.	5.1	1
7030	Physiological responses of beet and cabbage plants exposed to copper and their potential insertion in human food chain. <i>Environmental Science and Pollution Research</i> , 2022, 29, 44186-44198.	5.3	5
7031	Identifying volatile and non-volatile organic compounds to discriminate cultivar, growth location, and stage of ripening in olive fruits and oils. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 4500-4513.	3.5	4
7032	Taurine modulates dynamics of oxidative defense, secondary metabolism, and nutrient relation to mitigate boron and chromium toxicity in <i>Triticum aestivum</i> L. plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 45527-45548.	5.3	30
7033	Role of Potassium in Modifying the Potato Physiological Responses to Irrigation Regimes Under Different Planting Patterns. <i>Potato Research</i> , 2022, 65, 581-600.	2.7	4
7034	Photoacclimation and Light Thresholds for Cold Temperate Seagrasses. <i>Frontiers in Plant Science</i> , 2022, 13, 805065.	3.6	3
7035	Assessing the use of two halophytes species and seaweed composting in Cu-pollution remediation strategies. <i>Marine Pollution Bulletin</i> , 2022, 176, 113413.	5.0	11
7036	Combined toxicity of microplastic and lead on submerged macrophytes. <i>Chemosphere</i> , 2022, 295, 133956.	8.2	22
7037	Carboxymethyl cellulose coating delays ripening of harvested mango fruits by regulating softening enzymes activities. <i>Food Chemistry</i> , 2022, 380, 131804.	8.2	40
7038	Comprehensive toxic effects of povidone iodine on microalgae <i>Chlorella pyrenoidosa</i> under different concentrations. <i>Aquaculture Research</i> , 0, , .	1.8	3
7039	Combined Application of Citric Acid and Cr Resistant Microbes Improved Castor Bean Growth and Photosynthesis while It Alleviated Cr Toxicity by Reducing Cr+6 to Cr3+. <i>Microorganisms</i> , 2021, 9, 2499.	3.6	6
7040	Salinity and SiO ₂ Impact on Growth and Biochemical Responses of Basil (<i>Ocimum</i>) Tj ETQq1 1 0.784314 rgBT /Qverlock 10		
7041	Rootstock-Mediated Genetic Variance in Cadmium Uptake by Juvenile Cacao (<i>Theobroma cacao</i> L.) Genotypes, and Its Effect on Growth and Physiology. <i>Frontiers in Plant Science</i> , 2021, 12, 777842.	3.6	23
7042	Investigation of the Biocontrol Potential of Two Ash Endophytes against <i>Hymenoscyphus fraxineus</i> Using In Vitro Plant-Fungus Dual Cultures. <i>Forests</i> , 2021, 12, 1750.	2.1	10
7044	Microbe-Citric Acid Assisted Phytoremediation of Chromium by Castor Bean (<i>Ricinus Communis</i> ÂL.). <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
7045	Microalgae Improve the Photosynthetic Performance of Rice Seedlings (<i>Oryza sativa</i> L.) under Physiological Conditions and Cadmium Stress. <i>Phyton</i> , 2022, 91, 1365-1380.	0.7	0
7046	Carbon dots improve the nutritional quality of coriander (<i>Coriandrum sativum</i> L.) by promoting photosynthesis and nutrient uptake. <i>Environmental Science: Nano</i> , 2022, 9, 1651-1661.	4.3	9
7047	Effect of Chilling and Salinity Stress on Physiological Response of <i>Vicia Faba</i> L. Leaves. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

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7048	Two Types of Growth Pattern of the Five Microalgal Species Under Different Nitrogen Supplies. SSRN Electronic Journal, 0, , .	0.4	0
7049	INFLUENCE OF FOLIAR FERTILISERS ON BIOCHEMICAL AND PHYSIOLOGICAL PROPERTIES IN NEPETA RACEMOSA LAM.. Journal of Applied Life Sciences and Environment, 2022, 187, 310-321.	0.3	1
7050	Influence of foliar application of glycinebetaine on Tagetes erecta L yield cultivated under salinity conditions. Brazilian Journal of Biology, 2022, 82, e256502.	0.9	0
7051	Carbon dots can strongly promote photosynthesis in lettuce (<i>Lactuca sativa</i> L.). Environmental Science: Nano, 2022, 9, 1530-1540.	4.3	12
7052	Differences in biochemical, physiological and molecular response mechanisms of rice, weedy rice and barnyardgrass subjected to drought. Pesquisa Agropecuaria Tropical, 0, 52, .	1.0	0
7053	Graded Moisture Deficit Effect on Secondary Metabolites, Antioxidant, and Inhibitory Enzyme Activities in Leaf Extracts of Rosa damascena Mill. var. trigenipetala. Horticulturae, 2022, 8, 177.	2.8	19
7054	Leaf structural and physiological factors for winter dormancy color of zoysiagrass (Zoysia spp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 500	0.7	0
7055	Methyl jasmonate increases aluminum tolerance in rice by augmenting the antioxidant defense system, maintaining ion homeostasis, and increasing nonprotein thiol compounds. Environmental Science and Pollution Research, 2022, 29, 46708-46720.	5.3	12
7056	Phytoremediation of Soils Contaminated with Heavy Metals from Gold Mining Activities Using Clidemia sericea D. Don. Plants, 2022, 11, 597.	3.5	13
7057	Evaluation of Nutraceutical Properties of Eleven Microalgal Strains Isolated from Different Freshwater Aquatic Environments: Perspectives for Their Application as Nutraceuticals. Foods, 2022, 11, 654.	4.3	10
7058	Effect of LED light on the growth and physiological indices of blueberry. Agronomy Journal, 2022, 114, 2105-2112.	1.8	4
7059	Salinity-Induced Attenuation in Secondary Metabolites Profile and Herbicidal Potential of Brassica nigra L. on Anagallis arvensis L.. Journal of Plant Growth Regulation, 0, , 1.	5.1	5
7061	The potential of common duckweed (Lemna minor) in phytoremediation of phenanthrene and pyrene. Environmental Engineering Research, 2023, 28, 210592-0.	2.5	3
7062	Comparison of Protective Reactions of Rape Seeds to Chloride Salination at Exposure to Epibrassinolide before or during Salt Stress. Doklady Biochemistry and Biophysics, 2022, 502, 25-29.	0.9	2
7063	Effect of arbuscular mycorrhizal fungi on the accumulation of secondary metabolites in roots and reproductive organs of Solanum nigrum, Digitaria sanguinalis and Ipomoea purpurea. Chemical and Biological Technologies in Agriculture, 2022, 9, .	4.6	14
7064	The Impact of Salinity Stress on Antioxidant Response and Bioactive Compounds of Nepeta cataria L.. Agronomy, 2022, 12, 562.	3.0	11
7065	Lichen indication of surface air pollution in CATE Zheleznogorsk. IOP Conference Series: Earth and Environmental Science, 2022, 979, 012113.	0.3	0
7066	Combined Role of Fe Nanoparticles (Fe NPs) and Staphylococcus aureus L. in the Alleviation of Chromium Stress in Rice Plants. Life, 2022, 12, 338.	2.4	17

