

[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.	0.6	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
5	The Various Chlorophyll Fluorescence Signatures As a Basis for Physiological Ground Truth Control in Remote Sensing of Forest Decline. , 0, , .		5
6	High-performance liquid chromatography of chlorophylls and carotenoids from vegetables. Journal of Chromatography A, 1989, 472, 296-302.	1.8	28
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21	Chlorophylls in foods. Critical Reviews in Food Science and Nutrition, 1990, 29, 1-17.	5.4	122
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417	Seasonal changes of photosynthetic assimilation of Norway spruce under the impact of enhanced UV-B radiation. <i>Plant Science</i> , 1999, 142, 37-45.	1.7	26
418	Leaf age- and paraquat concentration-dependent effects on the levels of enzymes protecting against photooxidative stress. <i>Plant Science</i> , 1999, 149, 13-22.	1.7	59
419	Water Deficit Induced Oxidative Stress and Antioxidative Defenses in Rice Plants. <i>Journal of Plant Physiology</i> , 1999, 155, 255-261.	1.6	146
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421	Photosynthetic Activity and Acclimation Ability of Pea Plants to Low and High Temperature Treatment as Studied by Means of Chlorophyll Fluorescence. <i>Journal of Plant Physiology</i> , 1999, 155, 416-423.	1.6	51
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428	Lipid Peroxidation Is an Early Event in Necrosis of Wheat Hybrid. <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 109-112.	1.0	19
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430	Response of barley and pea crops to supplementary UV-B radiation. <i>Journal of Agricultural Science</i> , 1999, 132, 253-261.	0.6	15
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435	Carotenoid biosynthesis during tomato fruit development: regulatory role of 1-deoxy-D-xylulose 5-phosphate synthase. <i>Plant Journal</i> , 2000, 22, 503-513.	2.8	413
436	Induction of dwarfism in transgenic <i>Solanum dulcamara</i> by over-expression of a gibberellin 20-oxidase cDNA from pumpkin. <i>Plant Journal</i> , 2000, 23, 329-338.	2.8	29
437	Metabolic engineering of beta-carotene and lycopene content in tomato fruit. <i>Plant Journal</i> , 2000, 24, 413-420.	2.8	272
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441	Differential sensitivity to ozone in two poplar clones.. <i>Physiologia Plantarum</i> , 2000, 110, 181-188.	2.6	26
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446	In vitro Growth and Leaf Composition of Grapevine Cultivars as Affected by Sodium Chloride. <i>Biologia Plantarum</i> , 2000, 43, 283-286.	1.9	85
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468	Cold-induced photoinhibition affects establishment of <i>Eucalyptus nitens</i> (Deane and Maiden) Maiden and <i>Eucalyptus globulus</i> Labill. <i>Trees - Structure and Function</i> , 2000, 15, 32-41.	0.9	73
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474	Ethylene is involved in the nodulation phenotype of <i>Pisum sativum</i> R50 (sym 16), a pleiotropic mutant that nodulates poorly and has pale green leaves. <i>Journal of Experimental Botany</i> , 2000, 51, 885-894.	2.4	0
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482	Down-regulation of the PSI-F Subunit of Photosystem I (PSI) in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 31211-31218.	1.6	94
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499	Differential Stimulation of Ascorbate Peroxidase Isoforms by Ozone Exposure in Sunflower Plants. <i>Journal of Plant Physiology</i> , 2000, 156, 266-271.	1.6	27
500	Kinetic characterization of His-tagged CP47 Photosystem II in <i>Synechocystis</i> sp. PCC6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1460, 384-389.	0.5	10
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504	Ethylene is involved in the nodulation phenotype of <i>Pisum sativum</i> R50 (sym 16), a pleiotropic mutant that nodulates poorly and has pale green leaves. <i>Journal of Experimental Botany</i> , 2000, 51, 885-894.	2.4	55
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513	Effects of PSAG12- <i>i>IPT</i> Gene Expression on Development and Senescence in Transgenic Lettuce. <i>Plant Physiology</i>, 2001, 127, 505-516.</i>	2.3	221
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515	A short pre-culture soak in thidiazuron or forchlorfenuron improves axillary shoot proliferation in rose micropropagation. <i>Scientia Horticulturae</i> , 2001, 91, 169-177.	1.7	28
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519	Involvement of uncoupled antenna chlorophylls in photoinhibition in thylakoids. <i>FEBS Letters</i> , 2001, 491, 109-113.	1.3	82
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522	Protecting cotton photosynthesis during moderate chilling at high light intensity by increasing chloroplastic antioxidant enzyme activity. <i>Journal of Experimental Botany</i> , 2001, 52, 2345-2354.	2.4	135
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526	Photosynthetic responses of white spruce saplings (<i>Picea glauca</i>) to controlled density gradients of spruce and green alder (<i>Alnus crispa</i>). <i>Ecoscience</i> , 2001, 8, 76-88.	0.6	5
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532	PHOTOACCLIMATION IN THE TROPICAL CORALLINE ALGA HYDROLITHON ONKODES (RHODOPHYTA). <i>Trends in Plant Science</i> , 2001, 6, 107-110.	1.0	47
533	Combined cadmium and ozone treatments affect photosynthesis and ascorbate-dependent defences in sunflower. <i>New Phytologist</i> , 2001, 151, 627-636.	3.5	86
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539	Chronic ozone fumigation induces alterations in thylakoid functionality and composition in two poplar clones. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 999-1008.	2.8	44
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541	New vegetation indices for remote measurement of chlorophylls based on leaf directional reflectance spectra. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001, 61, 52-61.	1.7	215
542	Adjustments of net photosynthesis in <i>Solanum tuberosum</i> in response to reciprocal changes in ambient and elevated growth CO ₂ partial pressures. <i>Physiologia Plantarum</i> , 2001, 112, 55-61.	2.6	49

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544	Enhanced photochemical light utilization and decreased chilling-induced photoinhibition of photosystem II in cotton overexpressing genes encoding chloroplast-targeted antioxidant enzymes. <i>Physiologia Plantarum</i> , 2001, 113, 323-331.	2.6	83
545	Differential leaf stress responses in young and senescent plants. <i>Physiologia Plantarum</i> , 2001, 113, 409-415.	2.6	45
546	Free radical generation and antioxidant content in chloroplasts from soybean leaves exposed to ultraviolet-B. <i>Physiologia Plantarum</i> , 2001, 113, 564-570.	2.6	38
547	Transgenic <i>Brassica napus</i> plants overexpressing aluminium-induced mitochondrial manganese superoxide dismutase cDNA are resistant to aluminium. <i>Plant, Cell and Environment</i> , 2001, 24, 1278-1269.	2.8	173
548	Title is missing!. <i>Plant Growth Regulation</i> , 2001, 35, 121-129.	1.8	42
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550	Different Responses of Norway Spruce Needles from Shaded and Exposed Crown Layers to the Prolonged Exposure to Elevated CO ₂ Studied by Various Chlorophyll a Fluorescence Techniques. <i>Photosynthetica</i> , 2001, 39, 369-376.	0.9	13
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689	Photosynthetic UV-B Response of Beech (<i>Fagus sylvatica</i> L.) Saplings. <i>Photosynthetica</i> , 2003, 41, 533-543.	0.9	20
690	Moderately Elevated Temperature Eliminates Resistance of Rice Plants with Enhanced Expression of Glutathione Reductase to Intensive Photooxidative Stress. <i>Photosynthetica</i> , 2003, 41, 571-578.	0.9	24
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692	Title is missing!. <i>Russian Journal of Plant Physiology</i> , 2003, 50, 52-56.	0.5	7
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695	Evaluation of physiological screening tests for breeding drought resistant triticale (<i>x Triticosecale</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	1.0	28
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1357	Response of <i>Cucumis sativus</i> L. seedlings to Pb exposure. <i>Brazilian Journal of Plant Physiology</i> , 2009, 21, 175-186.	0.5	7
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1747	Physiological responses of three plant species exposed to excess ammonia in constructed wetland. <i>Desalination and Water Treatment</i> , 2011, 32, 271-276.	1.0	12
1748	Organic amendment based on vermicompost and compost: differences on soil properties and maize yield. <i>Waste Management and Research</i> , 2011, 29, 1185-1196.	2.2	30
1749	Effects of Green Compost on Soil Biochemical Characteristics and Nutritive Quality of Leafy Vegetables. <i>Compost Science and Utilization</i> , 2011, 19, 114-122.	1.2	10
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1757	Evaluation of total and non-fatty ether extract in feeds and cattle feces using two analytical methods. <i>Animal Feed Science and Technology</i> , 2011, 163, 111-117.	1.1	7
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1759	An in vivo system involving co-expression of cyanobacterial flavodoxin and ferredoxin-NADP ⁺ reductase confers increased tolerance to oxidative stress in plants. <i>FEBS Open Bio</i> , 2011, 1, 7-13.	1.0	26
1760	Duckweed <i>Lemna minor</i> as a tool for testing toxicity and genotoxicity of surface waters. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 182-187.	2.9	82
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1763	Photocatalytic Hydrogen Production from Noncovalent Biohybrid Photosystem I/Pt Nanoparticle Complexes. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 236-241.	2.1	90
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1766	Overexpression of HEMA1 encoding glutamyl-tRNA reductase. <i>Journal of Plant Physiology</i> , 2011, 168, 1372-1379.	1.6	33
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1769	Physiological and biochemical changes in resistant and sensitive chestnut (<i>Castanea</i>) plantlets after inoculation with <i>Phytophthora cinnamomi</i> . <i>Physiological and Molecular Plant Pathology</i> , 2011, 75, 146-156.	1.3	22
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1771	Comparison of three pea cultivars (<i>Pisum sativum</i>) regarding their responses to direct and bicarbonate-induced iron deficiency. <i>Scientia Horticulturae</i> , 2011, 129, 548-553.	1.7	33

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1773	Strawberry recovers from iron chlorosis after foliar application of a grass clipping extract. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 473-479.	1.1	20
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1776	Title is missing!. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2011, 11, .	0.4	14
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1788	Drought and aluminium as stress factors in Norway spruce (<i>Picea abies</i>) seedlings. <i>Journal of Forest Science</i> , 2011, 57, 547-554.	0.5	12
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1796	Photosynthetic acclimation to light in woody and herbaceous species: a comparison of leaf structure, pigment content and chlorophyll fluorescence characteristics measured in the field. <i>Plant Biology</i> , 2012, 14, 88-99.	1.8	75
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1799	Tobacco chloroplast transformants expressing genes encoding dehydroascorbate reductase, glutathione reductase, and glutathione S-transferase, exhibit altered anti-oxidant metabolism and improved abiotic stress tolerance. <i>Plant Biotechnology Journal</i> , 2011, 9, 661-673.	4.1	187
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1804	Differential responses in two varieties of winter wheat to elevated ozone concentration under fully open-air field conditions. <i>Global Change Biology</i> , 2011, 17, 580-591.	4.2	159
1805	OPTIMIZATION OF SALT CONCENTRATIONS FOR A HIGHER CAROTENOID PRODUCTION IN <i>DUNALIELLA SALINA</i> (CHLOROPHYCEAE). <i>Journal of Phycology</i> , 2011, 47, 1072-1077.	1.0	21
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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.	1.7	156
1811	Synergistic effect of kinetin and spermine on some physiological aspects of seawater stressed <i>Vigna sinensis</i> plants. <i>Saudi Journal of Biological Sciences</i> , 2011, 18, 37-44.	1.8	18
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.	1.8	14
1813	Phytotoxicity of Roundup Ultra 360 SL in aquatic ecosystems: Biochemical evaluation with duckweed (<i>Lemna minor</i> L.) as a model plant. <i>Pesticide Biochemistry and Physiology</i> , 2011, 99, 237-243.	1.6	59
1814	Photosynthetic alterations of pea leaves infected systemically by pea enation mosaic virus: A coordinated decrease in efficiencies of CO ₂ assimilation and photosystem II photochemistry. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1279-1289.	2.8	44
1815	End of day harvest delays postharvest senescence of broccoli florets. <i>Postharvest Biology and Technology</i> , 2011, 59, 64-70.	2.9	48
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1817	Low soil water content during growth contributes to preservation of green colour and bioactive compounds of cold-stored broccoli (<i>Brassica oleracea</i> L.) florets. <i>Postharvest Biology and Technology</i> , 2011, 60, 158-163.	2.9	45
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1819	<i>Spartina densiflora</i> demonstrates high tolerance to phenanthrene in soil and reduces its concentration. <i>Marine Pollution Bulletin</i> , 2011, 62, 1800-1808.	2.3	20
1820	Sensitivity to Foliar Anthocyanin Content of Vegetation Indices Using Green Reflectance. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 464-468.	1.4	39
1821	Multioutput Support Vector Regression for Remote Sensing Biophysical Parameter Estimation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 804-808.	1.4	235
1822	The NAC domain-containing protein, GmNAC6, is a downstream component of the ER stress- and osmotic stress-induced NRP-mediated cell-death signaling pathway. <i>BMC Plant Biology</i> , 2011, 11, 129.	1.6	76
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1827	Effect of drought on pigments, osmotic adjustment and antioxidant enzymes in six woody plant species in karst habitats of southwestern China. <i>Environmental and Experimental Botany</i> , 2011, 71, 174-183.	2.0	286
1828	Response to heat stress of populations of two <i>Sphagnum</i> species from alpine bogs at different altitudes. <i>Environmental and Experimental Botany</i> , 2011, 74, 22-30.	2.0	16
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1830	Respiratory activity, energy and redox status in sulphur-deficient bean plants. <i>Environmental and Experimental Botany</i> , 2011, 74, 245-254.	2.0	34
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1836	Combined effects of lanthanum ion and acid rain on growth, photosynthesis and chloroplast ultrastructure in soybean seedlings. <i>Chemosphere</i> , 2011, 84, 601-608.	4.2	98
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1839	Comparison of EDTA-enhanced phytoextraction and phytostabilisation strategies with <i>Lolium perenne</i> on a heavy metal contaminated soil. <i>Chemosphere</i> , 2011, 85, 1290-1298.	4.2	65
1840	Remote Sensing Image Processing. <i>Synthesis Lectures on Image, Video, and Multimedia Processing</i> , 2011, 5, 1-192.	0.9	54
1841	Influence of traffic pollution on ecological state of <i>Plantago major</i> L.. <i>Contemporary Problems of Ecology</i> , 2011, 4, 499-507.	0.3	3
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1843	Rosmarinic acid content in basil plants grown in vitro and in hydroponics. <i>Open Life Sciences</i> , 2011, 6, 946-957.	0.6	53

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1858	Influence of irradiance on chlorophyll synthesis in <i>Picea abies</i> calli cultures. Biologia Plantarum, 2011, 55, 183-186.	1.9	0
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1866	Photosynthesis performance in sweet almond [<i>Prunus dulcis</i> (Mill) D. Webb] exposed to supplemental UV-B radiation. <i>Photosynthetica</i> , 2011, 49, .	0.9	53
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1869	Effects of ambient O ₃ on wheat during reproductive development: Gas exchange, photosynthetic pigments, chlorophyll fluorescence, and carbohydrates. <i>Photosynthetica</i> , 2011, 49, 285-294.	0.9	28
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1872	Effect of mycorrhizal inoculation on ecophysiological responses of pistachio plants grown under different water regimes. <i>Photosynthetica</i> , 2011, 49, 531-538.	0.9	28
1873	<i>Caragana korshinskii</i> seedlings maintain positive photosynthesis during short-term, severe drought stress. <i>Photosynthetica</i> , 2011, 49, 603-609.	0.9	22
1874	Comparison of gas exchange and chlorophyll fluorescence of low-potassium-tolerant and -sensitive soybean [<i>Glycine max</i> (L.) Merr.] cultivars under low-potassium condition. <i>Photosynthetica</i> , 2011, 49, 633-636.	0.9	20
1875	Chloroplastidic pigments, gas exchange, and carbohydrates changes during <i>Carapa guianensis</i> leaflet expansion. <i>Photosynthetica</i> , 2011, 49, 619-626.	0.9	3
1876	Maize ABP9 enhances tolerance to multiple stresses in transgenic <i>Arabidopsis</i> by modulating ABA signaling and cellular levels of reactive oxygen species. <i>Plant Molecular Biology</i> , 2011, 75, 365-378.	2.0	225
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1882	Interplay between non-photochemical plastoquinone reduction and re-oxidation in pre-illuminated <i>Chlamydomonas reinhardtii</i> : a chlorophyll fluorescence study. <i>Photosynthesis Research</i> , 2011, 110, 13-24.	1.6	13
1883	Transcript Levels of CHL P Gene, Antioxidants and Chlorophylls Contents in Olive (<i>Olea europaea</i> L.) Pericarps: A Comparative Study on Eleven Olive Cultivars Harvested in Two Ripening Stages. <i>Plant Foods for Human Nutrition</i> , 2011, 66, 1-10.	1.4	33
1884	Forced expression of <i>Mdmyb10</i> , a myb transcription factor gene from apple, enhances tolerance to osmotic stress in transgenic <i>Arabidopsis</i> . <i>Molecular Biology Reports</i> , 2011, 38, 205-211.	1.0	94
1885	Expression of yeast <i>Hem1</i> controlled by <i>Arabidopsis</i> <i>HemA1</i> promoter enhances leaf photosynthesis in transgenic tobacco. <i>Molecular Biology Reports</i> , 2011, 38, 4369-4379.	1.0	12
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1888	Poorly formed chloroplasts are barriers to successful interspecific hybridization in chickpea following in vitro embryo rescue. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 106, 465-473.	1.2	18
1889	Overexpression of ethylene response factor <i>TERF2</i> confers cold tolerance in rice seedlings. <i>Transgenic Research</i> , 2011, 20, 857-866.	1.3	96
1890	Seasonal physiological plasticity and recovery capacity after summer stress in Mediterranean scrub communities. <i>Plant Ecology</i> , 2011, 212, 127-142.	0.7	52
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1899	Mycorrhizal association between the desert truffle <i>Terfezia boudieri</i> and <i>Helianthemum sessiliflorum</i> alters plant physiology and fitness to arid conditions. <i>Mycorrhiza</i> , 2011, 21, 623-630.	1.3	35
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1906	Changes in photosynthetic performance and antioxidative strategies during maturation of Norway maple (<i>Acer platanoides</i> L.) leaves. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 368-376.	2.8	23
1907	Temperature dependence of resonance Raman spectra of carotenoids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1261-1265.	2.0	38
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1915	Analysis of salinity effects on basil leaf surface area, photosynthetic activity, and growth. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 823-833.	1.0	30

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1930	Physiological responses to salinity in the yellow-horned poppy, <i>Glaucium flavum</i> . <i>Plant Physiology and Biochemistry</i> , 2011, 49, 186-194.	2.8	25
1931	Prolonged sensitivity of immobilized thylakoid membranes in cross-linked matrix to atrazine. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 140-146.	4.0	5
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1935	Effect of exogenous nitric oxide on seed germination and physiological characteristics of <i>Brassica napus</i> . , 2011, , .		2
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1948	Homeostatic control of polyamine levels under long-term salt stress in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2011, 6, 237-242.	1.2	7
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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.	2.4	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.	3.1	417
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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.	0.3	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.	0.8	5
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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.	2.4	106
1959	The Cyanobacterial NAD Kinase Gene <i>sl1415</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.	1.0	28
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1961	Degradation of chloroplast DNA during natural senescence of maple leaves. <i>Tree Physiology</i> , 2012, 32, 346-354.	1.4	14
1962	Hyperspectral Imaging Techniques for Rapid Identification of <i>Arabidopsis</i> Mutants with Altered Leaf Pigment Status. <i>Plant and Cell Physiology</i> , 2012, 53, 1154-1170.	1.5	38
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1965	Thiourea mediates alleviation of UV-B stress-induced damage in the Indian mustard (<i>Brassica</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10784-10791.	1.0	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.	0.8	64
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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.	1.4	55
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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.	0.8	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.	0.1	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.	0.6	5
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1987	Fluctuation of oxidative stress indicators in <i>Salix nigra</i> seeds during priming. <i>Journal of Experimental Botany</i> , 2012, 63, 3631-3642.	2.4	17
1988	Phytochemical Profile and Nutraceutical Value of Old and Modern Common Wheat Cultivars. <i>PLoS ONE</i> , 2012, 7, e45997.	1.1	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.	0.6	9
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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.	2.4	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.	2.3	84
1997	Transcriptional and Metabolic Analysis of Senescence Induced by Preventing Pollination in Maize. <i>Plant Physiology</i> , 2012, 159, 1730-1744.	2.3	90
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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.	2.9	58
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2011	Effect of ethanol treatment on quality and antioxidant activity in postharvest broccoli florets. European Food Research and Technology, 2012, 235, 793-800.	1.6	36
2012	Daily Temperature Amplitude Affects the Vegetative Growth and Carbon Metabolism of Orange Trees in a Rootstock-Dependent Manner. Journal of Plant Growth Regulation, 2012, 31, 309-319.	2.8	19
2013	Arabidopsis BPG2: a phytochrome-regulated gene whose protein product binds to plastid ribosomal RNAs. Planta, 2012, 236, 677-690.	1.6	22
2014	Flavodoxin displays dose-dependent effects on photosynthesis and stress tolerance when expressed in transgenic tobacco plants. Planta, 2012, 236, 1447-1458.	1.6	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.	1.6	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.	0.9	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.	1.1	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.	1.8	86
2019	Cytological and genetic analysis of a virescent mutant in upland cotton (<i>Gossypium hirsutum</i> L.). Euphytica, 2012, 187, 235-245.	0.6	15
2020	Transgenic expression of ThIPK2 gene in soybean improves stress tolerance, oleic acid content and seed size. Plant Cell, Tissue and Organ Culture, 2012, 111, 277-289.	1.2	26
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.	1.1	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.	2.7	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.	0.8	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.	1.9	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.	0.6	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.	1.9	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.	1.9	3
2028	Function of the chloroplastic NAD(P)H dehydrogenase Nda2 for H ₂ photoproduction in sulphur-deprived <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biotechnology</i> , 2012, 162, 81-88.	1.9	37
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.	1.7	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.	1.7	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.	2.7	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.	0.7	9
2033	Response of antioxidant defences to Zn stress in three duckweed species. <i>Ecotoxicology and Environmental Safety</i> , 2012, 85, 52-58.	2.9	58
2034	Antiatherogenic properties of vegetable juice rich in antioxidants in cholesterol-fed rats. <i>Annals of Agricultural Sciences</i> , 2012, 57, 167-173.	1.1	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.	0.3	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.	0.8	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.	1.4	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.	2.3	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.	2.4	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.	0.9	14
2041	Detection and measurement of vegetation photoprotection stress response using PAR reflectance. <i>Israel Journal of Plant Sciences</i> , 2012, 60, 37-47.	0.3	40
2042	Usnea lichen community biomass estimation on volcanic mesas, James Ross Island, Antarctica. <i>Polar Biology</i> , 2012, 35, 1563-1572.	0.5	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.	1.3	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.	0.3	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.	4.6	400
2047	Comparative effects of exogenous glycine betaine, kaolin clay particles and Ambiol on photosynthesis, leaf sclerophylly indexes and heat load of olive cv. Chondrolia Chalkidikis under drought. <i>Scientia Horticulturae</i> , 2012, 137, 87-94.	1.7	60
2048	Influence of chloride and bromate interaction on oxidative stress in carrot plants. <i>Scientia Horticulturae</i> , 2012, 137, 81-86.	1.7	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.	1.7	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.	1.7	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.	1.7	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.	1.7	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.	1.7	89
2054	Overexpression of OsTLP27 in rice improves chloroplast function and photochemical efficiency. <i>Plant Science</i> , 2012, 195, 125-134.	1.7	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.	1.1	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	1.9	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.	0.8	31
2058	Oxidative effects and metabolic changes following exposure of greater duckweed (<i>Spirodela</i>) Tj ETQq1 1 0.784314rgBT /Overlock 10	1.9	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.	1.9	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.	3.8	79

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2061	Chlorophyll meters for monitoring foliar nitrogen in three tree species from arid Central Asia. <i>Journal of Arid Environments</i> , 2012, 85, 41-45.	1.2	14
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.	1.6	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.	1.6	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.	2.9	8
2065	Inhibitory effects of silver nanoparticles in two green algae, <i>Chlorella vulgaris</i> and <i>Dunaliella tertiolecta</i> . <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 80-85.	2.9	307
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.	2.9	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.	2.9	46
2068	Nutrient distribution, phenolic acid composition, antioxidant and alpha-glucosidase inhibitory potentials of black gram (<i>Vigna mungo</i> L.) and its milled by-products. <i>Food Research International</i> , 2012, 46, 370-377.	2.9	78
2069	Effect of thinning, pruning and nitrogen fertiliser application on transpiration, photosynthesis and water-use efficiency in a young <i>Eucalyptus nitens</i> plantation. <i>Forest Ecology and Management</i> , 2012, 266, 286-300.	1.4	107
2070	Preillumination of excised spinach leaves with red light increases resistance of photosynthetic apparatus to UV radiation. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 717-723.	0.5	17
2071	Effects of strontium on photosynthetic characteristics of oilseed rape seedlings. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 772-780.	0.5	28
2072	Production of engineered long-life and male sterile <i>Pelargonium</i> plants. <i>BMC Plant Biology</i> , 2012, 12, 156.	1.6	26
2073	The <i>SbSOS1</i> 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.	1.6	147
2074	Comparing SPAD and <i>atLEAF</i> values for chlorophyll assessment in crop species. <i>Canadian Journal of Soil Science</i> , 2012, 92, 645-648.	0.5	127
2075	Structural Confirmation of a Unique Carotenoid Lactoside, P457, in <i>Symbiodinium</i> sp. Strain nbr 104787 Isolated from a Sea Anemone and its Distribution in Dinoflagellates and Various Marine Organisms. <i>Journal of Phycology</i> , 2012, 48, 1392-1402.	1.0	5
2076	Ecotoxicity of fluvial sediments downstream of the Ajka red mud spill, Hungary. <i>Journal of Environmental Monitoring</i> , 2012, 14, 2063.	2.1	54
2077	Tolerance to high Zn in the metallophyte <i>Erica andevalensis</i> Cabezudo & Rivera. <i>Ecotoxicology</i> , 2012, 21, 2012-2021.	1.1	12
2078	Proteomic analysis on salicylic acid-induced salt tolerance in common wheat seedlings (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 11	1.1	46

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2079	Antiproliferative potential of astaxanthin-rich alga <i>Haematococcus pluvialis</i> Flotow on human hepatic cancer (HepG2) cell line. <i>Biomedicine and Preventive Nutrition</i> , 2012, 2, 149-153.	0.9	34
2080	Evaluation of microalgae cell disruption by ultrasonic treatment. <i>Bioresource Technology</i> , 2012, 125, 175-181.	4.8	177
2081	Photosynthesis and growth responses of grapevine to acetochlor and fluoroglyphofen. <i>Pesticide Biochemistry and Physiology</i> , 2012, 103, 210-218.	1.6	21
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.	2.8	167
2083	Alleviation of salt-induced adverse effects in pepper seedlings by seed application of glycinebetaine. <i>Scientia Horticulturae</i> , 2012, 148, 197-205.	1.7	22
2084	Flow synthesis using gaseous ammonia in a Teflon AF-2400 tube-in-tube reactor: Paalâ€œKnorr pyrrole formation and gas concentration measurement by inline flow titration. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5774.	1.5	100
2085	Genome-wide transcriptome profiling of ROS scavenging and signal transduction pathways in rice (<i>Oryza sativa</i> L.) in response to different types of ionizing radiation. <i>Molecular Biology Reports</i> , 2012, 39, 11231-11248.	1.0	62
2086	Photosynthetic activity and leaf antioxidative responses of <i>Atriplex portulacoides</i> subjected to extreme salinity. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1679-1688.	1.0	53
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.	1.0	12
2088	Antioxidative systemâ€™s responses in the leaves of six <i>Caragana</i> species during drought stress and recovery. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2145-2154.	1.0	9
2089	Assessment of the role of meta-topolins on in vitro produced phenolics and acclimatization competence of micropropagated â€™Williamsâ€™ banana. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2265-2273.	1.0	64
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.	1.0	24
2091	Identification and differential expression of two isogenes encoding 1-deoxy-d-xylulose 5-phosphate reductoisomerase in <i>Glycine max</i> . <i>Plant Biotechnology Reports</i> , 2012, 6, 363-371.	0.9	7
2092	Nondestructive Evaluation of Quality Changes and the Optimum Time for Harvesting During Jujube (<i>Zizyphus jujuba</i> Mill. cv. Changhong) Fruits Development. <i>Food and Bioprocess Technology</i> , 2012, 5, 2586-2595.	2.6	32
2093	Magnesium deficiencyâ€™induced impairment of photosynthesis in leaves of fruiting <i>Citrus reticulata</i> trees accompanied by upâ€™regulation of antioxidant metabolism to avoid photoâ€™oxidative damage. <i>Journal of Plant Nutrition and Soil Science</i> , 2012, 175, 784-793.	1.1	75
2094	A MYB transcription factor from the grey mangrove is induced by stress and confers NaCl tolerance in tobacco. <i>Journal of Experimental Botany</i> , 2012, 63, 4549-4561.	2.4	64
2095	Epicuticular-wax removal influences gas exchange and water relations in the leaves of an exotic and native species from a Brazilian semiarid region under induced drought stress. <i>Australian Journal of Botany</i> , 2012, 60, 685.	0.3	22
2096	Bioremoval of an azo dye by <i>Azolla filiculoides</i> : Study of growth, photosynthetic pigments and antioxidant enzymes status. <i>International Biodeterioration and Biodegradation</i> , 2012, 75, 194-200.	1.9	50

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2097	Effect of fulvic acids on lead-induced oxidative stress to metal sensitive <i>Vicia faba</i> L. plant. <i>Biology and Fertility of Soils</i> , 2012, 48, 689-697.	2.3	94
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
2099	Retrieval of Vegetation Biophysical Parameters Using Gaussian Process Techniques. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 1832-1843.	2.7	201
2100	Fractionation and availability of heavy metals in tannery sludge-amended soil and toxicity assessment on the fully grown <i>Phaseolus vulgaris</i> cultivars. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 405-419.	0.9	8
2101	RESPONSES OF TWO LETTUCE CULTIVARS TO IRON DEFICIENCY. <i>Experimental Agriculture</i> , 2012, 48, 523-535.	0.4	7
2102	Effects of Manganese Deficiency on Growth and Contents of Active Constituents of <i>Glycyrrhiza uralensis</i> Fisch.. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 2218-2227.	0.6	4
2103	Coordinate changes in photosynthesis, sugar accumulation and antioxidative enzymes improve the performance of <i>Jatropha curcas</i> plants under drought stress. <i>Biomass and Bioenergy</i> , 2012, 45, 270-279.	2.9	67
2104	Effects of hematin and carbon monoxide on the salinity stress responses of <i>Cassia obtusifolia</i> L. seeds and seedlings. <i>Plant and Soil</i> , 2012, 359, 85-105.	1.8	44
2105	Seasonal variation in crassulacean acid metabolism by the aquatic isoetid <i>Littorella uniflora</i> . <i>Photosynthesis Research</i> , 2012, 112, 163-173.	1.6	3
2106	Enhanced Transformation of TNT by <i>Arabidopsis</i> Plants Expressing an Old Yellow Enzyme. <i>PLoS ONE</i> , 2012, 7, e39861.	1.1	17
2107	Reconstruction and Comparison of the Metabolic Potential of Cyanobacteria <i>Cyanothece</i> sp. ATCC 51142 and <i>Synechocystis</i> sp. PCC 6803. <i>PLoS ONE</i> , 2012, 7, e48285.	1.1	79
2108	Effects of Cadmium on Phenolic Composition and Antioxidant Activities of <i>Erica andevalensis</i> . <i>Journal of Botany</i> , 2012, 2012, 1-6.	1.2	59
2109	Discrimination of Switchgrass Cultivars and Nitrogen Treatments Using Pigment Profiles and Hyperspectral Leaf Reflectance Data. <i>Remote Sensing</i> , 2012, 4, 2576-2594.	1.8	40
2110	Leaf Physiological and Morphological Responses to Shade in Grass-Stage Seedlings and Young Trees of Longleaf Pine. <i>Forests</i> , 2012, 3, 684-699.	0.9	15
2111	Leaf Photosynthetic Metabolism and N ₂ Fixation at the Flowering Stage in Three Genotypes of Cowpea [<i>Vigna unguiculata</i> (L.) Walp.]. <i>Journal of Agricultural Science</i> , 2012, 4, .	0.1	2
2112	The studying effect of drought stress on germination, proline, sugar, lipid, protein and chlorophyll content in purslane (<i>Portulaca oleracea</i> L.) leaves. <i>Journal of Medicinal Plants Research</i> , 2012, 6, .	0.2	21
2113	Silicon-induced increase in chlorophyll is modulated by the leaf water potential in two water-deficient tomato cultivars. <i>Plant, Soil and Environment</i> , 2012, 58, 481-486.	1.0	61
2114	Humic acids of vermicompost as an ecological pathway to increase resistance of rice seedlings to water stress. <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	14

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2115	The Interaction Effect of Cadmium and Nitrogen on <i>Populus yunnanensis</i> . <i>Journal of Agricultural Science</i> , 2012, 4, .	0.1	1
2116	Map-Based Cloning of <i>zb7</i> Encoding an IPP and DMAPP Synthase in the MEP Pathway of Maize. <i>Molecular Plant</i> , 2012, 5, 1100-1112.	3.9	39
2117	Influence of light intensity on growth and physiological characteristics of common sage (<i>Salvia</i>). <i>Journal of Agricultural Science</i> , 2012, 4, .	0.5	10
2118	Relation of Chlorophyll Fluorescence Sensitive Reflectance Ratios to Carbon Flux Measurements of Montane Grassland and Norway Spruce Forest Ecosystems in the Temperate Zone. <i>Scientific World Journal</i> , The, 2012, 2012, 1-13.	0.8	2
2119	Physiological Responses of Callus from <i>Gerbera jamesonii</i> Bolus ex. Hook f. to Gamma Irradiation. <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 411-416.	0.5	7
2120	Water-deficit tolerant classification in mutant lines of indica rice. <i>Scientia Agricola</i> , 2012, 69, 135-141.	0.6	12
2121	Potential of macrophyte for removing arsenic from aqueous solution. <i>Planta Daninha</i> , 2012, 30, 683-696.	0.5	26
2122	Oxidative stress in five wheat varieties (<i>Triticum aestivum</i> L.) exposed to water stress and study of their antioxidant enzyme defense system, water stress responsive metabolites and H ₂ O ₂ accumulation. <i>Brazilian Journal of Plant Physiology</i> , 2012, 24, 117-130.	0.5	78
2123	Chlorophyll Fluorescence as a Tool in Evaluating the Effects of ABA Content and Ethylene Inhibitors on Quality of Flowering Potted <i>Bougainvillea</i> . <i>Scientific World Journal</i> , The, 2012, 2012, 1-11.	0.8	5
2124	Toxic action of aqueous wheat straw extract on horse purslane. <i>Planta Daninha</i> , 2012, 30, 269-278.	0.5	14
2125	Morphological and physiological adjustments of Brazilwood (<i>Caesalpinia echinata</i> Lam.) to direct solar radiation. <i>Brazilian Journal of Plant Physiology</i> , 2012, 24, 161-172.	0.5	14
2126	Response of sun- and shade-adapted plants of <i>Haberlea rhodopensis</i> to desiccation. <i>Plant Growth Regulation</i> , 2012, 67, 121-132.	1.8	19
2127	<i>Burkholderia phytofirmans</i> Acclimates Grapevine to Cold by Modulating Carbohydrate Metabolism. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 496-504.	1.4	199
2128	Differential effects of nitrogen and sulfur deprivation on growth and biodiesel feedstock production of <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology and Bioengineering</i> , 2012, 109, 1947-1957.	1.7	195
2129	Cloning and functional analysis of CDS_CCI2: a <i>Tanacetum cinerariaefolium</i> chrysanthemyl diphosphate synthase gene. <i>Plant Growth Regulation</i> , 2012, 67, 161-169.	1.8	7
2130	Chlorophyll Revisited: Anti-inflammatory Activities of Chlorophyll a and Inhibition of Expression of TNF- α Gene by the Same. <i>Inflammation</i> , 2012, 35, 959-966.	1.7	81
2131	Carbon metabolism and energy conversion of <i>Synechococcus</i> sp. PCC 7942 under mixotrophic conditions: comparison with photoautotrophic condition. <i>Journal of Applied Phycology</i> , 2012, 24, 657-668.	1.5	43
2132	Performance of <i>Chlorella sorokiniana</i> under simulated extreme winter conditions. <i>Journal of Applied Phycology</i> , 2012, 24, 693-699.	1.5	43

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2133	Screening for a low-cost <i>Haematococcus pluvialis</i> medium reveals an unexpected impact of a low N/P ratio on vegetative growth. <i>Journal of Applied Phycology</i> , 2012, 24, 365-373.	1.5	37
2134	Foliar anthocyanins in <i>Pelargonium Ã— hortorum</i> are unable to alleviate light stress under photoinhibitory conditions. <i>Photosynthetica</i> , 2012, 50, 254-262.	0.9	17
2135	Effects of salinity on physiological responses and the photochemical reflectance index in two co-occurring coastal shrubs. <i>Plant and Soil</i> , 2012, 354, 45-55.	1.8	34
2136	Molybdenum improves antioxidant and osmotic-adjustment ability against salt stress in Chinese cabbage (<i>Brassica campestris</i> L. ssp. <i>Pekinensis</i>). <i>Plant and Soil</i> , 2012, 355, 375-383.	1.8	72
2137	Characterization of photosynthesis in <i>Arabidopsis</i> ER-to-plastid lipid trafficking mutants. <i>Photosynthesis Research</i> , 2012, 112, 49-61.	1.6	13
2138	Screening sugarcane (<i>Saccharum</i> sp.) genotypes for salt tolerance using multivariate cluster analysis. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 23-33.	1.2	32
2139	Bioprospecting and indexing the microalgal diversity of different ecological habitats of India. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1657-1667.	1.7	27
2140	Effect of Pb toxicity on leaf growth, antioxidant enzyme activities, and photosynthesis in cuttings and seedlings of <i>Jatropha curcas</i> L.. <i>Environmental Science and Pollution Research</i> , 2012, 19, 893-902.	2.7	150
2141	Temperature influence on silver nanoparticles inhibitory effect on photosystem II photochemistry in two green algae, <i>Chlorella vulgaris</i> and <i>Dunaliella tertiolecta</i> . <i>Environmental Science and Pollution Research</i> , 2012, 19, 1755-1762.	2.7	72
2142	In vitro flowering of indica rice (<i>Oryza sativa</i> L. ssp. <i>indica</i>). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2012, 48, 259-264.	0.9	4
2143	Differences in physiological adaptation of <i>Haberlea rhodopensis</i> Friv. leaves and roots during dehydrationâ€”rehydration cycle. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 947-955.	1.0	11
2144	Comparative study on energy partitioning in photosystem II of two <i>Arabidopsis thaliana</i> mutants with reduced non-photochemical quenching capacity. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1027-1034.	1.0	6
2145	Do plant chloroplasts contain histidine kinases?. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1153-1164.	1.0	0
2146	Oxidative stress in greater duckweed (<i>Spirodela polyrhiza</i>) caused by long-term NaCl exposure. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1165-1176.	1.0	31
2147	Accumulation and toxic effects of chromium and zinc in <i>Iris pseudacorus</i> L.. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1217-1228.	1.0	42
2148	Glutathione-Mediated Alleviation of Chromium Toxicity in Rice Plants. <i>Biological Trace Element Research</i> , 2012, 148, 255-263.	1.9	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.	2.8	67
2150	Experimental sink removal induces stress responses, including shifts in amino acid and phenylpropanoid metabolism, in soybean leaves. <i>Planta</i> , 2012, 235, 939-954.	1.6	12