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7067	Overexpression of Rice Monogalactosyldiacylglycerol Synthase OsMGD Leads to Enhanced Salt Tolerance in Rice. <i>Agronomy</i> , 2022, 12, 568.	3.0	2
7068	The Role of Plant Growth Promoting Rhizosphere Microbiome as Alternative Biofertilizer in Boosting <i>Solanum melongena</i> L. Adaptation to Salinity Stress. <i>Plants</i> , 2022, 11, 659.	3.5	10
7069	Reduction of ethylene biosynthesis in sugarcane induces growth and investment in the non-enzymatic antioxidant apparatus. <i>Plant Cell Reports</i> , 2022, 41, 979-993.	5.6	2
7070	Dynamics of Etiolation Monitored by Seedling Morphology, Carotenoid Composition, Antioxidant Level, and Photoactivity of Protochlorophyllide in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 772727.	3.6	1
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7072	Effective Metabolic Carbon Utilization and Shoot-to-Root Partitioning Modulate Distinctive Yield in High Yielding Cassava Variety. <i>Frontiers in Plant Science</i> , 2022, 13, 832304.	3.6	2
7073	Dual Role of Acid Rain and <i>Pyricularia oryzae</i> on Growth, Photosynthesis and Chloroplast Ultrastructure in Rice Seedlings. <i>Agronomy</i> , 2022, 12, 567.	3.0	4
7074	Ammonium transporter 1 increases rice resistance to sheath blight by promoting nitrogen assimilation and ethylene signalling. <i>Plant Biotechnology Journal</i> , 2022, 20, 1085-1097.	8.3	15
7075	Identifying key genes involved in yellow leaf variation in ‘Menghai Huangye’ based on biochemical and transcriptomic analysis. <i>Functional and Integrative Genomics</i> , 2022, 22, 251-260.	3.5	9
7076	Multivariate analysis of morpho-physiological traits in <i>Amaranthus tricolor</i> as affected by nitric oxide and cadmium stress. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	5.3	3
7077	Cowpea Physiological Responses to Terminal Drought – Comparison between Four Landraces and a Commercial Variety. <i>Plants</i> , 2022, 11, 593.	3.5	11
7078	Climate change influences foliar nutrition and metabolism of red maple (<i>Acer rubrum</i>) trees in a northern hardwood forest. <i>Ecosphere</i> , 2022, 13, .	2.2	1
7079	A Comparative LCA of Aeroponic, Hydroponic, and Soil Cultivations of Bioactive Substance Producing Plants. <i>Sustainability</i> , 2022, 14, 2421.	3.2	13
7080	NaCl affects photosynthetic and stomatal dynamics by osmotic effects and reduces photosynthetic capacity by ionic effects in tomato. <i>Journal of Experimental Botany</i> , 2022, 73, 3637-3650.	4.8	16
7081	Root Reinforcement Improved Performance, Productivity, and Grain Bioactive Quality of Field-Droughted Quinoa (<i>Chenopodium quinoa</i>). <i>Frontiers in Plant Science</i> , 2022, 13, 860484.	3.6	15
7082	Light spectrum affects growth and flowering in petunia ‘Dark Red’. <i>Acta Horticulturae</i> , 2022, , 347-354.	0.2	0
7083	Appraisal of kinetin spraying strategy to alleviate the harmful effects of UVC stress on tomato plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 52378-52398.	5.3	20
7084	Changes in morpho-physiological traits of rice cultivars upon different fertilization regimes. <i>Journal of Plant Nutrition</i> , 2022, 45, 2801-2815.	1.9	1

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7085	Net ecosystem CO ₂ exchange from jute crop (<i>Corchorus olitorius</i> L.) and its environmental drivers in tropical Indo-Gangetic plain using open-path eddy covariance technique. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 251.	2.7	3
7086	Removal of Reactive Black 5 Dye by Banana Peel Biochar and Evaluation of Its Phytotoxicity on Tomato. <i>Sustainability</i> , 2022, 14, 4176.	3.2	27
7087	Physiological and Biochemical Responses of Bicarbonate Supplementation on Biomass and Lipid Content of Green Algae <i>Scenedesmus</i> sp. BHU1 Isolated From Wastewater for Renewable Biofuel Feedstock. <i>Frontiers in Microbiology</i> , 2022, 13, 839800.	3.5	16
7088	Temperature gradient storage induced biochemical and molecular changes in mango (<i>Mangifera indica</i>) Tj ETQq1 1,0,784314 rgBT /Over	2.1	4
7089	Aloe vera gel coating delays softening and maintains quality of stored persimmon (<i>Diospyros kaki</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	5
7090	Leaf Pigments, Surface Wax and Spectral Vegetation Indices for Heat Stress Resistance in Pea. <i>Agronomy</i> , 2022, 12, 739.	3.0	2
7091	Grafting-induced transcriptome changes and long-distance mRNA movement in the potato/ <i>Datura stramonium</i> heterograft system. <i>Horticulture Environment and Biotechnology</i> , 2022, 63, 229-238.	2.1	2
7092	Enhancement of drought tolerance in <i>Arabidopsis</i> plants induced by sulfur dioxide. <i>Ecotoxicology</i> , 2022, 31, 637-648.	2.4	5
7093	Morpho-Physiological Attributes of Different Maize (<i>Zea mays</i> ÅL.) Genotypes Under Varying Salt Stress Conditions. <i>Gesunde Pflanzen</i> , 2022, 74, 661-673.	3.0	2
7094	Trehalose Alleviated Salt Stress in Tomato by Regulating ROS Metabolism, Photosynthesis, Osmolyte Synthesis, and Trehalose Metabolic Pathways. <i>Frontiers in Plant Science</i> , 2022, 13, 772948.	3.6	22
7095	Microalgae as a Natural CO ₂ Sequester: A Study on Effect of Tobacco Smoke on Two Microalgae Biochemical Responses. <i>Frontiers in Energy Research</i> , 2022, 10, .	2.3	3
7096	CRISPR/Cas9-mediated Pâ€CR domainâ€specific engineering of CESA4 heterodimerization capacity alters cell wall architecture and improves saccharification efficiency in poplar. <i>Plant Biotechnology Journal</i> , 2022, 20, 1197-1212.	8.3	11
7097	Microalga Biofertilizer Triggers Metabolic Changes Improving Onion Growth and Yield. <i>Horticulturae</i> , 2022, 8, 223.	2.8	6
7098	Examining the Potential of Enzyme-Based Detergents to Remove Biofouling from Limestone Heritage. <i>Coatings</i> , 2022, 12, 375.	2.6	0
7099	Collaborative Impact of Compost and Beneficial Rhizobacteria on Soil Properties, Physiological Attributes, and Productivity of Wheat Subjected to Deficit Irrigation in Salt Affected Soil. <i>Plants</i> , 2022, 11, 877.	3.5	27
7100	Bacterial Diversity and Dominant Spoilage Microorganisms in Fresh-Cut Broccoli. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3370.	2.5	2
7101	WHIRLY1 functions in the nucleus to regulate barley leaf development and associated metabolite profiles. <i>Biochemical Journal</i> , 2022, 479, 641-659.	3.7	2
7102	Storage Stability of Nutritional Qualities, Enzyme Activities, and Volatile Compounds of â€œHangjiao No. 2â€Chili Pepper Treated With Different Concentrations of 1-Methyl Cyclopropene. <i>Frontiers in Plant Science</i> , 2022, 13, 838916.	3.6	6

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7103	Enhancement of growth and biomolecules (carbohydrates, proteins, and chlorophylls) of isolated <i>Chlorella thermophila</i> using optimization tools. Preparative Biochemistry and Biotechnology, 2022, 52, 1173-1189.	1.9	3
7104	Biological Effect of Gamma Rays According to Exposure Time on Germination and Plant Growth in Wheat. Applied Sciences (Switzerland), 2022, 12, 3208.	2.5	14
7105	Physiological and Biochemical Behaviours and Antioxidant Response of <i>Helianthus annuus</i> under Lanthanum and Cerium Stress. Sustainability, 2022, 14, 4153.	3.2	9
7106	Photosynthetic response of lutein-deficient mutant <i>lut2</i> of <i>Arabidopsis thaliana</i> to low temperature at high light. Photosynthetica, 2022, 60, 110-120.	1.7	3
7107	Voltage generation by photosystem I complexes immobilized onto a millipore filter under continuous illumination. International Journal of Hydrogen Energy, 2022, 47, 11528-11538.	7.1	4
7108	Nitrate Reductase is Needed for Methyl Jasmonate-Mediated Arsenic Toxicity Tolerance of Rice by Modulating the Antioxidant Defense System, Glyoxalase System and Arsenic Sequestration Mechanism. Journal of Plant Growth Regulation, 2023, 42, 1107-1119.	5.1	24
7109	An ecotoxicological approach can complement the assessment of natural waters from Portuguese reservoirs?. Environmental Science and Pollution Research, 2022, 29, 52147-52161.	5.3	5
7110	Shade moderates the drought stress on saplings of <i>Beneh</i> (<i>Pistacia atlantica</i> Desf. subsp. <i>mutica</i>) in semiarid areas of Iran. Environmental Science and Pollution Research, 2022, 29, 55201-55212.	5.3	1
7111	Transcriptomic analysis of <i>Vigna radiata</i> in response to chilling stress and uniconazole application. BMC Genomics, 2022, 23, 205.	2.8	9
7112	Salicylic acid alleviates oxidative stress and lipid peroxidation caused by clopyralid herbicide in Indian mustard plants. Acta Physiologiae Plantarum, 2022, 44, 1.	2.1	3
7114	The Joint Toxicity of Organic Three-dimensional Layered Double Hydroxide and Methyl Orange to Green Algae <i>Chlorella Vulgaris</i> . Bulletin of Environmental Contamination and Toxicology, 2022, 108, 1098-1103.	2.7	3
7115	Response of Three <i>Miscanthus Æ— giganteus</i> Cultivars to Toxic Elements Stress: Part 2, Comparison between Two Growing Seasons. Plants, 2022, 11, 945.	3.5	7
7116	Fine Mapping and Candidate Gene Analysis of <i>BnC08.cds</i> , a Recessive Gene Responsible for Sepal-Specific Chlorophyll-Deficiency in <i>Brassica napus</i> L. Frontiers in Plant Science, 2022, 13, 850330.	3.6	0
7117	Hydrogen peroxide and saline nutrient solution in hydroponic zucchini culture. Semina:Ciencias Agrarias, 2022, 42, 1167-1186.	0.3	1
7118	Investigation of the allelopathic effects of lyophilized ethanol extract of <i>Xanthoparmelia somloensis</i> (Gyelnik) Hale lichen on tomato plant. Anatolian Journal of Botany, 0, , .	0.7	2
7119	Physicochemical characterization and functional properties of flours from Northwestern Argentina bean (<i>Phaseolus vulgaris</i> L.) cultivars. Cereal Chemistry, 0, , .	2.2	3
7120	Potassium and Silicon Synergistically Increase Cadmium and Lead Tolerance and Phytostabilization by Quinoa through Modulation of Physiological and Biochemical Attributes. Toxics, 2022, 10, 169.	3.7	9
7121	Increasing the cell productivity of mixotrophic growth of <i>Spirulina</i> sp. LEB 18 with crude glycerol. Biomass Conversion and Biorefinery, 0, , 1.	4.6	0