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2151	Non-enzymatic antioxidative defence in drought-stressed mulberry (<i>Morus indica</i> L.) genotypes. <i>Trees - Structure and Function</i> , 2012, 26, 903-918.	0.9	20
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.	0.9	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.	0.9	115
2154	Alleviation of exogenous oligochitosan on wheat seedlings growth under salt stress. <i>Protoplasma</i> , 2012, 249, 393-399.	1.0	68
2155	Improved drought resistance in a wheat stay-green mutant <i>tasg1</i> under field conditions. <i>Biologia Plantarum</i> , 2012, 56, 509-515.	1.9	37
2156	Could shading reduce the negative impacts of drought on coffee? A morphophysiological analysis. <i>Physiologia Plantarum</i> , 2012, 144, 111-122.	2.6	75
2157	Effects of Bois noir on carbon assimilation, transpiration, stomatal conductance of leaves and yield of grapevine (<i>Vitis vinifera</i>) cv. Chardonnay. <i>Physiologia Plantarum</i> , 2012, 145, 286-295.	2.6	31
2158	Overexpression of <i>Brassica juncea</i> wild-type and mutant HMG-CoA synthase 1 in <i>Arabidopsis</i> up-regulates genes in sterol biosynthesis and enhances sterol production and stress tolerance. <i>Plant Biotechnology Journal</i> , 2012, 10, 31-42.	4.1	111
2159	Small CAB-like proteins prevent formation of singlet oxygen in the damaged photosystem II complex of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant, Cell and Environment</i> , 2012, 35, 806-818.	2.8	45
2160	Adaptive strategies of <i>Parietaria diffusa</i> (M.&K.) to calcareous habitat with limited iron availability*. <i>Plant, Cell and Environment</i> , 2012, 35, 1171-1184.	2.8	38
2161	Photo-Fenton plus <i>Solanum nigrum</i> L. weed plants integrated process for the abatement of highly concentrated metalaxyl on waste waters. <i>Chemical Engineering Journal</i> , 2012, 184, 213-220.	6.6	15
2162	Zinc tolerance and accumulation in the salt-marsh shrub <i>Halimione portulacoides</i> . <i>Chemosphere</i> , 2012, 86, 867-874.	4.2	78
2163	Subcellular distribution and toxicity of cadmium in <i>Potamogeton crispus</i> L.. <i>Chemosphere</i> , 2012, 89, 114-120.	4.2	59
2164	Detecting powdery mildew of winter wheat using leaf level hyperspectral measurements. <i>Computers and Electronics in Agriculture</i> , 2012, 85, 13-23.	3.7	157
2165	Glutathione depletion in healthy cadmium-exposed <i>Erica andevalensis</i> . <i>Environmental and Experimental Botany</i> , 2012, 75, 159-166.	2.0	16
2166	Metal accumulation and response of antioxidant enzymes in seedlings and adult sunflower mutants with improved metal removal traits on a metal-contaminated soil. <i>Environmental and Experimental Botany</i> , 2012, 76, 39-48.	2.0	57
2167	Varying leaf-to-fruit ratios affect branch growth and dieback, with little to no effect on photosynthesis, carbohydrate or mineral pools, in different canopy positions of field-grown coffee trees. <i>Environmental and Experimental Botany</i> , 2012, 77, 207-218.	2.0	33
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.	2.0	40

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2169	Responses of native broadleaved woody species to elevated ozone in subtropical China. <i>Environmental Pollution</i> , 2012, 163, 149-157.	3.7	78
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.	0.5	23
2171	Plastoquinol is more active than β -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.	0.5	50
2172	Singlet oxygen and non-photochemical quenching contribute to oxidation of the plastoquinone-pool under high light stress in <i>Arabidopsis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 705-710.	0.5	24
2173	Extinction coefficient for red-shifted chlorophylls: Chlorophyll d and chlorophyll f. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1292-1298.	0.5	124
2174	Tolerance to and accumulation of arsenic in the cordgrass <i>Spartina densiflora</i> Brongn. <i>Bioresource Technology</i> , 2012, 104, 187-194.	4.8	33
2175	Impacts of leafroll-associated viruses (GLRaV-1 and GLRaV-3) on the physiology of the Portuguese grapevine cultivar Touriga Nacional™ growing under field conditions. <i>Annals of Applied Biology</i> , 2012, 160, 237-249.	1.3	46
2176	Elevated CO ₂ may impair the beneficial effect of arbuscular mycorrhizal fungi on the mineral and phytochemical quality of lettuce. <i>Annals of Applied Biology</i> , 2012, 161, 180-191.	1.3	49
2177	Tolerance and accumulation of copper in the salt-marsh shrub <i>Halimione portulacoides</i> . <i>Marine Pollution Bulletin</i> , 2012, 64, 721-728.	2.3	28
2178	Overexpression of Suaeda salsa stroma ascorbate peroxidase in Arabidopsis chloroplasts enhances salt tolerance of plants. <i>South African Journal of Botany</i> , 2012, 78, 235-245.	1.2	71
2179	Spectroscopic studies of photosynthetic responses of tomato plants to the interaction of zinc and cadmium toxicity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 111, 9-16.	1.7	33
2180	Differential tissue distribution of metabolites in <i>Jacobaea vulgaris</i> , <i>Jacobaea aquatica</i> and their crosses. <i>Phytochemistry</i> , 2012, 78, 89-97.	1.4	33
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.	2.8	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.	2.8	32
2183	Development and recovery of iron deficiency by iron resupply to roots or leaves of strawberry plants. <i>Plant Physiology and Biochemistry</i> , 2012, 53, 1-5.	2.8	44
2184	Chromium (VI) induces toxicity at different photosynthetic levels in pea. <i>Plant Physiology and Biochemistry</i> , 2012, 53, 94-100.	2.8	130
2185	Phytostabilization of nickel by the zinc and cadmium hyperaccumulator <i>Solanum nigrum</i> L. Are metallothioneins involved?. <i>Plant Physiology and Biochemistry</i> , 2012, 57, 254-260.	2.8	57
2186	Refinements of the attending equations for several spectral methods that provide improved quantification of β -carotene and/or lycopene in selected foods. <i>Postharvest Biology and Technology</i> , 2012, 66, 16-22.	2.9	20

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2187	Effect of meta-topolin on leaf senescence and rooting in <i>Pelargonium</i> —hortorum cuttings. <i>Postharvest Biology and Technology</i> , 2012, 63, 107-110.	2.9	26
2188	Cu-mediated biomass productivity enhancement and lutein enrichment of the novel microalga <i>Coccomyxa onubensis</i> . <i>Process Biochemistry</i> , 2012, 47, 694-700.	1.8	43
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.	6.5	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.	2.0	22
2191	Metal-metabolomics of microalga <i>Chlorella sorokiniana</i> growing in selenium- and iodine-enriched media. <i>Chemical Papers</i> , 2012, 66, .	1.0	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.	0.8	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.	2.8	103
2194	Cytokinin-facilitated proteolysis of ARABIDOPSIS RESPONSE REGULATOR2 attenuates signaling output in two-component circuitry. <i>Plant Journal</i> , 2012, 69, 934-945.	2.8	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.	4.1	128
2196	Manipulation of monoubiquitin improves salt tolerance in transgenic tobacco. <i>Plant Biology</i> , 2012, 14, 315-324.	1.8	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.	1.8	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.	1.8	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.	1.7	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.	0.2	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.	0.5	8
2202	Antioxidant responses of pea genotypes to zinc deficiency. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 198-205.	0.5	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.	0.5	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.	0.5	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.	1.7	97
2206	Accelerated leaf senescence takes part in enhanced resistance in cucumber mosaic virus inoculated pepper leaves. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 181-190.	1.0	4
2207	Physiological and molecular responses of two <i>Arabidopsis</i> accessions to calcium amendment and salt constraint. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 439-450.	1.0	5
2208	Effects of Endo- and Ectomycorrhizal Fungi on Physiological Parameters and Heavy Metals Accumulation of Two Species from the Family Salicaceae. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 399-410.	1.1	40
2209	Improving low-temperature tolerance in sugarcane by expressing the <i>ipt</i> gene under a cold inducible promoter. <i>Biologia Plantarum</i> , 2012, 56, 71-77.	1.9	52
2210	Effects of abscisic acid on content and biosynthesis of terpenoids in <i>Cannabis sativa</i> at vegetative stage. <i>Biologia Plantarum</i> , 2012, 56, 153-156.	1.9	33
2211	Enhanced antioxidant protection at the early stages of leaf expansion in ginkgo under natural environmental conditions. <i>Biologia Plantarum</i> , 2012, 56, 181-186.	1.9	10
2212	Effect of 24-epibrassinolide on drought stress-induced changes in <i>Chorispora bungeana</i> . <i>Biologia Plantarum</i> , 2012, 56, 192-196.	1.9	99
2213	Near-Infrared Aerial Crop Mark Archaeology: From its Historical Use to Current Digital Implementations. <i>Journal of Archaeological Method and Theory</i> , 2012, 19, 132-160.	1.4	52
2214	Effects of lead on the growth, lead accumulation and physiological responses of <i>Pluchea sagittalis</i> . <i>Ecotoxicology</i> , 2012, 21, 111-123.	1.1	63
2215	Micro-scale chlorophyll analysis and developmental expression of a cytokinin oxidase/dehydrogenase gene during leaf development and senescence. <i>Plant Growth Regulation</i> , 2012, 66, 95-99.	1.8	9
2216	Important photosynthetic contribution from the non-foliar green organs in cotton at the late growth stage. <i>Planta</i> , 2012, 235, 325-336.	1.6	53
2217	Physiological responses of soil crust-forming cyanobacteria to diurnal temperature variation. <i>Journal of Basic Microbiology</i> , 2013, 53, 72-80.	1.8	18
2218	Exploring nutritional modes of cultivation for enhancing lipid accumulation in microalgae. <i>Journal of Basic Microbiology</i> , 2013, 53, 440-450.	1.8	41
2219	Effect of partial or complete elimination of light-harvesting complexes on the surface electric properties and the functions of cyanobacterial photosynthetic membranes. <i>Physiologia Plantarum</i> , 2013, 147, 248-260.	2.6	8
2220	Physiological and biochemical responses of <i>Quercus pubescens</i> to air warming and drought on acidic and calcareous soils. <i>Plant Biology</i> , 2013, 15, 157-168.	1.8	33
2221	Simple extraction methods that prevent the artifactual conversion of chlorophyll to chlorophyllide during pigment isolation from leaf samples. <i>Plant Methods</i> , 2013, 9, 19.	1.9	99
2222	Effect of Phosphorus Nutrition on Growth and Physiology of Cotton Under Ambient and Elevated Carbon Dioxide. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 436-448.	1.7	45

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2224	Carotenoid-Lipid Interactions. <i>Behavior Research Methods</i> , 2013, 17, 215-236.	2.3	22
2225	Phosphorus deficiency restricts plant growth but induces pigment formation in the flower stalk of Chinese kale. <i>Horticulture Environment and Biotechnology</i> , 2013, 54, 243-248.	0.7	17
2226	Developmental changes in energy dissipation in etiolated wheat seedlings during the greening process. <i>Photosynthetica</i> , 2013, 51, 497-508.	0.9	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.). <i>Photosynthetica</i> , 2013, 51, 411-418.	0.9	23
2228	Diurnal changes in photosynthesis and antioxidants of <i>Angelica sinensis</i> as influenced by cropping systems. <i>Photosynthetica</i> , 2013, 51, 252-258.	0.9	21
2229	Photosynthesis, energy partitioning, and metabolic adjustments of the endangered Cistaceae species <i>Tuberaria major</i> under high temperature and drought. <i>Photosynthetica</i> , 2013, 51, 75-84.	0.9	22
2230	The myristoylated amino-terminus of an <i>Arabidopsis</i> calcium-dependent protein kinase mediates plasma membrane localization. <i>Plant Molecular Biology</i> , 2013, 82, 267-278.	2.0	54
2231	Isolates of dark septate endophytes reduce metal uptake and improve physiology of <i>Salix caprea</i> L.. <i>Plant and Soil</i> , 2013, 370, 593-604.	1.8	102
2232	Growth and survival of cork oak (<i>Quercus suber</i>) seedlings after simulated partial cotyledon consumption under different soil nutrient contents. <i>Plant and Soil</i> , 2013, 370, 381-392.	1.8	15
2233	Chlorophyll fluorescence kinetics, photosynthetic activity, and pigment composition of blue-shade and half-shade leaves as compared to sun and shade leaves of different trees. <i>Photosynthesis Research</i> , 2013, 117, 355-366.	1.6	62
2234	NMR (1H) analysis of crude extracts detects light stress in <i>Beta vulgaris</i> and <i>Spinacia oleracea</i> leaves. <i>Photosynthesis Research</i> , 2013, 115, 115-122.	1.6	7
2235	Nitric oxide alleviates arsenic-induced toxic effects in ridged <i>Luffa</i> seedlings. <i>Plant Physiology and Biochemistry</i> , 2013, 71, 155-163.	2.8	122
2236	Anti-inflammatory activity of lycopene isolated from <i>Chlorella marina</i> on Type II Collagen induced arthritis in Sprague Dawley rats. <i>Immunopharmacology and Immunotoxicology</i> , 2013, 35, 282-291.	1.1	45
2237	Effects of dehydration and rehydration on the leaf lipids and lipid metabolism in <i>Parkinsonia aculeata</i> (Caesalpinaceae). <i>Botany</i> , 2013, 91, 505-513.	0.5	9
2238	Water stress impact on young seedling growth of <i>Acacia arabica</i> . <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2157-2169.	1.0	20
2239	Regulation of some carbohydrate metabolism-related genes, starch and soluble sugar contents, photosynthetic activities and yield attributes of two contrasting rice genotypes subjected to salt stress. <i>Protoplasma</i> , 2013, 250, 1157-1167.	1.0	105
2240	ZnO Nanoparticle Biosynthesis and Its Effect on Phosphorous-Mobilizing Enzyme Secretion and Gum Contents in Clusterbean (<i>Cyamopsis tetragonoloba</i> L.). <i>Agricultural Research</i> , 2013, 2, 48-57.	0.9	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.	1.2	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.	2.8	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 tricorutum</i> (Bacillariophyceae) cultures grown outdoors in tubular photobioreactors and open ponds. <i>Biomass and Bioenergy</i> , 2013, 54, 115-122.	2.9	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.	0.9	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.	1.5	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.	1.6	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.	1.6	151
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2251	Aluminum inhibits root growth and induces hydrogen peroxide accumulation in <i>Plantago algarbiensis</i> and <i>P. almogravensis</i> seedlings. <i>Protoplasma</i> , 2013, 250, 1295-1302.	1.0	5
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.	2.6	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.	1.7	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.	2.9	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.	0.9	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.	2.9	56
2257	Apples Nutraceutical Properties Evaluation Through a Visible and Near-Infrared Portable System. <i>Food and Bioprocess Technology</i> , 2013, 6, 2547-2554.	2.6	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.	1.9	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.	0.5	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.	0.9	29
2261	Developmental variations in sesquiterpenoid biosynthesis in East Indian sandalwood tree (<i>Santalum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	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.	2.8	153
2263	Response of the antioxidant system of light-demanding and shade-bearing pine species to phytoecenotic stress. <i>Contemporary Problems of Ecology</i> , 2013, 6, 149-155.	0.3	4
2264	<i>Penicillium</i> sp. mitigates <i>Fusarium</i> -induced biotic stress in sesame plants. <i>Biotechnology Letters</i> , 2013, 35, 1073-1078.	1.1	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.	1.2	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.	0.5	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.	4.2	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.	0.5	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.	0.5	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.	0.5	10
2271	<i>Chara</i> can outcompete <i>Myriophyllum</i> under low phosphorus supply. <i>Aquatic Sciences</i> , 2013, 75, 457-467.	0.6	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.	1.3	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.	2.7	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.	2.7	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.	2.7	12
2276	Sublethal detergent concentrations increase metabolization of recalcitrant polyphosphonates by the cyanobacterium <i>Spirulina platensis</i> . <i>Environmental Science and Pollution Research</i> , 2013, 20, 3263-3270.	2.7	7

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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.	2.8	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.	1.1	20
2283	Contribution of cuticular photosynthesis to bud development in African baobab (<i>Adansonia digitata</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1-5.	2.0	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.	1.0	14
2285	Interactive effects of excessive potassium and Mg deficiency on safflower. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2737-2745.	1.0	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.	1.0	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.	1.0	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.	1.0	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.	1.0	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.	0.2	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.	1.4	4
2292	Analysis of gibberellins as free acids by ultra performance liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2013, 112, 85-94.	2.9	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.	1.0	19
2294	Calcium-mediated responses and glutamine synthetase expression in greater duckweed (<i>Spirodela</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1,9	1.9	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.	0.8	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.	1.7	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.	1.1	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.	1.7	50
2299	Impact of nano-CuO stress on rice (<i>Oryza sativa</i> L.) seedlings. <i>Chemosphere</i> , 2013, 93, 906-915.	4.2	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.	1.0	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.	1.9	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.	1.8	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.	3.1	145
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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.	1.7	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.	1.5	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.	1.9	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.	0.6	14
2309	Anthocyanin contribution to chlorophyll meter readings and its correction. <i>Photosynthesis Research</i> , 2013, 118, 277-295.	1.6	23
2310	A knockdown mutation of YELLOW-GREEN LEAF2 blocks chlorophyll biosynthesis in rice. <i>Plant Cell Reports</i> , 2013, 32, 1855-1867.	2.8	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.	2.0	12

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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.	0.9	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.	4.2	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.	1.6	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.	3.2	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.	2.9	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.	3.2	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.	3.1	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.	1.0	19
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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.	1.7	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.	2.9	24
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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.	2.0	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.	1.0	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.	1.8	27

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2333	A receptor-like kinase gene (GbRLK) from <i>Gossypium barbadense</i> enhances salinity and drought-stress tolerance in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2013, 13, 110.	1.6	77
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2341	Simultaneous esterification, transesterification and chlorophyll removal from green seed canola oil using solid acid catalysts. <i>Catalysis Today</i> , 2013, 207, 74-85.	2.2	36
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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.	0.5	14
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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.	0.5	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.	0.2	5
2347	EXOGENOUS APPLICATION OF POTASSIUM NITRATE TO ALLEVIATE SALT STRESS IN RICE SEEDLINGS. <i>Journal of Plant Nutrition</i> , 2013, 36, 607-616.	0.9	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.	1.7	20

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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.	0.8	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.	4.2	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.	1.9	39
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2357	Effects of 1-octyl-3-methylimidazolium bromide on the antioxidant system of <i>Lemna minor</i> . <i>Protoplasma</i> , 2013, 250, 103-110.	1.0	72
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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.	0.6	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.	2.0	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
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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.	3.1	82
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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.	2.9	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.	2.9	67
2372	Polyphasic chlorophyll a fluorescence kinetics and leaf protein analyses to track dynamics of photosynthetic performance in mulberry during progressive drought. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 119, 71-83.	1.7	76
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.	1.6	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.	1.7	27
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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.	4.8	6
2377	<i>Lemna minor</i> exposed to fluoranthene: Growth, biochemical, physiological and histochemical changes. <i>Aquatic Toxicology</i> , 2013, 140-141, 37-47.	1.9	77
2378	Isolation and expression profiling of GhNAC transcription factor genes in cotton (<i>Gossypium</i>) Tj ETQq1 1 0.784314 _{1.8} rgBT /Overlock 10 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.	1.7	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.	1.6	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.	1.7	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.	1.7	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.	2.3	19
2384	Mutation of OsDET1 increases chlorophyll content in rice. <i>Plant Science</i> , 2013, 210, 241-249.	1.7	22

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2385	Quantification of leaf pigments in soybean (<i>Glycine max</i> (L.) Merr.) based on wavelet decomposition of hyperspectral features. <i>Field Crops Research</i> , 2013, 149, 20-32.	2.3	26
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.	1.6	17
2387	Evaluation of antioxidant enzymes activities and identification of intermediate products during phytoremediation of an anionic dye (C.I. Acid Blue 92) by pennywort (<i>Hydrocotyle vulgaris</i>). <i>Journal of Environmental Sciences</i> , 2013, 25, 2214-2222.	3.2	24
2388	Substrate amendment mediated enhancement of the valorization potential of microalgal lipids. <i>Biocatalysis and Agricultural Biotechnology</i> , 2013, 2, 240-246.	1.5	3
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.	1.0	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.	1.0	19
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2392	Redirecting Photosynthetic Reducing Power toward Bioactive Natural Product Synthesis. <i>ACS Synthetic Biology</i> , 2013, 2, 308-315.	1.9	85
2393	Ionizing radiation induced changes in phenotype, photosynthetic pigments and free polyamine levels in <i>Vigna radiata</i> (L.) Wilczek. <i>Applied Radiation and Isotopes</i> , 2013, 75, 44-49.	0.7	12
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.	1.0	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.	1.7	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.	2.7	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.	0.9	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.	2.3	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.	0.5	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.	4.2	12
2401	NUTRIENT SEQUESTRATION, BIOMASS PRODUCTION BY MICROALGAE AND PHYTOREMEDIATION OF SEWAGE WATER. <i>International Journal of Phytoremediation</i> , 2013, 15, 789-800.	1.7	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.	2.8	48

#	ARTICLE	IF	CITATIONS
2403	Effect of silver nanoparticles on <i>Oryza sativa</i> L. and its rhizosphere bacteria. <i>Ecotoxicology and Environmental Safety</i> , 2013, 88, 48-54.	2.9	247
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.	2.7	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.	2.8	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.	0.1	8
2407	A high rate ponding unit operation linking treatment of tannery effluent and <i>Arthrospira</i> (<i>Spirulina</i>) biomass production. 1: Process development. <i>Biomass and Bioenergy</i> , 2013, 51, 183-188.	2.9	4
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.	1.7	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.	2.8	8
2410	CCD study on the ecophysiological effects of heavy metals on <i>Lemna gibba</i> . <i>Ecological Engineering</i> , 2013, 57, 302-313.	1.6	42
2411	Some ecophysiological characteristics of artÃ (Calligonum comosum ½ HÃ©rit) in response to drought stress. <i>Forest Science and Practice</i> , 2013, 15, 114-120.	0.2	7
2412	Overexpression of a novel salt stress-induced glycine-rich protein gene from alfalfa causes salt and ABA sensitivity in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2013, 32, 1289-1298.	2.8	39
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.	1.0	28
2414	Comparative Proteome Analyses Reveal that Nitric Oxide Is an Important Signal Molecule in the Response of Rice to Aluminum Toxicity. <i>Journal of Proteome Research</i> , 2013, 12, 1316-1330.	1.8	88
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	1.8	78
2416	Comparison of bioactive phytochemical content and release of isothiocyanates in selected brassica sprouts. <i>Food Chemistry</i> , 2013, 141, 297-303.	4.2	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.	2.4	21
2418	Reduced light-harvesting antenna: Consequences on cyanobacterial metabolism and photosynthetic productivity. <i>Algal Research</i> , 2013, 2, 188-195.	2.4	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.	0.3	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.	1.1	10

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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.	1.7	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.	2.5	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.	2.4	46
2426	The response of maize seedlings to cadmium stress under hydroponic conditions. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 295-299.	0.5	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.	1.6	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.	2.0	105
2431	A WRKY gene from <i>Tamarix hispida</i> , ThWRKY4, mediates abiotic stress responses by modulating reactive oxygen species and expression of stress-responsive genes. <i>Plant Molecular Biology</i> , 2013, 82, 303-320.	2.0	82
2432	Growth and photosynthetic responses to copper in wild grapevine. <i>Chemosphere</i> , 2013, 93, 294-301.	4.2	59
2433	Hybrid larch (<i>Larix x eurolepis</i> Henry): a good candidate for cadmium phytoremediation?. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1889-1894.	2.7	11
2434	Evaluation of zinc tolerance and accumulation potential of the coastal shrub <i>Limoniastrum monopetalum</i> (L.) Boiss.. <i>Environmental and Experimental Botany</i> , 2013, 85, 50-57.	2.0	32
2435	Antioxidant and photosynthetic response of a purple-leaved and a green-leaved cultivar of sweet basil (<i>Ocimum basilicum</i>) to boron excess. <i>Environmental and Experimental Botany</i> , 2013, 85, 64-75.	2.0	88
2436	Drought stress response in <i>Jatropha curcas</i> : Growth and physiology. <i>Environmental and Experimental Botany</i> , 2013, 85, 76-84.	2.0	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.	2.5	28
2438	Evaluation of the antioxidant activities and nutritional properties of ten edible plant extracts and their application to fresh ground beef. <i>Meat Science</i> , 2013, 93, 715-722.	2.7	94

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2440	Interaction of Cucumber mosaic virus and Bean yellow mosaic virus in co-infected plants of bean and broad bean. <i>Archives of Phytopathology and Plant Protection</i> , 2013, 46, 1081-1092.	0.6	2
2441	Leaf senescence in tomato mutants as affected by irradiance and phytohormones. <i>Biologia Plantarum</i> , 2013, 57, 749-757.	1.9	21
2442	Silicon mitigates the Cd toxicity in maize in relation to cadmium translocation, cell distribution, antioxidant enzymes stimulation and enhanced endodermal apoplasmic barrier development. <i>Plant Growth Regulation</i> , 2013, 70, 89-103.	1.8	136
2443	A dual role of tobacco hexokinase 1 in primary metabolism and sugar sensing. <i>Plant, Cell and Environment</i> , 2013, 36, 1311-1327.	2.8	64
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2446	Oxidative stress, protein carbonylation, proteolysis and antioxidative defense system as a model for depicting water deficit tolerance in Indica rice seedlings. <i>Plant Growth Regulation</i> , 2013, 69, 149-165.	1.8	38
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2451	The influence of inorganic nitrogen fertilizer forms on micronutrient retranslocation and accumulation in grains of winter wheat. <i>Frontiers in Plant Science</i> , 2013, 4, 320.	1.7	57
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2454	Overexpression of plastidial thioredoxins f and m differentially alters photosynthetic activity and response to oxidative stress in tobacco plants. <i>Frontiers in Plant Science</i> , 2013, 4, 390.	1.7	31
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. <i>Water S A</i> , 2013, 39, .	0.2	5
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2458	Distinct Physiological Responses Underlie Defoliation Tolerance in African Lawn and Bunch Grasses. International Journal of Plant Sciences, 2013, 174, 769-778.	0.6	24
2459	Internal Reflectance Modelling of <i>Hordeum vulgare</i> Leaves During Drying. Journal of Chemistry, 2013, 2013, 1-7.	0.9	0
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2465	Interactive effects of elevated temperature and CO ₂ on two phylogeographically distinct clones of common reed (<i>Phragmites australis</i>). AoB PLANTS, 2013, 5, .	1.2	18
2466	Photosynthesis of co-existing <i>Phragmites</i> haplotypes in their non-native range: are characteristics determined by adaptations derived from their native origin?. AoB PLANTS, 2013, 5, .	1.2	14
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2477	NaOH treatment reduces capsaicin content and pungency of <i>Makdoniko</i> ™ pepper (<i> Capsicum annuum</i> L.). <i>International Journal of Food Science and Technology</i> , 2013, 48, 2207-2213.	1.3	1
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2488	Towards the two-dimensional imaging of spontaneous ultra-weak photon emission from microbial, plant and animal cells. <i>Scientific Reports</i> , 2013, 3, 1211.	1.6	47
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2494	Effect of Nanosilver on Physiological Performance of Pelargonium Plants Exposed to Dark Storage. <i>Journal of Horticultural Research</i> , 2013, 21, 15-20.	0.4	36
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2501	Optimization of virus-induced gene silencing in pepper (<i>Capsicum annuum</i> L.). <i>Genetics and Molecular Research</i> , 2013, 12, 2492-2506.	0.3	28
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2536	Hyperspectral Detection of a Subsurface CO ₂ Leak in the Presence of Water Stressed Vegetation. <i>PLoS ONE</i> , 2014, 9, e108299.	1.1	42
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2541	Germination and Early Growth of <i>Brassica juncea</i> in Copper Mine Tailings Amended with Technosol and Compost. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	9
2542	Morphological and Photosynthetic Response to High and Low Irradiance of <i>Aeschynanthus longicaulis</i> . <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	19
2543	The Epiphytic Fern <i>Elaphoglossum luridum</i> (FÄ©e) Christ. (Dryopteridaceae) from Central and South America: Morphological and Physiological Responses to Water Stress. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	5
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2558	Spectral indices for the detection of salinity effects in melon plants. <i>Scientia Agricola</i> , 2014, 71, 324-330.	0.6	52
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2561	Desempenho ecofisiolÃ³gico de milho, sorgo e braquiÃ¡ria sob dÃ©ficit hÃ¡drico e reidrataÃ§Ã£o. <i>Bragantia</i> , 2014, 73, 203-212.	1.3	5
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2573	Effect of naphthalene on photosystem 2 photochemical activity of pea plants. <i>Biochemistry (Moscow)</i> , 2014, 79, 1216-1225.	0.7	21
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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/Overl	1.5	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.	0.3	7
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2586	Removal of landfill leachate toxicity and genotoxicity by two treatment methods. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2014, 65, 89-99.	0.4	9
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2591	Copper oxide nanoparticle toxicity in mung bean (<i>Vigna radiata</i> L.) seedlings: physiological and molecular level responses of in vitro grown plants. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2947-2958.	1.0	121
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2594	Sexually different physiological responses of <i>Populus cathayana</i> to nitrogen and phosphorus deficiencies. <i>Tree Physiology</i> , 2014, 34, 343-354.	1.4	102
2595	Effects of boron toxicity on root and leaf anatomy in two Citrus species differing in boron tolerance. <i>Trees - Structure and Function</i> , 2014, 28, 1653-1666.	0.9	56
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2597	Can frequent precipitation moderate the impact of drought on peatmoss carbon uptake in northern peatlands?. <i>New Phytologist</i> , 2014, 203, 70-80.	3.5	57
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2652	Accumulation of heavy metals using <i>Sorghum</i> sp.. <i>Chemosphere</i> , 2014, 104, 15-24.	4.2	101
2653	Morphological and physiological analysis of narrow and striped leaf 1 (nsl1) mutant of rice (<i>Oryza</i>)	1.7	10
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2670	Influence of furostanol glycosides treatments on strawberry (Fragaria × ananassa Duch.) growth and photosynthetic characteristics under drought condition. Scientia Horticulturae, 2014, 169, 179-188.	1.7	12
2671	Closely related freshwater macrophyte species, <i>Ceratophyllum demersum</i> and <i>C. submersum</i> , differ in temperature response. Freshwater Biology, 2014, 59, 777-788.	1.2	7
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2688	Tomato GOLDEN2-LIKE Transcription Factors Reveal Molecular Gradients That Function during Fruit Development and Ripening. <i>Plant Cell</i> , 2014, 26, 585-601.	3.1	193
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2694	Fouling-Resistant Behavior of Silver Nanoparticle-Modified Surfaces against the Bioadhesion of Microalgae. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3829-3838.	4.0	71
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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.	1.6	13
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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.	0.5	26
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2725	The alleviating effects of selenium and salicylic acid in salinity exposed soybean. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 3199-3205.	1.0	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.	1.7	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.	1.6	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.	2.4	245

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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.	2.4	81
2731	Anatomical alterations of <i>Pithecolobium haseolus vulgare</i> mature leaves irradiated with X-rays. <i>Plant Biology</i> , 2014, 16, 187-193.	1.8	31
2732	Effects of inorganic nitrogen form on growth, morphology, N uptake, and nutrient allocation in hybrid Napier grass (<i>Pennisetum purpureum</i> L. × <i>Pennisetum americanum</i> cv. Pakchong1). <i>Ecological Engineering</i> , 2014, 73, 653-658.	1.6	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.	0.9	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.	0.8	45
2735	Effects of CO ₂ enrichment on photosynthesis and growth in <i>Gerbera jamesonii</i> . <i>Scientia Horticulturae</i> , 2014, 177, 77-84.	1.7	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.	4.8	208
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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.	1.7	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.	1.7	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.	2.2	69
2741	Physiological and molecular responses to drought stress in rubber tree (<i>Hevea brasiliensis</i> Muell.)	2.8	66
2742	Achieving solar overall water splitting with hybrid photosystems of photosystem II and artificial photocatalysts. <i>Nature Communications</i> , 2014, 5, 4647.	5.8	151
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2744	Impacts of rising tropospheric ozone on photosynthesis and metabolite levels on field grown soybean. <i>Plant Science</i> , 2014, 226, 147-161.	1.7	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.	1.7	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.	2.9	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.	0.9	4
2749	Phytochrome-interacting transcription factors PIF4 and PIF5 induce leaf senescence in Arabidopsis. <i>Nature Communications</i> , 2014, 5, 4636.	5.8	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.	1.2	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.	2.9	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.	2.3	40
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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.	1.1	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.	1.0	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.	1.0	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	0.9	305
2758	Monitoring plant response to phenanthrene using the red edge of canopy hyperspectral reflectance. <i>Marine Pollution Bulletin</i> , 2014, 86, 332-341.	2.3	29
2759	Acclimation of Microalgae to Wastewater Environments Involves Increased Oxidative Stress Tolerance Activity. <i>Plant and Cell Physiology</i> , 2014, 55, 1848-1857.	1.5	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.	1.0	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	1.6	86
2762	Strigolactone signaling regulates rice leaf senescence in response to a phosphate deficiency. <i>Planta</i> , 2014, 240, 399-408.	1.6	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.	0.9	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.	1.5	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.	1.0	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.	0.9	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.	0.9	67
2770	Marine natural pigments: Chemistry, distribution and analysis. <i>Dyes and Pigments</i> , 2014, 111, 124-134.	2.0	48
2771	Feeding on prey increases photosynthetic efficiency in the carnivorous sundew <i>Drosera capensis</i> . <i>Annals of Botany</i> , 2014, 113, 69-78.	1.4	33
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.	2.9	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.	0.5	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.	2.7	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.	1.0	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.	1.9	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.	1.3	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.	0.7	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.	0.7	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.	0.7	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.	0.5	13
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2784	Identification of Target Genes and Transcription Factors Implicated in Translation-Dependent Retrograde Signaling in Arabidopsis. <i>Molecular Plant</i> , 2014, 7, 1228-1247.	3.9	24
2785	Isolation, improvement and characterization of an ammonium excreting mutant strain of the heterocytous cyanobacterium, <i>Anabaena variabilis</i> PCC 7937. <i>Biochemical Engineering Journal</i> , 2014, 90, 279-285.	1.8	6
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.	1.8	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.	0.9	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.	1.7	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.	0.6	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.	0.9	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.	1.1	15
2792	Overexpression of monoubiquitin improves photosynthesis in transgenic tobacco plants following high temperature stress. <i>Plant Science</i> , 2014, 226, 92-100.	1.7	22
2793	Galactoglucomannan oligosaccharides alleviate cadmium stress in Arabidopsis. <i>Journal of Plant Physiology</i> , 2014, 171, 518-524.	1.6	13
2794	Uranium uptake in <i>Nicotiana</i> sp. under hydroponic conditions. <i>Journal of Geochemical Exploration</i> , 2014, 142, 130-137.	1.5	20
2795	Effect of Salinity on Zinc uptake by <i>Brassica juncea</i> . <i>International Journal of Phytoremediation</i> , 2014, 16, 704-718.	1.7	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.	1.2	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.	1.7	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.	1.0	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.	1.6	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.	0.1	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.	1.6	26
2803	Maturity prediction of intact bell peppers by sensor fusion. <i>Computers and Electronics in Agriculture</i> , 2014, 104, 9-17.	3.7	29
2804	Effects of salinity on anatomical features and physiology of a semi-mangrove plant <i>Myoporum bontioides</i> . <i>Marine Pollution Bulletin</i> , 2014, 85, 738-746.	2.3	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.	0.8	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.	2.0	29
2807	Maize growth and developmental responses to temperature and ultraviolet-B radiation interaction. <i>Photosynthetica</i> , 2014, 52, 262-271.	0.9	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.	3.1	375
2809	Tetracycline accumulates in <i>Scaevola taccada</i> through apoplastic transport inducing oxidative stress and growth inhibition. <i>Plant Biology</i> , 2014, 16, 792-800.	1.8	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.	2.3	98
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2812	Starch and sugar accumulation in <i>Sulla carnosa</i> leaves upon Mg ²⁺ starvation. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2157-2165.	1.0	21
2813	<i>Apocynum venetum</i> : A newly found lithium accumulator. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2014, 209, 285-289.	0.6	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.	1.6	2
2815	Plant degreening: evolution and expression of tomato (<i>Solanum lycopersicum</i>) dephytylation enzymes. <i>Gene</i> , 2014, 546, 359-366.	1.0	17
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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.	1.7	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.	1.2	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.	0.3	2
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2823	Storage of yerba mate in controlled atmosphere. <i>Ciencia Rural</i> , 2014, 44, 740-745.	0.3	3
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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.	0.2	3
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2828	Exogenous nitric oxide alleviates shade-induced oxidative stress in tall fescue (<i>Festuca</i>)	0.9	17
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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.	0.6	9
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2834	Residual phytotoxicity of parthenium: Impact on some winter crops, weeds and soil properties. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 352-359.	2.9	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.	1.1	49
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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.	1.6	63
2839	Cyanobacterial Alkanes Modulate Photosynthetic Cyclic Electron Flow to Assist Growth under Cold Stress. <i>Scientific Reports</i> , 2015, 5, 14894.	1.6	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.	0.8	3
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2842	Similarities and differences in wheat plant responses to low temperature and cadmium. <i>Biology Bulletin</i> , 2015, 42, 508-514.	0.1	2
2843	Reduced grain chalkiness and its possible physiological mechanism in transgenic rice overexpressing l-GalLDH. <i>Crop Journal</i> , 2015, 3, 125-134.	2.3	8
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2848	Use of calcium chloride in postharvest treatment of <i>Alstroemeria</i> cut flowers. <i>Acta Horticulturae</i> , 2015, , 267-272.	0.1	3
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2860	Physiological and Biochemical Evaluation of Fe-Efficiency in Fe-Deficient Maize Genotypes. <i>American Journal of Agricultural and Biological Science</i> , 2015, 10, 55-62.	0.9	2
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2871	Impact of High Light on Reactive Oxygen Species Production within Photosynthetic Biological Membranes. <i>Journal of Biology and Life Science</i> , 2015, 6, 50.	0.2	8
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2878	Physiological response to drought stress in <i>Camptotheca acuminata</i> seedlings from two provenances. <i>Frontiers in Plant Science</i> , 2015, 6, 361.	1.7	54
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2882	Molecular Mapping and Candidate Gene Analysis of a Yellow-Green Leaf 6 (<i>ygl6</i>) Mutant in Rice. <i>Crop Science</i> , 2015, 55, 669-680.	0.8	8
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2887	Influence of agro-ecological production areas on antioxidant activity, reducing sugar content, and selected phytonutrients of orange-fleshed sweet potato cultivars. <i>Food Science and Technology</i> , 2015, 35, 32-37.	0.8	10
2888	A Study on Cadmium Phytoremediation Potential of Indian Mustard, <i>Brassica juncea</i> . <i>International Journal of Phytoremediation</i> , 2015, 17, 583-588.	1.7	82
2889	Brackish Eutrophic Water Treatment by <i>Iris pseudacorus</i> -Planted Microcosms: Physiological Responses of <i>Iris pseudacorus</i> to Salinity. <i>International Journal of Phytoremediation</i> , 2015, 17, 814-821.	1.7	4
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2896	The effect of carbon dioxide rich environment on carbonic anhydrase activity, growth and metabolite production in indigenous freshwater microalgae. <i>Algal Research</i> , 2015, 9, 151-159.	2.4	58
2897	Transcriptional profile of genes involved in ascorbate glutathione cycle in senescing leaves for an early senescence leaf (esl) rice mutant. <i>Journal of Plant Physiology</i> , 2015, 176, 1-15.	1.6	32
2898	Photosynthetic and antioxidative alterations in coffee leaves caused by epoxiconazole and pyraclostrobin sprays and <i>Hemileia vastatrix</i> infection. <i>Pesticide Biochemistry and Physiology</i> , 2015, 123, 31-39.	1.6	22
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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.	1.7	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.	2.6	254
2920	Photosynthesis light-independent reactions are sensitive biomarkers to monitor lead phytotoxicity in a Pb-tolerant <i>Pisum sativum</i> cultivar. <i>Environmental Science and Pollution Research</i> , 2015, 22, 574-585.	2.7	52
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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.	2.0	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.	4.8	59
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2926	Leaf Gas Exchange and Chlorophyll <i>a</i> Fluorescence Imaging of Rice Leaves Infected with <i>Monographella albescens</i> . <i>Phytopathology</i> , 2015, 105, 180-188.	1.1	47