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7122	Physiological parameters indicate remarkable survival mechanisms of <i>Sanguisorba minor</i> Scop. on metalliferous and non-metalliferous sites. <i>Biologia (Poland)</i> , 2022, 77, 1915-1929.	1.5	1
7123	Alteration of physiological and biochemical properties in leaves and fruits of pomegranate in response to gamma irradiation. <i>Scientific Reports</i> , 2022, 12, 4312.	3.3	5
7124	Species-specific growth, morphological and physiological responses of <i>Abies faxoniana</i> and <i>Picea purpurea</i> under elevated temperature and CO ₂ . <i>Journal of Plant Ecology</i> , 2023, 16, .	2.3	0
7125	Current Perspective Concerning the Potential Value of Chloroplast Lipidome in Assessing Moss Response to Abiotic Stress During Boreal Forest Regeneration. <i>Frontiers in Forests and Global Change</i> , 2022, 5, .	2.3	0
7126	The Inclusion of Green Light in a Red and Blue Light Background Impact the Growth and Functional Quality of Vegetable and Flower Microgreen Species. <i>Horticulturae</i> , 2022, 8, 217.	2.8	17
7127	The Application of Fish Wastewater to Improve the Plant Growth, Development and Yield of Lettuce (<i>Lactuca sativa</i> L.). <i>International Journal of Agriculture Environment and Food Sciences</i> , 0, , 100-107.	0.6	0
7128	Developing Hyperspectral Indices for Assessing Seasonal Variations in the Ratio of Chlorophyll to Carotenoid in Deciduous Forests. <i>Remote Sensing</i> , 2022, 14, 1324.	4.0	11
7129	The effect of different levels of urea and planting density on the phytochemical characteristics, alkaloids, and yield of the medicinal plant jimsonweed (<i>Datura stramonium</i> L.). <i>Crop Science</i> , 2022, 62, 1264-1276.	1.8	2
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7132	Application of a Biostimulant (Pepton) Based in Enzymatic Hydrolyzed Animal Protein Combined With Low Nitrogen Priming Boosts Fruit Production Without Negatively Affecting Quality in Greenhouse-Grown Tomatoes. <i>Frontiers in Plant Science</i> , 2022, 13, 828267.	3.6	4
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7134	Effect of LED on growth and quality of sweet and purple basil, parsley and coriander. <i>Acta Horticulturae</i> , 2022, , 225-232.	0.2	0
7135	Leaf Coloration in <i>Acer palmatum</i> Is Associated with a Positive Regulator ApMYB1 with Potential for Breeding Color-Leafed Plants. <i>Plants</i> , 2022, 11, 759.	3.5	3
7136	Biochar increases salt tolerance and grain yield of quinoa on saline-sodic soil: multivariate comparison of physiological and oxidative stress attributes. <i>Journal of Soils and Sediments</i> , 2022, 22, 1446-1459.	3.0	15
7137	Carotenoid production of <i>Botryococcus braunii</i> CCAP 807/2 under different growth conditions. <i>Journal of Applied Phycology</i> , 2022, 34, 1177-1188.	2.8	4
7138	Role of Wheat Phosphorus Starvation Tolerance 1 Genes in Phosphorus Acquisition and Root Architecture. <i>Genes</i> , 2022, 13, 487.	2.4	7
7139	Physiological and biochemical analysis of barley (<i>Hordeum vulgare</i>) genotypes with contrasting salt tolerance. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	2.1	3
7140	Trimeric photosystem I facilitates energy transfer from phycobilisomes in <i>Synechocystis</i> sp. PCC 6803. <i>Plant Physiology</i> , 2022, 189, 827-838.	4.8	7

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7141	Effect of Deficiency of Cryptochromes 1 and 2 on Photosynthetic Activity and Pro-Antioxidant Balance in <i>Arabidopsis thaliana</i> Leaves under the Action of UV-B. Russian Journal of Plant Physiology, 2022, 69, 1.	1.1	2
7142	Valorization of Moroccan <i>Pistacia lentiscus</i> L. Leaves: Phytochemical and In Vitro Antioxidant Activity Evaluation Compared to Different Altitudes. Scientific World Journal, The, 2022, 2022, 1-10.	2.1	2
7143	Influence of Carbon Sources on Biomass and Biomolecule Accumulation in <i>Picochlorum</i> sp. Cultured under the Mixotrophic Condition. International Journal of Environmental Research and Public Health, 2022, 19, 3674.	2.6	19
7144	Organik GÄ¼bre ve Bor UygulamalarÄ±n MayÄ±s PapatyasÄ± (<i>Matricaria recutita</i> L.)â€™n Fide GeliÅŸimi ve Biyokimyasal Parametreleri Açæzerine Etkileri. ISPEC Journal of Agricultural Sciences, 2022, 6, 20-31.	0.2	0
7145	Physiological attributes and transcriptomics analyses reveal the mechanism response of <i>Helictotrichon virescens</i> to low temperature stress. BMC Genomics, 2022, 23, 280.	2.8	4
7146	Hydrogen sulphide ameliorates hexavalent chromium toxicity in two cereal crops: Role of antioxidant enzymes and proline metabolism. Plant Biology, 2022, 24, 636-641.	3.8	4
7147	Assessment of graphene oxide toxicity on the growth and nutrient levels of white clover (<i>Trifolium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	6.0	11
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7551	Synergistic Interaction between Symbiotic N ₂ Fixing Bacteria and <i>Bacillus</i> strains to Improve Growth, Physiological Parameters, Antioxidant Enzymes and Ni Accumulation in Faba Bean Plants (<i>Vicia faba</i>) under Nickel Stress. <i>Plants</i> , 2022, 11, 1812.	3.5	3
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7567	Co-Inoculation with <i>Azospirillum brasilense</i> and <i>Bradyrhizobium</i> sp. Enhances Nitrogen Uptake and Yield in Field-Grown Cowpea and Did Not Change N-Fertilizer Recovery. <i>Plants</i> , 2022, 11, 1847.	3.5	4
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7570	Morphological, biochemical, and nutritional value of prickly and smooth fruit spinach. <i>Acta Agriculturae Slovenica</i> , 2022, 118, 1.	0.3	0
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7721	Exogenous Coumarin Decreases Phytotoxic Effects of Manganese by Regulating Ascorbateâ€“Glutathione Cycle and Glyoxalase System to Improve Photosynthesis and Nutrient Acquisition in Sesame (<i>Sesamum indicum</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , 2023, 23, 251-274.	3.4	13
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7994	Green compost amendment improves potato plant performance on Mars regolith simulant as substrate for cultivation in space. Plant and Soil, 2023, 486, 217-233.	3.7	3
7995	A sustainable utilization of aquaculture wastewater for the production of commercially important tilapia fish and plants (mint and chickpea) in improved integrated aqua-agriculture system. Bioresource Technology Reports, 2023, 21, 101313.	2.7	0
7996	Metabolomic and transcriptomic analysis reveal high solar irradiance inhibited the melanin formation in persimmon fruit peel. Environmental and Experimental Botany, 2023, 207, 105218.	4.2	4
7997	Hydrogen sulfide regulates NaCl tolerance in brinjal and tomato seedlings by Na+/K+ homeostasis and nitrogen metabolism. Plant Stress, 2023, 7, 100129.	5.5	1
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7999	Saline pisciculture effluent as an alternative for irrigation of Croton blanchetianus (Euphorbiaceae). Revista Brasileira De Engenharia Agricola E Ambiental, 2023, 27, 256-263.	1.1	2