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2927	Functional inactivation of UDP-N-acetylglucosamine pyrophosphorylase 1 (UAP1) induces early leaf senescence and defence responses in rice. <i>Journal of Experimental Botany</i> , 2015, 66, 973-987.	2.4	85
2928	Alterations in Gas Exchange and Oxidative Metabolism in Rice Leaves Infected by <i>Pyricularia oryzae</i> are Attenuated by Silicon. <i>Phytopathology</i> , 2015, 105, 738-747.	1.1	48
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.	1.1	30
2930	Reducing the bioavailability of cadmium in contaminated soil by dithiocarbamate chitosan as a new remediation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9668-9675.	2.7	8
2931	Low PSI content limits the photoprotection of PSI and PSII in early growth stages of chlorophyll b-deficient wheat mutant lines. <i>Photosynthesis Research</i> , 2015, 125, 151-166.	1.6	186
2932	Tolerance to clomazone herbicide is linked to the state of LHC, PQ-pool and ROS detoxification in tobacco (<i>Nicotiana tabacum</i> L.). <i>Journal of Plant Physiology</i> , 2015, 175, 122-130.	1.6	14
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.	0.9	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.	2.4	3
2936	A euryhaline <i>Nannochloropsis gaditana</i> with potential for nutraceutical (EPA) and biodiesel production. <i>Algal Research</i> , 2015, 8, 161-167.	2.4	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.	1.0	8
2938	GROWTH REGULATING FACTOR5 Stimulates <i>Arabidopsis</i> Chloroplast Division, Photosynthesis, and Leaf Longevity. <i>Plant Physiology</i> , 2015, 167, 817-832.	2.3	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.	1.3	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.	4.8	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.	1.9	59
2942	Male poplars have a stronger ability to balance growth and carbohydrate accumulation than do females in response to a short-term potassium deficiency. <i>Physiologia Plantarum</i> , 2015, 155, 400-413.	2.6	18
2943	Overexpression of bael quinolone synthase in tobacco improves plant vigor under favorable conditions, drought, or salt stress. <i>FEBS Letters</i> , 2015, 589, 332-341.	1.3	11
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.	1.6	11

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2945	Competitive effect of a native-invasive species on a threatened shrub in a Mediterranean dune system. <i>Oecologia</i> , 2015, 177, 133-146.	0.9	5
2946	Preferential damaging effects of limited magnesium bioavailability on photosystem I in <i>Sulla carnosa</i> plants. <i>Planta</i> , 2015, 241, 1189-1206.	1.6	38
2947	Identical Substitutions in Magnesium Chelatase Paralogs Result in Chlorophyll-Deficient Soybean Mutants. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 123-131.	0.8	57
2948	Biological Responses and Proteomic Changes in Maize Seedlings under Nitrogen Deficiency. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 490-504.	1.0	17
2949	Overexpression of the <i>PtSOS2</i> gene improves tolerance to salt stress in transgenic poplar plants. <i>Plant Biotechnology Journal</i> , 2015, 13, 962-973.	4.1	51
2950	Assessment of mercury heavy metal toxicity-induced physiochemical and molecular changes in <i>Sesbania grandiflora</i> L.. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 3273-3282.	1.8	42
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.	4.2	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.	1.3	4
2953	Ecotoxicological effects of graphene oxide on the protozoan <i>Euglena gracilis</i> . <i>Chemosphere</i> , 2015, 128, 184-190.	4.2	95
2954	Bean Metal-Responsive Element-Binding Transcription Factor Confers Cadmium Resistance in Tobacco. <i>Plant Physiology</i> , 2015, 167, 1136-1148.	2.3	29
2955	Molecular basis of chromatic adaptation in pennate diatom <i>Phaeodactylum tricorutum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 534-543.	0.5	50
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.	1.0	63
2957	Isoprene production in <i>Synechocystis</i> under alkaline and saline growth conditions. <i>Journal of Applied Phycology</i> , 2015, 27, 1089-1097.	1.5	25
2958	1-Methylcyclopropene (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, 107, 105-116.	1.7	8
2959	<i>Rhizophagus clarus</i> and phosphate alter the physiological responses of <i>Crotalaria juncea</i> cultivated in soil with a high Cu level. <i>Applied Soil Ecology</i> , 2015, 91, 37-47.	2.1	42
2960	Iron in complex with the alleged phytosiderophore 8-hydroxyquinoline induces functional iron deficiency and non-autolytic programmed cell death in rapeseed plants. <i>Environmental and Experimental Botany</i> , 2015, 109, 151-160.	2.0	11
2961	Screening agrochemicals as potential protectants of plants against ozone phytotoxicity. <i>Environmental Pollution</i> , 2015, 197, 247-255.	3.7	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.	1.1	30

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2963	Food colour additives of natural origin. , 2015, , 3-34.		36
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.	1.5	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.	1.2	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.	1.1	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.	2.7	159
2968	Is excessive Ca the main factor responsible for Mg deficiency in <i>Sulla carnososa</i> on calcareous soils?. <i>Journal of Soils and Sediments</i> , 2015, 15, 1483-1490.	1.5	10
2969	Tobacco PIC1 Mediates Iron Transport and Regulates Chloroplast Development. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 401-413.	1.0	30
2970	Introduction of the <i>Arabidopsis</i> PHYB gene increases resistance of photosynthetic apparatus in transgenic <i>Solanum tuberosum</i> plants to UV-B radiation. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 204-209.	0.5	14
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.	2.7	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.	0.7	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.	1.7	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.	0.5	24
2975	Novel insights into the <i>Citrus sinensis</i> nonhost response suggest photosynthesis decline, abiotic stress networks and secondary metabolism modifications. <i>Functional Plant Biology</i> , 2015, 42, 758.	1.1	4
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.	3.7	53
2977	Ozone fumigation for safety and quality of wine grapes in postharvest dehydration. <i>Food Chemistry</i> , 2015, 188, 641-647.	4.2	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.	1.6	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.	1.2	9
2980	Damage and protection of the photosynthetic apparatus from UV-B radiation. II. Effect of quercetin at different pH. <i>Journal of Plant Physiology</i> , 2015, 184, 98-105.	1.6	27

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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.	4.6	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.	4.8	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.	6.5	69
2984	Iron Sources Effects on Growth, Physiological Parameters and Nutrition of Cacao. <i>Journal of Plant Nutrition</i> , 2015, 38, 1787-1802.	0.9	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.	0.3	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.	1.6	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 1.7	1.7	6
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.	1.4	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.	2.8	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.	0.5	5
2992	Proline synthesis in barley under iron deficiency and salinity. <i>Journal of Plant Physiology</i> , 2015, 183, 121-129.	1.6	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.	2.7	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.	4.8	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.	2.4	34
2996	Photosynthetic pigments estimate diet quality in forage and feces of elk (<i>Cervus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1 0.4	0.4	6
2997	Effects of plasmonic film filters on microalgal growth and biomass composition. <i>Algal Research</i> , 2015, 11, 85-89.	2.4	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.	0.9	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.	1.7	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.	1.7	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.	2.1	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.	1.0	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.	3.8	11
3004	Girdling-induced <i>Alhagi sparsifolia</i> senescence and chlorophyll fluorescence changes. <i>Photosynthetica</i> , 2015, 53, 585-596.	0.9	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.	1.4	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.	4.8	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.	4.8	58
3008	Physiological responses of blackberry cultivar 'Ningzhi 1'™ to drought stress. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 472-479.	0.5	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.	0.5	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.	1.8	30
3011	Developing Hyperspectral Vegetation Indices for Identifying Seagrass Species and Cover Classes. <i>Journal of Coastal Research</i> , 2015, 313, 595-615.	0.1	13
3012	The influence of duckweed species diversity on ecophysiological tolerance to copper exposure. <i>Aquatic Toxicology</i> , 2015, 164, 92-98.	1.9	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.	1.5	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.	1.4	45
3015	The heterotrimeric G α protein β subunit, AGB1, plays multiple roles in the <i>Arabidopsis</i> salinity response. <i>Plant, Cell and Environment</i> , 2015, 38, 2143-2156.	2.8	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.	1.0	11

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3017	Application of nitric oxide and calcium nitrate enhances tolerance of wheat seedlings to salt stress. <i>Plant Growth Regulation</i> , 2015, 77, 343-356.	1.8	84
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.	0.6	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.	0.6	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.	2.9	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.	1.6	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.	1.3	14
3023	Postharvest senescence of florets from primary and secondary broccoli inflorescences. <i>Postharvest Biology and Technology</i> , 2015, 104, 42-47.	2.9	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.	4.2	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.	0.9	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.	4.8	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.	1.0	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.	2.8	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.	2.8	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.	0.9	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.	1.0	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.	1.2	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.	1.8	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.	0.9	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.	0.9	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.	0.9	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.	1.8	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.	1.0	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.	1.0	6
3041	Effects of Terbium (III) on Signaling Molecules in Horseradish. <i>Biological Trace Element Research</i> , 2015, 164, 122-129.	1.9	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.	2.8	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.	1.6	85
3045	HyperART: non-invasive quantification of leaf traits using hyperspectral absorption-reflectance-transmittance imaging. <i>Plant Methods</i> , 2015, 11, 1.	1.9	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.	1.5	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.	1.5	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.	2.9	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.	1.6	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.	0.8	4
3052	Whole-stream metabolism in nutrient-poor calcareous streams on Å–land, Sweden. <i>Aquatic Sciences</i> , 2015, 77, 207-219.	0.6	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.	1.2	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.	2.7	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.	1.8	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.	2.4	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.	0.7	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.	3.6	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.	0.6	81
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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.	2.8	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.	1.4	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.	1.7	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.	0.9	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.	1.3	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.	1.6	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.	1.0	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.	0.5	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.	1.1	3
3070	Physiological responses of fenugreek seedlings and plants treated with cadmium. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10679-10689.	2.7	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. Alpha F1). <i>LWT - Food Science and Technology</i> , 2015, 63, 177-183.	2.5	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.	1.2	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.	1.6	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.	1.4	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.	2.3	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.	2.0	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.	1.7	20
3078	Comparative response of annual <i>Medicago</i> spp. to salinity. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 617-624.	0.5	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.	1.9	34
3080	Effect of fluorescence light on phenolic compounds and antioxidant activities of soybeans (<i>Glycine</i>) Tj ETQq1 1 0.784314 rgBT /Overload	1.2	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.	1.0	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.	1.0	15
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3084	Effects of Enhanced UV-B Radiation on Biochemical Traits in Postharvest Flowers of Medicinal <i>Chrysanthemum</i> . <i>Photochemistry and Photobiology</i> , 2015, 91, 845-850.	1.3	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.	1.6	173
3086	Modulatory role of jasmonic acid on photosynthetic pigments, antioxidants and stress markers of <i>Glycine max</i> under nickel stress. <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 559-565.	1.4	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.	2.1	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.	1.1	22

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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.	1.3	27
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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.	1.7	16
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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.	0.6	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.	2.8	22
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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.	2.2	27
3106	Effect of cytokinins on delaying petunia flower senescence: a transcriptome study approach. <i>Plant Molecular Biology</i> , 2015, 87, 169-180.	2.0	39

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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.	0.4	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.	1.6	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.	1.4	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.	1.6	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.	4.2	41
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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.	1.2	6
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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.	2.7	70
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3122	Optimization of culturing conditions and selection of species for the use of halophytes as biofilter for nutrient-rich saline water. <i>Agricultural Water Management</i> , 2015, 149, 102-114.	2.4	68
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.	1.7	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.	0.8	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.	1.6	51
3127	Sexual competition and N supply interactively affect the dimorphism and competitiveness of opposite sexes in <i>Populus cathayana</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 1285-1298.	2.8	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.	2.2	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.	2.1	290
3130	Effects of bisphenol A on chlorophyll synthesis in soybean seedlings. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5877-5886.	2.7	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.	1.3	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.	0.8	10
3133	Study on salt tolerance with <i>YHem1</i> transgenic canola (<i>Brassica napus</i>). <i>Physiologia Plantarum</i> , 2015, 154, 223-242.	2.6	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.	1.0	325
3135	Evaluating wild grapevine tolerance to copper toxicity. <i>Chemosphere</i> , 2015, 120, 171-178.	4.2	114
3136	Divergent properties and phylogeny of cyanobacterial 5- <i>enolpyruvylshikimate</i> phosphate synthases: evidence for horizontal gene transfer in the <i>Nostocales</i> . <i>New Phytologist</i> , 2015, 205, 160-171.	3.5	12
3137	Differential defence responses of susceptible and resistant kimchi cabbage cultivars to anthracnose, black spot and black rot diseases. <i>Plant Pathology</i> , 2015, 64, 406-415.	1.2	19
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.	0.9	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.	4.3	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.	2.0	42
3141	Functional characterization of the two ferrioxalates in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 280-298.	2.8	67
3142	Improvement of photosynthesis in rice (<i>Oryza sativa</i> L.) as a result of an increase in stomatal aperture and density by exogenous hydrogen sulfide treatment. <i>Plant Growth Regulation</i> , 2015, 75, 33-44.	1.8	77

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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.	0.2	1
3145	Tuber yield prognosis model and agronomic nitrogen use efficiency of potato cultivars. <i>Australian Journal of Crop Science</i> , 2016, 10, 933-939.	0.1	10
3146	Effect of two wild rootstocks of genus <i>Passiflora</i> L. on the content of antioxidants and fruit quality of yellow passion fruit. <i>Bragantia</i> , 2016, 75, 164-172.	1.3	8
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3148	Proline levels, oxidative metabolism and photosynthetic pigments during in vitro growth and acclimatization of <i>Pitcairnia encholirioides</i> L.B. Sm. (Bromeliaceae). <i>Brazilian Journal of Biology</i> , 2016, 76, 218-227.	0.4	8
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3150	Influence of vermicompost humic acid on chlorophyll content and acclimatization in banana clone, Enano Guantanamero. <i>African Journal of Biotechnology</i> , 2016, 15, 2659-2670.	0.3	1
3151	ETHYLENE APPLICATION AFTER COLD STORAGE IMPROVES SKIN COLOR OF "VALENCIA" ORANGES. <i>Revista Brasileira De Fruticultura</i> , 2016, 38, .	0.2	0
3152	Photosynthetic pigments and carbohydrates in young Brazil nut (<i>Bertholletia excelsa</i> H.B.K.) plants exposed to moderate and severe water deficiency. <i>Australian Journal of Crop Science</i> , 2016, 10, 920-925.	0.1	3
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3155	Detection of Amazon Forest Degradation Caused by Land Use Changes. , 2016, , .		1
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3157	Changes in Photosynthesis and Oxidative Stress in Wheat Plants Submitted to Herbicides Application. <i>Planta Daninha</i> , 2016, 34, 1-9.	0.5	40
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.	0.4	4
3159	Quantitative Investigation of Leaf Photosynthetic Pigments during Annual Biological Cycle of <i>Vitis vinifera</i> L. Table Grape Cultivars. <i>South African Journal of Enology and Viticulture</i> , 2016, 37, .	0.8	20
3160	Ecophysiological leaf traits of native and exotic palm tree species under semi-arid conditions. <i>Bragantia</i> , 2016, 75, 128-134.	1.3	13

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3162	Polyamine plays key role in different osmotic stress responses of wheat-rye 1BL/1RS translocation lines. <i>Cereal Research Communications</i> , 2016, 44, 549-560.	0.8	2
3163	Accurate identification of nitrogen fertilizer application of paddy rice using laser-induced fluorescence combined with support vector machine. <i>Plant, Soil and Environment</i> , 2015, 61, 501-506.	1.0	21
3164	Using chlorophyll fluorescence as an indicator of brown stain (CO ₂ injury) in Romaine lettuce. <i>Acta Horticulturae</i> , 2016, , 151-156.	0.1	0
3165	The Evaluation of Exogenous Application of Salicylic Acid on Physiological Characteristics, Proline and Essential Oil Content of Chamomile (<i>Matricaria chamomilla</i> L.) under Normal and Heat Stress Conditions. <i>Agriculture (Switzerland)</i> , 2016, 6, 31.	1.4	20
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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.	1.5	18
3168	Overexpression of the Transcription Factors GmSHN1 and GmSHN9 Differentially Regulates Wax and Cutin Biosynthesis, Alters Cuticle Properties, and Changes Leaf Phenotypes in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 587.	1.8	24
3169	Fine Mapping of Virescent Leaf Gene v-1 in Cucumber (<i>Cucumis sativus</i> L.). <i>International Journal of Molecular Sciences</i> , 2016, 17, 1602.	1.8	37
3170	A Saponification Method for Chlorophyll Removal from Microalgae Biomass as Oil Feedstock. <i>Marine Drugs</i> , 2016, 14, 162.	2.2	47
3171	Colloidal Nanomolybdenum Influence upon the Antioxidative Reaction of Chickpea Plants (<i>Cicer</i>) Tj ETQq0 0 0 rgBT ₃ /Overlock 10 Tf 50 3	3.1	12
3172	<i>Artemisia</i> dominant species succession relating to the soil moisture decrease in abandoned land of the Loess Plateau (China): comparative study of drought-adaptive characteristics. <i>SpringerPlus</i> , 2016, 5, 992.	1.2	2
3173	Suppression of Reactive Oxygen Species Accumulation in Chloroplasts Prevents Leaf Damage but Not Growth Arrest in Salt-Stressed Tobacco Plants. <i>PLoS ONE</i> , 2016, 11, e0159588.	1.1	27
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3175	N-Terminal Lipid Modification Is Required for the Stable Accumulation of CyanoQ in <i>Synechocystis</i> sp. PCC 6803. <i>PLoS ONE</i> , 2016, 11, e0163646.	1.1	5
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3177	Differential Toxicity of Bare and Hybrid ZnO Nanoparticles in Green Pea (<i>Pisum sativum</i> L.): A Life Cycle Study. <i>Frontiers in Plant Science</i> , 2015, 6, 1242.	1.7	82
3178	Multiple Impacts of Loss of Plastidic Phosphatidylglycerol Biosynthesis on Photosynthesis during Seedling Growth of <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 336.	1.7	28

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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.	1.7	23
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3183	Application of Plant-Growth-Promoting Fungi <i>Trichoderma longibrachiatum</i> T6 Enhances Tolerance of Wheat to Salt Stress through Improvement of Antioxidative Defense System and Gene Expression. <i>Frontiers in Plant Science</i> , 2016, 07, 1405.	1.7	141
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3187	Insights into the Role of the Berry-Specific Ethylene Responsive Factor VvERF045. <i>Frontiers in Plant Science</i> , 2016, 7, 1793.	1.7	38
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3191	Magnesium decreases leaf scald symptoms on rice leaves and preserves their photosynthetic performance. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 49-56.	2.8	16
3192	Effects of selenium on biological and physiological properties of the duckweed <i>Landoltia punctata</i> . <i>Plant Biology</i> , 2016, 18, 797-804.	1.8	10
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3195	Impact of cadmium stress on two maize hybrids. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 90-98.	2.8	33
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3200	Morpho-physiological responses of two switchgrass (<i>Panicum virgatum</i> L.) cultivars to cadmium stress. <i>Grassland Science</i> , 2016, 62, 92-101.	0.6	9
3201	pH and CO ₂ effects on <i>Coelastrella</i> (<i>Scotiellopsis</i>) <i>rubescens</i> growth and metabolism. <i>Russian Journal of Plant Physiology</i> , 2016, 63, 566-574.	0.5	21
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3206	Elevated anthocyanins protect young <i>Eucalyptus</i> leaves from high irradiance but also indicate foliar nutritional quality to visually attuned psyllids. <i>Ecological Entomology</i> , 2016, 41, 168-181.	1.1	10
3207	Hybrid photoacoustic and optical imaging of pigments in vegetative tissues. <i>Journal of Microscopy</i> , 2016, 263, 300-306.	0.8	19
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.	2.8	93
3209	The green peach aphid <i>Myzus persicae</i> perform better on pre-infested Chinese cabbage <i>Brassica pekinensis</i> by enhancing host plant nutritional quality. <i>Scientific Reports</i> , 2016, 6, 21954.	1.6	40
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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.	1.6	81
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3270	The effect of lanthanides on photosynthesis, growth, and chlorophyll profile of the green alga <i>Desmodesmus quadricauda</i> . <i>Photosynthesis Research</i> , 2016, 130, 335-346.	1.6	32
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3282	Assessing plant nitrogen concentration in winter oilseed rape using hyperspectral measurements. <i>Journal of Applied Remote Sensing</i> , 2016, 10, 036026.	0.6	5
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3284	Gibberellins producing <i>Bacillus methylotrophicus</i> KE2 supports plant growth and enhances nutritional metabolites and food values of lettuce. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 181-189.	2.8	106
3285	Phytochemical constituents and radical scavenging properties of <i>Borago officinalis</i> and <i>Malva sylvestris</i> . <i>Industrial Crops and Products</i> , 2016, 94, 673-681.	2.5	22
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3291	Growth and physiological trait variation among corn hybrids for cold tolerance. <i>Canadian Journal of Plant Science</i> , 0, , 639-656.	0.3	29
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3299	Ecophysiological responses of <i>Cunninghamia lanceolata</i> to nongrowing-season warming, nitrogen deposition, and their combination. <i>Photosynthetica</i> , 2016, 54, 598-610.	0.9	12
3300	Olive Oil for Dressing Plant Leaves so as to Avoid O ₃ Injury. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	35
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3302	Effects of <i>Tinospora tuberculata</i> leaf methanol extract on seedling growth of rice and associated weed species in hydroponic culture. <i>Journal of Integrative Agriculture</i> , 2016, 15, 1521-1531.	1.7	9
3303	Differences in photosynthetic capacity, chlorophyll fluorescence, and antioxidant system between invasive <i>Alnus formosana</i> and its native congener in response to different irradiance levels. <i>Botany</i> , 2016, 94, 1087-1101.	0.5	13
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3328	Green synthesis of nano zinc oxide and evaluation of its impact on germination and metabolic activity of <i>Solanum lycopersicum</i> . Journal of Biotechnology, 2016, 233, 84-94.	1.9	125
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3332	High dose of urea enhances the nickel and copper toxicity in Brazilian elodea (<i>Egeria densa</i> Planch.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	13
3333	Leaf miner-induced morphological, physiological and molecular changes in mangrove plant <i>Avicennia marina</i> (Forsk.) Vierh. Tree Physiology, 2016, 37, 82-97.	1.4	10
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3335	Changes in anthocyanidin and anthocyanin pigments in highbush blueberry (<i>Vaccinium corymbosum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.7	33
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3351	Enhanced biomass production through optimization of carbon source and utilization of wastewater as a nutrient source. <i>Journal of Environmental Management</i> , 2016, 184, 585-595.	3.8	67
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3356	An efficient virus-induced gene silencing vector for maize functional genomics research. <i>Plant Journal</i> , 2016, 86, 102-115.	2.8	86
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3359	Photosynthetic characteristics of leaves and fruits of Hickory (<i>Carya cathayensis</i> Sarg.) and Pecan (<i>Carya illinoensis</i> K.Koch) during fruit development stages. <i>Trees - Structure and Function</i> , 2016, 30, 1523-1534.	0.9	16

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3397	Physiological and biochemical response of <i>Dunaliella salina</i> to cadmium pollution. <i>Journal of Applied Phycology</i> , 2016, 28, 991-999.	1.5	44
3398	Impact of nitrogen supply on growth, steviol glycosides and photosynthesis in <i>Stevia rebaudiana</i> Bertonii. <i>Plant Biosystems</i> , 2016, 150, 953-962.	0.8	20
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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
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3404	Concomitant effects of light and temperature diel variations on the growth rate and lipid production of <i>Dunaliella salina</i> . <i>Algal Research</i> , 2016, 14, 72-78.	2.4	28
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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.	2.3	24
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3411	PRE and POST Herbicidal Activity of Monoterpenes against Barnyard Grass (<i>Echinochloa</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFS	0.8	17
3412	The impact of humic acid on chromium phytoextraction by aquatic macrophyte <i>Lemna minor</i> . <i>Chemosphere</i> , 2016, 147, 311-317.	4.2	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.	0.8	3

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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.	2.8	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.	2.4	51
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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.	2.7	11
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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.	1.0	6
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3437	Enhanced nutrient removal from municipal wastewater assisted by mixotrophic microalgal cultivation using glycerol. Environmental Science and Pollution Research, 2016, 23, 10114-10123.	2.7	36
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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.	1.0	117
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3450	Power ultrasound as a pretreatment to convective drying of mulberry (<i>Morus alba</i> L.) leaves: Impact on drying kinetics and selected quality properties. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 310-318.	3.8	68
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.	2.6	17
3452	Characterization of wheat miRNAs and their target genes responsive to cadmium stress. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 60-67.	2.8	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.	2.8	48
3454	Salt acclimation processes in wheat. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 68-75.	2.8	44
3455	Drought inhibits early seedling establishment of <i>Parkinsonia aculeata</i> L. under low light intensity: a physiological approach. <i>Plant Growth Regulation</i> , 2016, 80, 115-126.	1.8	6
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.	2.8	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.	2.8	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.	2.9	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.	0.9	27
3460	Physiological responses of the hybrid larch (<i>Larix laricina</i> duRoi Koch) to cadmium exposure and distribution of cadmium in plantlets. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8617-8626.	2.7	10
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.	0.9	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.	0.5	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.	0.7	15
3464	Overexpression of Tomato Homolog of Glycolate/Glycerate Transporter Gene <i>PLGG1/AtLrgB</i> Leads to Reduced Chlorophyll Biosynthesis. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 792-802.	2.8	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.	1.0	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.	1.2	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.	1.8	96

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3468	Combined effects of simulated acid rain and lanthanum chloride on chloroplast structure and functional elements in rice. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8902-8916.	2.7	33
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.	0.6	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.	2.8	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.	0.8	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.	1.5	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.	0.9	21
3474	Nitrification and microalgae cultivation for two-stage biological nutrient valorization from source separated urine. <i>Bioresource Technology</i> , 2016, 211, 41-50.	4.8	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.	0.6	52
3476	Architecture of the light-harvesting apparatus of the eustigmatophyte alga <i>Nannochloropsis oceanica</i> . <i>Photosynthesis Research</i> , 2016, 130, 137-150.	1.6	43
3477	A novel Cys2/His2 zinc finger protein gene from sweetpotato, lbZFP1, is involved in salt and drought tolerance in transgenic <i>Arabidopsis</i> . <i>Planta</i> , 2016, 243, 783-797.	1.6	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.	1.6	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.	1.7	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.	0.9	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.	2.0	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.	1.8	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.	2.4	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.	1.1	130
3485	C2-substituted aromatic cytokinin sugar conjugates delay the onset of senescence by maintaining the activity of the photosynthetic apparatus. <i>Phytochemistry</i> , 2016, 122, 22-33.	1.4	20

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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 /Overlçk 10 Tf 5	2.3	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.	1.5	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.	4.6	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.	0.9	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.	2.9	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.	2.9	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.	3.6	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.	1.2	21
3494	Transcriptomics and physiological analyses reveal co-ordinated alteration of metabolic pathways in <i>Jatropha curcas</i> drought tolerance. <i>Journal of Experimental Botany</i> , 2016, 67, 845-860.	2.4	29
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.	2.0	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.	2.8	6
3498	Biochemical Biomarkers in the Halophilic Nanophytoplankton: <i>Dunaliella salina</i> Isolated from the Saline of Sfax (Tunisia). <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 17-24.	1.1	3
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.	1.5	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.	0.9	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.	2.7	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.	2.4	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.	1.8	44

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3504	Terminalia arjuna bark extract alleviates nickel toxicity by suppressing its uptake and modulating antioxidative defence in rice seedlings. <i>Protoplasma</i> , 2016, 253, 1449-1462.	1.0	16
3505	Assessment of genetic homogeneity and analysis of phytomedicinal potential in micropropagated plants of <i>Nardostachys jatamansi</i> , a critically endangered, medicinal plant of alpine Himalayas. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 331-349.	1.2	37
3506	Effects of abscisic acid (ABA) on the development of selected bryophyte species. <i>Plant Biosystems</i> , 2016, 150, 1023-1029.	0.8	7
3507	Redox and hormone profiling of a <i>Nicotiana tabacum</i> dedifferentiated protoplast culture suggests a role for a cytokinin and gibberellin in plant totipotency. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 295-306.	1.2	9
3508	Silicon alleviates Cd stress of wheat seedlings (<i>Triticum turgidum</i> L. cv. Claudio) grown in hydroponics. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1414-1427.	2.7	224
3509	Continuous white-blue LED light exposition delays postharvest senescence of broccoli. <i>LWT - Food Science and Technology</i> , 2016, 65, 495-502.	2.5	61
3510	The potential of <i>Zea mays</i> L. in remediating copper and zinc contaminated soils for grapevine production. <i>Geoderma</i> , 2016, 262, 52-61.	2.3	52
3511	Arbuscular mycorrhiza affects nickel translocation and expression of ABC transporter and metallothionein genes in <i>Festuca arundinacea</i> . <i>Mycorrhiza</i> , 2016, 26, 67-76.	1.3	53
3512	Effects of exogenous salicylic acid on the physiological characteristics of <i>Dendrobium officinale</i> under chilling stress. <i>Plant Growth Regulation</i> , 2016, 79, 199-208.	1.8	38
3513	Possible ecological risk of two pharmaceuticals diclofenac and paracetamol demonstrated on a model plant <i>Lemna minor</i> . <i>Journal of Hazardous Materials</i> , 2016, 302, 351-361.	6.5	93
3514	Eco-physiological response to water stress of drought-tolerant and drought-sensitive tomato genotypes. <i>Plant Biosystems</i> , 2016, 150, 682-691.	0.8	30
3515	Photosynthesis performance, antioxidant enzymes, and ultrastructural analyses of rice seedlings under chromium stress. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1768-1778.	2.7	100
3516	<i>Arabidopsis</i> NAC016 promotes chlorophyll breakdown by directly upregulating STAYGREEN1 transcription. <i>Plant Cell Reports</i> , 2016, 35, 155-166.	2.8	72
3517	Effect of 24-epibrassinolide on ROS content, antioxidant system, lipid peroxidation and Ni uptake in <i>Solanum nigrum</i> L. under Ni stress. <i>Environmental and Experimental Botany</i> , 2016, 122, 115-125.	2.0	175
3518	Constitutive Expression of a Tomato Small Heat Shock Protein Gene LeHSP21 Improves Tolerance to High-Temperature Stress by Enhancing Antioxidation Capacity in Tobacco. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 399-409.	1.0	35
3519	Use of the atLEAF+ chlorophyll meter for a nondestructive estimate of chlorophyll content. <i>Photosynthetica</i> , 2016, 54, 130-137.	0.9	37
3520	Glycinebetaine mediates chromium tolerance in mung bean through lowering of Cr uptake and improved antioxidant system. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 648-662.	1.3	97
3521	Phosphorus amendment decreased cadmium (Cd) uptake and ameliorates chlorophyll contents, gas exchange attributes, antioxidants, and mineral nutrients in wheat (<i>Triticum aestivum</i> L.) under Cd stress. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 533-546.	1.3	135

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3522	Mixed heavy metal stress on photosynthesis, transpiration rate, and chlorophyll content in poplar hybrids. <i>Forest Science and Technology</i> , 2016, 12, 55-61.	0.3	79
3523	Measurements of reflectance and fluorescence spectra for nondestructive characterizing ripeness of grapevine berries. <i>Photosynthetica</i> , 2016, 54, 101-109.	0.9	5
3524	<i>Bacillus subtilis</i> -regulation of stomatal movement and instantaneous water use efficiency in <i>Vicia faba</i> . <i>Plant Growth Regulation</i> , 2016, 78, 43-55.	1.8	17
3525	Influence of magnesium on physiological responses of wheat infected by <i>Pyricularia oryzae</i> . <i>Plant Pathology</i> , 2016, 65, 114-123.	1.2	16
3526	Effect of zinc and lead on the physiological and biochemical properties of aquatic plant <i>Lemna minor</i> : its potential role in phytoremediation. <i>Applied Water Science</i> , 2017, 7, 1247-1253.	2.8	69
3527	Physiological and biochemical responses of <i>Melissa officinalis</i> L. to nickel stress and the protective role of salicylic acid. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 330-343.	1.3	13
3528	Nitric oxide alleviates silver nanoparticles (AgNps)-induced phytotoxicity in <i>Pisum sativum</i> seedlings. <i>Plant Physiology and Biochemistry</i> , 2017, 110, 167-177.	2.8	291
3529	Physicochemical and nutritional evaluation of Spanish melon landraces. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2017, 15, 177-186.	0.4	6
3530	Photosynthetic responses of <i>Chrysanthemum morifolium</i> to growth irradiance: morphology, anatomy and chloroplast ultrastructure. <i>Photosynthetica</i> , 2017, 55, 184-192.	0.9	11
3531	Effect of NaCl-induced changes in growth, photosynthetic characteristics, water status and enzymatic antioxidant system of <i>Calligonum caput-medusae</i> seedlings. <i>Photosynthetica</i> , 2017, 55, 96-106.	0.9	22
3532	SmLEA2, a gene for late embryogenesis abundant protein isolated from <i>Salvia miltiorrhiza</i> , confers tolerance to drought and salt stress in <i>Escherichia coli</i> and <i>S. miltiorrhiza</i> . <i>Protoplasma</i> , 2017, 254, 685-696.	1.0	36
3533	Effect of sodium nitroprusside on responses of <i>Melissa officinalis</i> to bicarbonate exposure and direct Fe deficiency stress. <i>Photosynthetica</i> , 2017, 55, 153-163.	0.9	14
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.	2.8	18
3535	A promising application of chitosan quaternary ammonium salt to removal of <i>Microcystis aeruginosa</i> cells from drinking water. <i>Science of the Total Environment</i> , 2017, 583, 496-504.	3.9	63
3536	Synthesis and Characterization of Large-Scale ($\approx 2\text{ nm}$) Chitosan-Decorated Copper Nanoparticles and Their Application in Antifouling Coating. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1498-1508.	1.8	29
3537	The influence of increasing doses of silicon on maize seedlings grown under salt stress. <i>Journal of Plant Nutrition</i> , 2017, 40, 819-827.	0.9	10
3538	Detection of chlorophylls in spores of seven ferns. <i>Journal of Plant Research</i> , 2017, 130, 407-416.	1.2	6
3539	PSII photochemistry, oxidative damage and anti-oxidative enzymes in arsenate-stressed <i>Oryza sativa</i> L. seedlings. <i>Chemistry and Ecology</i> , 2017, 33, 34-50.	0.6	9

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3540	Effects of 28-homobrassinoloid on key physiological attributes of <i>Solanum lycopersicum</i> seedlings under cadmium stress: Photosynthesis and nitrogen metabolism. <i>Plant Growth Regulation</i> , 2017, 82, 161-173.	1.8	35
3541	Metal transport protein 8 in <i>Camellia sinensis</i> confers superior manganese tolerance when expressed in yeast and <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2017, 7, 39915.	1.6	32
3542	Use of UV-C and Gaseous Ozone as Sanitizing Agents for Keeping the Quality of Fresh-Cut Rocket (<i>Eruca sativa</i> mill). <i>Journal of Food Processing and Preservation</i> , 2017, 41, e12968.	0.9	16
3543	Role of two-sided crosstalk between NO and H ₂ S on improvement of mineral homeostasis and antioxidative defense in <i>Sesamum indicum</i> under lead stress. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 210-218.	2.9	74
3544	Arsenic tolerant <i>Trichoderma</i> sp. reduces arsenic induced stress in chickpea (<i>Cicer arietinum</i>). <i>Environmental Pollution</i> , 2017, 223, 137-145.	3.7	73
3545	Opposite roles of the <i>Arabidopsis</i> cytokinin receptors AHK2 and AHK3 in the expression of plastid genes and genes for the plastid transcriptional machinery during senescence. <i>Plant Molecular Biology</i> , 2017, 93, 533-546.	2.0	20
3546	Effect of Vermicompost on Growth, Essential Oil, and Health of <i>Thymus Vulgaris</i> . <i>Compost Science and Utilization</i> , 2017, 25, 166-177.	1.2	36
3547	Comparative effect of calcium and EDTA on arsenic uptake and physiological attributes of <i>Pisum sativum</i> . <i>International Journal of Phytoremediation</i> , 2017, 19, 662-669.	1.7	100
3548	Effects of light intensity on leaf microstructure and growth of rape seedlings cultivated under a combination of red and blue LEDs. <i>Journal of Integrative Agriculture</i> , 2017, 16, 97-105.	1.7	44
3549	Phosphate-assisted phytoremediation of arsenic by <i>Brassica napus</i> and <i>Brassica juncea</i> : Morphological and physiological response. <i>International Journal of Phytoremediation</i> , 2017, 19, 670-678.	1.7	112
3550	<i>Trichoderma asperellum</i> ameliorates phytotoxic effects of copper in onion (<i>Allium cepa</i> L.). <i>Environmental and Experimental Botany</i> , 2017, 136, 85-93.	2.0	40
3551	Crucial Roles of Electron-Proton Transport Relay in the Photosystem II-Photocatalytic Hybrid System for Overall Water Splitting. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2605-2612.	1.5	15
3552	Phenotypic and biochemical alterations in relation to MT2 gene expression in <i>Plantago ovata</i> Forsk under zinc stress. <i>BioMetals</i> , 2017, 30, 171-184.	1.8	16
3553	Expression profiles of the genes involved in l-ascorbic acid biosynthesis and recycling in <i>Rosa roxburghii</i> leaves of various ages. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	8
3554	Effects of a ladle furnace slag added to soil on morpho-physiological and biochemical parameters of <i>Amaranthus paniculatus</i> L. plants. <i>Journal of Hazardous Materials</i> , 2017, 329, 339-347.	6.5	18
3555	Ascorbic acid deficiency leads to increased grain chalkiness in transgenic rice for suppressed of L-GallDH. <i>Journal of Plant Physiology</i> , 2017, 211, 13-26.	1.6	19
3556	The wheat mutant DELLA-encoding gene (Rht-B1c) affects plant photosynthetic responses to cadmium stress. <i>Plant Physiology and Biochemistry</i> , 2017, 114, 10-18.	2.8	43
3557	Physiological and biochemical markers in the process of resistance and/or tolerance of heavy metals in the abandoned mining area of Sidi Kamber, Skikda, Algeria. <i>International Journal of Environmental Studies</i> , 2017, 74, 275-289.	0.7	3

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3558	Promotive role of 5-aminolevulinic acid on chromium-induced morphological, photosynthetic, and oxidative changes in cauliflower (<i>Brassica oleracea botrytis</i> L.). <i>Environmental Science and Pollution Research</i> , 2017, 24, 8814-8824.	2.7	54
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.	1.0	27
3560	Cultivation of an indigenous <i>Chlorella sorokiniana</i> with phytohormones for biomass and lipid production under N-limitation. <i>Algal Research</i> , 2017, 23, 178-185.	2.4	80
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.	2.9	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.	0.5	10
3563	Resistance of <i>Arabidopsis thaliana</i> L. photosynthetic apparatus to UV-B is reduced by deficit of phytochromes B and A. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 169, 41-46.	1.7	23
3564	A naturally occurring conditional albino mutant in rice caused by defects in the plastid-localized OsABC18 transporter. <i>Plant Molecular Biology</i> , 2017, 94, 137-148.	2.0	31
3565	Transcriptional and post-translational control of chlorophyll biosynthesis by dark-operative protochlorophyllide oxidoreductase in Norway spruce. <i>Photosynthesis Research</i> , 2017, 132, 165-179.	1.6	13
3566	Response of spontaneous plants from an ex-mining site of Elba island (Tuscany, Italy) to metal(loid) contamination. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7809-7820.	2.7	27
3567	Different responses of transgenic Bt rice and conventional rice to elevated ozone concentration. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8352-8362.	2.7	6
3568	Role of UV-B irradiation dose and intensity on color retention and antioxidant elicitation in broccoli florets (<i>Brassica oleracea</i> var. <i>Italica</i>). <i>Postharvest Biology and Technology</i> , 2017, 128, 76-82.	2.9	46
3569	Melatonin may exert a protective role against drought stress in maize. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 286-294.	1.7	83
3570	Photochemistry of thylakoid membranes in two pea cultivars with different leaf colouration. <i>Theoretical and Experimental Plant Physiology</i> , 2017, 29, 13-24.	1.1	2
3571	Phosphorus deficiency modifies As translocation in the halophyte plant species <i>Atriplex atacamensis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 344-351.	2.9	13
3572	Interactive effect of salinity and silver nanoparticles on photosynthetic and biochemical parameters of wheat. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1736-1747.	1.3	166
3573	Impacts of turbidity on corals: The relative importance of light limitation and suspended sediments. <i>Marine Pollution Bulletin</i> , 2017, 117, 161-170.	2.3	106
3574	<i>MaCDPK7</i> , a calcium-dependent protein kinase gene from banana is involved in fruit ripening and temperature stress responses. <i>Journal of Horticultural Science and Biotechnology</i> , 2017, 92, 240-250.	0.9	16
3575	Comparative effect of ZnO NPs, ZnO bulk and ZnSO ₄ in the antioxidant defences of two plant species growing in two agricultural soils under greenhouse conditions. <i>Science of the Total Environment</i> , 2017, 589, 11-24.	3.9	137

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3576	A protoporphyrinogen oxidase gene expression influences responses of transgenic rice to oxyfluorfen. <i>Biologia Plantarum</i> , 2017, 61, 659-666.	1.9	5
3577	Alleviating effects of calcium on cobalt toxicity in two barley genotypes differing in cobalt tolerance. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 488-495.	2.9	37
3578	Vegetation chlorophyll estimates in the Amazon from multi-angle MODIS observations and canopy reflectance model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 58, 278-287.	1.4	14
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3582	Chloroplast proteome response to drought stress and recovery in tomato (<i>Solanum lycopersicum</i> L.). <i>BMC Plant Biology</i> , 2017, 17, 40.	1.6	107
3583	Photosynthetic antenna engineering to improve crop yields. <i>Planta</i> , 2017, 245, 1009-1020.	1.6	94
3584	Influence of Vermicompost Fertilizer and Water Deficit Stress on Morpho-Physiological Features of Chickpea (<i>Cicer arietinum</i> L. cv. karaj). <i>Compost Science and Utilization</i> , 2017, 25, 152-165.	1.2	36
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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.	2.9	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.	4.6	43
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3599	Phytochromes are key regulators of abiotic stress responses in tomato. <i>Scientia Horticulturae</i> , 2017, 222, 126-135.	1.7	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.	2.3	23
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3604	Temperature-dependent chlorophyll accumulation and photosystem II assembly during etioplast to chloroplast transition in sunflower cotyledons. <i>Acta Botanica Croatica</i> , 2017, 76, 107-110.	0.3	1
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 1.3 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.	2.9	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.	0.5	3
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3609	Urban background of air pollution: Evaluation through moss bag biomonitoring of trace elements in Botanical garden. <i>Urban Forestry and Urban Greening</i> , 2017, 25, 1-10.	2.3	26
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3611	Response to salt stress is modulated by growth-promoting rhizobacteria inoculation in two contrasting barley cultivars. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	12

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3628	Salt and methyl jasmonate aggravate growth inhibition and senescence in <i>Arabidopsis</i> seedlings via the JA signaling pathway. <i>Plant Science</i> , 2017, 261, 1-9.	1.7	44
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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.	1.2	16
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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.	4.8	83

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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.	1.5	81
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3664	Comparative analyses of H ₂ photoproduction in magnesium- and sulfur-starved <i>Chlamydomonas reinhardtii</i> cultures. <i>Physiologia Plantarum</i> , 2017, 161, 124-137.	2.6	26
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3670	Linking the Belowground Microbial Composition, Diversity and Activity to Soilborne Disease Suppression and Growth Promotion of Tomato Amended with Biochar. <i>Scientific Reports</i> , 2017, 7, 44382.	1.6	167
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3673	Pathogen-Induced Leaf Chlorosis: Products of Chlorophyll Breakdown Found in Degreened Leaves of Phytoplasma-Infected Apple (<i>Malus domestica</i> Borkh.) and Apricot (<i>Prunus</i>). <i>Agricultural and Food Chemistry</i> , 2017, 65, 2651-2660.	2.4	36
3674	The hydroperoxide lyase branch of the oxylipin pathway protects against photoinhibition of photosynthesis. <i>Planta</i> , 2017, 245, 1179-1192.	1.6	19
3675	Augmented lipid accumulation in ethyl methyl sulphonate mutants of oleaginous microalga for biodiesel production. <i>Bioresource Technology</i> , 2017, 242, 121-127.	4.8	34
3676	Allelopathic potential of sesame plant leachate against <i>Cyperus rotundus</i> L.. <i>Annals of Agrarian Science</i> , 2017, 15, 141-147.	1.2	23
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3679	Phytoremediation of azoxystrobin and its degradation products in soil by <i>P. major</i> L. under cold and salinity stress. <i>Pesticide Biochemistry and Physiology</i> , 2017, 142, 21-31.	1.6	17
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3683	Salinity induced changes in light harvesting and carbon assimilating complexes of <i>Desmostachya bipinnata</i> (L.) Staph.. <i>Environmental and Experimental Botany</i> , 2017, 135, 86-95.	2.0	61
3684	Relationship between isoprene emission and photosynthesis in diatoms, and its implications for global marine isoprene estimates. <i>Marine Chemistry</i> , 2017, 189, 17-24.	0.9	35
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3687	Differential accumulation of photosynthetic proteins regulates diurnal photochemical adjustments of PSII in common fig (<i>Ficus carica</i> L.) leaves. <i>Journal of Plant Physiology</i> , 2017, 209, 1-10.	1.6	31
3688	Antioxidant activities of <i>Moringa oleifera</i> L. and <i>Bidens pilosa</i> L. leaf extracts and their effects on oxidative stability of ground raw beef during refrigeration storage. <i>CYTA - Journal of Food</i> , 2017, 15, 249-256.	0.9	49
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3695	Effects of 24- epi brassinolide and green light on plastid gene transcription and cytokinin content of barley leaves. <i>Steroids</i> , 2017, 120, 32-40.	0.8	13
3696	Ectopic expression of specific <i>GA</i> ² oxidase mutants promotes yield and stress tolerance in rice. <i>Plant Biotechnology Journal</i> , 2017, 15, 850-864.	4.1	97
3697	A chloroplast "wake up" mechanism: Illumination with weak light activates the photosynthetic antenna function in dark-adapted plants. <i>Journal of Plant Physiology</i> , 2017, 210, 1-8.	1.6	12
3698	Tunisian landfill leachate treatment using <i>Chlorella</i> sp.: effective factors and microalgae strain performance. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	24
3699	Biochemical alterations in the leaves of different Desi and Kabuli type chickpea genotypes infected by phytoplasma. <i>Biyokimya Dergisi</i> , 2017, 42, 409-417.	0.1	6
3700	Growth, photosynthetic pigments, phenolic content and biological activities of <i>Foeniculum vulgare</i> Mill., <i>Anethum graveolens</i> L. and <i>Pimpinella anisum</i> L. (Apiaceae) in response to zinc. <i>Industrial Crops and Products</i> , 2017, 109, 627-636.	2.5	23
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3702	The oxidative stress in allelopathy: Participation of prenolipid antioxidants in the response to juglone in <i>Chlamydomonas reinhardtii</i> . <i>Phytochemistry</i> , 2017, 144, 171-179.	1.4	13
3703	Inter- and intra-specific competition of duckweed under multiple heavy metal contaminated water. <i>Aquatic Toxicology</i> , 2017, 192, 216-223.	1.9	16

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3705	Rapid assessment of algal biomass and pigment contents using diffuse reflectance spectroscopy and chemometrics. <i>Algal Research</i> , 2017, 27, 274-285.	2.4	26
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3707	Influence of magnetopriming on germination, growth, physiology, oil and essential contents of cumin (<i>Cuminum cyminum</i> L.). <i>Electromagnetic Biology and Medicine</i> , 2017, 36, 325-329.	0.7	10
3708	Cold-induced physiological and biochemical responses of three grapevine cultivars differing in cold tolerance. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	21
3709	The potential of herbs and spices to reduce lipid oxidation during heating and gastrointestinal digestion of a beef product. <i>Food Research International</i> , 2017, 102, 785-792.	2.9	69
3710	Arabidopsis DNA topoisomerase i alpha is required for adaptive response to light and flower development. <i>Biology Open</i> , 2017, 6, 832-843.	0.6	1
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3712	Changes in nutrition and pigment complex in pine (<i>Pinus sylvestris</i> L.) needles under technogenic pollution in Irkutsk region, Russia. <i>Journal of Forest Research</i> , 2017, 22, 386-392.	0.7	11
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3715	Endophyte Effects on Photosynthesis and Water Use of Plant Hosts: A Meta-Analysis. , 2017, , 43-69.		6
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3718	Dry matter accumulation and phosphorus efficiency response of cotton cultivars to phosphorus and drought. <i>Journal of Plant Nutrition</i> , 2017, 40, 2349-2357.	0.9	11
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3746	Rice peroxisomal ascorbate peroxidase knockdown affects ROS signaling and triggers early leaf senescence. <i>Plant Science</i> , 2017, 263, 55-65.	1.7	71
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3811	Physiological, Biochemical, and Transcriptomic Responses to Boron Toxicity in Leaf and Root Tissues of Contrasting Wheat Cultivars. <i>Plant Molecular Biology Reporter</i> , 2017, 35, 97-109.	1.0	34
3812	Copper phytoextraction by <i>Salvinia cucullata</i> : biochemical and morphological study. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1363-1371.	2.7	8

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3826	Cadmium stress related to root-to-shoot communication depends on ethylene and auxin in tomato plants. <i>Environmental and Experimental Botany</i> , 2017, 134, 102-115.	2.0	88
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3843	Effects of Low pH on Photosynthesis, Related Physiological Parameters, and Nutrient Profiles of Citrus. <i>Frontiers in Plant Science</i> , 2017, 8, 185.	1.7	90
3844	Induction of Systemic Resistance against Aphids by Endophytic <i>Bacillus velezensis</i> YC7010 via Expressing PHYTOALEXIN DEFICIENT4 in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 211.	1.7	100
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3846	Photosynthesis, Light Use Efficiency, and Yield of Reduced-Chlorophyll Soybean Mutants in Field Conditions. <i>Frontiers in Plant Science</i> , 2017, 8, 549.	1.7	114
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3850	Transcriptome Profiling of Tomato Uncovers an Involvement of Cytochrome P450s and Peroxidases in Stigma Color Formation. <i>Frontiers in Plant Science</i> , 2017, 8, 897.	1.7	16
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3852	Evaluation of Borage Extracts As Potential Biostimulant Using a Phenomic, Agronomic, Physiological, and Biochemical Approach. <i>Frontiers in Plant Science</i> , 2017, 8, 935.	1.7	60
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3856	Canopy Vegetation Indices from In situ Hyperspectral Data to Assess Plant Water Status of Winter Wheat under Powdery Mildew Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 1219.	1.7	38
3857	Water-Deficit Tolerance in Sweet Potato [<i>Ipomoea batatas</i> (L.) Lam.] by Foliar Application of Paclobutrazol: Role of Soluble Sugar and Free Proline. <i>Frontiers in Plant Science</i> , 2017, 8, 1400.	1.7	33
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3862	Silencing of D-Lactate Dehydrogenase Impedes Glyoxalase System and Leads to Methylglyoxal Accumulation and Growth Inhibition in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 2071.	1.7	18
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3874	Variable Selection Using Adaptive Band Clustering and Physarum Network. <i>Algorithms</i> , 2017, 10, 73.	1.2	5
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3883	Comparative phytotoxicity of undoped and Er-doped ZnO nanoparticles on <i>Lemna minor</i> L.: changes in plant physiological responses. <i>Turkish Journal of Biology</i> , 2017, 41, 575-586.	2.1	6
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.	0.1	2

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3890	Interaction of Fe_3O_4 nanoparticles with <i>Citrus maxima</i> leaves and the corresponding physiological effects via foliar application. <i>Journal of Nanobiotechnology</i> , 2017, 15, 51.	4.2	65
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3896	The effect of bisphenol A on growth, pigment composition and photosystem II activity of <i>Arabidopsis thaliana</i> . <i>Acta Biochimica Polonica</i> , 2017, 64, 407-413.	0.3	15
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3899	Salinity induced changes in water relations, oxidative damage and morpho-physiological adaptations of pistachio genotypes in soilless culture. <i>Acta Agriculturae Slovenica</i> , 2017, 109, .	0.2	20
3901	Estimating foliar nitrogen in <i>Eucalyptus</i> using vegetation indexes. <i>Scientia Agricola</i> , 2017, 74, 142-147.	0.6	16
3902	Biochemical mechanisms of salinity tolerance in new promising salt tolerant cereal, tritipyrum (<i>Triticum Durum</i> — <i>Thinopyrum Bessarabicum</i>). <i>Australian Journal of Crop Science</i> , 2017, 11, 701-710.	0.1	1
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3905	Biochemical components and dry matter of lemon and mandarin hybrids under salt stress. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2017, 21, 249-253.	0.4	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.	0.2	0
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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.	1.7	15
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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.	0.7	4
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3931	Sustainable luminescent solar concentrators based on organic-inorganic hybrids modified with chlorophyll. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8712-8723.	5.2	38
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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.	1.7	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.	1.0	9
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3938	Joint Gaussian Processes for Biophysical Parameter Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 1718-1727.	2.7	37
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3942	Reflectance and biochemical responses of maize plants to drought and rewatering cycles. <i>Annals of Applied Biology</i> , 2018, 172, 332-345.	1.3	11
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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.	2.7	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.	2.4	10
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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.	5.3	19
3964	Improved salt tolerance in a wheat stay-green mutant <i>tasg1</i> . <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	10
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3968	Microencapsulation of extracts of bioactive compounds obtained from acerola (<i>Malpighia emarginata</i>) characterization. <i>Food Chemistry</i> , 2018, 254, 281-291.	4.2	176
3969	Ectomycorrhizal inoculation with <i>Pisolithus tinctorius</i> reduces stress induced by drought in cork oak. <i>Mycorrhiza</i> , 2018, 28, 247-258.	1.3	40
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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.	0.6	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.	1.0	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 Γ -linolenic acid. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 531-542.	1.7	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.	3.9	60
3980	Ameliorative effects of <i>Trichoderma harzianum</i> on monocot crops under hydroponic saline environment. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	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.	1.7	47
3982	On the source of non-linear light absorbance in photosynthetic samples. <i>Photosynthesis Research</i> , 2018, 136, 345-355.	1.6	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.	4.1	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.	1.0	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.	2.7	13
3986	Interaction mechanisms between Γ -Fe ₂ O ₃ , Γ ³ -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.	3.9	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.	2.9	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.	1.5	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.	3.2	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	1.1	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.	2.0	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.	1.7	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.	0.9	7

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3995	Efficacy of N ₂ O ₂ donor schiff bases and their Zn ²⁺ complexes on various morphological and biochemical parameters of <i>Cicer arietinum</i> L.. <i>Journal of Plant Nutrition</i> , 2018, 41, 487-496.	0.9	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.	2.8	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, .	0.4	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.	1.7	61
3999	Novel transcription factors PvBMY1 and PvBMY3 increase biomass yield in greenhouse-grown switchgrass (<i>Panicum virgatum</i> L.). <i>Plant Science</i> , 2018, 273, 100-109.	1.7	14
4000	Plant Hormonomics: Multiple Phytohormone Profiling by Targeted Metabolomics. <i>Plant Physiology</i> , 2018, 177, 476-489.	2.3	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.	6.6	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.	0.9	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.	0.8	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.	0.6	16
4005	Versatile templates from cellulose nanofibrils for photosynthetic microbial biofuel production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5825-5835.	5.2	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.	1.0	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.	2.0	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.	2.8	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.	1.7	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.	1.6	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.	1.2	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.	4.6	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.	1.7	21
4015	Physics-aware Gaussian processes in remote sensing. <i>Applied Soft Computing Journal</i> , 2018, 68, 69-82.	4.1	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.	0.6	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.	2.0	15
4018	Physiological, biochemical, and ultrastructural characterization of selenium toxicity in cowpea plants. <i>Environmental and Experimental Botany</i> , 2018, 150, 172-182.	2.0	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.	1.1	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.	1.2	19
4021	Full-scale validation of an algal productivity model including nitrogen limitation. <i>Algal Research</i> , 2018, 31, 377-386.	2.4	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.	2.9	56
4023	Enhancing storage stability of guava with tannic acid-crosslinked zein coatings. <i>Food Chemistry</i> , 2018, 257, 252-258.	4.2	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.	0.5	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.	1.1	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.	0.9	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.	2.7	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.	0.8	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.	1.2	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.	0.9	21

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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.	3.2	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.	0.9	61
4034	<i>Lisianthus</i> response to salinity stress. <i>Photosynthetica</i> , 2018, 56, 487-494.	0.9	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.	1.7	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.	1.5	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.	0.9	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.	2.8	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.	1.7	28
4040	Postharvest gaseous ozone treatment enhances quality parameters and delays softening in cantaloupe melon during storage at 6°C. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 487-494.	1.7	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.	0.9	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.	0.9	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.	0.9	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.	3.2	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.	2.3	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.	1.4	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.	1.8	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.	1.5	13
4052	Abiotic Stress Phenotyping of Polyamine Mutants. <i>Methods in Molecular Biology</i> , 2018, 1694, 389-403.	0.4	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 salugineum</i> callus cells. <i>Photosynthesis Research</i> , 2018, 136, 199-214.	1.6	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.	1.4	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.	2.0	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.	0.9	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.	0.9	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.	4.8	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.	3.9	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.	2.9	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.	1.5	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.	1.7	13
4063	The impact of operational strategies on the performance of a photo-EBPR system. <i>Water Research</i> , 2018, 129, 190-198.	5.3	24
4064	Bioagents and silicon promoting fast early upland rice growth. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3657-3668.	2.7	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.	2.7	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.	2.8	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.	1.8	56
4068	Synergistic dynamics of light, photoperiod and chemical stimulants influences biomass and lipid productivity in <i>Chlorella singularis</i> (UUIND5) for biodiesel production. <i>Applied Biological Chemistry</i> , 2018, 61, 7-13.	0.7	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.	2.9	30
4070	Characterization of mercury-induced stress biomarkers in <i>Fagopyrum tataricum</i> plants. <i>International Journal of Phytoremediation</i> , 2018, 20, 225-236.	1.7	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.	4.8	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.	0.4	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.	0.6	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.	1.6	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.	4.6	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.	1.8	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.	0.9	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.	1.5	23
4079	Quantification of <i>Tetradismus obliquus</i> (Chlorophyceae) cell size and lipid content heterogeneity at single cell level. <i>Journal of Phycology</i> , 2018, 54, 187-197.	1.0	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.	2.9	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.	3.9	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.	4.0	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.	1.7	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.	5.1	55

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4085	Photosynthetic Responses of a Wheat Mutant (Rht-B1c) with Altered DELLA Proteins to Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 645-656.	2.8	25
4086	Ozone exposure- and flux-based response relationships with photosynthesis of winter wheat under fully open air condition. <i>Science of the Total Environment</i> , 2018, 619-620, 1538-1544.	3.9	18
4087	Marine natural pigments as potential sources for therapeutic applications. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 745-761.	5.1	69
4088	Urea increased nickel and copper accumulation in the leaves of <i>Egeria densa</i> (Planch.) Casp. and <i>Ceratophyllum demersum</i> L. during short-term exposure. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 152-159.	2.9	18
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.	1.3	20
4090	Kinetin Regulates UV-B-Induced Damage to Growth, Photosystem II Photochemistry, and Nitrogen Metabolism in Tomato Seedlings. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 233-245.	2.8	30
4091	Photochemical changes and oxidative damage in four foxtail millet varieties following exposure to sethoxydim. <i>Photosynthetica</i> , 2018, 56, 820-831.	0.9	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.	0.1	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.	0.6	2
4094	A study of the phytotoxic effects of the aerial parts of <i>Senecio westermanii</i> DusÃ©n (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.	1.3	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.	1.4	5
4097	Modifications of morphological and physiological characteristics of pigmented-rice seedlings by application of titanium dioxide nanoparticles. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
4098	Post-harvest quality of bananas Prata-anÃ© and Nanica after application of exogenous ethylene in maturation. <i>Revista Brasileira De Fruticultura</i> , 2018, 40, .	0.2	2
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, .	0.2	11
4100	Field-grown soybean transcriptome shows diurnal patterns in photosynthesis-related processes. <i>Plant Direct</i> , 2018, 2, e00099.	0.8	10
4101	GerminaÃ©o, desenvolvimento inicial e morfoanatomia de cactÃ©ceas epifÃ©ticas. <i>Rodriguesia</i> , 2018, 69, 2119-2135.	0.9	2
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.	0.1	15

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4103	Quality changes of lambâ€™s lettuce during postharvest storage. <i>Acta Horticulturae</i> , 2018, , 329-334.	0.1	1
4104	Effect of 24-epibrassinolide on UCB1 pistachio rootstock under salinity stress. <i>Acta Horticulturae</i> , 2018, , 177-184.	0.1	2
4105	Oxidative Damage and Antioxidant Response in <i>Chenopodium murale</i> L. Exposed to Elevated Levels of Zn. <i>Brazilian Archives of Biology and Technology</i> , 2018, 61, .	0.5	10
4106	Peach rootstock tolerance to excess zinc in sandy acidic soil. <i>Acta Horticulturae</i> , 2018, , 75-82.	0.1	1
4107	Protective Role of <i>Mentha arvensis</i> Aqueous Extract against Manganese Induced Toxicity by Reducing Mn Translocation and Promoting Antioxidative Defense in growing Indica Rice Seedlings. <i>Journal of Crop Science and Biotechnology</i> , 2018, 21, 353-366.	0.7	11
4108	Rice Overexpressing OsNUC1-S Reveals Differential Gene Expression Leading to Yield Loss Reduction after Salt Stress at the Booting Stage. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3936.	1.8	14
4109	Investigating the effect of canopy position on rind phytochemical concentrations and radical scavenging activities of â€™Nules Clementineâ€™ mandarin during postharvest cold storage. <i>Acta Horticulturae</i> , 2018, , 145-152.	0.1	0
4110	Z-scheme solar water splitting <i>via</i> self-assembly of photosystem I-catalyst hybrids in thylakoid membranes. <i>Chemical Science</i> , 2018, 9, 8504-8512.	3.7	20
4111	Chlorophyll Composition, Chlorophyll Fluorescence, and Grain Yield Change in esl Mutant Rice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2945.	1.8	20
4112	Investigation of chlorotic foliage on European aspen (<i>Populus tremula</i> L.). <i>Acta Horticulturae</i> , 2018, , 105-112.	0.1	1
4113	Effect of Two Girdling Dates on Carbohydrate Accumulation in Plant Tissues and Fruit Quality of Barberry. <i>Journal of Horticultural Research</i> , 2018, 26, 55-60.	0.4	0
4114	Nitrogen fertilization to attenuate the damages caused by salinity on yellow passion fruit seedlings. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2018, 22, 541-546.	0.4	7
4115	Airborne Imaging Spectroscopy for Assessing Soil Sealing Effect on Urban Tree Health. , 2018, , .		0
4116	GERMINATION AND INITIAL GROWTH OF <i>Sesbania punicea</i> (Cav.)Benth.: INFLUENCE OF SALINITY, FLOODING AND LIGHT1. <i>Revista Arvore</i> , 2018, 42, .	0.5	0
4117	Assessment of antioxidant enzymes in response to exogenous titanium dioxide (TiO ₂) nanoparticles in Chainat 1 rice cultivar. <i>Materials Today: Proceedings</i> , 2018, 5, 14160-14165.	0.9	3
4118	In vitro plant growth promotion by ZnO nanomaterials in indica rice seedlings (<i>Oryza sativa</i> L.). <i>Materials Today: Proceedings</i> , 2018, 5, 14944-14949.	0.9	5
4119	Maize ABP2 enhances tolerance to drought and salt stress in transgenic <i>Arabidopsis</i> . <i>Journal of Integrative Agriculture</i> , 2018, 17, 2379-2393.	1.7	16
4120	Evaluation of photosynthesis, physiological, and biochemical responses of chickpea (<i>Cicer arietinum</i>) Tj ETQq1 1 0.784314 rgBT /Over Agriculture, 2018, 17, 2426-2437.	1.7	52

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4122	Inoculation with Efficient Nitrogen Fixing and Indoleacetic Acid Producing Bacterial Microsymbiont Enhance Tolerance of the Model Legume <i>Medicago truncatula</i> to Iron Deficiency. <i>BioMed Research International</i> , 2018, 2018, 1-14.	0.9	7
4123	Exogenous Melatonin Protects Canola Plants from Toxicity of Excessive Copper. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 882-889.	0.5	19
4124	Plastome Transcription Machinery and Peculiarities of the Expression of Its Genes during Cytokinin-Dependent Deetiolation of <i>Arabidopsis thaliana</i> . <i>Russian Journal of Plant Physiology</i> , 2018, 65, 801-812.	0.5	4
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.	1.1	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.	1.6	5
4127	Nitrogen deposition does not affect the impact of shade on <i>Quercus acutissima</i> seedlings. <i>PLoS ONE</i> , 2018, 13, e0194261.	1.1	11
4128	<i>Arabidopsis molybdenum</i> cofactor sulfurase ABA3 contributes to anthocyanin accumulation and oxidative stress tolerance in ABA-dependent and independent ways. <i>Scientific Reports</i> , 2018, 8, 16592.	1.6	43
4129	Synthesis, Characterization and Herbicidal Activity of Amide Derivatives of Glyphosate. <i>Oriental Journal of Chemistry</i> , 2018, 34, 2378-2383.	0.1	5
4130	Effect of 1-MCP and low-temperature storage on postharvest conservation of camu-camu. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	3
4131	Self-Adaptable Quinone-Quinol Exchange Mechanism of Photosystem II. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10478-10489.	1.2	3
4132	Redox poise and metabolite changes in bread wheat seeds are advanced by priming with hot steam. <i>Biochemical Journal</i> , 2018, 475, 3725-3743.	1.7	25
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.	1.2	27
4134	Phenotypic plasticity of polyploid plant species promotes transgressive behaviour in their hybrids. <i>AoB PLANTS</i> , 2018, 10, ply055.	1.2	20
4135	Growth, biochemical response and nutritional status of Angico-Vermelho (<i>Parapiptadenia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 International Journal of Phytoremediation, 2018, 20, 1380-1388.	1.7	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.	0.1	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.	0.6	3
4138	Nedestruktivna procjena koncentracije fotosintetskih pigmentata u lišću hrasta lužnjaka (<i>Quercus</i>) Tj ETQq0 0 0 rgBT /Overlock 0.1 4	0.1	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.	1.8	10

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4140	Adaptive Responses of Morphological Forms of the Pine (<i>Pinus sylvestris</i> L.) under Stressful Conditions of the Northern Taiga (in the Northern Dvina Basin). <i>Contemporary Problems of Ecology</i> , 2018, 11, 377-387.	0.3	3
4141	Deterioration of willow seeds during storage. <i>Scientific Reports</i> , 2018, 8, 17207.	1.6	13
4142	Identification and Morphological-Physiological Characterization of Astaxanthin Producer Strains of <i>Haematococcus pluvialis</i> from the Black Sea Region. <i>Applied Biochemistry and Microbiology</i> , 2018, 54, 639-648.	0.3	9
4143	An alternative to mineral phosphorus fertilizers: The combined effects of <i>Trichoderma harzianum</i> and compost on <i>Zea mays</i> , as revealed by 1H NMR and GC-MS metabolomics. <i>PLoS ONE</i> , 2018, 13, e0209664.	1.1	45
4144	Considering the preferences for nitrogen forms by invasive plants: a case study from a hydroponic culture experiment. <i>Weed Research</i> , 2019, 59, 49-57.	0.8	19
4145	Impacts of warming and water deficit on antioxidant responses in <i>Panicum maximum</i> Jacq. <i>Physiologia Plantarum</i> , 2019, 165, 413-426.	2.6	16
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. <i>Ife Journal of Science</i> , 2018, 20, 51.	0.1	3
4147	Leaf Pigment Content. , 2018, , 117-142.		68
4148	Salinity Tolerance of Turf-type Tall Fescue as Affected by Nitrogen Sources. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 1695-1699.	0.5	0
4149	OsDIRP1, a Putative RING E3 Ligase, Plays an Opposite Role in Drought and Cold Stress Responses as a Negative and Positive Factor, Respectively, in Rice (<i>Oryza sativa</i> L.). <i>Frontiers in Plant Science</i> , 2018, 9, 1797.	1.7	22
4150	Influence of thidiazuron on callus induction and crocin production in corm and style explants of <i>Crocus sativus</i> L.. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	12
4151	Interrelation of Absorption Spectra of Plant Pigments and LED Lighting with Different Spectral Compositions. <i>Technical Physics</i> , 2018, 63, 1243-1247.	0.2	4
4152	Effects of 1-Methylcyclopropene Treatment on Physicochemical Attributes of ‘Hai Jiang’ Yardlong Bean during Cold Storage. <i>Journal of Food Quality</i> , 2018, 2018, 1-7.	1.4	5
4153	Comparison of radiosensitivity response to acute and chronic gamma irradiation in colored wheat. <i>Genetics and Molecular Biology</i> , 2018, 41, 611-623.	0.6	32
4154	Evaluation of antioxidant bioindicators and growth responses in <i>Malva parviflora</i> L. exposed to cadmium. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 1005-1016.	1.4	14
4155	Impact of in vitro cold stress on two banana genotypes based on physio-biochemical Evaluation. <i>South African Journal of Botany</i> , 2018, 119, 219-225.	1.2	33
4156	The effect of hydro and proline seed priming on growth, proline and sugar content, and antioxidant activity of maize under cadmium stress. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33370-33380.	2.7	43
4157	<i>Bacillus firmus</i> (SW5) augments salt tolerance in soybean (<i>Glycine max</i> L.) by modulating root system architecture, antioxidant defense systems and stress-responsive genes expression. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 375-384.	2.8	149

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4158	A Tomato Tocopherol Binding Protein Sheds Light on Intracellular $\hat{\pm}$ -tocopherol Metabolism in Plants. <i>Plant and Cell Physiology</i> , 2018, 59, 2188-2203.	1.5	19
4159	Passive modified atmosphere affects the quality of minimally processed escarole. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13724.	0.9	2
4160	SiYGL2 Is Involved in the Regulation of Leaf Senescence and Photosystem II Efficiency in <i>Setaria italica</i> (L.) P. Beauv.. <i>Frontiers in Plant Science</i> , 2018, 9, 1308.	1.7	11
4161	Metabolic modelling and energy parameter estimation of <i>Tetrademus obliquus</i> . <i>Algal Research</i> , 2018, 35, 378-387.	2.4	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.	0.3	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.	0.9	39
4164	Integrated physiological analysis reveals that recovery capacity after salt stress withdrawal is a crucial mechanism for salt tolerance in soybean cultivars. <i>Indian Journal of Plant Physiology</i> , 2018, 23, 444-458.	0.8	1
4165	Phytochemical differences between white- and yellow-flowering rapeseed (<i>Brassica napus</i> L.) grown as sprouts and seedlings for human consumption. <i>Acta Horticulturae</i> , 2018, , 143-150.	0.1	1
4166	Copper Based Nanomaterials Suppress Root Fungal Disease in Watermelon (<i>Citrullus lanatus</i>): Role of Particle Morphology, Composition and Dissolution Behavior. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14847-14856.	3.2	133
4167	Photosystem-II D1 protein mutants of <i>Chlamydomonas reinhardtii</i> in relation to metabolic rewiring and remodelling of H-bond network at QB site. <i>Scientific Reports</i> , 2018, 8, 14745.	1.6	12
4168	Parallel selection on a dormancy gene during domestication of crops from multiple families. <i>Nature Genetics</i> , 2018, 50, 1435-1441.	9.4	168
4169	Seasonal Changes in Primary Photosynthetic Events during Low Temperature Adaptation of <i>Pinus sylvestris</i> in Central Yakutia. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 658-666.	0.5	6
4170	Bio-priming mitigates detrimental effects of salinity on maize improving antioxidant defense and preserving photosynthetic efficiency. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 465-474.	2.8	43
4171	Insights into the Positive Effect of Pyraclostrobin on Sugarcane Productivity. <i>Agronomy</i> , 2018, 8, 122.	1.3	9
4172	Comparative effects of arsenite (As(III)) and arsenate (As(V)) on whole plants and cell lines of the arsenic-resistant halophyte plant species <i>Atriplex atacamensis</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 34473-34486.	2.7	22
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.	2.4	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.	1.4	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.	0.5	11