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8001	Green tea processing by pan-firing from region-specific tea (<i>Camellia sinensis</i> L.) cultivars - a novel approach to sustainable tea production in Dooars region of North Bengal. , 2023, 2, 100181.		2
8002	Photosynthetically produced sucrose by immobilized <i>Synechocystis</i> sp. PCC 6803 drives biotransformation in <i>E. coli</i> . , 2022, 15, .		3
8003	Role of Thylakoid Lipids in Protochlorophyllide Oxidoreductase Activation: Allosteric Mechanism Elucidated by a Computational Study. <i>International Journal of Molecular Sciences</i> , 2023, 24, 307.	4.1	0
8004	Adaptation and Morphological State of Different Forms of Pine under Conditions of Constant Excessive Moisture in Soils of the Northern Taiga. <i>Contemporary Problems of Ecology</i> , 2022, 15, 928-937.	0.7	0
8005	OsChlC1, a Novel Gene Encoding Magnesium-Chelating Enzyme, Affects the Content of Chlorophyll in Rice. <i>Agronomy</i> , 2023, 13, 129.	3.0	1
8007	Preparation of Seaweed Nanopowder Particles Using Planetary Ball Milling and Their Effects on Some Secondary Metabolites in Date Palm (<i>Phoenix dactylifera</i> L.) Seedlings. <i>Life</i> , 2023, 13, 39.	2.4	6
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8012	Photosynthetic response of sweet potato (<i>Ipomoea batatas</i>) to photon flux density and elevated carbon dioxide. , 2017, 87, .		3
8013	Exploring the potential of transmittance vegetation indices for leaf functional traits retrieval. <i>GIScience and Remote Sensing</i> , 2023, 60, .	5.9	2
8014	Tolerance and sensitivity of <i>Inga marginata</i> and <i>Allophylus edulis</i> to copper excess. <i>Trees - Structure and Function</i> , 2023, 37, 781-796.	1.9	1
8015	Studying Whole-Genome Duplication Using Experimental Evolution of <i>Spirodela polyrhiza</i> . <i>Methods in Molecular Biology</i> , 2023, , 373-390.	0.9	3
8016	Physiological responses induced by phospholipase C isoform 5 upon heat stress in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	2
8017	Salinity Stress Influences the Main Biochemical Parameters of <i>Nepeta racemosa</i> Lam.. <i>Plants</i> , 2023, 12, 583.	3.5	6
8018	Response of photosynthesis, the xanthophyll cycle, and wax in Japanese yew (<i>Taxus cuspidata</i> L.) seedlings and saplings under high light conditions. <i>PeerJ</i> , 0, 11, e14757.	2.0	3

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8019	Evaluation of Physio-Morphological and Biochemical Responses for Salt Tolerance in Wheat (Triticum) Tj ETQq0 0 0,784314 rgBT /Overlock 10 T	2.1	3
8020	Anthropogenic Dusts Influence Leaf Anatomical and Eco-Physiological Traits of Black Locust (Robinia) Tj ETQq1 1 0,784314 rgBT /Overlock 10 T	2.1	2
8021	Trichoderma longibrachiatum, a biological control agent of Sclerotium cepivorum on onion plants under salt stress. Biological Control, 2023, 180, 105168.	3.0	2
8022	Bioactive Natural Pigmentsâ€™ Extraction, Isolation, and Stability in Food Applications. Molecules, 2023, 28, 1200.	3.8	8
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8026	Selenium Increases Photosynthetic Pigments, Flavonoid Biosynthesis, Nodulation, and Growth of Soybean Plants (Glycine max L.). Journal of Soil Science and Plant Nutrition, 0, , .	3.4	6
8027	Influence of Light of Different Spectral Compositions on Growth Parameters, Photosynthetic Pigment Contents and Gene Expression in Scots Pine Plantlets. International Journal of Molecular Sciences, 2023, 24, 2063.	4.1	3
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8031	Irradiation and nitrogen regulate growth and physiology in Horsfieldia hainanensis seedlings. Biologia Plantarum, 0, 67, 19-27.	1.9	0
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8033	Harnessing Genetic Variation in Physiological and Molecular Traits to Improve Heat Tolerance in Food Legumes. , 2023, , 27-69.		0
8034	Are silver nanoparticles the “silver bullet” to promote diterpene production in Stevia rebaudiana?. Plant Cell, Tissue and Organ Culture, 2023, 155, 447-453.	2.3	3
8035	Photosynthetic Gains in Super-Nodulating Mutants of Medicago truncatula under Elevated Atmospheric CO2 Conditions. Plants, 2023, 12, 441.	3.5	1
8036	Evaluation of rootstocks resistant to gummy stem blight and their effect on the fruit yield and quality traits of grafted watermelon (<i>Citrullus lanatus</i>) (Thunb.) Matsum. & Nakai). Journal of Horticultural Science and Biotechnology, 2023, 98, 635-648.	1.9	2

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8037	A new vegetation index combination for leaf carotenoid-to-chlorophyll ratio: minimizing the effect of their correlation. <i>International Journal of Digital Earth</i> , 2023, 16, 272-288.	3.9	3
8038	Essential oil composition and total phenolic content in <i>Cupressus arizonica</i> G. in response to microbial inoculation under water stress conditions. <i>Scientific Reports</i> , 2023, 13, .	3.3	8
8039	Spectral quality influence on in vitro morphophysiological responses of <i>Eucalyptus dunnii</i> Maiden and <i>Eucalyptus grandis</i> W.Hill ex Maiden – <i>E. urophylla</i> S.T.Blake. <i>New Zealand Journal of Forestry Science</i> , 0, 53, .	0.8	0
8040	Activity of Essential Oils and Plant Extracts as Biofungicides for Suppression of Soil-Borne Fungi Associated with Root Rot and Wilt of Marigold (<i>Calendula officinalis</i> L.). <i>Horticulturae</i> , 2023, 9, 222.	2.8	11
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8043	Volatile compounds, bioactive properties and chlorophylls contents in dried spearmint (<i>Mentha</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	0.4	0
8044	Assessment of growth, metallic ion accumulation, and translocation of lavandin (<i>Lavandula</i> –) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50	0.4	0
8045	<i>Moringa oleifera</i> L. Microgreens and their Antioxidant Activity. <i>E3S Web of Conferences</i> , 2023, 374, 00018.	0.5	0
8046	Carotenoid Profile of Freshwater Microalgae <i>Mychonastes racemosus</i> AUP1 and its Antioxidant properties. <i>Research Journal of Pharmacy and Technology</i> , 2023, , 404-410.	0.8	0
8047	Preparation of Zn~Gly and Se~Gly and Their Effects on the Nutritional Quality of Tea (<i>Camellia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	3.5	4
8048	Silicon Actuates Poplar Calli Tolerance after Longer Exposure to Antimony. <i>Plants</i> , 2023, 12, 689.	3.5	1
8049	Foliar Application of Oil Palm Wood Vinegar Enhances <i>Pandanus amaryllifolius</i> Tolerance under Drought Stress. <i>Plants</i> , 2023, 12, 785.	3.5	3
8050	Protective Effects of Sodium Nitroprusside on Photosynthetic Performance of <i>Sorghum bicolor</i> L. under Salt Stress. <i>Plants</i> , 2023, 12, 832.	3.5	6
8051	Expression of the Arabidopsis Mg-chelatase H subunit alleviates iron deficiency-induced stress in transgenic rice. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	3
8052	Salt stress improves the low-temperature tolerance in sugar beet in which carbohydrate metabolism and signal transduction are involved. <i>Environmental and Experimental Botany</i> , 2023, 208, 105239.	4.2	8
8053	Co-active impact of surface hydroxyls on the solvation shell and dye adsorption of <i>Mitragyna Speciosa</i> chlorophyll molecules in dye-sensitised solar cells. <i>Journal of the Iranian Chemical Society</i> , 0, , .	2.2	0
8054	Polyploidy and zinc oxide nanoparticles alleviated Cd toxicity in rice by modulating oxidative stress and expression levels of sucrose and metal-transporter genes. <i>Journal of Hazardous Materials</i> , 2023, 448, 130991.	12.4	30