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4176	Photosynthesis limitations in cacao leaves under different agroforestry systems in the Colombian Amazon. <i>PLoS ONE</i> , 2018, 13, e0206149.	1.1	31
4177	Morph-physiological responses of cotton interspecific chromosome substitution lines to low temperature and drought stresses. <i>Euphytica</i> , 2018, 214, 1.	0.6	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.	0.9	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.	0.6	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.	2.5	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.	0.1	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.	0.8	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.	1.6	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.	2.8	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.	1.1	24
4186	Molecular distribution and toxicity assessment of yttrium in <i>Elodea canadensis</i> . <i>Marine and Freshwater Research</i> , 2018, 69, 690.	0.7	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.	0.6	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.	1.6	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.	2.8	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.	2.0	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.	4.8	59
4192	Calcium ameliorates the toxicity of sulfate salinity in <i>Brassica rapa</i> . <i>Journal of Plant Physiology</i> , 2018, 231, 1-8.	1.6	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.	2.7	4

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4194	The Resistance of <i>Phleum pratense</i> and <i>Elytrigia repens</i> to High Concentrations of Zinc. <i>Biology Bulletin</i> , 2018, 45, 454-460.	0.1	4
4195	Smartphone near infrared monitoring of plant stress. <i>Computers and Electronics in Agriculture</i> , 2018, 154, 93-98.	3.7	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, , .	0.3	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.	1.7	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.	2.7	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.	1.6	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.	0.6	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.	2.0	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.	1.8	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.	1.4	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.	0.7	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.	2.8	22
4207	Process for selective extraction of pigments and functional proteins from <i>Chlorella vulgaris</i> . <i>Algal Research</i> , 2018, 35, 185-193.	2.4	61
4208	Changes in leaf gas exchange and chlorophyll fluorescence on soybean plants supplied with silicon and infected by <i>Cercospora sojina</i> . <i>Journal of Phytopathology</i> , 2018, 166, 747-760.	0.5	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.	2.9	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.	2.9	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.	0.5	2

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4212	Tolerance and resistance facilitate the invasion success of <i>Alternanthera philoxeroides</i> in disturbed habitats: A reconsideration of the disturbance hypothesis in the light of phenotypic variation. <i>Environmental and Experimental Botany</i> , 2018, 153, 135-142.	2.0	27
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.	2.5	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.	5.8	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.	1.0	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.	1.4	7
4217	Ecotoxicity evaluation of natural suspended particles using the microalga, <i>Euglena gracilis</i> . <i>Chemosphere</i> , 2018, 206, 802-808.	4.2	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.	0.9	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.	1.0	12
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4221	Pretreated animal and human waste as a substantial nutrient source for cultivation of microalgae for biodiesel production. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22052-22059.	2.7	21
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.	2.0	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.	1.7	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.	0.5	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.	2.7	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.	1.0	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.	1.0	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.	0.7	3
4229	Effects of endogenous ascorbic acid on resistance to high-temperature stress in excised rice leaves. <i>Photosynthetica</i> , 2018, 56, 1453-1458.	0.9	19

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4230	Glutamic acid assisted phyto-management of silver-contaminated soils through sunflower; physiological and biochemical response. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25390-25400.	2.7	32
4231	Methyl jasmonate alleviates drought stress in young sugar beet (<i>Beta vulgaris</i> L.) plants. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 566-576.	1.7	41
4232	Transcriptome analysis of leaf senescence in red clover (<i>Trifolium pratense</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 753-765.	1.4	22
4233	Salinity influences the interactive effects of cadmium and zinc on ethylene and polyamine synthesis in the halophyte plant species <i>Kosteletzkya pentacarpos</i> . <i>Chemosphere</i> , 2018, 209, 892-900.	4.2	33
4234	The influence of phenols extracted from olive mill wastewater on the heterotrophic and mixotrophic growth of <i>Scenedesmus</i> sp.. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3619-3626.	1.6	27
4235	Phytostimulatory effect of silver nanoparticles (AgNPs) on rice seedling growth: An insight from antioxidative enzyme activities and gene expression patterns. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 624-633.	2.9	164
4236	The Effect of Ferrous Nano-oxide Particles on Physiological Traits and Nutritional Compounds of Soybean (<i>Glycine max</i> L.) Seed. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 485-494.	0.3	49
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4238	Effect of cerium on growth and antioxidant metabolism of <i>Lemna minor</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 536-543.	2.9	35
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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.	1.7	20
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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.	1.6	6
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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.	0.5	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.	0.5	11
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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.	1.1	22
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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.	2.7	76
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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.	2.8	23
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4300	The acclimatization strategies of kidney vetch (<i>Anthyllis vulneraria</i> L.) to Pb toxicity. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19739-19752.	2.7	27
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4315	Effect of glucose on growth and fatty acid composition of an euryhaline eustigmatophyte <i>Nannochloropsis oceanica</i> under mixotrophic culture condition. <i>Bioresource Technology Reports</i> , 2018, 3, 147-153.	1.5	10
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4321	Photosynthetic and Stress Responsive Proteins Are Altered More Effectively in <i>Nicotiana benthamiana</i> Infected with Plum pox virus Aggressive PPV-CR versus Mild PPV-C Cherry-Adapted Isolates. <i>Journal of Proteome Research</i> , 2018, 17, 3114-3127.	1.8	12
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4323	Enhancing antioxidant systems by exogenous spermine and spermidine in wheat (<i>Triticum aestivum</i>) seedlings exposed to salt stress. <i>Functional Plant Biology</i> , 2018, 45, 745.	1.1	22
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4332	Innovative polyhydroxybutyrate production by <i>Chlorella fusca</i> grown with pentoses. <i>Bioresource Technology</i> , 2018, 265, 456-463.	4.8	56
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4335	Exogenous application of 5-aminolevulinic acid improves low-temperature stress tolerance of maize seedlings. <i>Crop and Pasture Science</i> , 2018, 69, 587.	0.7	25
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4339	Soil-to-plant transfer of naphthalene and its effects on seedlings pea (<i>Pisum sativum</i> L.) grown on contaminated soil. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 3713-3723.	1.2	7
4340	Acclimation responses of immobilized N ₂ -fixing heterocystous cyanobacteria to long-term H ₂ photoproduction conditions: carbon allocation, oxidative stress and carotenoid production. <i>Journal of Applied Phycology</i> , 2019, 31, 131-143.	1.5	0
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4351	Induction of phenolic compounds by UV and PAR is modulated by leaf ontogeny and barley genotype. <i>Plant Physiology and Biochemistry</i> , 2019, 134, 81-93.	2.8	17
4352	Short-day treatment affects growth, physiological parameters and needle proteome of Chinese pine (<i>Pinus tabulaeformis</i> Carr.) seedlings. <i>New Forests</i> , 2019, 50, 469-488.	0.7	2
4353	Phenotyping of isogenic chlorophyll-less bread and durum wheat mutant lines in relation to photoprotection and photosynthetic capacity. <i>Photosynthesis Research</i> , 2019, 139, 239-251.	1.6	26
4354	Responses of antioxidant enzymes, photosynthetic pigments and carbohydrates in micropropagated <i>Pitcairnia encholirioides</i> L.B. Sm. (Bromeliaceae) under ex vitro water deficit and after rehydration. <i>Brazilian Journal of Biology</i> , 2019, 79, 53-62.	0.4	7
4355	Comparative effect of organic amendments on physio-biochemical traits of young and old bean leaves grown under cadmium stress: a multivariate analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11579-11590.	2.7	13

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4358	Extraction of Leaf Traits. , 2019, , 320-356.		0
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4360	Quantum yield alterations due to the static magnetic fields action on <i>Arthrospira platensis</i> SAG 21.99: Evaluation of photosystem activity. Bioresource Technology, 2019, 292, 121945.	4.8	25
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4364	Spectroscopy of Leaf Molecules. , 2019, , 48-73.		2
4365	Measurement of Leaf Optical Properties. , 2019, , 74-123.		1
4366	Variations Due to Leaf Abiotic and Biotic Factors. , 2019, , 195-228.		1
4367	Comprehensive Reviews of Leaf Optical Properties Models. , 2019, , 229-264.		1
4368	Modeling Leaf Optical Properties:prospect. , 2019, , 265-291.		1
4369	Modeling Three-Dimensional Leaf Optical Properties:raytran. , 2019, , 292-319.		0
4370	Applications of Leaf Optics. , 2019, , 357-403.		0
4385	Integrated physiologic, proteomic, and metabolomic analyses of <i>Malus halliana</i> adaptation to saline“alkali stress. Horticulture Research, 2019, 6, 91.	2.9	73
4386	Modulation of growth and oxidative stress by seed priming with salicylic acid in <i>Zea mays</i> L. under lead stress. Journal of Plant Interactions, 2019, 14, 369-375.	1.0	11
4387	TiO ₂ nanoparticles may alleviate cadmium toxicity in co-treatment experiments on the model hydrophyte <i>Azolla filiculoides</i> . Environmental Science and Pollution Research, 2019, 26, 29872-29882.	2.7	16

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4389	Growth and antioxidant system responses of maize (<i>Zea mays</i> L.) seedling to different concentration of pyrene in a controlled environment. <i>Acta Agriculturae Slovenica</i> , 2019, 113, 29.	0.2	8
4390	Effects of exogenous melatonin and abscisic acid on the antioxidant enzyme activities and photosynthetic pigment in "Summer Black" grape under drought stress. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 295, 012013.	0.2	4
4391	Morpho-physiological analysis of aquatic plants for phytoremediation of wastewater from gold mine wastewater treatment installation (IPAL). <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 299, 012060.	0.2	0
4392	Foliar fertilization of two dominant species in a semiarid ecosystem improves their ecophysiological status and the use efficiency of a water pulse. <i>Environmental and Experimental Botany</i> , 2019, 167, 103854.	2.0	12
4393	Interactive Effect of Silicon (Si) and Salicylic Acid (SA) in Maize Seedlings and Their Mechanisms of Cadmium (Cd) Toxicity Alleviation. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 1587-1597.	2.8	55
4394	<i>Curtobacterium</i> sp. MA01 generates oxidative stress to inhibit the plant growth. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101274.	1.5	7
4395	Applications of carbon quantum dots to alleviate Cd ²⁺ phytotoxicity in <i>Citrus maxima</i> seedlings. <i>Chemosphere</i> , 2019, 236, 124385.	4.2	35
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4397	Estimation of Corn Canopy Chlorophyll Content Using Derivative Spectra in the O ₂ Absorption Band. <i>Frontiers in Plant Science</i> , 2019, 10, 1047.	1.7	10
4398	Genetic homogeneity and high shoot proliferation in banana (<i>Musa acuminata</i> Colla) by altering medium thiamine level and sugar type. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2019, 55, 668-677.	0.9	12
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4400	The NAC Protein from <i>Tamarix hispida</i> , ThNAC7, Confers Salt and Osmotic Stress Tolerance by Increasing Reactive Oxygen Species Scavenging Capability. <i>Plants</i> , 2019, 8, 221.	1.6	26
4401	Morphological, ecophysiological and photosynthetic diversity of some <i>Pistacia</i> species for use in breeding programs. <i>Genetic Resources and Crop Evolution</i> , 2019, 66, 1399-1419.	0.8	2
4402	Effects of salt stress on physio-biochemical characters and gene expressions in halophyte grass <i>Leptochloa fusca</i> (L.) Kunth. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	14
4403	Temperature alters susceptibility of <i>Picea abies</i> seedlings to airborne pollutants: The case of CdO nanoparticles. <i>Environmental Pollution</i> , 2019, 253, 646-654.	3.7	8
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4407	Effects of nanoscale zerovalent cobalt on growth and photosynthetic parameters of soybean <i>Glycine max</i> (L.) Merr. DT26 at different stages. <i>BMC Energy</i> , 2019, 1, .	6.3	7
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4410	Wheat and barley can increase grain yield in shade through acclimation of physiological and morphological traits in Mediterranean conditions. <i>Scientific Reports</i> , 2019, 9, 9547.	1.6	40
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4412	Hormonal Effects of an Enzymatically Hydrolyzed Animal Protein-Based Biostimulant (Pepton) in Water-Stressed Tomato Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 758.	1.7	48
4413	Yield and quality of lettuce cultivars irrigated with treated domestic sewage effluent. <i>Semina: Ciencias Agrarias</i> , 2019, 40, 1089.	0.1	1
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4416	Toxicological risks of Acid Bordeaux B on duckweed and the plant potential for effective remediation of dye-polluted waters. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27699-27711.	2.7	9
4417	Ameliorative effects of 24-epibrassinolide and thiamine on excess cadmium-induced oxidative stress in Canola (<i>Brassica napus</i> L.) plants. <i>Journal of Plant Interactions</i> , 2019, 14, 359-368.	1.0	18
4418	Study of Zn accumulation and tolerance of HMA4 TILLING mutants of <i>Brassica rapa</i> grown under Zn deficiency and Zn toxicity. <i>Plant Science</i> , 2019, 287, 110201.	1.7	14
4419	Effect of Fertilization on Yield and Quality of <i>Sisymbrium officinale</i> (L.) Scop. Grown as Leafy Vegetable Crop. <i>Agronomy</i> , 2019, 9, 401.	1.3	3
4420	Contrasting Effects of NaCl and NaHCO ₃ Stresses on Seed Germination, Seedling Growth, Photosynthesis, and Osmoregulators of the Common Bean (<i>Phaseolus vulgaris</i> L.). <i>Agronomy</i> , 2019, 9, 409.	1.3	11
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4422	Integrated Genome-Scale Analysis Identifies Novel Genes and Networks Underlying Senescence in Maize. <i>Plant Cell</i> , 2019, 31, 1968-1989.	3.1	63
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4425	Physiological and Biochemical Responses of Pearl Millet (<i>Pennisetum glaucum</i> L.) Seedlings Exposed to Silver Nitrate (AgNO ₃) and Silver Nanoparticles (AgNPs). <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2261.	1.2	32
4426	Growth and some physiological characteristics of <i>Pistacia vera</i> L. cv Ahmad Aghaei in response to cadmium stress and <i>Glomus mosseae</i> symbiosis. <i>South African Journal of Botany</i> , 2019, 124, 499-507.	1.2	18
4427	Gene expression and biochemical response of giant reed under Ni and Cu stress. <i>International Journal of Phytoremediation</i> , 2019, 21, 1474-1485.	1.7	8
4428	EDTA-Assisted Metal Uptake in <i>Raphanus sativus</i> L. and <i>Brassica oleracea</i> L.: Assessment of Toxicity and Food Safety. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 490-495.	1.3	14
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4434	Sexually differential tolerance to water deficiency of <i>Salix paraplesia</i> "A female-biased alpine willow. <i>Ecology and Evolution</i> , 2019, 9, 8450-8464.	0.8	33
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4440	Magnesium-Deficiency Effects on Pigments, Photosynthesis and Photosynthetic Electron Transport of Leaves, and Nutrients of Leaf Blades and Veins in <i>Citrus sinensis</i> Seedlings. <i>Plants</i> , 2019, 8, 389.	1.6	45
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4450	Comparative photosynthetic responses of Norway spruce and Scots pine seedlings to prolonged water deficiency. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 201, 111659.	1.7	12
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4453	Antioxidant Chemical Treatment Affects Physiology and Quality of Minimally-processed Escarole. <i>Horticulturae</i> , 2019, 5, 75.	1.2	4
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4455	Trait convergence and niche differentiation of two exotic invasive free-floating plant species in China under shifted water nutrient stoichiometric regimes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35779-35786.	2.7	8
4456	Concentration-dependent effects of tungstate on germination, growth, lignification-related enzymes, antioxidants, and reactive oxygen species in broccoli (<i>Brassica oleracea</i> var. <i>italica</i> L.). <i>Environmental Science and Pollution Research</i> , 2019, 26, 36441-36457.	2.7	26
4457	Effect of light quality on carotenogenic and non-carotenogenic species of the genus <i>Dunaliella</i> under nitrogen deficiency. <i>Algal Research</i> , 2019, 44, 101725.	2.4	25
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4460	New insights into cadmium stressful-conditions: Role of ethylene on selenium-mediated antioxidant enzymes. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109747.	2.9	36

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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.	1.6	21
4463	Glutathione and hydrogen sulfide are required for sulfur-mediated mitigation of Cr(VI) toxicity in tomato, pea and brinjal seedlings. <i>Physiologia Plantarum</i> , 2020, 168, 406-421.	2.6	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.	1.2	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.	1.4	1
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4473	Enhancing Stability of Microalgae Biocathode by a Partially Submerged Carbon Cloth Electrode for Bioenergy Production from Wastewater. <i>Energies</i> , 2019, 12, 3229.	1.6	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.	0.5	0
4475	Carbon nanoparticles assisted energy transport mechanism in leaves: A thermal lens study. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	14
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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.	0.5	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.	0.6	3

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4479	The coordinated action of <sc>PPR</sc>4 and <sc>EMB</sc>2654 on each intron half mediates <i>trans</i>-splicing of <i>rps12</i> transcripts in plant chloroplasts. <i>Plant Journal</i> , 2019, 100, 1193-1207.	2.8	42
4480	Mode of Action in Bacteria <i>Bacillus subtilis</i> no. 2 and Humic Preparation on Fruit Formation in Sweet Pepper. <i>Russian Agricultural Sciences</i> , 2019, 45, 344-350.	0.1	0
4481	Influence of additional amino acids in growth of different wheat (<i>Triticum aestivum L</i>) genotypes. <i>Journal of Plant Nutrition</i> , 2019, 42, 2539-2551.	0.9	1
4482	Ecotoxicological and biochemical effects of environmental concentrations of the plastic-bond pollutant dibutyl phthalate on <i>Scenedesmus</i> sp.. <i>Aquatic Toxicology</i> , 2019, 215, 105281.	1.9	19
4483	Improvement of some growth and yield parameters of faba bean (<i>Vicia faba</i>) by inoculation with <i>Rhizobium laguerreae</i> and arbuscular mycorrhizal fungi. <i>Crop and Pasture Science</i> , 2019, 70, 595.	0.7	22
4484	Overexpression of the maize transcription factor ZmVQ52 accelerates leaf senescence in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2019, 14, e0221949.	1.1	16
4485	Contents of Pigments and Activity of Antioxidant Enzymes in Rice Plants Pre-Treated with Sodium Nitroprusside and Exposed to Clomazone. <i>Planta Daninha</i> , 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. <i>Theoretical and Experimental Plant Physiology</i> , 2019, 31, 387-399.	1.1	7
4487	Spring frost tolerance increase in Sultana grapevine by early season application of calcium sulfate and zinc sulfate. <i>Journal of Plant Nutrition</i> , 2019, 42, 2666-2681.	0.9	9
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4492	Evaluation of Arsenic-Induced Stress in <i>Dahlia pinnata</i> Cav.: Morphological and Physiological Response. <i>Soil and Sediment Contamination</i> , 2019, 28, 716-728.	1.1	25
4493	Differences between sun and shade habitats on the invasive shrub <i>Lantana camara</i> and its biocontrol agent <i>Teleonemia scrupulosa</i> . <i>Arthropod-Plant Interactions</i> , 2019, 13, 885-893.	0.5	4
4494	Response of grass pea (<i>Lathyrus sativus</i> L.) photosynthetic apparatus to short-term intensive UV-A:red radiation. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	7
4495	Seed priming with H ₂ S and Ca ²⁺ trigger signal memory that induces cross-adaptation against nickel stress in zucchini seedlings. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 286-298.	2.8	69
4496	Response of tomato plants to interaction effects of magnetic (Fe₃O₄) nanoparticles and cadmium stress. <i>Journal of Plant Interactions</i> , 2019, 14, 474-481.	1.0	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.	1.4	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.	1.4	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.	2.8	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.	3.9	16
4502	Growth of pigmented rice (<i>Oryza sativa</i> L. cv. <i>Riceberry</i>) exposed to ZnO nanoparticles. <i>Materials Today: Proceedings</i> , 2019, 17, 1987-1994.	0.9	5
4503	Strategies for enhancement of alpha-linolenic acid rich lipids in <i>Desmodium</i> sp. without compromising the biomass production. <i>Bioresource Technology</i> , 2019, 294, 122215.	4.8	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.	0.5	45
4505	Development of dwarfish and yield-effective GM maize through passivation of bioactive gibberellin. <i>Transgenic Research</i> , 2019, 28, 589-599.	1.3	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.	2.9	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.	1.7	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.	1.7	31
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4510	Noncanonical ATC8-ABS3 interaction controls senescence in plants. <i>Nature Plants</i> , 2019, 5, 212-224.	4.7	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.	2.8	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.	1.9	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.	2.0	7
4514	Hydroxyectoine protects Mn-depleted photosystem II against photoinhibition acting as a source of electrons. <i>Photosynthesis Research</i> , 2019, 141, 165-179.	1.6	8

#	ARTICLE	IF	CITATIONS
4515	Photosynthetic activity assessment in mixotrophically cultured <i>Chlorella vulgaris</i> biofilms at various developmental stages. <i>Algal Research</i> , 2019, 38, 101408.	2.4	30
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.	3.8	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.	1.7	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.	1.7	19
4519	Morphological structure and physiological research of heterophylly in <i>Potamogeton octandrus</i> . <i>Plant Systematics and Evolution</i> , 2019, 305, 223-232.	0.3	6
4520	Vetiver grass is a potential candidate for phytoremediation of iron ore mine spoil dumps. <i>Ecological Engineering</i> , 2019, 132, 120-136.	1.6	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.	1.6	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.	2.0	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.	1.1	73
4524	Effects of Two Doses of Organic Extract-Based Biostimulant on Greenhouse Lettuce Grown Under Increasing NaCl Concentrations. <i>Frontiers in Plant Science</i> , 2018, 9, 1870.	1.7	45
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.	2.7	249
4526	Elevated ozone reduced leaf nitrogen allocation to photosynthesis in poplar. <i>Science of the Total Environment</i> , 2019, 657, 169-178.	3.9	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.	1.7	64
4528	Empowering rice seedling growth by endophytic <i>Bradyrhizobium</i> sp. SUTN 9. <i>Letters in Applied Microbiology</i> , 2019, 68, 258-266.	1.0	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.	2.2	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.	0.7	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.	0.6	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 rBT /Overback 10 TFS		

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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.	1.5	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.	2.8	18
4535	Shoot tip culture: a step towards ¹³ C metabolite flux analysis of sink leaf metabolism. <i>Plant Methods</i> , 2019, 15, 48.	1.9	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.	1.8	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.	1.8	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.	0.3	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.	1.8	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.	2.9	39
4541	Improve Plant Photosynthesis by a New Slow-Release Carbon Dioxide Gas Fertilizer. <i>ACS Omega</i> , 2019, 4, 10354-10361.	1.6	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.	1.7	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.	1.9	7
4544	Impact of mesophilic co-composting conditions on the quality of substrates produced from winery waste activated sludge and grape stalks: Lab-scale and pilot-scale studies. <i>Bioresource Technology</i> , 2019, 289, 121622.	4.8	13
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	2.9	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.	2.5	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.	2.8	26
4548	Microalgae associated to humic acid as a novel biostimulant improving onion growth and yield. <i>Scientia Horticulturae</i> , 2019, 256, 108560.	1.7	42
4549	Constitutive expression of GmF6 ² H1 from soybean improves salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 141, 446-455.	2.8	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.	4.8	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.	1.9	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.	1.8	22
4553	Elevated CO ₂ induces age-dependent restoration of growth and metabolism in gibberellin-deficient plants. <i>Planta</i> , 2019, 250, 1147-1161.	1.6	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.	1.0	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.	2.9	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.	2.7	21
4557	Calcium application via hydrocooling and edible coating for the conservation and quality of cashew apples. <i>Scientia Horticulturae</i> , 2019, 256, 108531.	1.7	17
4558	Physiological and transcriptomic analysis of yellow leaf coloration in <i>Populus deltoides</i> Marsh. <i>PLoS ONE</i> , 2019, 14, e0216879.	1.1	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.	0.9	4
4560	<i>Arabidopsis</i> heat shock transcription factor HSF1A7b 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.	2.4	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.	4.2	40
4562	Dietary carotenoids affect the development of individual differences and behavioral plasticity. <i>Behavioral Ecology</i> , 2019, 30, 1273-1282.	1.0	8
4563	Fruit phytochemical composition and color parameters of 21 accessions of five <i>Rosa</i> species grown in North West Iran. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5740-5751.	1.7	33
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.	0.5	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.	1.7	21
4566	A chloroplast-targeted pentatricopeptide repeat protein PPR287 is crucial for chloroplast function and <i>Arabidopsis</i> development. <i>BMC Plant Biology</i> , 2019, 19, 244.	1.6	18
4567	Waterlogging Causes Early Modification in the Physiological Performance, Carotenoids, Chlorophylls, Proline, and Soluble Sugars of Cucumber Plants. <i>Plants</i> , 2019, 8, 160.	1.6	85
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.	1.2	21

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4569	Management Of Commelina benghalensis with Saflufenacil in Shaded Environments. Planta Daninha, 0, 37, .	0.5	6
4570	Effect of gibberellins on growth and biochemical constituents in Chlorella minutissima (Trebouxiophyceae). South African Journal of Botany, 2019, 126, 92-98.	1.2	13
4571	Sensitivity of <i>Chlamydomonas reinhardtii</i> to cadmium stress is associated with phototaxis. Environmental Sciences: Processes and Impacts, 2019, 21, 1011-1020.	1.7	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.	0.9	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.	0.2	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.	1.1	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.	3.1	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.	2.7	49
4577	Aroma and soluble solid contents of the uvaia—a native Atlantic rainforest fruit—are negatively affected by early harvest. Journal of Food Biochemistry, 2019, 43, e12881.	1.2	8
4578	Ammonium triggered the response mechanism of lysine crotonylome in tea plants. BMC Genomics, 2019, 20, 340.	1.2	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.	1.8	23
4580	Organic Matter Composition of Manure and Its Potential Impact on Plant Growth. Sustainability, 2019, 11, 2346.	1.6	29
4581	Evaluation of the co-production of total carotenoids, C-phycoerythrin and polyhydroxyalkanoates by Arthrospira platensis. Bioresource Technology Reports, 2019, 7, 100226.	1.5	12
4582	Copper alleviates cobalt toxicity in barley by antagonistic interaction of the two metals. Ecotoxicology and Environmental Safety, 2019, 180, 234-241.	2.9	21
4583	Elicitation improves rosmarinic acid content and antioxidant activity in Thymus lotocephalus shoot cultures. Industrial Crops and Products, 2019, 137, 214-220.	2.5	29
4584	Radiative transfer modelling reveals why canopy reflectance follows function. Scientific Reports, 2019, 9, 6541.	1.6	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.	1.2	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.	2.6	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.	1.4	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.	1.7	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.	2.9	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.	2.7	126
4591	Effects of Processing on Quality Attributes of Osmo-Dried Broccoli Stalk Slices. <i>Food and Bioprocess Technology</i> , 2019, 12, 1174-1184.	2.6	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.	1.9	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.	0.6	5
4594	Assessing the fertilizing potential of microalgal digestates using the marine diatom <i>Chaetoceros muelleri</i> . <i>Algal Research</i> , 2019, 41, 101534.	2.4	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.	3.9	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.	1.0	49
4597	The interrelation between photorespiration and astaxanthin accumulation in <i>Haematococcus pluvialis</i> using metabolomic analysis. <i>Algal Research</i> , 2019, 41, 101520.	2.4	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.	4.2	16
4599	Defining optimal electron transfer partners for light-driven cytochrome P450 reactions. <i>Metabolic Engineering</i> , 2019, 55, 33-43.	3.6	24
4600	Energetics and Kinetics of S-State Transitions Monitored by Delayed Chlorophyll Fluorescence. <i>Frontiers in Plant Science</i> , 2019, 10, 386.	1.7	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.	1.3	11
4602	UMP Kinase Regulates Chloroplast Development and Cold Response in Rice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2107.	1.8	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.	0.2	3
4605	Phytotoxicity and degradation of antibiotic ofloxacin in duckweed (<i>Spirodela polyrhiza</i>) system. <i>Ecotoxicology and Environmental Safety</i> , 2019, 179, 88-95.	2.9	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.	1.1	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.	3.7	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.	1.5	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.	1.8	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.	3.8	47
4611	Enhanced Antioxidant Activity in Mung Bean Seedlings Grown under Slow Clinorotation. <i>Microgravity Science and Technology</i> , 2019, 31, 395-401.	0.7	10
4612	Vermicompost and Manure Compost Reduce Water-Deficit Stress in Pot Marigold (<i>Calendula</i>) Tj ETQq0 0 0 rgBT JOverlock_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.	1.6	15
4614	Fine mapping of a novel yellow-green leaf 14 (ygl14) mutant in rice. <i>Euphytica</i> , 2019, 215, 1.	0.6	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.	0.5	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.	2.8	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.	4.8	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.	1.6	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.	1.5	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.	4.2	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.	1.1	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.	0.9	20
4624	Zinc Excess Induces a Hypoxia-Like Response by Inhibiting Cysteine Oxidases in Poplar Roots. <i>Plant Physiology</i> , 2019, 180, 1614-1628.	2.3	19

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4625	Interrelationship between photosynthetic efficiency, $\delta^{13}C$, antioxidant activity and sugarcane yield under drought stress in field conditions. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 433-446.	1.7	18
4626	RNA-sequencing analysis reveals betalains metabolism in the leaf of <i>Amaranthus tricolor</i> L.. <i>PLoS ONE</i> , 2019, 14, e0216001.	1.1	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.	0.3	1
4628	Evaluation, comparison of different solvent extraction, cell disruption methods and hydrothermal liquefaction of <i>Oedogonium</i> macroalgae for biofuel production. <i>Biotechnology Reports (Amsterdam)</i> , 2019, 11, 1-14.	1.1	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.	2.9	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.	1.1	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.	1.8	6
4632	Subcellular distribution and physiological responses of <i>Potamogeton crispus</i> to yttrium. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	2
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.	1.2	28
4634	Lanthanum chloride improves maize grain yield by promoting photosynthetic characteristics, antioxidants enzymes and endogenous hormone at reproductive stages. <i>Journal of Rare Earths</i> , 2019, 37, 781-790.	2.5	28
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, 1-10.	0.7	7
4636	Bioactive compounds and antioxidant activity of four rose hip species from spontaneous Sicilian flora. <i>Food Chemistry</i> , 2019, 289, 56-64.	4.2	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.	1.2	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.	1.0	15
4640	Shoot $\delta^{13}C$ values as an indicator of cumulative stress: The role of rewatering during drought and salinity stress. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1006-1014.	0.7	0
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.	1.3	7
4642	A newly discovered Cd-hyperaccumulator <i>Lantana camara</i> L.. <i>Journal of Hazardous Materials</i> , 2019, 371, 233-242.	6.5	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.	1.7	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.	1.9	32
4645	Ripening of bananas using <i>Bowdichia virgilioides</i> Kunth leaves. <i>Scientific Reports</i> , 2019, 9, 3548.	1.6	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.	1.6	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.	1.6	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.	0.9	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.	3.8	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.	1.4	59
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4653	Yerba mate extract in active starch films: Mechanical and antioxidant properties. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e13897.	0.9	17
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4781	Suitability of <i>Solanum lycopersicum</i> L. \hat{e} Microtom \hat{e} ™ for growth in Bioregenerative Life Support Systems: exploring the effect of high \hat{e} LET ionising radiation on photosynthesis, leaf structure and fruit traits. <i>Plant Biology</i> , 2019, 21, 615-626.	1.8	39
4782	Foliar uptake of arsenic nanoparticles by spinach: an assessment of physiological and human health risk implications. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20121-20131.	2.7	44
4783	Response of Purslane (<i>Portulaca oleracea</i> L.) to Excess Boron and Salinity: Physiological Approach. <i>Russian Journal of Plant Physiology</i> , 2019, 66, 316-325.	0.5	8
4784	Analysis of Growth and Biochemical Contents of Microalgae Grown with Wastewater Effluent of Emami Paper Mill, Balasore. , 2019, , 153-168.		2
4785	Role of the PB-loop in ApcE and phycobilisome core function in cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 155-166.	0.5	26
4786	Effects of green LED light and three stresses on biomass and lipid accumulation with two-phase culture of microalgae. <i>Process Biochemistry</i> , 2019, 77, 93-99.	1.8	50
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4788	Physiological and biochemical effect of silver on the aquatic plant <i>Lemna gibba</i> L.: Evaluation of commercially available product containing colloidal silver. <i>Aquatic Toxicology</i> , 2019, 207, 52-62.	1.9	15

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4790	Insight into indicators related to the humification and distribution of humic substances in Sphagnum and peat at different depths in the Qi Zimei Mountains. <i>Ecological Indicators</i> , 2019, 98, 430-441.	2.6	6
4791	A coupled role for <i>CsMYB75</i> and <i>CsGSTF1</i> in anthocyanin hyperaccumulation in purple tea. <i>Plant Journal</i> , 2019, 97, 825-840.	2.8	105
4792	Effects of ethylene and 1-MCP on quality maintenance of fresh cut celery. <i>Postharvest Biology and Technology</i> , 2019, 148, 176-183.	2.9	27
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4794	Kaolin and salicylic acid alleviate summer stress in rainfed olive orchards by modulation of distinct physiological and biochemical responses. <i>Scientia Horticulturae</i> , 2019, 246, 201-211.	1.7	35
4795	The effect of switching environmental conditions on content and structure of lipid produced by a wild strain <i>Picochlorum</i> sp.. <i>Renewable Energy</i> , 2019, 134, 406-415.	4.3	12
4796	Magnesium deficiency affects secondary lignification of the vascular system in <i>Citrus sinensis</i> seedlings. <i>Trees - Structure and Function</i> , 2019, 33, 171-182.	0.9	40
4797	Rice Responses and Tolerance to Ultraviolet-B (UV-B) Radiation. , 2019, , 709-724.		2
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4801	Amplification of gibberellins response in tomato modulates calcium metabolism and blossom end rot occurrence. <i>Scientia Horticulturae</i> , 2019, 246, 498-505.	1.7	9
4802	Phytotoxic effects of bulk and nano-sized Ni on <i>Lycium barbarum</i> L. grown in vitro "Oxidative damage and antioxidant response. <i>Chemosphere</i> , 2019, 218, 507-516.	4.2	24
4803	The involvement of cytokinin and nitrogen metabolism in delayed flag leaf senescence in a wheat stay-green mutant, <i>tasg1</i> . <i>Plant Science</i> , 2019, 278, 70-79.	1.7	42
4804	Spatio-temporal remote sensing of vertical and seasonal chlorophyll- <i>a:b</i> ratio in <i>Tamarix ramosissima</i> . <i>International Journal of Remote Sensing</i> , 2019, 40, 3504-3517.	1.3	0
4805	Repression of drought-induced cysteine-protease genes alters barley leaf structure and responses to abiotic and biotic stresses. <i>Journal of Experimental Botany</i> , 2019, 70, 2143-2155.	2.4	26
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4808	Management of chromium (VI) toxicity by calcium and sulfur in tomato and brinjal: Implication of nitric oxide. <i>Journal of Hazardous Materials</i> , 2019, 373, 212-223.	6.5	59
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4812	Energy efficient technology for enhanced growth and lipid production in <i>Chlamydomonas reinhardtii</i> through additional reflector coated LED photo-bioreactor. <i>Biochemical Engineering Journal</i> , 2019, 144, 81-88.	1.8	6
4813	Living with Pigments: The Colour Palette of Antarctic Life. <i>Springer Polar Sciences</i> , 2019, , 65-82.	0.0	12
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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.	1.5	15
4820	Carotenoid accumulation and gene expression in fruit skins of three differently colored persimmon cultivars during fruit growth and ripening. <i>Scientia Horticulturae</i> , 2019, 248, 282-290.	1.7	21
4821	Modification of AlphaLISA Excitation Wavelength Leads to Improved Assay Sensitivity for Photosynthetic Tissue Samples. <i>SLAS Technology</i> , 2019, 24, 429-436.	1.0	2
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4823	Antioxidative defense mechanism against lead-induced phytotoxicity in <i>Fagopyrum kashmirianum</i> . <i>Chemosphere</i> , 2019, 216, 595-604.	4.2	25
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.	1.4	25

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4826	The effect of seed sludge on the selection of a photo-EBPR system. <i>New Biotechnology</i> , 2019, 49, 112-119.	2.4	8
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4828	Organ-specific differences in endogenous phytohormone and antioxidative responses in potato upon PSTVd infection. <i>Journal of Plant Physiology</i> , 2019, 232, 107-114.	1.6	7
4829	Efficient heterotrophic cultivation of <i>Chlamydomonas reinhardtii</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 1545-1554.	1.5	26
4830	An Approach to Improve Leaf Pigment Content Retrieval by Removing Specular Reflectance Through Polarization Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 2173-2186.	2.7	13
4831	<sc>BIG</sc> regulates stomatal immunity and jasmonate production in Arabidopsis. <i>New Phytologist</i> , 2019, 222, 335-348.	3.5	24
4832	Podêwall proteomics provide novel insights into soybean seedêfilling process under chemicalêinduced terminal drought stress. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2481-2493.	1.7	8
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4835	Physiological and anatomical responses of calendula (<i>Calendula officinalis</i> L.) cultivars to heat-stress duration. <i>Journal of Horticultural Science and Biotechnology</i> , 2019, 94, 400-411.	0.9	5
4836	Comparative physiological responses and adaptive strategies of apple <i>Malus halliana</i> to salt, alkali and saline-alkali stress. <i>Scientia Horticulturae</i> , 2019, 245, 154-162.	1.7	63
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4838	Responses of duckweed (<i>Lemna minor</i> L.) to aluminum stress: Physiological and proteomics analyses. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 127-140.	2.9	24
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.	1.7	29
4840	Evaluation of pharmaceutical toxic effects of non-standard endpoints on the macrophyte species <i>Lemna minor</i> and <i>Lemna gibba</i> . <i>Science of the Total Environment</i> , 2019, 657, 926-937.	3.9	58
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4844	Proximal remote sensing of tree physiology at northern treeline: Do late-season changes in the photochemical reflectance index (PRI) respond to climate or photoperiod?. <i>Remote Sensing of Environment</i> , 2019, 221, 340-350.	4.6	22
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4846	Potential production of polyphenols, carotenoids and glycoalkaloids in <i>Solanum villosum</i> Mill. under salt stress. <i>Biologia (Poland)</i> , 2019, 74, 309-324.	0.8	23
4847	Changes in antioxidant enzymes activities and physiological traits of ajowan in response to water stress and hormonal application. <i>Scientia Horticulturae</i> , 2019, 246, 957-964.	1.7	16
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4849	Differentiating plant functional types using reflectance: which traits make the difference?. <i>Remote Sensing in Ecology and Conservation</i> , 2019, 5, 5-19.	2.2	69
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4851	Phytoremediation of nutrient overloaded soil by rice mill wastewater using <i>Amaranthus palmeri</i> and <i>Sorghum vulgare</i> . <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 354-361.	1.3	2
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4855	Linking morphological and ecophysiological leaf traits to canopy dieback in Persian oak trees from central Zagros. <i>Journal of Forestry Research</i> , 2019, 30, 1755-1764.	1.7	10
4856	Biological control of root rot in lettuce caused by <i>Exserohilum rostratum</i> and <i>Fusarium oxysporum</i> via induction of the defense mechanism. <i>Biological Control</i> , 2019, 128, 76-84.	1.4	43
4857	Study of functional and physiological response of co-occurring shrub species to the Mediterranean climate. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1668-1675.	1.8	6
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4859	<i>Stevia (Stevia rebaudiana Bertonii)</i> 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.	1.0	24
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4862	Ethyl methane sulphonate induced changes in cyto-morphological and biochemical aspects of <i>Coriandrum sativum</i> L.. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2019, 18, 469-475.	1.0	10
4863	Enzymatic Activity and Biochemical Composition in Leaves of Green Bean (<i>Phaseolus vulgaris</i> L. cv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	8
4864	Differential temperature effects on dissipation of excess light energy and energy partitioning in lut2 mutant of <i>Arabidopsis thaliana</i> under photoinhibitory conditions. <i>Photosynthesis Research</i> , 2019, 139, 367-385.	1.6	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. <i>Plant Biosystems</i> , 2020, 154, 17-23.	0.8	22
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4871	Phytochemical investigation and phytosynthesis of eco-friendly stable bioactive gold and silver nanoparticles using petal extract of saffron (<i>Crocus sativus</i> L.) and study of their antimicrobial activities. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 2907-2920.	1.6	21
4872	Morphophysiological and Biochemical Responses of <i>Lippia grata</i> Schauer (Verbenaceae) to Water Deficit. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 26-40.	2.8	8
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4874	Evaluating sago palm (<i>Metroxylon sagu</i> Rottb.) photosynthetic performance in waterlogged conditions: utilizing pulse-amplitude-modulated (PAM) fluorometry as a waterlogging stress indicator. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2020, 19, 37-42.	1.0	11
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4876	Transcriptomic analysis of the phytotoxic effects of 1-allyl-3-methylimidazolium chloride on the growth and plant hormone metabolic pathways of maize (<i>Zea mays</i> L.) seedlings. <i>Chemosphere</i> , 2020, 241, 125013.	4.2	11
4877	Effective valorization of microalgal biomass for the production of nutritional fish-feed supplements. <i>Journal of Cleaner Production</i> , 2020, 243, 118697.	4.6	34
4878	Efficacy of <i>Zea mays</i> L. for the management of marble effluent contaminated soil under citric acid amendment; morpho-physiological and biochemical response. <i>Chemosphere</i> , 2020, 240, 124930.	4.2	31

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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.	1.4	29
4881	Changes in the chlorophyll absorbance index (<i>chl</i> _{AD}) are related to peach fruit maturity. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2020, 48, 34-46.	0.7	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.	1.7	19
4883	Transcriptomic insights into the heat stress response of <i>Dunaliella bardawil</i> . <i>Enzyme and Microbial Technology</i> , 2020, 132, 109436.	1.6	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.	1.6	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.	4.2	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.	2.9	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.	1.4	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.	1.7	24
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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.	2.7	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.	1.0	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.	0.8	5
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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.	0.9	25
4898	Copper and zinc distribution and toxicity in 'Jade' / 'Genovesa' young peach tree. <i>Scientia Horticulturae</i> , 2020, 259, 108763.	1.7	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.	1.1	5
4900	Evaluation of the selected sweet potato genotypes tolerance to sweet potato weevil (<i>Cylas</i>) Tj ETQq1 1 0.784314rgBT / Overlock 10	0.9	0
4901	Simultaneous mitigation of cadmium and drought stress in wheat by soil application of iron nanoparticles. <i>Chemosphere</i> , 2020, 238, 124681.	4.2	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.	1.7	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.	2.8	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.	1.7	78
4905	Growth and photosynthetic performance of <i>Chlamydomodium fusiforme</i> cells cultivated in BG11 and Bristol media. <i>Journal of Applied Phycology</i> , 2020, 32, 145-152.	1.5	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.	1.8	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.	1.7	24
4908	Catalase, glutathione, and protein phosphatase 2A-dependent organellar redox signalling regulate aphid fecundity under moderate and high irradiance. <i>Plant, Cell and Environment</i> , 2020, 43, 209-222.	2.8	9
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.	4.2	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.	2.7	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.	4.2	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.	1.8	5
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4916	Lack of FIBRILLIN6 in <i>Arabidopsis thaliana</i> affects light acclimation and sulfate metabolism. <i>New Phytologist</i> , 2020, 225, 1715-1731.	3.5	15
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.	2.9	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.	2.0	10
4919	Effects of ozone on maize (<i>Zea mays</i> L.) photosynthetic physiology, biomass and yield components based on exposure- and flux-response relationships. <i>Environmental Pollution</i> , 2020, 256, 113466.	3.7	23
4920	Electrochemistry as a screening method in determination of carotenoids in crustacean samples used in everyday diet. <i>Food Chemistry</i> , 2020, 309, 125706.	4.2	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.	4.2	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.	0.9	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.	1.7	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.	2.4	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.	1.8	36
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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.	1.5	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.	1.7	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.	2.2	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.	2.4	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.	2.2	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.	2.7	13

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4935	Chitosan nanofertilizer to foster source activity in maize. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 226-234.	3.6	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.	0.7	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.	1.7	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.	3.9	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.	1.4	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.	0.6	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.	3.7	45
4942	Regulation of color transition in purple tea (<i>Camellia sinensis</i>). <i>Planta</i> , 2020, 251, 35.	1.6	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.	2.8	31
4944	Phytochemical analysis of mite-infested tea leaves of Darjeeling Hills, India. <i>Phytochemical Analysis</i> , 2020, 31, 277-286.	1.2	7
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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.	1.7	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.	1.8	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.	1.0	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.	2.2	83
4950	Effect of Light Intensity and Quality on Growth Rate and Composition of <i>Chlorella vulgaris</i> . <i>Plants</i> , 2020, 9, 31.	1.6	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.	2.0	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.	1.8	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.	1.9	39
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4956	Melatonin alleviates lead-induced oxidative damage in safflower (<i>Carthamus tinctorius</i> L.) seedlings. <i>Ecotoxicology</i> , 2020, 29, 108-118.	1.1	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.	2.4	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.	6.5	62
4959	Salt induced modulations in antioxidative defense system of <i>Desmostachya bipinnata</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 147, 113-124.	2.8	22
4960	Biochemical composition as a function of fruit maturity stage of bell pepper (<i>Capsicum annuum</i>) inoculated with <i>Bacillus amyloliquefaciens</i> . <i>Scientia Horticulturae</i> , 2020, 263, 109107.	1.7	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.	2.7	14
4962	Remediation of vanadium contaminated soil by nano-hydroxyapatite. <i>Journal of Soils and Sediments</i> , 2020, 20, 1534-1544.	1.5	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.	4.2	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.	1.9	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.	0.9	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.	1.7	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.	1.7	18
4969	What does the RuBisCO activity tell us about a C ₃ -CAM plant?. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 172-180.	2.8	8

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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.	1.7	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.	2.7	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.	1.7	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.	1.5	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.	2.7	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.	2.2	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.	3.3	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.	1.7	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.	2.9	45
4980	Ionic 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.	2.8	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.	3.8	33
4982	The role of carbonic anhydrase $\hat{\pm}$ -CA4 in the adaptive reactions of photosynthetic apparatus: the study with $\hat{\pm}$ -CA4 knockout plants. <i>Protoplasma</i> , 2020, 257, 489-499.	1.0	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.	1.7	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.	2.7	18
4985	Growth performance of tropical wetland species (<i>Cyperus involucreatus</i> Rottb. and <i>Thalia geniculata</i>) Tj ETQq1 1 0.784314 rgBT /Overbo 143, 105667.	1.6	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.	2.5	32
4987	Melatonin enhances salt stress tolerance in rubber tree (<i>Hevea brasiliensis</i>) seedlings. <i>Industrial Crops and Products</i> , 2020, 145, 111990.	2.5	27

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4989	Small-scale phyco-mitigation of raw urban wastewater integrated with biodiesel production and its utilization for aquaculture. <i>Bioresource Technology</i> , 2020, 297, 122489.	4.8	51
4990	Tolerance to cadmium toxicity and phytoremediation potential of three <i>Brassica rapa</i> CAX1a TILLING mutants. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109961.	2.9	13
4991	Field comparison of ecophysiological traits between an invader and a native species in a Mediterranean coastal dune. <i>Plant Physiology and Biochemistry</i> , 2020, 146, 278-286.	2.8	12
4992	<i>Bradyrhizobium</i> sp. enhance ureide metabolism increasing peanuts yield. <i>Archives of Microbiology</i> , 2020, 202, 645-656.	1.0	9
4993	Oxidation of polyphenols and inhibition of photosystem II under acute photooxidative stress. <i>Planta</i> , 2020, 251, 16.	1.6	4
4994	Simultaneous improvements on nutrient and Mg recoveries of microalgal bioremediation for municipal wastewater and nickel laterite ore wastewater. <i>Bioresource Technology</i> , 2020, 297, 122517.	4.8	54
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4996	Protective Action of <i>Ostreococcus Tauri</i> and <i>Phaeodactylum Tricornutum</i> Extracts towards Benzo[a]Pyrene-Induced Cytotoxicity in Endothelial Cells. <i>Marine Drugs</i> , 2020, 18, 3.	2.2	8
4997	Silencing of Phytopathogen Communication by the Halotolerant PGPR <i>Staphylococcus Equorum</i> Strain EN21. <i>Microorganisms</i> , 2020, 8, 42.	1.6	19
4998	Transcriptional Regulation in Rocket Leaves as Affected by Salinity. <i>Plants</i> , 2020, 9, 20.	1.6	22
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5000	Application of co-composted farm manure and biochar increased the wheat growth and decreased cadmium accumulation in plants under different water regimes. <i>Chemosphere</i> , 2020, 246, 125809.	4.2	65
5001	Species-specific responses to drought, salinity and their interactions in <i>Populus euphratica</i> and <i>P. pruinosa</i> seedlings. <i>Journal of Plant Ecology</i> , 2020, 13, 563-573.	1.2	26
5002	Improved physiological defense responses by application of sodium nitroprusside in <i>Lactuca scariola</i> under cadmium stress. <i>Physiologia Plantarum</i> , 2021, 173, 100-115.	2.6	4
5003	Hydroperoxide lyase modulates defense response and confers lesion-mimic leaf phenotype in soybean (<i>Glycine max</i> (L.) Merr.). <i>Plant Journal</i> , 2020, 104, 1315-1333.	2.8	11
5004	Glutamic Acid-Assisted Phytomanagement of Chromium Contaminated Soil by Sunflower (<i>Helianthus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 1297.	1.7	14
5005	Impact of Proton Beam Irradiation on the Growth and Biochemical Indexes of Barley (<i>Hordeum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1,6	1.6	5

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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.	1.8	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.	1.9	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.	1.5	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.	1.5	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.	2.9	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.	2.8	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.	1.7	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.	3.0	3
5015	Drought-induced <i>AtbZIP62</i> transcription factor regulates drought stress response in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 156, 384-395.	2.8	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.	1.9	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.	1.0	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.	2.9	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.	1.5	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.	1.4	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.	1.8	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.	1.4	9
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5025	[D-Leu1]MC-LR and MC-LR: A Small "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.	1.5	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.	1.5	9
5028	Isolation of freshwater microalgae and outdoor cultivation using cheese whey as substrate. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 29, 101799.	1.5	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.	2.9	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.	1.4	26
5031	The effect of microplastics pollution in microalgal biomass production: A biochemical study. <i>Water Research</i> , 2020, 186, 116370.	5.3	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.	1.2	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.	2.8	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.	0.7	28
5035	Melatonin immersion affects the quality of fresh-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.	0.9	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.	1.6	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.	2.9	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.	2.9	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.	2.0	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.	2.4	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.	2.8	51

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5042	Minimizing Adverse Effects of Pb on Maize Plants by Combined Treatment with Jasmonic, Salicylic Acids and Proline. <i>Agronomy</i> , 2020, 10, 699.	1.3	104
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.	2.2	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.	1.0	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.	2.6	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.	0.5	3
5047	Spermine-priming restrained water relations and biochemical deteriorations prompted by water deficit on two soybean cultivars. <i>Heliyon</i> , 2020, 6, e04038.	1.4	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.	3.6	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.	1.4	37
5050	Drone-Based Fluorescence Lidar Systems for Vegetation and Marine Environment Monitoring. <i>EPI Web of Conferences</i> , 2020, 237, 07013.	0.1	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.	0.8	4
5052	Selenium Enrichment Enhances the Quality and Shelf Life of Basil Leaves. <i>Plants</i> , 2020, 9, 801.	1.6	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.	2.9	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.	1.3	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.	4.2	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.	2.0	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.	1.3	30
5058	Physiological and morphological responses of blueberry to manganese stress in soil. <i>Revista Brasileira De Botanica</i> , 2020, 43, 419-427.	0.5	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.	0.7	39

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5061	Synergistic Effect of <i>Bacillus thuringiensis</i> IAGS 199 and Putrescine on Alleviating Cadmium-Induced Phytotoxicity in <i>Capsicum annum</i> . <i>Plants</i> , 2020, 9, 1512.	1.6	31
5062	Subcellular Localization of GIGANTEA Regulates the Timing of Leaf Senescence and Flowering in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 589707.	1.7	8
5063	Effects of biochar and biofertilizer on cadmium-contaminated cotton growth and the antioxidative defense system. <i>Scientific Reports</i> , 2020, 10, 20112.	1.6	42
5064	Acyl Lipids and Lipophilic and Phenolic Compounds from Rare Plant Species. <i>Chemistry of Natural Compounds</i> , 2020, 56, 990-993.	0.2	0
5065	Antagonistic effects of EDTA against biochemical toxicity induced by Cr(VI) in <i>Hordeum vulgare</i> L. seedlings. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 2487-2502.	1.4	7
5066	Physiological and Biochemical Behaviors of Date Palm Vitroplants Treated with Microbial Consortia and Compost in Response to Salt Stress. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8665.	1.3	27
5067	The Influence of Artificial Lighting Systems on the Cultivation of Algae: The Example of <i>Chlorella vulgaris</i> . <i>Energies</i> , 2020, 13, 5994.	1.6	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. <i>BioMed Research International</i> , 2020, 2020, 1-13.	0.9	7
5069	GraS is critical for chloroplast development and affects yield in rice. <i>Journal of Integrative Agriculture</i> , 2020, 19, 2603-2615.	1.7	4
5070	Lead-induced changes in germination behavior, growth and inhibition of -aminolevulinic acid dehydratase activity in <i>Raphanus sativus</i> L.. <i>African Journal of Plant Science</i> , 2020, 14, 254-261.	0.4	2
5071	Role of rhizospheric microorganisms in mitigating the adverse effect of salinity stress in <i>Plantago ovata</i> growth, biochemical and photosynthetic traits. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1060-1074.	1.3	2
5072	Hormetic doses of UV light decrease the susceptibility of tomato plants to <i>Botrytis cinerea</i> infection. <i>Journal of Phytopathology</i> , 2020, 168, 524-532.	0.5	10
5073	$\delta^{15}\text{N}$ as a cultivar selection tool for differentiating alfalfa varieties under biosaline conditions. <i>Plant and Soil</i> , 2020, 454, 311-326.	1.8	1
5074	Expression of <i>Cocculus hirsutus</i> trypsin inhibitor promotes endogenous defensive response against <i>Helicoverpa armigera</i> and enhanced levels of antioxidants. <i>African Journal of Plant Science</i> , 2020, 14, 65-82.	0.4	6
5075	Identification of carotenoids and chlorophylls from green algae <i>Chlorococcum humicola</i> and extraction by liquefied dimethyl ether. <i>Food and Bioproducts Processing</i> , 2020, 123, 296-303.	1.8	29
5076	Risk assessment of heavy metal(loid)s via <i>Spinacia oleracea</i> ingestion after sewage water irrigation practices in Vehari District. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39841-39851.	2.7	22
5077	Yield-related biochemical response of understory mycorrhizal yellow sweet clover (<i>Melilotus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1603-1620.	1.3	4

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5079	Butanolide alleviated cadmium stress by improving plant growth, photosynthetic parameters and antioxidant defense system of brassica oleracea. <i>Chemosphere</i> , 2020, 261, 127728.	4.2	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.	1.7	21
5081	Modified Method for Extraction of Photosynthetic Plant Pigments for Microcolumn Chromatography. <i>Journal of Chemical Education</i> , 2020, 97, 2362-2365.	1.1	4
5082	Genotypic Variability of Photosynthetic Parameters in Maize Ear-Leaves at Different Cadmium Levels in Soil. <i>Agronomy</i> , 2020, 10, 986.	1.3	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.	1.0	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.	1.6	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.	4.3	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.	2.8	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.	1.4	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.	1.6	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.	1.3	13
5090	MdHAL3, a 4 ϵ -phosphopantothencysteine decarboxylase, is involved in the salt tolerance of autotetraploid apple. <i>Plant Cell Reports</i> , 2020, 39, 1479-1491.	2.8	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.	1.6	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.	1.7	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.	1.7	14
5094	Transcriptomic analysis of Dubas bug (<i>Ommatissus lybicus</i> Bergevin) infestation to Date Palm. <i>Scientific Reports</i> , 2020, 10, 11505.	1.6	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.	1.6	15

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5096	Tissue-Specific Regulation of Plastid Protein Import via Transit-Peptide Motifs. <i>Plant Cell</i> , 2020, 32, 1204-1217.	3.1	28
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.	4.6	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.	1.8	9
5099	Overexpression of CDSP32 (GhTRX134) Cotton Gene Enhances Drought, Salt, and Oxidative Stress Tolerance in Arabidopsis. <i>Plants</i> , 2020, 9, 1388.	1.6	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.	0.7	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.	0.5	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.	1.8	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.	0.3	0
5104	Differential Contribution of P5CS Isoforms to Stress Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 565134.	1.7	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.	1.7	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.	1.8	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.	2.8	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.	0.5	2
5109	The Potential of Spectral Measurements for Identifying Glyphosate Application to Agricultural Fields. <i>Agronomy</i> , 2020, 10, 1409.	1.3	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.	1.4	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.	1.4	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.	0.3	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.	0.3	0

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5114	Beneficial Effects of Silicon (Si) on Sea Barley (<i>Hordeum marinum</i> Huds.) under Salt Stress. <i>Silicon</i> , 2021, 13, 4501-4517.	1.8	15
5115	Polylysine effect on thylakoid membranes. <i>Biophysical Chemistry</i> , 2020, 266, 106440.	1.5	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.	2.8	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.	1.8	3
5118	OsCAF2 contains two CRM domains and is necessary for chloroplast development in rice. <i>BMC Plant Biology</i> , 2020, 20, 381.	1.6	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.	1.8	12
5120	The Effect of Light on Antioxidant Properties and Metabolic Profile of Chia Microgreens. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5731.	1.3	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.	1.7	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.	2.8	13
5124	Changes in Biochemical and Volatile Flavor Compounds of Shine Muscat at Different Ripening Stages. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5661.	1.3	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.	1.8	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.	1.6	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.	0.1	1
5128	Interactive Effects of N Form and P Concentration on Growth and Tissue Composition of Hybrid Napier Grass (<i>Pennisetum purpureum</i> – <i>Pennisetum americanum</i>). <i>Plants</i> , 2020, 9, 1003.	1.6	2
5129	Viral Perturbation of Alternative Splicing of a Host Transcript Benefits Infection. <i>Plant Physiology</i> , 2020, 184, 1514-1531.	2.3	11
5130	Increase in biomass productivity and protein content of <i>Spirulina</i> sp. LEB 18 (<i>Arthrospira</i>) cultivated with crude glycerol. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 597-605.	2.9	8
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.	1.7	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.	2.4	20

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5134	Efficient antioxidant defence systems of spring barley in response to stress induced jointly by the cyst nematode parasitism and cadmium exposure. <i>Plant and Soil</i> , 2020, 456, 189-206.	1.8	7
5135	Influence of light spectra and elicitors on growth and ascaridole content using in vitro cultures of <i>Dysphania ambrosioides</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 143, 277-290.	1.2	15
5136	Physiological and Biochemical Bases of Foliar Silicon-Induced Alleviation of Cadmium Toxicity in Wheat. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2714-2730.	1.7	37
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.	1.6	17
5138	Comparative analysis of maca (<i>Lepidium meyenii</i>) proteome profiles reveals insights into response mechanisms of herbal plants to high-temperature stress. <i>BMC Plant Biology</i> , 2020, 20, 431.	1.6	4
5139	Silver nanoparticles induce genetic, biochemical, and phenotype variation in chrysanthemum. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 143, 331-344.	1.2	28
5140	Photo-Protective Mechanisms and the Role of Poly (ADP-Ribose) Polymerase Activity in a Facultative CAM Plant Exposed to Long-Term Water Deprivation. <i>Plants</i> , 2020, 9, 1192.	1.6	11
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.	1.1	8
5142	<i>Sargassum stenophyllum</i> (Fucales, Ochrophyta) responses to temperature short-term exposure: photosynthesis and chemical composition. <i>Revista Brasileira De Botanica</i> , 2020, 43, 733-745.	0.5	16
5143	Solvent-free chlorophyll spectrometry in unicellular algal research. <i>Journal of Applied Phycology</i> , 2020, 32, 2711-2723.	1.5	7
5144	Effect of auxin and its synthetic analogues on the biomass production and biochemical composition of freshwater microalga <i>Ankistrodesmus falcatus</i> CMSACR1001. <i>Journal of Applied Phycology</i> , 2020, 32, 3787-3797.	1.5	9
5145	Nitroxin and arbuscular mycorrhizal fungi alleviate negative effects of drought stress on <i>Sorghum bicolor</i> yield through improving physiological and biochemical characteristics. <i>Plant Signaling and Behavior</i> , 2020, 15, 1813998.	1.2	14
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.	1.3	15
5147	Environmental impacts on carotenoid metabolism in leaves. <i>Plant Growth Regulation</i> , 2020, 92, 455-477.	1.8	33
5148	Ecotoxicological evaluation of fungicides used in viticulture in non-target organisms. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43958-43969.	2.7	13
5149	Evaluation of Pigments, Phenolic and Volatile Compounds, and Antioxidant Activity of a Spontaneous Population of <i>Portulaca oleracea</i> L. Grown in Tunisia. <i>Agriculture (Switzerland)</i> , 2020, 10, 353.	1.4	11
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.	1.6	18

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5151	Simultaneous accumulation of lipid and carotenoid in freshwater green microalgae <i>Desmodesmus subspicatus</i> LC172266 by nutrient replete strategy under mixotrophic condition. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1522-1529.	1.2	10
5152	Developing a nano-Fe Complex to Supply Iron and Improve Salinity Tolerance of Pistachio under Calcium Bicarbonate Stress. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 1835-1851.	0.6	11
5153	Silicon tackles butachlor toxicity in rice seedlings by regulating anatomical characteristics, ascorbate-glutathione cycle, proline metabolism and levels of nutrients. <i>Scientific Reports</i> , 2020, 10, 14078.	1.6	27
5154	Influence of Low Salt Concentration on Growth Behavior and General Biomass Composition in <i>Lyngbya purpurem</i> (Cyanobacteria). <i>Marine Drugs</i> , 2020, 18, 621.	2.2	5
5155	Isolation of Four Microalgal Strains From the Lake Massaciuccoli: Screening of Common Pollutants Tolerance Pattern and Perspectives for Their Use in Biotechnological Applications. <i>Frontiers in Plant Science</i> , 2020, 11, 607651.	1.7	9
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5157	Mitigation of drought stress in eggplant by date straw and plastic mulches. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2020, 19, 492-498.	1.0	7
5158	Effect of foliar application of selenium on morphological and physiological indices of savory (<i>Satureja hortensis</i>) under cadmium stress. <i>Food Science and Nutrition</i> , 2020, 8, 6539-6549.	1.5	24
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.	0.4	7
5160	Optimization of light intensity on growth rate and total lipid content of <i>Chlorella vulgaris</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 584, 012040.	0.2	3
5161	Dependence of Pepper Fruit Colour on Basic Pigments Ratio and Expression Pattern of Carotenoid and Anthocyanin Biosynthesis Genes. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 1054-1062.	0.5	15
5162	Integrated proteomics, metabolomics and physiological analyses for dissecting the toxic effects of halosulfuron-methyl on soybean seedlings (<i>Glycine max</i> merr.). <i>Plant Physiology and Biochemistry</i> , 2020, 157, 303-315.	2.8	14
5163	Effect of Mild Salinity Stress on the Growth, Fatty Acid and Carotenoid Compositions, and Biological Activities of the Thermal Freshwater Microalgae <i>Scenedesmus</i> sp.. <i>Biomolecules</i> , 2020, 10, 1515.	1.8	23
5164	Influence of passive and active modified atmosphere packaging on yellowing and chlorophyll degrading enzymes activity in fresh-cut rocket leaves. <i>Food Packaging and Shelf Life</i> , 2020, 26, 100569.	3.3	11
5165	Do dietary carotenoids improve the escape-response performance of southern corroboree frog larvae?. <i>Behaviour</i> , 2020, 157, 987-1006.	0.4	0
5166	Physiological and Biochemical Changes in Sugar Beet Seedlings to Confer Stress Adaptability under Drought Condition. <i>Plants</i> , 2020, 9, 1511.	1.6	39
5167	Pigments Production, Growth Kinetics, and Bioenergetic Patterns in <i>Dunaliella tertiolecta</i> (Chlorophyta) in Response to Different Culture Media. <i>Energies</i> , 2020, 13, 5347.	1.6	8
5168	Cucurbita Rootstocks Improve Salt Tolerance of Melon Scions by Inducing Physiological, Biochemical and Nutritional Responses. <i>Horticulturae</i> , 2020, 6, 66.	1.2	16

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5169	Exposure of synthesized Co ₃ O ₄ nanoparticles to <i>Chlorella minutissima</i> : An ecotoxic evaluation in freshwater microalgae. <i>Aquatic Toxicology</i> , 2020, 224, 105498.	1.9	14
5170	Rapid and non-destructive determination of rind biochemical properties of "Marsh" grapefruit using visible to near-infrared spectroscopy and chemometrics. <i>Acta Horticulturae</i> , 2020, , 45-52.	0.1	0
5171	PaACL silencing accelerates flower senescence and changes the proteome to maintain metabolic homeostasis in <i>Petunia hybrida</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 4858-4876.	2.4	11
5172	Red and blue light differentially impact retrograde signalling and photoprotection in rice. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190402.	1.8	10
5173	Chloroplast-to-nucleus retrograde signalling controls intercellular trafficking via plasmodesmata formation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190408.	1.8	31
5174	Growth and photosynthetic acclimation to temperature in hybrid Napier grass (<i>Pennisetum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 103232.	0.8	0
5175	Adverse physiological and molecular level effects of polystyrene microplastics on freshwater microalgae. <i>Chemosphere</i> , 2020, 255, 126914.	4.2	98
5176	Glyphosate-dependent effects on photosynthesis of <i>Solanum lycopersicum</i> L."An ecophysiological, ultrastructural and molecular approach. <i>Journal of Hazardous Materials</i> , 2020, 398, 122871.	6.5	29
5177	Pretreatment of wheat (<i>Triticum aestivum</i> L.) seedlings with 2,4-D improves tolerance to salinity-induced oxidative stress and methylglyoxal toxicity by modulating ion homeostasis, antioxidant defenses, and glyoxalase systems. <i>Plant Physiology and Biochemistry</i> , 2020, 152, 221-231.	2.8	38
5178	Improving Flavonoid Metabolism in Blackberry Leaves and Plant Fitness by Using the Bioeffector <i>Pseudomonas fluorescens</i> N 21.4 and Its Metabolic Elicitors: A Biotechnological Approach for a More Sustainable Crop. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6170-6180.	2.4	17
5179	Biocontrol Potential and Growth Promotion Capability of <i>Bacillus</i> sp. LBF-1 for Management of Wilt Disease of <i>Solanum lycopersicum</i> Caused by <i>Fusarium</i> sp.. <i>Russian Agricultural Sciences</i> , 2020, 46, 139-147.	0.1	6
5180	How mycorrhiza symbiosis help coriander (<i>Coriandrum sativum</i> L.) plants grow better under contaminated soil?. <i>Journal of Plant Nutrition</i> , 2020, 43, 2040-2053.	0.9	10
5181	The Main Structural and Functional Characteristics of Photosystem-II-Enriched Membranes Isolated from Wild Type and <i>cia3</i> Mutant <i>Chlamydomonas reinhardtii</i> . <i>Life</i> , 2020, 10, 63.	1.1	14
5182	Improving Regulation of Enzymatic and Non-Enzymatic Antioxidants and Stress-Related Gene Stimulation in Cucumber mosaic cucumovirus-Infected Cucumber Plants Treated with Glycine Betaine, Chitosan and Combination. <i>Molecules</i> , 2020, 25, 2341.	1.7	70
5183	Citric acid enhanced phytoextraction of nickel (Ni) and alleviate <i>Mentha piperita</i> (L.) from Ni-induced physiological and biochemical damages. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27010-27022.	2.7	27
5184	Comparative physiological mechanisms of arbuscular mycorrhizal fungi in mitigating salt-induced adverse effects on leaves and roots of <i>Zelkova serrata</i> . <i>Mycorrhiza</i> , 2020, 30, 341-355.	1.3	17
5185	<i>Barbarea graminifolia</i> , a resurrection plant with high capacity of water retention. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 267, 151604.	0.6	5
5186	Productivity and heat-stress tolerance in Canadian poplar (<i>Populus</i> – <i>canadensis</i> Moench) clones with different ecological optimum. <i>Biomass and Bioenergy</i> , 2020, 138, 105605.	2.9	1

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5187	Exogenous silicon and salicylic acid applications improve tolerance to boron toxicity in field pea cultivars by intensifying antioxidant defence systems. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110778.	2.9	32
5188	Decreased motility of flagellated microalgae long-term acclimated to CO ₂ -induced acidified waters. <i>Nature Climate Change</i> , 2020, 10, 561-567.	8.1	20
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.	2.0	9
5190	Can salicylic acid modulate biochemical, physiological and population alterations in a macrophyte species under chemical stress by diclofenac?. <i>Science of the Total Environment</i> , 2020, 739, 139715.	3.9	8
5191	Glycosyltransferase-Like RSE1 Negatively Regulates Leaf Senescence Through Salicylic Acid Signaling in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 551.	1.7	9
5192	Accumulation potential and tolerance response of <i>Typha latifolia</i> L. under citric acid assisted phytoextraction of lead and mercury. <i>Chemosphere</i> , 2020, 257, 127247.	4.2	38
5193	Antioxidant responses of barley (<i>Hordeum vulgare</i> L.) genotypes to lead toxicity. <i>Biologia (Poland)</i> , 2020, 75, 1265-1272.	0.8	3
5194	<i>Miscanthus x giganteus</i> culture on soils highly contaminated by metals: Modelling leaf decomposition impact on metal mobility and bioavailability in the soil-plant system. <i>Ecotoxicology and Environmental Safety</i> , 2020, 199, 110654.	2.9	11
5195	Polynomial regressions reveal that levels of chlorophyll a, carotenoids, soluble phenolics and aldehydes modify mathematically sugarcane shoot multiplication rate in temporary immersion bioreactors under salt stress. <i>Biologia (Poland)</i> , 2020, 75, 2025-2030.	0.8	0
5196	Smart Method for Carotenoids Characterization in <i>Haematococcus pluvialis</i> Red Phase and Evaluation of Astaxanthin Thermal Stability. <i>Antioxidants</i> , 2020, 9, 422.	2.2	26
5197	Effect of mycorrhizal inoculation in reducing water stress in sesame (<i>Sesamum indicum</i> L.): The assessment of agrobiological traits and enzymatic antioxidant activity. <i>Agricultural Water Management</i> , 2020, 238, 106234.	2.4	26
5198	Induction of carotenoid cleavage by salt stress and the effect of their products on cell growth and pigment accumulation in <i>Dunaliella</i> sp. FACHB-847. <i>Algal Research</i> , 2020, 48, 101901.	2.4	13
5199	Alleviation of the toxicity of oily wastewater to canola plants by the N ₂ -fixing, aromatic hydrocarbon biodegrading bacterium <i>Stenotrophomonas maltophilia</i> -SR1. <i>Applied Soil Ecology</i> , 2020, 154, 103654.	2.1	30
5200	Microalgae based biorefinery: Assessment of wild fresh water microalgal isolate for simultaneous biodiesel and β-carotene production. <i>Bioresource Technology Reports</i> , 2020, 11, 100440.	1.5	11
5201	PtWRKY75 overexpression reduces stomatal aperture and improves drought tolerance by salicylic acid-induced reactive oxygen species accumulation in poplar. <i>Environmental and Experimental Botany</i> , 2020, 176, 104117.	2.0	48
5202	The spike plays important roles in the drought tolerance as compared to the flag leaf through the phenylpropanoid pathway in wheat. <i>Plant Physiology and Biochemistry</i> , 2020, 152, 100-111.	2.8	30
5203	Protecting tobacco plants from O ₃ injury by <i>Bacillus velezensis</i> with production of acetoin. <i>Physiologia Plantarum</i> , 2020, 170, 158-171.	2.6	9
5204	Enhancement of methyl salicylate accumulation promotes early flowering in transgenic tobacco plants by overexpressing a carboxymethyl transferase (SAMT) gene from <i>Lycium chinense</i> . <i>Molecular Breeding</i> , 2020, 40, 1.	1.0	4

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5205	Morphological, physiological, anatomical and histochemical responses of micropropagated plants of <i>Trichosanthes kirilowii</i> to hydroponic and soil conditions during acclimatization. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 142, 177-186.	1.2	9
5206	Selenate and selenite affect photosynthetic pigments and ROS scavenging through distinct mechanisms in cowpea (<i>Vigna unguiculata</i> (L.) walp) plants. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110777.	2.9	76
5207	A phytoextraction trial strengthened by <i>Streptomyces pactum</i> and plant nutrients: In view of plant bioindicators and phytoextraction indices. <i>Environmental Pollution</i> , 2020, 265, 114867.	3.7	9
5208	Silicon toxicity induced by different concentrations and sources added to in vitro culture of epiphytic orchids. <i>Scientia Horticulturae</i> , 2020, 265, 109272.	1.7	9
5209	Effects of foliar selenium application on some physiological and phytochemical parameters of <i>Vitis vinifera</i> L. cv. Sultana under salt stress. <i>Journal of Plant Nutrition</i> , 2020, 43, 2226-2242.	0.9	30
5210	Postharvest application of gum arabic edible coating delays ripening and maintains quality of persimmon fruits during storage. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14583.	0.9	71
5211	AKR2A interacts with KCS1 to improve VLCFAs contents and chilling tolerance of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020, 103, 1575-1589.	2.8	21
5212	Morphological and physiological responses of <i>Dalbergia odorifera</i> T. Chen seedlings to different culture substances. <i>PLoS ONE</i> , 2020, 15, e0232051.	1.1	4
5213	Assessment of changes in the content of sulforaphane and expression levels of CYP79F1 and myrosinase genes and proteomic profile of <i>Lepidium draba</i> plant under water-deficit stress induced by polyethylene glycol. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	13
5214	Lead toxicity alters the antioxidant defense machinery and modulate the biomarkers in Tartary buckwheat plants. <i>International Biodeterioration and Biodegradation</i> , 2020, 151, 104992.	1.9	31
5215	Overexpression of Trx CDSP32 gene promotes chlorophyll synthesis and photosynthetic electron transfer and alleviates cadmium-induced photoinhibition of PSII and PSI in tobacco leaves. <i>Journal of Hazardous Materials</i> , 2020, 398, 122899.	6.5	58
5216	The N ¹ -Methyladenosine Methylome of <i>Petunia</i> mRNA. <i>Plant Physiology</i> , 2020, 183, 1710-1724.	2.3	31
5217	Maintenance of photosynthetic capacity in flooded tomato plants with reduced ethylene sensitivity. <i>Physiologia Plantarum</i> , 2020, 170, 202-217.	2.6	12
5218	Modulation of chloroplast components and defense responses during programmed cell death in tobacco infected with <i>Pseudomonas syringae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 753-759.	1.0	9
5219	Response of isoprene emission from poplar saplings to ozone pollution and nitrogen deposition depends on leaf position along the vertical canopy profile. <i>Environmental Pollution</i> , 2020, 265, 114909.	3.7	10
5220	Exogenous application of selenium (Se) mitigates NaCl stress in proso and foxtail millets by improving their growth, physiology and biochemical parameters. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	21
5221	Quantification of chlorophyll a, chlorophyll b and pheopigments a in lake sediments through deconvolution of bulk UV-VIS absorption spectra. <i>Journal of Paleolimnology</i> , 2020, 64, 243-256.	0.8	23
5222	Differences in the functioning of photosynthetic electron transport between metalicolous and non-metalicolous populations of the pseudometallophyte <i>Viola tricolor</i> . <i>Journal of Plant Physiology</i> , 2020, 250, 153185.	1.6	3