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8056	<i>Micractinium lacustre</i> and <i>M. thermotolerans</i> spp. nov. (Trebouxiophyceae, Chlorophyta): Taxonomy, temperature-dependent growth, photosynthetic characteristics and fatty acid composition. <i>Algal Research</i> , 2023, 71, 103042.	4.6	3
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8058	Joint effects of gamma radiation and zinc on duckweed <i>Lemna minor</i> L.. <i>Aquatic Toxicology</i> , 2023, 257, 106438.	4.0	1
8059	Highlight Induced Transcriptional Priming against a Subsequent Drought Stress in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 6608.	4.1	2
8060	Intra-Species Variations of Bioactive Compounds of Two Dictyota Species from the Adriatic Sea: Antioxidant, Antimicrobial, Dermatological, Dietary, and Neuroprotective Potential. <i>Antioxidants</i> , 2023, 12, 857.	5.1	3
8061	The photosynthetic function analysis for leaf photooxidation in rice. <i>Photosynthetica</i> , 2023, 61, 48-57.	1.7	1
8062	Effects of Light-Emitting Diodes (LEDs) on Growth, Nitrates and Osmoprotectant Content in Microgreens of Aromatic and Medicinal Plants. <i>Horticulturae</i> , 2023, 9, 494.	2.8	3
8063	PROGRAMMED CELL DEATH8 interacts with tetrapyrrole biosynthesis enzymes and ClpC1 to maintain homeostasis of tetrapyrrole metabolites in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2023, 238, 2545-2560.	7.3	1
8064	Integrated strength of osmotic potential and phosphorus to achieve grain yield of rice under water deficit by arbuscular mycorrhiza fungi. <i>Scientific Reports</i> , 2023, 13, .	3.3	1
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8067	Resistance mechanisms of <i>Hydrocotyle ranunculoides</i> to Cr(VI): A biofilter plant. <i>Journal of Cleaner Production</i> , 2023, 405, 136721.	9.3	1
8068	Tryptophan pretreatment adjusts transcriptome and metabolome profiles to alleviate cadmium toxicity in <i>Arabidopsis</i> . <i>Journal of Hazardous Materials</i> , 2023, 452, 131226.	12.4	1
8069	Ambiguous changes in photosynthetic parameters of <i>Lemna minor</i> L. after short-term exposure to naproxen and paracetamol: Can the risk be ignored?. <i>Aquatic Toxicology</i> , 2023, 259, 106537.	4.0	1
8070	Solar water splitting Pt-nanoparticle photosystem I thylakoid systems: Catalyst identification, location and oligomeric structure. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2023, 1864, 148974.	1.0	2
8071	A new targeted approach of postharvest accumulation of anthocyanin in fragrant leaves of <i>Melissa officinalis</i> L. <i>Industrial Crops and Products</i> , 2023, 196, 116479.	5.2	1
8072	Sustainable fabrication of hybrid silver-copper nanocomposites (Ag-CuO NCs) using <i>Ocimum americanum</i> L. as an effective regime against antibacterial, anticancer, photocatalytic dye degradation and microalgae toxicity. <i>Environmental Research</i> , 2023, 228, 115867.	7.5	7

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8075	Efficient removal of thiamethoxam by freshwater microalgae <i>Scenedesmus</i> sp. TXH: Removal mechanism, metabolic degradation and application. Journal of Environmental Management, 2023, 332, 117388.	7.8	5
8076	Insights into profiling of p-coumaric acid treatment on delaying the yellowing of broccoli. Postharvest Biology and Technology, 2023, 201, 112371.	6.0	2
8079	Beneficial properties of <i>Drimys numidica</i> leaf methanolic extract against the cytogenotoxic effects of mitomycin C on human lymphocytes. Food and Chemical Toxicology, 2023, 173, 113626.	3.6	2
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8081	Improving the uptake of PAHs by the ornamental plant <i>Sedum spectabile</i> using nano-SiO ₂ and nano-CeO ₂ . Science of the Total Environment, 2023, 870, 161808.	8.0	4
8082	Improving the Quality of Reclaimed Water via Applying <i>Spirulina platensis</i> to Eliminate Residual Nitrate. International Journal of Environmental Research and Public Health, 2023, 20, 2117.	2.6	4
8083	Pt rb ZIP3 transcription factor regulates drought tolerance of <i>Populus trichocarpa</i> . Environmental and Experimental Botany, 2023, 208, 105231.	4.2	2
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8088	Identification and haplotype analysis of SiCHL1: a gene for yellowâ€“green seedling as morphological marker to accelerate foxtail millet (<i>Setaria italica</i>) hybrid breeding. Theoretical and Applied Genetics, 2023, 136, .	3.6	1
8089	Phytoremediation of dinitrophenol from wastewater by <i>Atriplex lentiformis</i> : effect of salicylic acid. International Journal of Phytoremediation, 2023, 25, 1558-1566.	3.1	2
8090	Constitutive expression of AtSINA2 from Arabidopsis improves grain yield, seed oil and drought tolerance in transgenic soybean. Plant Physiology and Biochemistry, 2023, 196, 444-453.	5.8	3
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8094	Chloroplast and outside-chloroplast interference of light inside leaves. Environmental and Experimental Botany, 2023, 208, 105258.	4.2	2
8095	Cooperative role of <scp>AtRsmD</scp> and <scp>AtRimM</scp> proteins in modification and maturation of <scp>16S rRNA</scp> in plastids. Plant Journal, 2023, 114, 310-324.	5.7	1
8096	High cell density culture of <i>Neochloris oleoabundans</i> in novel horizontal thin-layer algal reactor: Effects of localized aeration, nitrate concentration and mixing frequency. Biochemical Engineering Journal, 2023, 192, 108839.	3.6	2
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8100	Light on perennality: Para-dormancy is based on ABA-CA antagonism and endo-dormancy on the shutdown of CA biosynthesis. Plant, Cell and Environment, 2023, 46, 1785-1804.	5.7	4
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8102	Changes in physio-biochemical parameters and expression of metallothioneins in <i>Avena sativa</i> L. in response to drought. Scientific Reports, 2023, 13, .	3.3	7
8103	Effects of Waterlogging Stress on the Neighboring Relationships between <i>Cleistocalyx operculatus</i> (Roxb.) Merr. and <i>Dalbergia odorifera</i> T. Chen Saplings. Forests, 2023, 14, 377.	2.1	1
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8105	Essential Oils and Biological Activities of <i>Eucalyptus falcata</i> , <i>E.Âsideroxylon</i> and <i>E. citriodora</i> Growing in Tunisia. Plants, 2023, 12, 816.	3.5	15
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8112	Utilization of <i>Chlorella</i> Biomass Grown in Waste Peels-Based Substrate for Simultaneous Production of Biofuel and Value-Added Products Under Microalgal Biorefinery Approach. <i>Waste and Biomass Valorization</i> , 0, , .	3.4	0
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8114	Effect of Seed Priming with Chitosan Hydrolysate on Lettuce (<i>Lactuca sativa</i>) Growth Parameters. <i>Molecules</i> , 2023, 28, 1915.	3.8	3
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8117	Pigment Production of <i>Chlamydomonas</i> Strains in Response to Norflurazon and ZnO Nanoparticles. <i>Fermentation</i> , 2023, 9, 193.	3.0	1
8118	Organic Fertilization with Biofertilizer Alters the Physical and Chemical Characteristics of Young <i>Cladodes</i> of <i>Opuntia stricta</i> (Haw.) Haw.. <i>Sustainability</i> , 2023, 15, 3841.	3.2	2
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8128	Conditioning of Scots pine (<i>Pinus sylvestris</i> L.) sowing material. <i>Scandinavian Journal of Forest Research</i> , 2023, 38, 1-8.	1.4	0

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8129	Clonal microplant production of <i>Corymbia maculata</i> : effect of chemical sterilisation, plant growth regulator, gas exchange, activated charcoal and lighting. <i>Southern Forests</i> , 2023, 85, 40-48.	0.7	1
8130	Integrating Application Methods and Concentrations of Salicylic Acid as an Avenue to Enhance Growth, Production, and Water Use Efficiency of Wheat under Full and Deficit Irrigation in Arid Countries. <i>Plants</i> , 2023, 12, 1019.	3.5	2
8131	Threshold or not: Spectral composition and light-intensity dependence of growth and metabolism in tomato seedlings. <i>Scientia Horticulturae</i> , 2023, 313, 111946.	3.6	8
8132	Nitrogen supply alleviates cold stress by increasing photosynthesis and nitrogen assimilation in maize seedlings. <i>Journal of Experimental Botany</i> , 2023, 74, 3142-3162.	4.8	2
8133	Ascorbate Attenuates Damages Caused by Paraquat-Induced Oxidative Stress in Fenugreek (<i>Trigonella</i>) Tj ETQq0 0.0 µgBT /Overlock 10	3.4	1
8134	The Impact of Pesticide Use on Tree Health in Riparian Buffer Zone. <i>Toxics</i> , 2023, 11, 235.	3.7	0
8135	Potential of coal fly ash as low-cost culture medium for cultivation of microalgae chlorococum and sustainable nutrient recovery from CFA culture medium. <i>Environment, Development and Sustainability</i> , 2024, 26, 8045-8063.	5.0	1
8136	Performance reaction and biochemical properties of black cumin under the influence of different regimes of nitrogen, menthol and drought stress. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2023, 71, 15-33.	0.4	0
8137	Cultivation of a marine diatom, <i>Amphora</i> sp., in municipal wastewater for enhancing lipid production toward sustainable biofuel production. <i>South African Journal of Botany</i> , 2023, 155, 288-297.	2.5	3
8138	Rapid screening of pea (<i>Pisum sativum</i>) genotypes against aluminium toxicity. , 2023, 93, .		0
8139	Ante- and post-mortem cellular injury dynamics in hybrid poplar foliage as a function of phytotoxic O ₃ dose. <i>PLoS ONE</i> , 2023, 18, e0282006.	2.5	1
8140	Exogenous Melatonin Enhances the Yield and Secondary Metabolite Contents of <i>Prunella vulgaris</i> by Modulating Antioxidant System, Root Architecture and Photosynthetic Capacity. <i>Plants</i> , 2023, 12, 1129.	3.5	9
8141	Phytomitigation potential and adaptive responses of helophyte <i>Typha latifolia</i> L. to copper smelter-influenced heavily multi-metal contamination. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0
8142	Glyoxalase I Assay as a Possible Tool for Evaluation of Biological Activity of Antioxidant-Rich Plant Extracts. <i>Plants</i> , 2023, 12, 1150.	3.5	2
8143	Silicon modulate the non-enzymatic antioxidant defence system and oxidative stress in a similar way as boron in boron-deficient cotton flowers. <i>Plant Physiology and Biochemistry</i> , 2023, 197, 107594.	5.8	5
8144	Qualitative and Quantitative Studies on Biopigment Producing Algal Regime from Marine Water Resources of Sundarban Region. <i>Journal of Pure and Applied Microbiology</i> , 2023, 17, 576-589.	0.9	2
8145	Vitamin C biofortification of broccoli microgreens and resulting effects on nutrient composition. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	5
8146	Organic fragments of k-carrageenan, lipids and peptides plus K-rich inorganic fraction in <i>Kappaphycus alvarezii</i> biomass are responsible for growth stimulus in rice plant when applied both foliar and root pathway. <i>Algal Research</i> , 2023, 71, 103040.	4.6	4

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8147	Variation in Leaf Pigment Complex Traits of Wetland Plants Is Related to Taxonomy and Life Forms. <i>Diversity</i> , 2023, 15, 372.	1.7	2
8148	Non-negligible Effect of Native Rhizobacteria on Cooperation with Plant Growth Regulators Improve Tolerance to Cadmium: A Case Study Using Duckweed <i>Spirodela polyrhiza</i> as Indicating Plant. <i>Journal of Plant Growth Regulation</i> , 0, , .	5.1	1
8149	Methodological advances and future directions of microalgal bioassays for evaluation of potential toxicity in environmental samples: A review. <i>Environment International</i> , 2023, 173, 107869.	10.0	5
8150	Copper stress-induced phytotoxicity associated with photosynthetic characteristics and lignin metabolism in wheat seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2023, 254, 114739.	6.0	9
8152	Assessment of Salicylic Acid as a Pretreatment on Alleviating Cadmium Toxicity on In Vitro Banana Shoots. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 5700-5712.	5.1	1
8153	Differences in eco-physiological responses to the removal of adventitious roots between <i>Syzygium nervosum</i> A. Cunn. ex DC. and <i>Syzygium cumini</i> (L.) Skeels saplings under waterlogging. <i>Annals of Forest Science</i> , 2023, 80, .	2.0	1
8154	Transcriptomic and metabolomic analysis reveals that symbiotic nitrogen fixation enhances drought resistance in common bean. <i>Journal of Experimental Botany</i> , 2023, 74, 3203-3219.	4.8	4
8155	Feasibility as feedstock of the cyanobacterium <i>Chroococcidiopsis</i> sp. 029 cultivated with urine-supplemented moon and mars regolith simulants. <i>Algal Research</i> , 2023, 71, 103044.	4.6	5
8156	Biocomposite Coatings Delay Senescence in Stored <i>Diospyros kaki</i> Fruits by Regulating Antioxidant Defence Mechanism and Delaying Cell Wall Degradation. <i>Horticulturae</i> , 2023, 9, 351.	2.8	2
8157	Magnetic water irrigation changes physiological traits and stress tolerance of <i>Salvia virgata</i> under saline conditions. <i>Scientia Horticulturae</i> , 2023, 314, 111935.	3.6	4
8158	Combined effect of Zinc lysine and biochar on growth and physiology of wheat (<i>Triticum aestivum</i> L.) to alleviate salinity stress. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	11
8159	THE EFFECT OF GLUCOSE AND SUCROSE ON THE PHOTOSYNTHETIC PIGMENTS CONTENT IN <i>ARABIDOPSIS THALIANA</i> UPON HEAT STRESS. <i>Bioloichni Systemy</i> , 2022, 14, 118-123.	0.1	0
8160	Uso da magnetita no processo de adsorção de nutrientes em alface (Lactuca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262 T	0.1	0
8161	The importance of plant growth-promoting rhizobacteria to increase air pollution tolerance index (APTI) in the plants of green belt to control dust hazards. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	3
8162	Melatonin-mediated endogenous nitric oxide coordinately boosts stability through proline and nitrogen metabolism, antioxidant capacity, and Na ⁺ /K ⁺ transporters in tomato under NaCl stress. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	16
8163	Influence of vegetation on occurrence and color of snow algal blooms in Mt. Gassan, Yamagata Prefecture, Japan. <i>Arctic, Antarctic, and Alpine Research</i> , 2023, 55, .	1.1	2
8164	Astaxanthin as a King of Ketocarotenoids: Structure, Synthesis, Accumulation, Bioavailability and Antioxidant Properties. <i>Marine Drugs</i> , 2023, 21, 176.	4.6	15
8165	Reducing the Adverse Effects of Salt Stress by Utilizing Compost Tea and Effective Microorganisms to Enhance the Growth and Yield of Wheat (<i>Triticum aestivum</i> L.) Plants. <i>Agronomy</i> , 2023, 13, 823.	3.0	3

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8166	Promoter Cis-Element Analyses Reveal the Function of $\hat{1}\pm$ VPE in Drought Stress Response of Arabidopsis. <i>Biology</i> , 2023, 12, 430.	2.8	3
8167	The inoculation with Ensifer meliloti sv. rigiduloides improves considerably the growth of Robinia pseudoacacia under lead-stress. <i>Plant and Soil</i> , 2024, 497, 119-137.	3.7	1
8168	Analysis of durum wheat photosynthetic organs during grain filling reveals the ear as a water stress-tolerant organ and the peduncle as the largest pool of primary metabolites. <i>Planta</i> , 2023, 257, .	3.2	8
8169	Acetic acid enhances drought tolerance more in female than in male willows. <i>Physiologia Plantarum</i> , 2023, 175, .	5.2	3
8170	Physiological and biochemical regulation of tobacco by oxathiapiprolin under <i>Phytophthora nicotianae</i> infection. <i>Physiologia Plantarum</i> , 2023, 175, .	5.2	1
8171	Galactoglucomannan oligosaccharides alleviate cadmium toxicity by improving physiological processes in maize. <i>Ecotoxicology and Environmental Safety</i> , 2023, 255, 114777.	6.0	1
8172	Evaluation of Biochemical Indices to Introduce Superior Genotypes of Sugar Beet (<i>Beta Vulgaris</i> L.) under Water Deficit Stress. <i>Journal of Crop Breeding</i> , 2021, 13, 219-227.	0.1	0
8173	Investigation of some Biochemical Traits of Tolerant and Sensitive Wheat Cultivars (<i>Triticum</i>) Tj ETQq1 1 0.784314rgBT /Overlock 10	0.1	2
8174	Preparation and characterization of CO_2 / O_2 selective facilitated transport films by coating polyvinyl alcohol/polyethylene glycol/aminated sodium lignosulfonate on TiO_2 / ZnO -modified LDPE/. <i>Journal of Applied Polymer Science</i> , 0, , .	2.6	0
8177	Bacilli Rhizobacteria as Biostimulants of Growth and Production of Sesame Cultivars under Water Deficit. <i>Plants</i> , 2023, 12, 1337.	3.5	1
8178	Orthosilicic acid and Seaweed Extract Alleviate the Deteriorative Effects of High Temperature Stress in <i>Brassica juncea</i> (L.) Czern & Coss.. <i>Silicon</i> , 2023, 15, 4909-4919.	3.3	2
8179	Salicylic acid phytohormone as a new potential for adaptation and improvement of metabolic responses of fodder species under separate and combined impact of salinity and Fe deficiency constraints. , 2023, , 249-263.		0
8180	Appropriate Application Methods for Salicylic Acid and Plant Nutrients Combinations to Promote Morpho-Physiological Traits, Production, and Water Use Efficiency of Wheat under Normal and Deficit Irrigation in an Arid Climate. <i>Plants</i> , 2023, 12, 1368.	3.5	3
8181	Responses of maize hybrids to water stress conditions at different developmental stages: accumulation of reactive oxygen species, activity of enzymatic antioxidants and degradation in kernel quality traits. <i>PeerJ</i> , 0, 11, e14983.	2.0	2
8182	NaCl stress mediated lipid and carotenoid production in freshwater microalga <i>Kirchneriella obesa</i> by optimization of medium composition using response surface methodology. <i>Biofuels</i> , 2023, 14, 883-894.	2.4	0
8183	Physiological Response of Nutrient-Stressed <i>Lemna gibba</i> to Pulse Colloidal Silver Treatment. <i>Plants</i> , 2023, 12, 1367.	3.5	0
8184	Effects of salt stress on interspecific competition between an invasive alien plant <i>Oenothera biennis</i> and three native species. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	1
8185	Oxidative stress induced by fluorine in <i>Xanthoria parietina</i> (L.) Th. Fr.. <i>International Journal of Secondary Metabolite</i> , 0, , 124-136.	1.3	0