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5224	Phytoremediation of acetochlor residue by transgenic <i>Arabidopsis</i> expressing the acetochlor N-dealkylase from <i>Sphingomonas wittichii</i> DC-6. <i>Science of the Total Environment</i> , 2020, 728, 138687.	3.9	18
5225	The beneficial effects of growth regulators on forage yield and quality of <i>Amaranthus caudatus</i> under different water stress conditions. <i>African Journal of Range and Forage Science</i> , 2020, 37, 214-225.	0.6	0
5226	<i>Diplotaxis tenuifolia</i> (L.) DC. Yield and Quality as Influenced by Cropping Season, Protein Hydrolysates, and <i>Trichoderma</i> Applications. <i>Plants</i> , 2020, 9, 697.	1.6	25
5227	Effects of exogenous melatonin and glutathione on zinc toxicity in safflower (<i>Carthamus tinctorius</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.9	47
5228	Synergistic ameliorative effect of iron oxide nanoparticles and <i>Bacillus subtilis</i> S4 against arsenic toxicity in <i>Cucurbita moschata</i> : polyamines, antioxidants, and physicochemical studies. <i>International Journal of Phytoremediation</i> , 2020, 22, 1408-1419.	1.7	49
5229	Evaluation of ketoprofen toxicity in two freshwater species: Effects on biochemical, physiological and population endpoints. <i>Environmental Pollution</i> , 2020, 265, 114993.	3.7	33
5230	Physiological and antioxidant insights into common bean resistance to common bacterial blight. <i>Physiological and Molecular Plant Pathology</i> , 2020, 111, 101505.	1.3	7
5231	Impact of Cu concentrations in nutrient solution on growth and physiological and biochemical parameters of beet and cabbage and human health risk assessment. <i>Scientia Horticulturae</i> , 2020, 272, 109558.	1.7	10
5232	<i>Neochloris oleoabundans</i> biorefinery: Integration of cell disruption and purification steps using aqueous biphasic systems-based in surface-active ionic liquids. <i>Chemical Engineering Journal</i> , 2020, 399, 125683.	6.6	13
5233	Long-term response of <i>Dictyota dichotoma</i> var. <i>intricata</i> (C. Agardh) Greville (Phaeophyceae) to ocean acidification: Insights from high pCO ₂ vents. <i>Science of the Total Environment</i> , 2020, 731, 138896.	3.9	13
5234	Impact of warming and reduced precipitation on morphology and chlorophyll concentration in peat mosses (<i>Sphagnum angustifolium</i> and <i>S. fallax</i>). <i>Scientific Reports</i> , 2020, 10, 8592.	1.6	22
5235	Ultraviolet-B induced changes in <i>Mentha aquatica</i> (a medicinal plant) at early and late vegetative growth stages: Investigations at molecular and genetic levels. <i>Industrial Crops and Products</i> , 2020, 154, 112618.	2.5	17
5236	Effects of low and high irradiation levels on growth and PSII efficiency in <i>Lemna minor</i> L.. <i>Acta Botanica Croatica</i> , 2020, 79, 185-192.	0.3	5
5237	Use of biogenic silver nanoparticles in enhancing shelf life of <i>Morus alba</i> L. at post harvest stage. <i>Scientific Reports</i> , 2020, 10, 8923.	1.6	8
5238	Effect of Light Quality on the Biomass Yield, Photosystem 2 Fluorescence, and the Total Essential Oil Content of <i>Ocimum basilicum</i> . <i>Applied Biochemistry and Microbiology</i> , 2020, 56, 336-343.	0.3	1
5239	A Phenotypic Search on Graft Compatibility in Grapevine. <i>Agronomy</i> , 2020, 10, 706.	1.3	23
5240	Improving yield and quality of vegetable grown in PAEs-contaminated soils by using novel bioorganic fertilizer. <i>Science of the Total Environment</i> , 2020, 739, 139883.	3.9	17

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5242	N-Fertilizer (Urea) Enhances the Phytoextraction of Cadmium through <i>Solanum nigrum</i> L.. International Journal of Environmental Research and Public Health, 2020, 17, 3850.	1.2	15
5243	Reduced Graphene Oxide Nanosheet-Decorated Copper Oxide Nanoparticles: A Potent Antifungal Nanocomposite against Fusarium Root Rot and Wilt Diseases of Tomato and Pepper Plants. Nanomaterials, 2020, 10, 1001.	1.9	51
5244	Comparative changes in the physiological traits in the flag leaf of two senescing varieties of wheat (<i>Triticum aestivum</i> L.). Acta Physiologiae Plantarum, 2020, 42, 1.	1.0	2
5245	Effects of water deficit on shoot, root and some physiological characteristics in some greenhouse grown potato cultivars. Journal of Crop Science and Biotechnology, 2020, 23, 433-444.	0.7	2
5246	Mutation of YL Results in a Yellow Leaf with Chloroplast RNA Editing Defect in Soybean. International Journal of Molecular Sciences, 2020, 21, 4275.	1.8	12
5247	Salicylic Acid Stimulates Antioxidant Defense and Osmolyte Metabolism to Alleviate Oxidative Stress in Watermelons under Excess Boron. Plants, 2020, 9, 724.	1.6	77
5248	Differential Growth and Metal Accumulation Response of <i>Brachiaria Mutica</i> and <i>Leptochloa Fusca</i> on Cadmium and Lead Contaminated Soil. Soil and Sediment Contamination, 2020, 29, 844-859.	1.1	14
5249	A Tetratricopeptide Repeat Protein Regulates Carotenoid Biosynthesis and Chromoplast Development in Monkeyflowers (<i>Mimulus</i>). Plant Cell, 2020, 32, 1536-1555.	3.1	39
5250	Photosynthetic Mechanisms of Metaxenia Responsible for Enlargement of <i>Carya cathayensis</i> Fruits at Late Growth Stages. Frontiers in Plant Science, 2020, 11, 84.	1.7	5
5251	Improving Photosynthetic Capacity, Alleviating Photosynthetic Inhibition and Oxidative Stress Under Low Temperature Stress With Exogenous Hydrogen Sulfide in Blueberry Seedlings. Frontiers in Plant Science, 2020, 11, 108.	1.7	60
5252	Impact of Zinc Oxide Nanoparticles on Pomegranate Growth under In Vitro Conditions. Russian Journal of Plant Physiology, 2020, 67, 162-167.	0.5	18
5253	Response of photosynthesis to different concentrations of heavy metals in <i>Davidia involucreta</i> . PLoS ONE, 2020, 15, e0228563.	1.1	77
5254	Comparative Transcriptome Analysis Provides Insights Into Yellow Rind Formation and Preliminary Mapping of the <i>Clyr</i> (Yellow Rind) Gene in Watermelon. Frontiers in Plant Science, 2020, 11, 192.	1.7	14
5255	Can Ceylon Leadwort (<i>Plumbago zeylanica</i> L.) Acclimate to Lead Toxicity? Studies of Photosynthetic Apparatus Efficiency. International Journal of Molecular Sciences, 2020, 21, 1866.	1.8	18
5256	Foliar Pre-Treatment with Abscisic Acid Enhances Olive Tree Drought Adaptability. Plants, 2020, 9, 341.	1.6	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.	1.8	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.	1.5	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.	1.0	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.	0.9	6
5262	Effects of shade stress on turfgrasses morphophysiology and rhizosphere soil bacterial communities. <i>BMC Plant Biology</i> , 2020, 20, 92.	1.6	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.	1.0	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.	1.7	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.	4.2	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.	0.5	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.	0.6	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.	2.4	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.	1.5	12
5270	Genome-Wide Association Mapping for Heat Stress Responsive Traits in Field Pea. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2043.	1.8	47
5271	Yield, Essential Oil and Quality Performances of <i>Artemisia dracunculus</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.	1.6	37
5272	Citric Acid Assisted Phytoremediation of Chromium through Sunflower Plants Irrigated with Tannery Wastewater. <i>Plants</i> , 2020, 9, 380.	1.6	20
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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.	1.5	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.	3.9	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.	1.4	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.	1.7	9
5280	Biomass and Lipid Production Potential of an Indian Marine Algal Isolate <i>Tetraselmis striata</i> BBRR1. <i>Energies</i> , 2020, 13, 341.	1.6	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.	1.6	105
5282	Antioxidative responses to short-term salinity stress induce drought tolerance in walnut. <i>Scientia Horticulturae</i> , 2020, 267, 109322.	1.7	19
5283	Oxidative Stress, Nutritional Disorders, and Gas Exchange in Lettuce Plants Subjected to Two Selenium Sources. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1215-1228.	1.7	15
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.	1.6	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.	1.5	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.	2.9	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.	2.8	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.	1.7	14
5289	Photobleaching of Chlorophyll in Light-Harvesting Complex II Increases in Lipid Environment. <i>Frontiers in Plant Science</i> , 2020, 11, 849.	1.7	21
5290	Natural dyes in hybrid chalcogenide multi-layer thin films. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	0
5291	What is the Difference between the Response of Grass Pea (<i>Lathyrus sativus</i> L.) to Salinity and Drought Stress?â€™A Physiological Study. <i>Agronomy</i> , 2020, 10, 833.	1.3	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.	1.3	22
5293	Comparative Studies on Different Citrus Cultivars: A Revaluation of Waste Mandarin Components. <i>Antioxidants</i> , 2020, 9, 517.	2.2	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.	1.7	29

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5295	Effects of ethylenediurea (EDU) on regulatory proteins in two maize (<i>Zea mays</i> L.) varieties under high tropospheric ozone phytotoxicity. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 675-688.	2.8	25
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.	2.4	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.	1.7	34
5298	Increased ratio of galactolipid MGDG:DGDG induces jasmonic acid overproduction and changes chloroplast shape. <i>New Phytologist</i> , 2020, 228, 1327-1335.	3.5	30
5299	Electron-Vibrational Spectra and Dynamics of the Lutein Molecule. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5780-5787.	1.2	2
5300	Effects of rodent-induced disturbance on eco-physiological traits of <i>Haloxyylon ammodendron</i> in the Gurbantunggut Desert, Xinjiang, China. <i>Journal of Arid Land</i> , 2020, 12, 508-521.	0.9	5
5301	The change of accumulation of heavy metal drive interspecific facilitation under copper and cold stress. <i>Aquatic Toxicology</i> , 2020, 225, 105550.	1.9	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.	1.3	13
5303	Removal of ofloxacin with biofuel production by oleaginous microalgae <i>Scenedesmus obliquus</i> . <i>Bioresource Technology</i> , 2020, 315, 123738.	4.8	48
5304	Intensive silvicultural practices drive the forest restoration in southern Brazil. <i>Forest Ecology and Management</i> , 2020, 473, 118325.	1.4	5
5305	Efficient extraction of hydrophilic and lipophilic antioxidants from microalgae with supramolecular solvents. <i>Separation and Purification Technology</i> , 2020, 251, 117327.	3.9	37
5306	LED lights increase an antioxidant capacity of <i>Arabidopsis thaliana</i> under wound-induced stresses. <i>Functional Plant Biology</i> , 2020, 47, 853.	1.1	7
5307	Effects of ABA and NaCl on physiological responses in selected bryophyte species. <i>Botany</i> , 2020, 98, 639-650.	0.5	8
5308	The cadmium tolerance development of poplar callus is influenced by silicon. <i>Ecotoxicology</i> , 2020, 29, 987-1002.	1.1	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.	1.5	7
5310	Effects of cadmium on two wheat cultivars depending on different nitrogen supply. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 789-799.	2.8	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.	3.9	27
5312	Study on the effects of polymer modifiers and phloem girdling on cotton in cadmium-contaminated soil in Xinjiang Province, China. <i>Scientific Reports</i> , 2020, 10, 6356.	1.6	2

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5313	Multistep Fractionation of Microalgal Biomolecules Using Selective Aqueous Two-Phase Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2441-2452.	3.2	36
5314	Management of Plant Physiology with Beneficial Bacteria to Improve Leaf Bioactive Profiles and Plant Adaptation under Saline Stress in <i>Olea europea L.</i> <i>Foods</i> , 2020, 9, 57.	1.9	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.	0.9	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.	1.2	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.	1.1	29
5318	Morphophysiological responses of tomato phytochrome mutants under sun and shade conditions. <i>Revista Brasileira De Botanica</i> , 2020, 43, 45-54.	0.5	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.	3.0	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.	2.3	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.	1.7	23
5322	Portable Microalgal Biosensor for Herbicide Monitoring. <i>ChemElectroChem</i> , 2020, 7, 1623-1630.	1.7	16
5323	Bagging cv. Fuji, Raku Raku Apple Fruit Affects Their Phenolic Profile and Antioxidant Capacity. <i>Erwerbs-Obstbau</i> , 2020, 62, 221-229.	0.5	7
5324	A xylan glucuronosyltransferase gene exhibits pleiotropic effects on cellular composition and leaf development in rice. <i>Scientific Reports</i> , 2020, 10, 3726.	1.6	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.	1.0	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.	3.9	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.	2.7	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.	1.4	36
5329	Expression levels of the Na ⁺ /K ⁺ transporter <i>OshKT2;1</i> and vacuolar Na ⁺ /H ⁺ exchanger <i>OsNHX1</i> , 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.	1.4	14
5330	Exogenous methylglyoxal enhances the reactive aldehyde detoxification capability and frost-hardiness of wheat. <i>Plant Physiology and Biochemistry</i> , 2020, 149, 75-85.	2.8	21

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5331	Impacts of foliar exposure to multi-walled carbon nanotubes on physiological and molecular traits of <i>Salvia verticillata</i> L., as a medicinal plant. <i>Plant Physiology and Biochemistry</i> , 2020, 150, 27-38.	2.8	55
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.	1.6	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.	1.5	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.	2.7	8
5335	Strategies for severe drought survival and recovery in a Pyrenean relict species. <i>Physiologia Plantarum</i> , 2020, 169, 276-290.	2.6	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.	1.7	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.	1.8	11
5338	Characterization of the CRM Gene Family and Elucidating the Function of <i>OsCFM2</i> in Rice. <i>Biomolecules</i> , 2020, 10, 327.	1.8	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.	2.9	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.	0.5	3
5341	Physiological changes of <i>Mentha pulegium</i> in response to exogenous salicylic acid under salinity. <i>Scientia Horticulturae</i> , 2020, 267, 109325.	1.7	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.	2.7	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.	1.6	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.	1.7	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.	1.7	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.	0.9	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.	4.2	76
5348	Assessment of ZnO-NPs toxicity in maize: An integrative microRNAomic approach. <i>Chemosphere</i> , 2020, 249, 126197.	4.2	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	4.3	11
5350	Overexpression of Rice Expansin7 (Osexpa7) Confers Enhanced Tolerance to Salt Stress in Rice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 454.	1.8	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.. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11697-11713.	2.7	17
5352	Improve wheat (<i>Triticum aestivum</i>) performance by brassinolide application under different irrigation regimes. <i>South African Journal of Botany</i> , 2020, 130, 259-267.	1.2	19
5353	Ecotype-Specific Pathways of Reactive Oxygen Species Deactivation in Facultative Metallophyte <i>Silene vulgaris</i> (Moench) Garcke Treated with Heavy Metals. <i>Antioxidants</i> , 2020, 9, 102.	2.2	14
5354	24-Epibrassinolide alleviates the toxic effects of NaCl on photosynthetic processes in potato plants. <i>Photosynthesis Research</i> , 2020, 146, 151-163.	1.6	42
5355	Statistical biophysical parameter retrieval and emulation with Gaussian processes. <i>Data Handling in Science and Technology</i> , 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. <i>Science of the Total Environment</i> , 2020, 716, 136758.	3.9	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. <i>Food Chemistry</i> , 2020, 315, 126274.	4.2	39
5358	Effect of biochar on yield and quality of tomato grown on a metal-contaminated soil. <i>Scientia Horticulturae</i> , 2020, 265, 109210.	1.7	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. <i>Antioxidants</i> , 2020, 9, 43.	2.2	97
5360	Effects of leaf age on chlorophyll fluorescence and antioxidant enzymes activity in winter rapeseed leaves under cold acclimation conditions. <i>Revista Brasileira De Botanica</i> , 2020, 43, 11-20.	0.5	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. <i>Environmental Sustainability</i> , 2020, 3, 23-34.	1.4	123
5362	Subtly Manipulated Expression of ZmmiR156 in Tobacco Improves Drought and Salt Tolerance Without Changing the Architecture of Transgenic Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 1664.	1.7	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. <i>Forests</i> , 2020, 11, 91.	0.9	5
5364	Distribution, trade-offs and drought vulnerability of a high-mountain Pyrenean endemic plant species, <i>Saxifraga longifolia</i> . <i>Global Ecology and Conservation</i> , 2020, 22, e00916.	1.0	5
5365	Ecotoxicological study of six drugs in <i>Aliivibrio fischeri</i> , <i>Daphnia magna</i> and <i>Raphidocelis subcapitata</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 9891-9900.	2.7	17
5366	Mozafati date as a potential treasure of calcium and antioxidant compounds: assessment of these phytochemicals during development. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 1273-1285.	1.6	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.	1.1	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.	1.1	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.	2.9	19
5370	Foliar versus root exposure of AgNPs to lettuce: Phytotoxicity, antioxidant responses and internal translocation. <i>Environmental Pollution</i> , 2020, 261, 114117.	3.7	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.	1.2	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.	3.9	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.	4.7	50
5374	Transcriptome analysis to identify candidate genes associated with the yellow-leaf phenotype of a <i>Cymbidium</i> mutant generated by ^{137}Cs -irradiation. <i>PLoS ONE</i> , 2020, 15, e0228078.	1.1	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.	1.7	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.	0.6	3
5377	Mineral nutrients, photosynthetic pigments and storage carbohydrates in turions of 21 aquatic plant species. <i>Aquatic Botany</i> , 2020, 165, 103238.	0.8	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.	1.3	104
5379	Role of cyclic electron transport mutations <i>pgr1</i> and <i>pgr5</i> in acclimation process to high light in <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 2020, 146, 247-258.	1.6	17
5380	Exogenous salicylic acid alleviates halosulfuron-methyl toxicity by coordinating the antioxidant system and improving photosynthesis in soybean (<i>Glycine max</i> Merr.). <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	11
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.	2.5	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.	1.8	4
5383	Photosynthetic performance of five cool-season turfgrasses under UV-B exposure. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 181-187.	2.8	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.	1.7	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.	4.6	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.	0.9	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.	1.9	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.	2.0	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.	1.7	106
5390	Senescence-related translocation of nonstructural carbohydrate in rice leaf sheaths under different nitrogen supply. <i>Agronomy Journal</i> , 2020, 112, 1601-1616.	0.9	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.	1.5	34
5392	Influence of Fe^{2+} - and Fe^{3+} - Fe_2O_3 Nanoparticles on Watermelon (<i>Citrullus lanatus</i>) Physiology and Fruit Quality. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	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.	2.7	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.	1.0	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.	3.7	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.	1.2	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.	2.8	25
5398	Comparative quantification of chlorophyll and polyphenol levels in grapevine leaves sampled from different geographical locations. <i>Scientific Reports</i> , 2020, 10, 6246.	1.6	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.	2.0	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.	1.7	18
5401	A Theophylline-Responsive Riboswitch Regulates Expression of Nuclear-Encoded Genes. <i>Plant Physiology</i> , 2020, 182, 123-135.	2.3	18
5402	Plausible association between drought stress tolerance of barley (<i>Hordeum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6 genes. <i>Physiologia Plantarum</i> , 2020, 170, 46-59.	2.6	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.	1.6	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.	1.6	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.	1.8	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.	1.6	45
5407	Dark/Light Treatments Followed by β -Irradiation Increase the Frequency of Leaf-Color Mutants in <i>Cymbidium</i> . <i>Plants</i> , 2020, 9, 532.	1.6	6
5408	Abscisic 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.	1.6	58
5409	Mechanisms of cadmium-stress avoidance by selenium in tomato plants. <i>Ecotoxicology</i> , 2020, 29, 594-606.	1.1	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.	2.7	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.	6.5	38
5412	Intraspecific variations in cadmium tolerance and phytoaccumulation in giant duckweed (<i>Spirodela</i>) Tj ETQq1 1 0.784314 rgBT /Overl 6.5 24	6.5	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.	1.6	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.	0.3	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.	1.1	11
5416	Heterologous expression of an <i>Agropyron cristatum</i> SnRK2 protein kinase gene (<i>AcSnRK2.11</i>) increases freezing tolerance in transgenic yeast and tobacco. <i>3 Biotech</i> , 2020, 10, 209.	1.1	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.	0.5	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.	1.2	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.	1.7	22
5420	Low temperature and high light dependent dynamic photoprotective strategies in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2020, 170, 93-108.	2.6	20

#	ARTICLE	IF	CITATIONS
5421	Foliar Application of Calcium and Growth Regulators Modulate Sweet Cherry (<i>Prunus avium</i> L.) Tree Performance. <i>Plants</i> , 2020, 9, 410.	1.6	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.	0.6	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.	2.7	21
5424	Proteomic changes may lead to yield alteration in maize under carbon dioxide enriched condition. <i>3 Biotech</i> , 2020, 10, 203.	1.1	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.	0.7	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.	1.7	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.	4.2	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.	0.1	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.	1.2	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.	1.6	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.	1.7	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.	1.6	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.	2.8	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.	1.7	9
5435	Deep chemometrics for nondestructive photosynthetic pigments prediction using leaf reflectance spectra. <i>Information Processing in Agriculture</i> , 2021, 8, 194-204.	2.9	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.	1.5	5
5437	Citrus Leafminer Management: Jasmonic Acid versus Efficient Pesticides. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 824-830.	2.8	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.	1.4	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.	1.8	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.	2.7	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.	0.8	0
5442	Combined toxicity of therapeutic pharmaceuticals to duckweed, <i>Lemna minor</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111428.	2.9	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.	1.6	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.	1.7	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.	1.4	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.	1.8	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.	1.7	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.	0.6	1
5449	Experimental warming alleviates the adverse effects from tropospheric ozone on two urban tree species. <i>Environmental Pollution</i> , 2021, 268, 115289.	3.7	6
5450	A chemical valorisation of melon peels towards functional food ingredients: Bioactives profile and antioxidant properties. <i>Food Chemistry</i> , 2021, 335, 127579.	4.2	43
5451	Functional characterization of the <i>Arabidopsis</i> SERRATE under salt stress. <i>Plant Diversity</i> , 2021, 43, 71-77.	1.8	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.	1.4	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.	2.9	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.	4.4	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.	2.7	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.	2.0	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.	1.7	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.	1.7	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.	2.7	5
5460	Effect of Different Foliar Silicon Sources on Cotton Plants. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 95-103.	1.7	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.	1.7	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.	1.7	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.	2.7	51
5464	The Physiological and Biochemical Effects on Napier Grass Plants Following Napier Grass Stunt Phytoplasma Infection. <i>Phytopathology</i> , 2021, 111, 703-712.	1.1	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.	0.3	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.	3.7	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.	1.3	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.	2.6	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.	1.8	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.	1.7	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.	4.2	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.	1.7	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.	1.1	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.	2.0	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.	2.5	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.	2.8	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.	1.6	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.	1.1	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.	3.7	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.	2.8	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.	1.6	10
5482	AtWRKY75 positively regulates age-triggered leaf senescence through gibberellin pathway. <i>Plant Diversity</i> , 2021, 43, 331-340.	1.8	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.	2.9	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.	2.8	14
5485	Ecophysiological study of some coastal dune species of Zemmouri El Bahri (Algeria). <i>Acta Botanica Croatica</i> , 2021, 80, 99-105.	0.3	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.	1.7	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.	1.7	11
5488	Perennial ryegrass phytotoxicity increases with mesotrione rate and growth-promoting environmental conditions. <i>Crop Science</i> , 2021, 61, 3155.	0.8	2
5489	Impact of O ₃ on the phytoremediation effect of <i>Celosia argentea</i> in decontaminating Cd. <i>Chemosphere</i> , 2021, 266, 128940.	4.2	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.	3.8	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.	2.6	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.	0.9	3

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5493	Metabolic profile of olive leaves of different cultivars and collection times. <i>Food Chemistry</i> , 2021, 345, 128758.	4.2	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. <i>Environmental Science and Pollution Research</i> , 2021, 28, 15923-15933.	2.7	5
5495	Split-root investigation of the physiological response to heterogeneous elevated Zn exposure in poplar and willow. <i>Environmental and Experimental Botany</i> , 2021, 183, 104347.	2.0	9
5496	Identification and fine mapping of a candidate gene for oil yellow leaf 2 conferring yellow leaf phenotype in maize. <i>Plant Breeding</i> , 2021, 140, 100-109.	1.0	4
5497	Amelioration of salt stress tolerance in rapeseed (<i>Brassica napus</i>) cultivars by seed inoculation with <i>Arthrobacter globiformis</i> . <i>Plant Biosystems</i> , 2021, , 1-14.	0.8	14
5498	Uvaia (<i>Eugenia pyriformis</i> Cambess) residue as a source of antioxidants: An approach to ecofriendly extraction. <i>LWT - Food Science and Technology</i> , 2021, 138, 110785.	2.5	10
5499	Colorimetric detection of mercury ion using chlorophyll functionalized green silver nanoparticles in aqueous medium. <i>Surfaces and Interfaces</i> , 2021, 22, 100840.	1.5	28
5500	Toxicological effects of single and joint sulfamethazine and cadmium stress in soil on pakchoi (<i>Brassica chinensis</i> L.). <i>Chemosphere</i> , 2021, 263, 128296.	4.2	22
5501	The ankyrin repeat-containing protein MdANK2B regulates salt tolerance and ABA sensitivity in <i>Malus domestica</i> . <i>Plant Cell Reports</i> , 2021, 40, 405-419.	2.8	8
5502	Inflection point position as a potential diagnostic tool for the estimation of sulfur concentration in <i>Eucalyptus</i> seedlings. <i>Journal of Plant Nutrition</i> , 2021, 44, 742-754.	0.9	0
5503	Influence of synthetic phthalocyanine pigments on light reflectance of creeping bentgrass. <i>Crop Science</i> , 2021, 61, 804-813.	0.8	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 salsaugineum</i> . <i>Journal of Biotechnology</i> , 2021, 325, 35-42.	1.9	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. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111495.	2.9	25
5506	Pb tolerance and accumulation capabilities of <i>Bidens pilosa</i> L. growing in polluted soils depend on the history of exposure. <i>Chemosphere</i> , 2021, 269, 128732.	4.2	11
5507	Mitigation of arsenate toxicity by indole-3-acetic acid in brinjal roots: Plausible association with endogenous hydrogen peroxide. <i>Journal of Hazardous Materials</i> , 2021, 405, 124336.	6.5	31
5508	Sediment resuspension drives protist metacommunity structure and assembly in grass carp (<i>Ctenopharyngodon idella</i>) aquaculture ponds. <i>Science of the Total Environment</i> , 2021, 764, 142840.	3.9	19
5509	Iodine biofortification of sweet basil and lettuce grown in two hydroponic systems. <i>Scientia Horticulturae</i> , 2021, 276, 109783.	1.7	37
5510	Kaolin foliar spray improves olive tree performance and yield under sustained deficit irrigation. <i>Scientia Horticulturae</i> , 2021, 277, 109795.	1.7	6

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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.	0.8	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.	4.2	20
5514	N ⁴ -methylcytidine ribosomal RNA methylation in chloroplasts is crucial for chloroplast function, development, and abscisic acid response in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 570-582.	4.1	13
5515	Calcium signaling confers nickel tolerance in <i>Cucurbita pepo</i> L.. <i>International Journal of Phytoremediation</i> , 2021, 23, 362-373.	1.7	17
5516	Morpho-physiological traits associated with drought responses in soybean. <i>Crop Science</i> , 2021, 61, 672-688.	0.8	11
5517	Abscisic acid in preservation of <i>Taraxacum pienenicum</i> in the form of synthetic seeds in slow growth conditions. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 295-312.	1.2	8
5518	Paddy-soaked rice mill wastewater treatment by phycoremediation and feasibility study on use of algal biomass as biofertilizer. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 394-403.	1.6	18
5519	Blue and UV-A light wavelengths positively affected accumulation profiles of healthy compounds in pak-choi. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1676-1684.	1.7	31
5520	Expression of <i>BoNOL</i> and <i>BoHCAR</i> genes during postharvest senescence of broccoli heads. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1629-1635.	1.7	3
5521	Growth Regulation and Validation of Homogeneity in In Vitro-Derived Bleeding Heart by Molecular Markers and Spectral Analysis of Pigments. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1521-1538.	2.8	7
5522	Effect of Exogenous Spermidine on Osmotic Adjustment, Antioxidant Enzymes Activity, and Gene Expression of <i>Gladiolus gandavensis</i> Seedlings Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1353-1367.	2.8	22
5523	Postharvest quality of fresh murici fruits as a function of storage and packing. <i>Pesquisa Agropecuaria Tropical</i> , 0, 51, .	1.0	1
5524	Assessment of lead tolerance on <i>Glycine max</i> (L.) Merr. at early growth stages. <i>Environmental Science and Pollution Research</i> , 2021, 28, 22843-22852.	2.7	3
5525	Tolerance in Maize Landraces to <i>Diabrotica speciosa</i> (Coleoptera: Chrysomelidae) Larvae and Its Relationship to Plant Pigments, Compatible Osmolytes, and Vigor. <i>Journal of Economic Entomology</i> , 2021, 114, 377-386.	0.8	3
5526	Identification and Characterization of Wheat Germplasm for Salt Tolerance. <i>Plants</i> , 2021, 10, 268.	1.6	11
5527	Composition and content of antioxidants in nodules and leaves of stachis (<i>Stachys sieboldii</i> Mig) of Bochonok and Rakushka varieties. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 624, 012154.	0.2	0
5528	Does Biochar Alleviate Salt Stress Impact on Growth of Salt-Sensitive Crop Common Bean. <i>Communications in Soil Science and Plant Analysis</i> , 2021, 52, 456-469.	0.6	10

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5529	Biostimulant-induced drought tolerance in grapevine is associated with physiological and biochemical changes. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	1.9	35
5530	Norway spruce ecotypes distinguished by chlorophyll a fluorescence kinetics. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	8
5531	Optical Sensing of Chlorophyll(in) With Dual-Spectrum Si LEDs in SOI-CMOS Technology. <i>IEEE Sensors Journal</i> , 2022, 22, 11280-11289.	2.4	3
5532	Ascophyllum nodosum Biostimulant Improves the Growth of Zea mays Grown Under Phosphorus Impoverished Conditions. <i>Frontiers in Plant Science</i> , 2020, 11, 601843.	1.7	14
5533	Altering light“dark cycle at pre-harvest stage regulated growth, nutritional quality, and photosynthetic pigment content of hydroponic lettuce. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	5
5534	Physiological adjustments, fiber yield and quality of colored cotton BRS TopÁ¿zio cultivar under leaf silicon spraying. <i>Ciencia E Agrotecnologia</i> , 0, 45, .	1.5	1
5535	Dynamic Retrieval of Olive Tree Properties Using Bayesian Model and Sentinel-2 Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 9267-9286.	2.3	10
5536	Effect of Postharvest Methyl Jasmonate Treatment on Early-Matured “Hass” Avocado Fruit Exocarp Colour Development during Ripening. <i>Agricultural Sciences</i> , 2021, 12, 875-887.	0.2	1
5537	Development of a colorless <i>Centella asiatica</i> (L.) Urb. extract using a natural deep eutectic solvent (NADES) and microwave-assisted extraction (MAE) optimized by response surface methodology. <i>RSC Advances</i> , 2021, 11, 8741-8750.	1.7	13
5538	Zinc oxide nanocatalyst mediates cadmium and lead toxicity tolerance mechanism by differential regulation of photosynthetic machinery and antioxidant enzymes level in cotton seedlings. <i>Toxicology Reports</i> , 2021, 8, 295-302.	1.6	43
5539	Valorization of fruit and vegetable waste for bioactive pigments: extraction and utilization. , 2021, , 61-81.		4
5540	An improved grid search algorithm to optimize SVR for prediction. <i>Soft Computing</i> , 2021, 25, 5633-5644.	2.1	62
5541	Stem Photosynthesis“ A Key Element of Grass Pea (<i>Lathyrus sativus</i> L.) Acclimatisation to Salinity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 685.	1.8	23
5542	Silicon alleviates the negative effects of arsenic in poplar callus in relation to its nutrient concentrations. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 275-289.	1.2	6
5543	Effective reversal of hyperhydricity leading to efficient micropropagation of <i>Dianthus chinensis</i> L. 3 <i>Biotech</i> , 2021, 11, 95.	1.1	6
5544	Polysaccharide Elicitor from the Endophyte <i>Bionectria</i> sp. Fat6 Improves Growth of Tartary Buckwheat under Drought Stress. <i>Phyton</i> , 2021, 90, 461-473.	0.4	1
5545	Polyamines, metallothioneins, and phytochelatin“ Natural defense of plants to mitigate heavy metals. <i>Studies in Natural Products Chemistry</i> , 2021, , 227-261.	0.8	65
5546	Evaluation of Proline-Ascorbate Mixture (PAM) in Alleviation of NaCl Induced Stress in <i>Vigna radiata</i> (L.) Wilczek. <i>Russian Agricultural Sciences</i> , 2021, 47, 21-31.	0.1	0

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5549	Assessing Leaf Biomass of <i>Agave sisalana</i> Using Sentinel-2 Vegetation Indices. <i>Remote Sensing</i> , 2021, 13, 233.	1.8	8
5550	Efficient synthesis and characterization of non-toxic glyphosate derivatives as eco-friendly herbicides. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100100.	2.9	5
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5554	Prior fertilization enables higher survival of relocated terricolous orchids?. <i>Rodriguesia</i> , 0, 72, .	0.9	0
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5556	CO ₂ Bio-sequestration Studies on Microalgae—An Approach Through Sustainable Biofuel Production. <i>Green Energy and Technology</i> , 2021, , 275-286.	0.4	0
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5558	Meta-topolin Promotes Improved Micropropagation, Photosynthetic Performances, Biomass and Proline Levels of an India Ipecac (<i>Tylophora indica</i> Burm f.), 2021, , 169-186.		0
5559	Two plastidic glycolate/glycerate translocator 1 isoforms function together to transport photorespiratory glycolate and glycerate in rice chloroplasts. <i>Journal of Experimental Botany</i> , 2021, 72, 2584-2599.	2.4	9
5560	Lead uptake and translocation pathways in soybean seedlings: the role of ion competition and transpiration rates. <i>Environmental Science and Pollution Research</i> , 2021, 28, 20624-20636.	2.7	9
5561	Assessing the processability of Russian varieties and hybrids of root crops. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 624, 012156.	0.2	0
5562	Iron and zinc supplies mitigate cadmium toxicity in micropropagated banana (<i>Musa</i> spp.). <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 367-377.	1.2	10
5563	Pineapple fruits from transgenic plants have limited differences on mesocarp biochemical component contents. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	2
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5566	Effect of NaCl, copper and cadmium ions on halophytes with different types of salt resistance: accumulation, physiological and biochemical reactions. <i>Functional Plant Biology</i> , 2021, 48, 1053.	1.1	1
5567	In vitro morpho-physiological performance and DNA stability of banana under cadmium and drought stresses. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2021, 57, 460-469.	0.9	9
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5571	Coexistence of rice production and threatened plant species: testing <i>Marsilea quadrifolia</i> L. in N-Italy. <i>Paddy and Water Environment</i> , 2021, 19, 395.	1.0	6
5572	Expression of Flavodiiron Proteins Flv2-Flv4 in Chloroplasts of Arabidopsis and Tobacco Plants Provides Multiple Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1178.	1.8	10
5573	Effect of Lead and Copper on Photosynthetic Apparatus in Citrus (<i>Citrus aurantium</i> L.) Plants. The Role of Antioxidants in Oxidative Damage as a Response to Heavy Metal Stress. <i>Plants</i> , 2021, 10, 155.	1.6	116
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5578	Physiological features and thylakoid membrane proteomic analysis of rice NG46 during natural leaf senescence. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	0
5579	Ameliorating effects of exogenous paclobutrazol and putrescine on mung bean [<i>Vigna radiata</i> (L.) Wilczek] under water deficit stress. <i>Plant, Soil and Environment</i> , 2021, 67, 40-45.	1.0	9
5580	Physiological and proteomics insights into salt tolerance of two Jerusalem artichoke cultivars. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2021, 30, 613.	0.9	0
5581	Elevated [CO ₂] benefits coffee growth and photosynthetic performance regardless of light availability. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 524-535.	2.8	16
5582	Total Phenolic Compounds, Carotenoids and <i>In Vitro</i> Antioxidant Activity of Three Traditional Indigenous Medicinal Plants of Saskatchewan, Canada. <i>American Journal of Plant Sciences</i> , 2021, 12, 1197-1209.	0.3	3