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8188	Temperature influences glyphosate efficacy on glyphosate-resistant and -susceptible goosegrass (<i>Eleusine indica</i>). <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	2
8189	The Role of Chitosan in Improvisation the Drought Stress in <i>Carum copticum</i> through Biochemical and Essential Oil Components. <i>Russian Journal of Plant Physiology</i> , 2022, 69, .	1.1	1
8190	Effects of LED Lights and New Long-Term-Release Fertilizers on Lettuce Growth: A Contribution for Sustainable Horticulture. <i>Horticulturae</i> , 2023, 9, 404.	2.8	1
8191	COMPARATIVE ANALYSIS OF THE INFLUENCE OF DIFFERENT BIOSTIMULATORS ON THE GERMINATION AND SPROUTING BEHAVIOUR OF FOUR WHEAT VARIETIES. <i>Journal of Applied Life Sciences and Environment</i> , 2023, 55/2022, 377-390.	0.3	1
8192	Melon yellow-green plant (Cmygp) encodes a Golden2-like transcription factor regulating chlorophyll synthesis and chloroplast development. <i>Theoretical and Applied Genetics</i> , 2023, 136, .	3.6	1
8193	Biosorption behavior of acid orange 7 dye onto <i>Cucumis sativus</i> peel biochar and its effect on growth of <i>Triticum aestivum</i> . <i>Environmental Progress and Sustainable Energy</i> , 2023, 42, .	2.3	1
8194	Effects of Phytotoxic Nonenolides, Stagonolide A and Herbarumin I, on Physiological and Biochemical Processes in Leaves and Roots of Sensitive Plants. <i>Toxins</i> , 2023, 15, 234.	3.4	0
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8196	Impact of cytotoxic plant naphthoquinones, juglone, plumbagin, lawsone and 2-methoxy-1,4-naphthoquinone, on <i>Chlamydomonas reinhardtii</i> reveals the biochemical mechanism of juglone toxicity by rapid depletion of plastoquinol. <i>Plant Physiology and Biochemistry</i> , 2023, 197, 107660.	5.8	3
8197	Priming Potato Plants with Melatonin Protects Stolon Formation under Delayed Salt Stress by Maintaining the Photochemical Function of Photosystem II, Ionic Homeostasis and Activating the Antioxidant System. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6134.	4.1	2
8198	Impact of additional green light and deficit in cryptochrome 1 on photosynthetic activity and pro-/antioxidant balance in <i>Arabidopsis thaliana</i> . <i>Photosynthetica</i> , 2023, 61, 215-224.	1.7	2
8199	Nutrient deficiency lowers photochemical and carboxylation efficiency in tobacco. <i>Theoretical and Experimental Plant Physiology</i> , 2023, 35, 81-97.	2.4	6
8201	Morphological, physiological, and biochemical responses of <i>Pistacia atlantica</i> seedlings to elevated CO ₂ concentration and drought stress. <i>European Journal of Forest Research</i> , 0, , .	2.5	0
8202	Postharvest illumination of <i>Alstroemeria</i> : Effect of light quality on flower metabolism and shelf life. <i>Postharvest Biology and Technology</i> , 2023, 201, 112346.	6.0	1
8203	Photosynthetic efficiency of perennial ryegrass (<i>Lolium perenne</i> L.) seedlings in response to Ni and Cd stress. <i>Scientific Reports</i> , 2023, 13, .	3.3	10
8204	A chloroplast diacylglycerol lipase modulates glycerolipid pathway balance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2023, 115, 335-350.	5.7	3
8205	Image-based phenotyping to estimate anthocyanin concentrations in lettuce. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	2

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8206	Effects of Monochromatic Light on Growth and Quality of Pistacia vera L.. Plants, 2023, 12, 1546.	3.5	1
8207	Alleviating Plant Water Stress with Biofertilizers: A Case Study for Dragonâ€™s Head (Lallemantia) Tj ETQq1 1 0.784314 rgBT /Overlock Plant Production, 0, , .	2.2	1
8208	Application of soil amendments mitigates phytotoxic effects on Solanum melongena L. and Lycopersicon esculentum L. seedlings exposed to chlorpyrifos and dimethoate pesticides. Environmental Science and Pollution Research, 2023, 30, 59891-59908.	5.3	2
8209	Evaluation of Miscanthus Æ— giganteus Tolerance to Trace Element Stress: Field Experiment with Soils Possessing Gradient Cd, Pb, and Zn Concentrations. Plants, 2023, 12, 1560.	3.5	3
8210	Divergent contribution of the MVA and MEP pathways to the formation of polyprenols and dolichols in Arabidopsis. Biochemical Journal, 2023, 480, 495-520.	3.7	6
8211	Mitigation of salt stress and stimulation of growth by salicylic acid and calcium chloride seed priming in two barley species. Plant Biosystems, 2023, 157, 758-768.	1.6	1
8213	Effects of Spectral Quality and Light Quantity of LEDs on In Vitro Shoot Development and Proliferation of Ananas comosus L. Merr. Agronomy, 2023, 13, 1072.	3.0	3
8214	An attempt to simultaneously quantify the polysaccharide, total lipid, protein and pigment in single Cyclotella cryptica cell by Raman spectroscopy. , 2023, 16, .		1
8215	The influence of LEDs with different blue peak emission wavelengths on the biomass, morphology, and nutrient content of kale cultivars. Scientia Horticulturae, 2023, 317, 111992.	3.6	1
8216	A Novel Method for Estimating Chlorophyll and Carotenoid Concentrations in Leaves: A Two Hyperspectral Sensor Approach. Sensors, 2023, 23, 3843.	3.8	6
8217	Effect of Natural Phytohormones on Growth, Nutritional Status, and Yield of Mung Bean (Vigna) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.6	0
8218	Dynamics of accumulation of photosynthetic pigments in leaves <i>Trititrigia Cziczinii</i> Tzvel.. Pomiculture & Small Fruits Culture in Russia, 0, 72, 43-49.	0.1	0
8219	Interactive effect of silicon and nitric oxide effectively contracts copper toxicity in <i>Salvia officinalis</i> L.. International Journal of Phytoremediation, 2023, 25, 1801-1809.	3.1	1
8220	The combined formulation of brassinolide and pyraclostrobin increases biomass and seed yield by improving photosynthetic capacity in Arabidopsis thaliana. Frontiers in Plant Science, 0, 14, .	3.6	4
8221	Mutation of CsARC6 affects fruit color and increases fruit nutrition in cucumber. Theoretical and Applied Genetics, 2023, 136, .	3.6	2
8222	Elicitation with Methyl Jasmonate and Salicylic Acid Increase Essential Oil Production and Modulate Physiological Parameters in Lippia alba (Mill) N.E. Brown (Verbenaceae). Journal of Plant Growth Regulation, 2023, 42, 5909-5927.	5.1	2
8223	Soil Arsenic Toxicity Impact on the Growth and C-Assimilation of Eucalyptus nitens. Sustainability, 2023, 15, 6665.	3.2	1
8224	Ecotoxicity attenuation by acid-resistant nanofiltration in scandium recovery from TiO2 production waste. Heliyon, 2023, 9, e15512.	3.2	1

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8225	Effect of Green Synthesized ZnO-NPs on Growth, Antioxidant System Response and Bioactive Compound Accumulation in <i>Echinops macrochaetus</i> , a Potential Medicinal Plant, and Assessment of Genome Size (2C DNA Content). <i>Plants</i> , 2023, 12, 1669.	3.5	0
8226	Citrate-coated cobalt ferrite nanoparticles for the nano-enabled biofortification of wheat. <i>Food and Function</i> , 0, , .	4.6	0
8227	Growth response to nitrate enrichment helps facilitate success of an alien <i>Potamogeton</i> in New Zealand streams. <i>Heliyon</i> , 2023, 9, e15528.	3.2	0
8228	Turnover of non-polymeric leaf lipids in a loamy grassland soil. <i>Plant and Soil</i> , 2023, 489, 385-403.	3.7	2
8229	Exogenous Application of Salicylic Acid Improve Growth and Some Physio-Biochemical Parameters in Herbicide Stressed <i>Phaseolus vulgaris</i> L. <i>Gesunde Pflanzen</i> , 2023, 75, 2301-2318.	3.0	4
8230	Mutualistic Effect of Macronutrients Availing Microbes on the Plant Growth Promotion of Finger Millet (<i>Eleusine coracana</i> L.). <i>Current Microbiology</i> , 2023, 80, .	2.2	1
8231	An assessment of the physicochemical characteristics and essential oil composition of <i>Mentha longifolia</i> (L.) Huds. exposed to different salt stress conditions. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	2
8232	Compost Improving Morphophysiological and Biochemical Traits, Seed Yield, and Oil Quality of <i>Nigella sativa</i> under Drought Stress. <i>Agronomy</i> , 2023, 13, 1147.	3.0	2
8233	Boosting starch productivity of mixotrophic duckweed via light and organic carbon treatment. <i>Biomass and Bioenergy</i> , 2023, 173, 106795.	5.7	0
8234	Comparative Study of Three Biological Control Agents and Two Conventional Fungicides against Coriander Damping-off and Root Rot Caused by <i>Rhizoctonia solani</i> . <i>Plants</i> , 2023, 12, 1694.	3.5	2
8235	Overexpression of plastid lipid-associated protein in marine diatom enhances the xanthophyll synthesis and storage. <i>Frontiers in Microbiology</i> , 0, 14, .	3.5	4
8236	From spectra to plant functional traits: Transferable multi-trait models from heterogeneous and sparse data. <i>Remote Sensing of Environment</i> , 2023, 292, 113580.	11.0	8
8237	Nano-Hydroxyapatite and ZnO-NPs Mitigate Pb Stress in Maize. <i>Agronomy</i> , 2023, 13, 1174.	3.0	7
8238	Co-inoculation of nitrogen fixing and potassium solubilizing <i>Acinetobacter</i> sp. for growth promotion of onion (<i>Allium cepa</i>). , 0, , .		0
8239	Post-Harvest Red- and Far-Red-Light Irradiation and Low Temperature Induce the Accumulation of Carotenoids, Capsaicinoids, and Ascorbic Acid in <i>Capsicum annuum</i> L. Green Pepper Fruit. <i>Foods</i> , 2023, 12, 1715.	4.3	1
8240	A point mutation in the gene encoding magnesium chelatase I subunit influences strawberry leaf color and metabolism. <i>Plant Physiology</i> , 2023, 192, 2737-2755.	4.8	11
8241	Monitoring of biofilm development and physico-chemical changes of floating microplastics at the air-water interface. <i>Environmental Pollution</i> , 2023, 322, 121157.	7.5	15
8244	Evaluation of morpho-physiological responses and genotoxicity in <i>Eruca sativa</i> (Mill.) grown in hydroponics from seeds exposed to X-rays. <i>PeerJ</i> , 0, 11, e15281.	2.0	1

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8246	Secondary metabolites interference on potential of <i>Solanum lycopersicum</i> grown under UV-B stress and its impact on developmental attributes of <i>Capsicum annum</i> . <i>Plant Stress</i> , 2023, 8, 100167.	5.5	1
8247	Morpho-physiological and anatomical characteristics of <i>Urochloa brizantha</i> cv. Marandu in silvopastoral and monoculture systems. <i>Acta Scientiarum - Animal Sciences</i> , 0, 45, e59494.	0.3	0
8248	Mixotrophic cultivation of <i>Chlorella vulgaris</i> in <i>Brassica carinata</i> meal hydrolysate for enhanced lipid and lutein production. <i>Biomass Conversion and Biorefinery</i> , 0, , .	4.6	0
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8250	Floral hemp (<i>Cannabis sativa</i> L.) responses to nitrogen fertilization under field conditions in the high desert. <i>PLoS ONE</i> , 2023, 18, e0284537.	2.5	0
8251	Peroxynitrite is essential for aerenchyma formation in rice roots under waterlogging conditions. <i>Planta</i> , 2023, 258, .	3.2	1
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8253	Nitrogen Deposition Effects on Invasive and Native Plant Competition: Implications for Future Invasions. <i>Ecotoxicology and Environmental Safety</i> , 2023, 259, 115029.	6.0	12
8255	Ecotoxicity of non- and PEG-modified lanthanide-doped nanoparticles in aquatic organisms. <i>Aquatic Toxicology</i> , 2023, 259, 106548.	4.0	2
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8259	Regulatory Role of Silicon on Photosynthesis, Gas-exchange and Yield Related Traits of Drought-Stressed Lentil Plants. <i>Silicon</i> , 2023, 15, 5981-5996.	3.3	2
8260	Effect of titanium dioxide nanoparticles and co-composted biochar on growth and Cd uptake by wheat plants: A field study. <i>Environmental Research</i> , 2023, 231, 116057.	7.5	11
8261	Palmelloid Formation and Cell Aggregation Are Essential Mechanisms for High Light Tolerance in a Natural Strain of <i>Chlamydomonas reinhardtii</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 8374.	4.1	1
8262	Selenate and Selenite Induced Differential Morphophysiological Modifications to Mitigate Arsenic Toxicity and Uptake by Wheat. <i>Soil and Sediment Contamination</i> , 2024, 33, 331-352.	1.9	2
8263	Acquisition of Freezing Tolerance of Resurrection Species from Gesneriaceae, a Comparative Study. <i>Plants</i> , 2023, 12, 1893.	3.5	3

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8265	Nitric Oxide and Strigolactone Alleviate Mercury-Induced Oxidative Stress in <i>Lens culinaris</i> L. by Modulating Glyoxalase and Antioxidant Defense System. Plants, 2023, 12, 1894.	3.5	5
8266	Physiological Responses and Adaptations of the Halophyte <i>Atriplex halimus</i> to Soil Contaminated with Cd, Ni, and NaCl. Soil Systems, 2023, 7, 46.	2.6	1
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8418	Exogenous acetone <i>O</i>- (2-naphthylsulfonyl)oxime improves the adverse effects of excess copper by copper detoxification systems in maize. <i>International Journal of Phytoremediation</i> , 2023, 25, 2001-2013.	3.1	1
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8426	Dependence of state transitions on illumination time in <i>Arabidopsis</i> and barley plants. <i>Protoplasma</i> , 2024, 261, 65-75.	2.1	1
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8463	Antioxidant and antimicrobial activities of Ethanolic Jik (<i>Barringtonia acutangula</i>) leaf extract and its application for shelf-life extension of Pacific white shrimp meat during refrigerated storage. <i>Food Control</i> , 2024, 155, 110037.	5.5	2
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8484	Evaluation of Salicylic Acid Effects on Growth, Biochemical, Yield, and Anatomical Characteristics of Eggplant (<i>Solanum melongena</i> L.) Plants under Salt Stress Conditions. <i>Agronomy</i> , 2023, 13, 2213.	3.0	1
8485	INFLUÊNCIA DA INCORPORAÇÃO DE PÓ DE ROCHA QUARTZO-FELDSPÁTICA EM SUBSTRATO PARA PRODUÇÃO DE MUDAS DE <i>Cedrela fissilis</i> Vell.. <i>RGSA: Revista De Gestão Social E Ambiental</i> , 2023, 17, e03949.	3.8	2
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8500	Bioinspired mechanically stable all-polysaccharide based scaffold for photosynthetic production. <i>Journal of Materials Chemistry B</i> , 2023, 11, 8788-8803.	5.8	1
8501	Morpho-Physiological and Antioxidative Responses of Wheat Seedlings to Different Forms of Selenium. <i>Agriculture (Switzerland)</i> , 2023, 13, 1632.	3.1	0
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8522	Effect of Zinc Excess on Some Physiological Parameters and on the Fatty Acids Profile of <i>Sinapis alba</i> L. and <i>Brassica juncea</i> L. (Czern). <i>Horticulturae</i> , 2023, 9, 1002.	2.8	1
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8527	Transcriptome and Biochemical Analyses of a Chlorophyll-Deficient Bud Mutant of Tea Plant (Camellia) Tj ETQq1 1 0.784314 rgBT /Over	4.1	1
8528	Effect of exogenous taurine on growth, oxidative defense, and nickel (Ni) uptake in canola (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.1	1
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