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5584	Effects of elevated ozone and nitrogen addition on leaf nitrogen metabolism in poplar. <i>Journal of Plant Ecology</i> , 2021, 14, 555-568.	1.2	3
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5587	Geographical indication (GI) branded quality: a study case on the homogeneity of the Carota Novella di Ispica Region. <i>AIMS Agriculture and Food</i> , 2021, 6, 538-550.	0.8	1
5588	Response of intercropped barley and fenugreek to mono- and co-inoculation with <i>Sinorhizobium meliloti</i> F42 and <i>Variovorax paradoxus</i> F310 under contrasting agroclimatic regions. <i>Archives of Microbiology</i> , 2021, 203, 1657-1670.	1.0	10
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5595	Ammonium Toxicity Alleviation by Silicon is Dependent on Cytokinins in Tomato cv. Micro-Tom. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 417-428.	2.8	14
5596	Chlorophyll-Based Self-Assembled Nanostructures for Fluorescent Sensing of Aminoglycoside Antibiotics. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3408-3415.	3.2	11
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5598	<i>Piriformospora indica</i> augments arsenic tolerance in rice (<i>Oryza sativa</i>) by immobilizing arsenic in roots and improving iron translocation to shoots. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111793.	2.9	79
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5607	CORRELATION ANALYSIS BETWEEN MORPHOLOGICAL, PHYSIOLOGICAL AND YIELD TRAITS UNDER SALINITY STRESS CONDITION IN WHEAT (<i>TRITICUM AESTIVUM</i> L.) GENOTYPES. Pakistan Journal of Agriculture, Agricultural Engineering & Veterinary Sciences, 2021, 36, 129-134.	0.2	0
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5620	Phytotoxicity of green synthesized silver nanoparticles on <i>Camelina sativa</i> L. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 417-427.	1.4	16
5621	Priming Maritime Pine Megagametophytes during Somatic Embryogenesis Improved Plant Adaptation to Heat Stress. <i>Plants</i> , 2021, 10, 446.	1.6	11
5622	Evaluation of different growing substrates for microgreens production. <i>Acta Horticulturae</i> , 2021, , 109-114.	0.1	2
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5630	Exogenous melatonin and salicylic acid alleviates cadmium toxicity in safflower (<i>Carthamus</i>) Tj ETQq1 1 0.784314 r�BT/Overlock 10 Tj	1.1	34
5631	Si fertigation attenuates water stress in forages by modifying carbon stoichiometry, favouring physiological aspects. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 631-643.	1.7	18
5632	<i>Jatropha curcas</i> L. and <i>Pongamia pinnata</i> L. Exhibited Differential Growth and Bioaccumulation Pattern Irrigated with Wastewater. <i>Sains Malaysiana</i> , 2021, 50, 559-570.	0.3	3
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5641	Red laser-mediated alterations in seed germination, growth, pigments and withanolide content of Ashwagandha [<i>Withania somnifera</i> (L.) Dunal]. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 216, 112144.	1.7	10
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5643	Comparative Study of Drought Stress Effects on Traditional and Modern Apple Cultivars. <i>Plants</i> , 2021, 10, 561.	1.6	33
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5659	Effects of nitrogen fertilization on the growth and on photochemical efficiency in plants of <i>Handroanthus heptaphyllus</i> . <i>Journal of Plant Nutrition</i> , 2021, 44, 2464-2475.	0.9	6
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5661	Ácido ascárbico e pigmentos fotossintÃ©ticos na alface crespa cultivada em sistema hidropÃ©nico com soluÃ§Ãµes salinas. <i>Research, Society and Development</i> , 2021, 10, e10510313011.	0.0	1
5662	Functional Analysis of OsMED16 and OsMED25 in Response to Biotic and Abiotic Stresses in Rice. <i>Frontiers in Plant Science</i> , 2021, 12, 652453.	1.7	4
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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.	2.7	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.	2.8	14
5682	Insights into the physiology of <i>Chlorella vulgaris</i> cultivated in sweet sorghum bagasse hydrolysate for sustainable algal biomass and lipid production. <i>Scientific Reports</i> , 2021, 11, 6779.	1.6	34
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5685	Study on varietal preference and nutritional indices of tea looper <i>Hyposidra talaca</i> (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 3087-3098.	0.4	0
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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.	1.7	23
5728	A central circadian oscillator confers defense heterosis in hybrids without growth vigor costs. <i>Nature Communications</i> , 2021, 12, 2317.	5.8	18
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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. <i>Sustainability</i> , 2021, 13, 5441.	1.6	3
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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.	2.7	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.	0.3	1
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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.	1.0	3
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5808	Characterization and Biotechnological Potential of Two Native Marine Microalgae Isolated from the Tunisian Coast. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5295.	1.3	5
5809	Multiple <i>in vivo</i> Effects of Cadmium on Photosynthetic Electron Transport in Pea Plants. <i>Photochemistry and Photobiology</i> , 2021, 97, 1516-1526.	1.3	8
5810	Selenium Biofortification of Three Wild Species, <i>Rumex acetosa</i> L., <i>Plantago coronopus</i> L., and <i>Portulaca oleracea</i> L., Grown as Microgreens. <i>Agronomy</i> , 2021, 11, 1155.	1.3	28
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5812	Attenuation of vanillic acid toxicity by foliar application with indole-3-acetic acid in tomato seedlings. <i>International Journal of Vegetable Science</i> , 0, , 1-22.	0.6	5
5813	CP12 Is Involved in Protection against High Light Intensity by Suppressing the ROS Generation in <i>Synechococcus elongatus</i> PCC7942. <i>Plants</i> , 2021, 10, 1275.	1.6	6
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5815	Photosynthesis, Biomass Production, Nutritional Quality, and Flavor-Related Phytochemical Properties of Hydroponic-Grown <i>Arugula</i> (<i>Eruca sativa</i> Mill.) â€Standardâ€™™ under Different Electrical Conductivities of Nutrient Solution. <i>Agronomy</i> , 2021, 11, 1340.	1.3	17
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5820	Genotypic-dependent alternation in D1 protein turnover and PSII repair cycle in psf mutant rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT /Overlock 10 121-136.	1.8	6
5821	Proteomic response of tea plants stimulated by ammonium supply. <i>Journal of Plant Nutrition</i> , 0, , 1-12.	0.9	0

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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	1.6	7
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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.	1.7	10
5938	Tetraploidization Increases the Contents of Functional Metabolites in <i>Cnidium officinale</i> . <i>Agronomy</i> , 2021, 11, 1561.	1.3	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.	0.9	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.	4.2	15
5941	A novel and safe pharmaceutical effluent disposal protocol by glass-based Ag ₀ nanocomposite/oxidant degradation process and Ascorbic acid cooperation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105218.	3.3	3
5942	Light Spectra and Root Stocks Affect Response of Greenhouse Tomatoes to Long Photoperiod of Supplemental Lighting. <i>Plants</i> , 2021, 10, 1674.	1.6	11
5943	Silicon via nutrient solution modulates deficient and sufficient manganese sugar and energy cane antioxidant systems. <i>Scientific Reports</i> , 2021, 11, 16900.	1.6	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.	1.3	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.	1.9	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.	1.4	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.	1.7	23
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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.	1.6	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, , .	0.8	2

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5952	Green Microalgae Strain Improvement for the Production of Sterols and Squalene. <i>Plants</i> , 2021, 10, 1673.	1.6	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.	1.2	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.	1.8	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.	2.4	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.	6.5	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.	1.7	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.	2.7	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.	6.5	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.	3.0	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.	1.6	3
5962	Tuz Stresinin B�r�lcedede Baz� Fizyolojik �zellikler ve Mineral Madde Oranlar�na Etkisi. <i>Uluslararası Tar�m Ve Yaban Hayat� Bilimleri Dergisi</i> , 2021, 7, 297-305.	0.1	0
5963	Effect of Different Organic Manures Application on the Bioactive Compound and Yield of Ta�k�pr�¼ Garlic (<i>Allium sativum</i> L.) under 50% Drought. <i>Uluslararası Tar�m Ve Yaban Hayat� Bilimleri Dergisi</i> , 2021, 7, 264-275.	0.1	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.	2.8	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.	2.7	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.	1.4	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.	1.8	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.	0.9	3

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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.	1.2	5
5971	Removal of pentachlorophenol from contaminated wastewater using phytoremediation and bioaugmentation processes. <i>Water Science and Technology</i> , 2021, 84, 3091-3103.	1.2	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.	1.5	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	0.3	2
5974	Survival of <i>Phytophthora nicotianae</i> in citrus rhizosphere. <i>Journal of Plant Pathology</i> , 2021, 103, 1307-1313.	0.6	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.	3.0	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.	1.7	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.	0.8	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.	0.2	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.	1.4	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.	2.4	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.	0.1	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.	2.9	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.	0.9	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.	2.6	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.	2.8	8
5986	Contents of photosynthetic pigments and ratios of chlorophyll a/b and chlorophylls to carotenoids (a+b)/(x+c) in C₄ and C₃ plants as compared to C₃ plants. <i>Photosynthetica</i> , 2022, 60, 3-9.	0.9	17

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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.	1.9	47
5989	Endogenous indoleacetic 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.	2.6	5
5990	Influence of different ammonium and nitrate ratios on quality of rocket. <i>Acta Horticulturae</i> , 2021, , 103-108.	0.1	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.	1.4	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.	0.9	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.	1.6	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.	1.5	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.	2.7	6
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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.	6.5	12
5999	Effect of Source-Sink Ratio Manipulation on Growth, Flowering, and Yield Potential of Soybean. <i>Agriculture (Switzerland)</i> , 2021, 11, 926.	1.4	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.	1.7	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.	1.3	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.	1.8	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.	2.5	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.	1.7	7

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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.	2.9	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.	1.4	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.	1.6	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.	1.7	15
6011	Field evaluation of transgenic hybrid poplars with desirable wood properties and enhanced growth for biofuel production by bicistronic expression of PdGA20ox1 and PtrMYB3 in wood-forming tissue. <i>Biotechnology for Biofuels</i> , 2021, 14, 177.	6.2	3
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6013	Influence of the light on the morphophysiological responses of native trees species of the semideciduous stational forest. <i>Revista Brasileira De Botanica</i> , 2021, 44, 963-976.	0.5	2
6014	Shifts in biochemical and physiological responses by the inoculation of arbuscular mycorrhizal fungi in <i>Triticum aestivum</i> growing under drought conditions. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 1927-1938.	1.7	9
6015	Extraction of microalgal starch and pigments by using different cell disruption methods and aqueous two-phase system. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 67-78.	1.6	9
6016	Stabilization of <i>Arthrospira platensis</i> with high-pressure processing and thermal treatments: Effect on physicochemical and microbiological quality. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15912.	0.9	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.	1.6	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.	0.5	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.	0.8	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.	2.7	9
6021	European ferns as rich sources of antioxidants in the human diet. <i>Food Chemistry</i> , 2021, 356, 129637.	4.2	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.	1.8	19
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6025	Exogenous nitric oxide on morphological, biochemical and antioxidant enzyme activity on savory (<i>Satureja Hortensis L.</i>) plants under cadmium stress. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2021, 20, 417-423.	1.0	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 L.</i>) Under Water Deficit. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3159-3179.	1.7	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.	4.1	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.	1.3	5
6029	Funneliformis mosseae Application Improves the Oil Quantity and Quality and Eco-physiological Characteristics of Soybean (<i>Glycine max L.</i>) Under Water Stress Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3076-3090.	1.7	20
6030	Microencapsulação de extrato de beterraba (<i>Beta Vulgaris L.</i>) pelo processo de gelificação. <i>Research, Society and Development</i> , 2021, 10, e454101220171.	0.0	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.	2.8	8
6032	Modulation of salinity impact on early seedling stage via nano-priming application of zinc oxide on rapeseed (<i>Brassica napus L.</i>). <i>Plant Physiology and Biochemistry</i> , 2021, 166, 376-392.	2.8	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	1.8	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.	1.7	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.	2.5	8
6036	Remnant photosynthetic pigments in tea dregs: identification, composition, and potential use as antibacterial photosensitizer. <i>Potravinarstvo</i> , 0, 15, 835-845.	0.5	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.	1.0	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.	1.4	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.	1.6	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.	1.8	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.	2.6	3

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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.	4.2	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>)	1.0	0
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.	4.6	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.	1.7	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.	2.0	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.	1.7	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.	1.0	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.	1.7	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.	2.8	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.	1.8	13
6053	Abscisic acid mitigates NaCl toxicity in grapevine by influencing phytochemical compounds and mineral nutrients in leaves. <i>Scientia Horticulturae</i> , 2021, 288, 110336.	1.7	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.	2.8	6
6055	Melatonin-mediated photosynthetic performance of tomato seedlings under high-temperature stress. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 309-320.	2.8	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.	1.7	8
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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.	6.5	17
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6929	Bioaccumulation and phytotoxicity of ZnO nanoparticles in soil-grown <i>Brassica chinensis</i> L. and potential risks. Journal of Environmental Management, 2022, 306, 114454.	3.8	17

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6982	A Rice Yellow-Green-Leaf 219 Mutant Lacking the Divinyl Reductase Affects Chlorophyll Biosynthesis and Chloroplast Development. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	2.8	3
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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.	0.8	13
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7003	A long transcript mutant of the rubisco activase gene <scp><i>RCA</i></scp> upregulated by the transcription factor Ghd2 enhances drought tolerance in rice. <i>Plant Journal</i> , 2022, 110, 673-687.	2.8	2
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7015	Morphophysiological characteristics of rare orchid plant <i>Malaxis monophyllos</i> in recultivated fly ash dump. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
7016	DMT1ç¼–çä,€ä,ä,æ°°é.../äšëf±æ°°é...è«ç™1/2é...¶è°fæžšæ°°ç»àˆ†è~–ä1¶ä;ä,žä12æ–±èfèj«ä“ä°”. <i>Scientia Sinica Vitae</i> , 2022, , .		
7017	Estimation of plant growth promoting activity of silicate solubilizing rhizobacteria for use in agricultural biotechnology. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	1
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7053	Graded Moisture Deficit Effect on Secondary Metabolites, Antioxidant, and Inhibitory Enzyme Activities in Leaf Extracts of <i>Rosa damascena</i> Mill. var. <i>trigintipetala</i> . <i>Horticulturae</i> , 2022, 8, 177.	1.2	19
7054	Leaf structural and physiological factors for winter dormancy color of zoysiagrass (<i>Zoysia</i> spp.) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10 0,3		
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7056	Phytoremediation of Soils Contaminated with Heavy Metals from Gold Mining Activities Using <i>Clidemia sericea</i> D. Don. <i>Plants</i> , 2022, 11, 597.	1.6	13

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7057	Evaluation of Nutraceutical Properties of Eleven Microalgal Strains Isolated from Different Freshwater Aquatic Environments: Perspectives for Their Application as Nutraceuticals. <i>Foods</i> , 2022, 11, 654.	1.9	10
7058	Effect of LED light on the growth and physiological indices of blueberry. <i>Agronomy Journal</i> , 2022, 114, 2105-2112.	0.9	4
7059	Salinity-Induced Attenuation in Secondary Metabolites Profile and Herbicidal Potential of <i>Brassica nigra</i> L. on <i>Anagallis arvensis</i> L.. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	2.8	5
7061	The potential of common duckweed (<i>Lemna minor</i>) in phytoremediation of phenanthrene and pyrene. <i>Environmental Engineering Research</i> , 2023, 28, 210592-0.	1.5	3
7062	Comparison of Protective Reactions of Rape Seeds to Chloride Salination at Exposure to Epibrassinolide before or during Salt Stress. <i>Doklady Biochemistry and Biophysics</i> , 2022, 502, 25-29.	0.3	2
7063	Effect of arbuscular mycorrhizal fungi on the accumulation of secondary metabolites in roots and reproductive organs of <i>Solanum nigrum</i> , <i>Digitaria sanguinalis</i> and <i>Ipomoea purpurea</i> . <i>Chemical and Biological Technologies in Agriculture</i> , 2022, 9, .	1.9	14
7064	The Impact of Salinity Stress on Antioxidant Response and Bioactive Compounds of <i>Nepeta cataria</i> L.. <i>Agronomy</i> , 2022, 12, 562.	1.3	11
7065	Lichen indication of surface air pollution in CATE Zheleznogorsk. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 979, 012113.	0.2	0
7066	Combined Role of Fe Nanoparticles (Fe NPs) and <i>Staphylococcus aureus</i> L. in the Alleviation of Chromium Stress in Rice Plants. <i>Life</i> , 2022, 12, 338.	1.1	17
7067	Overexpression of Rice Monogalactosyldiacylglycerol Synthase OsMGD Leads to Enhanced Salt Tolerance in Rice. <i>Agronomy</i> , 2022, 12, 568.	1.3	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.	1.6	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.	2.8	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.	1.7	1
7071	<i>Sinapis alba</i> as a useful plant in bioremediation – studies of defense mechanisms and accumulation of As, Tl and PGEs. <i>International Journal of Phytoremediation</i> , 2022, 24, 1475-1490.	1.7	2
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.	1.7	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.	1.3	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.	4.1	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.	1.4	9

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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.	2.7	3
7077	Cowpea Physiological Responses to Terminal Drought—Comparison between Four Landraces and a Commercial Variety. <i>Plants</i> , 2022, 11, 593.	1.6	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, .	1.0	1
7079	A Comparative LCA of Aeroponic, Hydroponic, and Soil Cultivations of Bioactive Substance Producing Plants. <i>Sustainability</i> , 2022, 14, 2421.	1.6	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.	2.4	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.	1.7	15
7082	Light spectrum affects growth and flowering in petunia “Dark Red™”. <i>Acta Horticulturae</i> , 2022, , 347-354.	0.1	0
7083	Appraisal of kinetin spraying strategy to alleviate the harmful effects of LVC stress on tomato plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 52378-52398.	2.7	20
7084	Changes in morpho-physiological traits of rice cultivars upon different fertilization regimes. <i>Journal of Plant Nutrition</i> , 2022, 45, 2801-2815.	0.9	1
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.	1.3	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.	1.6	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.	1.5	16
7088	Temperature gradient storage induced biochemical and molecular changes in mango (<i>Mangifera indica</i>) Tj ETQq0 0,0rgBT /Oylock 10	1.0	4
7089	Aloe vera gel coating delays softening and maintains quality of stored persimmon (<i>Diospyros kaki</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	5
7090	Leaf Pigments, Surface Wax and Spectral Vegetation Indices for Heat Stress Resistance in Pea. <i>Agronomy</i> , 2022, 12, 739.	1.3	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.	0.7	2
7092	Enhancement of drought tolerance in <i>Arabidopsis</i> plants induced by sulfur dioxide. <i>Ecotoxicology</i> , 2022, 31, 637-648.	1.1	5
7093	Morpho-Physiological Attributes of Different Maize (<i>Zea mays</i> L.) Genotypes Under Varying Salt Stress Conditions. <i>Gesunde Pflanzen</i> , 2022, 74, 661-673.	1.7	2

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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.	1.7	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, .	1.2	3
7096	CRISPR/Cas9-mediated P ₆ CR domain-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.	4.1	11
7097	Microalga Biofertilizer Triggers Metabolic Changes Improving Onion Growth and Yield. <i>Horticulturae</i> , 2022, 8, 223.	1.2	6
7098	Examining the Potential of Enzyme-Based Detergents to Remove Biofouling from Limestone Heritage. <i>Coatings</i> , 2022, 12, 375.	1.2	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.	1.6	27
7100	Bacterial Diversity and Dominant Spoilage Microorganisms in Fresh-Cut Broccoli. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3370.	1.3	2
7101	WHIRLY1 functions in the nucleus to regulate barley leaf development and associated metabolite profiles. <i>Biochemical Journal</i> , 2022, 479, 641-659.	1.7	2
7102	Storage Stability of Nutritional Qualities, Enzyme Activities, and Volatile Compounds of ‘‘Hangjiao No. 2’’ Chili Pepper Treated With Different Concentrations of 1-Methyl Cyclopropene. <i>Frontiers in Plant Science</i> , 2022, 13, 838916.	1.7	6
7103	Enhancement of growth and biomolecules (carbohydrates, proteins, and chlorophylls) of isolated <i>Chlorella thermophila</i> using optimization tools. <i>Preparative Biochemistry and Biotechnology</i> , 2022, 52, 1173-1189.	1.0	3
7104	Biological Effect of Gamma Rays According to Exposure Time on Germination and Plant Growth in Wheat. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3208.	1.3	14
7105	Physiological and Biochemical Behaviours and Antioxidant Response of <i>Helianthus annuus</i> under Lanthanum and Cerium Stress. <i>Sustainability</i> , 2022, 14, 4153.	1.6	9
7106	Photosynthetic response of lutein-deficient mutant lut2 of <i>Arabidopsis thaliana</i> to low temperature at high light. <i>Photosynthetica</i> , 2022, 60, 110-120.	0.9	3
7107	Voltage generation by photosystem I complexes immobilized onto a millipore filter under continuous illumination. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 11528-11538.	3.8	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. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1107-1119.	2.8	24
7109	An ecotoxicological approach can complement the assessment of natural waters from Portuguese reservoirs?. <i>Environmental Science and Pollution Research</i> , 2022, 29, 52147-52161.	2.7	5
7110	Shade moderates the drought stress on saplings of <i>Beneh (Pistacia atlantica</i> Desf. subsp. <i>mutica</i>) in semiarid areas of Iran. <i>Environmental Science and Pollution Research</i> , 2022, 29, 55201-55212.	2.7	1
7111	Transcriptomic analysis of <i>Vigna radiata</i> in response to chilling stress and uniconazole application. <i>BMC Genomics</i> , 2022, 23, 205.	1.2	9

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7112	Salicylic acid alleviates oxidative stress and lipid peroxidation caused by clopyralid herbicide in Indian mustard plants. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	1.0	3
7114	The Joint Toxicity of Organic Three-dimensional Layered Double Hydroxide and Methyl Orange to Green Algae <i>Chlorella Vulgaris</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 108, 1098-1103.	1.3	3
7115	Response of Three <i>Miscanthus Æ— giganteus</i> Cultivars to Toxic Elements Stress: Part 2, Comparison between Two Growing Seasons. <i>Plants</i> , 2022, 11, 945.	1.6	7
7116	Fine Mapping and Candidate Gene Analysis of <i>BnCO8.cds</i> , a Recessive Gene Responsible for Sepal-Specific Chlorophyll-Deficiency in <i>Brassica napus</i> L. <i>Frontiers in Plant Science</i> , 2022, 13, 850330.	1.7	0
7117	Hydrogen peroxide and saline nutrient solution in hydroponic zucchini culture. <i>Semina: Ciencias Agrarias</i> , 2022, 42, 1167-1186.	0.1	1
7118	Investigation of the allelopathic effects of lyophilized ethanol extract of <i>Xanthoparmelia somloensis</i> (Gyelnik) Hale lichen on tomato plant. <i>Anatolian Journal of Botany</i> , 0, , .	0.5	2
7119	Physicochemical characterization and functional properties of flours from Northâ€western Argentina bean (<i>Phaseolus vulgaris</i> L.) cultivars. <i>Cereal Chemistry</i> , 0, , .	1.1	3
7120	Potassium and Silicon Synergistically Increase Cadmium and Lead Tolerance and Phytostabilization by Quinoa through Modulation of Physiological and Biochemical Attributes. <i>Toxics</i> , 2022, 10, 169.	1.6	9
7121	Increasing the cell productivity of mixotrophic growth of <i>Spirulina</i> sp. LEB 18 with crude glycerol. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	0
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.	0.8	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.	1.6	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, .	1.2	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, .	1.0	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.	1.2	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.	0.2	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.	1.8	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.	0.8	2
7130	Feedback loop promotes sucrose accumulation in cotyledons to facilitate sugar-ethylene signaling-mediated, etiolated-seedling greening. <i>Cell Reports</i> , 2022, 38, 110529.	2.9	5

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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.	1.7	4
7133	Microwaved Vermicast Physicochemical Properties and Active Microbial Groups Impact on Photosynthetic Activity, Growth and Yield of Kale. <i>Crops</i> , 2022, 2, 87-98.	0.6	0
7134	Effect of LED on growth and quality of sweet and purple basil, parsley and coriander. <i>Acta Horticulturae</i> , 2022, , 225-232.	0.1	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.	1.6	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.	1.5	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.	1.5	4
7138	Role of Wheat Phosphorus Starvation Tolerance 1 Genes in Phosphorus Acquisition and Root Architecture. <i>Genes</i> , 2022, 13, 487.	1.0	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.	1.0	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.	2.3	7
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. <i>Russian Journal of Plant Physiology</i> , 2022, 69, 1.	0.5	2
7142	Valorization of Moroccan <i>Pistacia lentiscus</i> L. Leaves: Phytochemical and In Vitro Antioxidant Activity Evaluation Compared to Different Altitudes. <i>Scientific World Journal, The</i> , 2022, 2022, 1-10.	0.8	2
7143	Influence of Carbon Sources on Biomass and Biomolecule Accumulation in <i>Picochlorum</i> sp. Cultured under the Mixotrophic Condition. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3674.	1.2	19
7144	Organik Gbre ve Bor Uygulamalarn Mayıs Papatyas (<i>Matricaria recutita</i> L.) n Fide Geliimi ve Biyokimyasal Parametreleri zerine Etkileri. <i>ISPEC Journal of Agricultural Sciences</i> , 2022, 6, 20-31.	0.0	0
7145	Physiological attributes and transcriptomics analyses reveal the mechanism response of <i>Helictotrichon virescens</i> to low temperature stress. <i>BMC Genomics</i> , 2022, 23, 280.	1.2	4
7146	Hydrogen sulphide ameliorates hexavalent chromium toxicity in two cereal crops: Role of antioxidant enzymes and proline metabolism. <i>Plant Biology</i> , 2022, 24, 636-641.	1.8	4
7147	Assessment of graphene oxide toxicity on the growth and nutrient levels of white clover (<i>Trifolium</i>) Tj ETQq1 1.0.784314 rgBT ₁₁ /Overlo	2.9	11
7148	Improving soil fertility with lime and phosphogypsum enhances soybean yield and physiological characteristics. <i>Agronomy for Sustainable Development</i> , 2022, 42, 1.	2.2	6
7149	Interplay between glutathione and mitogen-activated protein kinase 3 via transcription factor WRKY40 under combined osmotic and cold stress in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2022, 271, 153664.	1.6	10

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7150	The Effect of High-Temperature Stress on the Physiological Indexes, Chloroplast Ultrastructure, and Photosystems of two Herbaceous Peony Cultivars. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1631-1646.	2.8	6
7151	Vermicompost leachate, seaweed extract and smoke-water alleviate drought stress in cowpea by influencing phytochemicals, compatible solutes and photosynthetic pigments. <i>Plant Growth Regulation</i> , 2022, 97, 327-342.	1.8	10
7152	Seasonal dynamics of functional parameters of wintergreen steppe relict <i>Globularia punctata</i> Lapeyr. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 289, 152037.	0.6	2
7153	Induced resistance of pistachio tree against <i>Agonoscena pistaciae</i> Burckhardt and Lauterer (Hemiptera: Psyllidae): integrated application of sodium silicate and phyto-hormones. <i>International Journal of Pest Management</i> , 0, , 1-7.	0.9	0
7154	Boron-mediated amelioration of copper-toxicity in sweet orange [<i>Citrus sinensis</i> (L.) Osbeck cv. Xuegan] seedlings involved reduced damage to roots and improved nutrition and water status. <i>Ecotoxicology and Environmental Safety</i> , 2022, 234, 113423.	2.9	13
7155	Carbon starvation, senescence and specific mitochondrial stresses, but not nitrogen starvation and general stresses, are major triggers for mitophagy in <i>Arabidopsis</i> . <i>Autophagy</i> , 2022, 18, 2894-2912.	4.3	12
7156	Optimization of the biotechnological process using <i>Rhodotorula mucilaginosa</i> and acerola (<i>Malpighia emarginata</i> L.) seeds for the production of bioactive compounds. <i>LWT - Food Science and Technology</i> , 2022, 160, 113190.	2.5	7
7157	Glutathione regulates transcriptional activation of iron transporters via <i>S-nitrosylation</i> of bHLH factors to modulate subcellular iron homeostasis. <i>Plant, Cell and Environment</i> , 2022, 45, 2176-2190.	2.8	8
7158	Functional characterization of the <i>Pinellia ternata</i> cytoplasmic class II small heat shock protein gene PtsHSP17.2 via promoter analysis and overexpression in tobacco. <i>Plant Physiology and Biochemistry</i> , 2022, 177, 1-9.	2.8	12
7159	Synthesis of magnetic nanoparticles and their effects on growth and physiological parameters of <i>Calotropis procera</i> seedlings. <i>Environmental Science and Pollution Research</i> , 2022, 29, 59027-59042.	2.7	3
7160	Systematical regulation involved in heterogeneous photosynthetic characteristics of individual leaf in pima cotton. <i>Journal of Integrative Agriculture</i> , 2022, 21, 995-1003.	1.7	1
7161	A promising microalgal wastewater cyclic cultivation technology: Dynamic simulations, economic viability, and environmental suitability. <i>Water Research</i> , 2022, 217, 118411.	5.3	18
7162	Alleviation of Salt-Inhibited Germination and Seedling Growth of Kidney Bean by Seed Priming and Exogenous Application of Salicylic Acid (SA) and Hydrogen Peroxide (H ₂ O ₂). <i>Seeds</i> , 2022, 1, 87-98.	0.7	12
7163	Positive effects of NaCl on the photoreaction and carbon assimilation efficiency in <i>Suaeda salsa</i> . <i>Plant Physiology and Biochemistry</i> , 2022, 177, 32-37.	2.8	11
7164	<i>Bacillus subtilis</i> - and <i>Pseudomonas fluorescens</i> -Mediated Systemic Resistance in Tomato Against <i>Sclerotium rolfsii</i> and Study of Physio-Chemical Alterations. <i>Frontiers in Fungal Biology</i> , 2022, 3, .	0.9	7
7165	Amelioration of cadmium toxicity by enhancing nitrogen assimilation and photosynthetic activity by two different nitrogen supplements in rice (<i>Oryza sativa</i> L.) cv. Lalat. <i>Plant Stress</i> , 2022, 4, 100082.	2.7	8
7166	Application of zinc oxide nanoparticles as fertilizer boosts growth in rice plant and alleviates chromium stress by regulating genes involved in oxidative stress. <i>Chemosphere</i> , 2022, 303, 134554.	4.2	44
7167	Modification of <i>Haematococcus pluvialis</i> algal residue by ionic liquid for improved extraction of astaxanthin followed by removal of acid red dye in water. <i>Algal Research</i> , 2022, 64, 102656.	2.4	4

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7168	Evaluation of Aluminum toxicity and phosphorus treatment on the physiological and biochemical traits of spinach (<i>Spinacia oleracea</i> L). <i>Scientia Horticulturae</i> , 2022, 298, 110981.	1.7	1
7169	Predictive models of drought tolerance indices based on physiological, morphological and biochemical markers for the selection of cotton (<i>Gossypium hirsutum</i> L.) varieties. <i>Journal of Integrative Agriculture</i> , 2022, 21, 1310-1320.	1.7	15
7170	Co-treatment with silicon and quicklime in pig manure application as a promising option of environmental management. <i>Journal of Environmental Management</i> , 2022, 309, 114684.	3.8	2
7171	Gaussian processes retrieval of crop traits in Google Earth Engine based on Sentinel-2 top-of-atmosphere data. <i>Remote Sensing of Environment</i> , 2022, 273, 112958.	4.6	32
7172	Antioxidant and innate immunity of <i>Danio rerio</i> against <i>Edwardsiella tarda</i> in response to diets including three kinds of marine microalgae. <i>Algal Research</i> , 2022, 64, 102689.	2.4	7
7173	Effects of algal-derived organic matter on sediment nitrogen mineralization and immobilization in a eutrophic estuary. <i>Ecological Indicators</i> , 2022, 138, 108813.	2.6	8
7174	Responses of spring leaf phenological and functional traits of two urban tree species to air warming and/or elevated ozone. <i>Plant Physiology and Biochemistry</i> , 2022, 179, 158-167.	2.8	4
7175	Polyamines mitigate the destructive impacts of salinity stress by enhancing photosynthetic capacity, antioxidant defense system and upregulation of calvin cycle-related genes in rapeseed (<i>Brassica napus</i>) Tj ETQq1 1 078431426BT /Over	2.8	4
7176	He-Ne laser irradiation ameliorates cadmium toxicity in wheat by modulating cadmium accumulation, nutrient uptake and antioxidant defense system. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113477.	2.9	5
7177	Green nanosilica enhanced the salt-tolerance defenses and yield of Williams banana: A field trial for using saline water in low fertile arid soil. <i>Environmental and Experimental Botany</i> , 2022, 197, 104843.	2.0	16
7178	Microbe-citric acid assisted phytoremediation of chromium by castor bean (<i>Ricinus communis</i> L.). <i>Chemosphere</i> , 2022, 296, 134065.	4.2	11
7179	Exogenously applied calcium regulates antioxidative system and reduces cadmium-uptake in <i>Fagopyrum esculentum</i> . <i>Plant Physiology and Biochemistry</i> , 2022, 180, 17-26.	2.8	13
7180	Functional Characterization of Two Lycopene Cyclases from Sweet Osmanthus (<i>Osmanthus fragrans</i>). <i>Scientia Horticulturae</i> , 2022, 299, 111062.	1.7	3
7181	Interactive effects of metals and carbon nanotubes in a microcosm agrosystem. <i>Journal of Hazardous Materials</i> , 2022, 431, 128613.	6.5	2
7182	Expression of <i>B. subtilis</i> Phytase gene driven by fruit specific E8 promoter for enhanced minerals, metabolites and phytonutrient in cucumber fruit. <i>Food Research International</i> , 2022, 156, 111138.	2.9	4
7183	Tartaric acid soil-amendment increases phytoextraction potential through root to shoot transfer of lead in turnip. <i>Chemosphere</i> , 2022, 296, 134055.	4.2	7
7184	Intercropping improves yield and phytochemical attributes in guar (<i>Cyamopsis tetragonoloba</i> L.) and roselle (<i>Hibiscus sabdariffa</i> L.) plants under nitrogen application. <i>South African Journal of Botany</i> , 2022, 147, 608-617.	1.2	3
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7473	CoinoculaciÃ3n de <i>Pinus montezumae</i> (Pinaceae) con un hongo comestible ectomicorrÃazico y bacterias promotoras de crecimiento vegetal. <i>Acta Botanica Mexicana</i> , 2022, , .	0.1	0
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7478	Salisilik Asitin Buğday Ğiminin (<i>Triticum aestivum</i> L.) Antioksidan Potansiyeline, C Vitamini Ğeriğine ve DNA Koruyucu Aktivitesine Etkisinin Arařtırılması. <i>Kahramanmarař S4t4ř4 Ğmam Ğeniversitesi Tarım ve Doğa O Dergisi</i> , 0, , .	2.2	0
7479	Effect of 5-Aminolevulinic Acid on Phytochemical and Biochemical Traits of <i>Fagopyrum esculentum</i> Under Salinity Stress. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 3254-3267.	1.7	5
7480	Revealing the Complex Relationship Among Hyperspectral Reflectance, Photosynthetic Pigments, and Growth in Norway Spruce Ecotypes. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	4
7482	Particulate Nanoscale Silica Induced Novel Morphological and Biochemical Stimulus Effects in <i>Chilli</i> (<i>Capsicum annum</i> L.). <i>ACS Agricultural Science and Technology</i> , 2022, 2, 555-563.	1.0	3
7483	Control of Tomato Wilt Disease Fungus <i>Fusarium oxysporum</i> f.sp. <i>Lycopersicon</i> by Single or Combine Interaction of Mycorrhiza, <i>Trichoderma harzianum</i> , and Effective Microorganisms (Microbial Blend). <i>Journal of Pure and Applied Microbiology</i> , 2022, 16, 1362-1369.	0.3	1
7484	Characterization of two Peruvian maize landraces differing in boron toxicity tolerance. <i>Plant Physiology and Biochemistry</i> , 2022, 185, 167-177.	2.8	7
7485	Effect of Heat Treatment on Nutritional and Chromatic Properties of Mung Bean (<i>Vigna radiata</i> L.). <i>Agronomy</i> , 2022, 12, 1365.	1.3	8
7487	Toxicity, biodegradation of moxifloxacin and gatifloxacin on <i>Chlamydomonas reinhardtii</i> and their metabolic fate. <i>Ecotoxicology and Environmental Safety</i> , 2022, 240, 113711.	2.9	8
7488	Metal(oid)s accumulation (Hg and As) and their biochemical effects in <i>Halimione portulacoides</i> (Ria de Tj ETQq0 0,0rgBT /Oyerlock 10	2.3	5
7489	Physiological insights into enhanced lipid accumulation and temperature tolerance by <i>Tetraselmis suecica</i> ultraviolet mutants. <i>Science of the Total Environment</i> , 2022, 839, 156361.	3.9	7
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7498	High Yield of Cocoa Clones Grown in Full Sun. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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7503	Light Regimes Regulate Leaf and Twigs Traits of <i>Camellia oleifera</i> (Abel) in <i>Pinus massoniana</i> Plantation Understory. <i>Forests</i> , 2022, 13, 918.	0.9	4
7504	Extraction of biomolecules from <i>Coelastrella</i> sp. LRF1 biomass using Ohmic Heating technology. <i>Innovative Food Science and Emerging Technologies</i> , 2022, 80, 103059.	2.7	7
7505	Heterosis and combining ability studies by line tester analysis for fruit biochemical, morpho-physiological, and yield traits governing shelf life in tomato (<i>Solanum lycopersicum</i> L.). <i>Euphytica</i> , 2022, 218, .	0.6	1
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7514	Growth and physiological responses of young plants of <i>Dendrocalamus asper</i> (Poaceae: Tj ETQqO O O rgBT /Overlock 10 Tf 50 272 Td (E <i>Dendrocalamus asper</i> (Poaceae: Bambusoideae) submetidas a estresse hÁdrico. <i>Brazilian Journal of Development</i> , 2022, 8, 42694-42712.	0.0	0
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7516	Effect of Pyroligneous Acid on the Productivity and Nutritional Quality of Greenhouse Tomato. <i>Plants</i> , 2022, 11, 1650.	1.6	7
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7550	Dualistic effects of bisphenol A on growth, photosynthetic and oxidative stress of duckweed (<i>Lemna</i>) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	2.7	10
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.	1.6	3
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7743	Effect of three water-regimes on morpho-physiological, biochemical and yield responses of local and foreign olive cultivars under field conditions. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	8
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7752	Influence of irrigation frequency and nitrogen concentration on Tifway 419 bermudagrass in Brazil. <i>Revista Ceres</i> , 2022, 69, 578-585.	0.1	1
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7754	Morphological and Physiological Responses of Hybrid Aspen (<i>Populus tremuloides</i> Michx. Æ— <i>Populus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	0
7755	Ultrafast laser filament-induced fluorescence for detecting uranium stress in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2022, 12, .	1.6	0
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7758	Silicon-nanoparticles doped biochar is more effective than biochar for mitigation of arsenic and salinity stress in Quinoa: Insight to human health risk assessment. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	9
7759	Efficacy of Biological Copper Oxide Nanoparticles on Controlling Damping-Off Disease and Growth Dynamics of Sugar Beet (<i>Beta vulgaris</i> L.) <i>Plants. Sustainability</i> , 2022, 14, 12871.	1.6	4
7760	LED Lighting Effects on Plant Growth and Quality of <i>Pyrus communis</i> L. Propagated In Vitro. <i>Agronomy</i> , 2022, 12, 2531.	1.3	7
7761	Phytoremediation of isoproturonâ€contaminated sites by transgenic soybean. <i>Plant Biotechnology Journal</i> , 2023, 21, 342-353.	4.1	0
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7763	Foliar Application of Salicylic Acid Improved Growth, Yield, Quality and Photosynthesis of Pea (<i>Pisum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 14, 14180.	1.6	12
7764	The efficiency of arbuscular mycorrhiza in increasing tolerance of <i>Triticum aestivum</i> L. to alkaline stress. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	5
7765	Pre- and post- emergence control of <i>Hovenia dulcis</i> with extracts obtained from pepper (<i>Capsicum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 0,2	0.2	0
7766	Biofortification and Quality of Collard Greens as a Function of Iron Concentration in Nutrient Solution. <i>Agronomy</i> , 2022, 12, 2493.	1.3	0
7767	Physiological Response, Oxidative Stress Assessment and Aquaporin Genes Expression of Cherry Tomato (<i>Solanum lycopersicum</i> L.) Exposed to Hyper-Harmonized Fullerene Water Complex. <i>Plants</i> , 2022, 11, 2810.	1.6	3

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7769	Effect of nano-silicon on the regulation of ascorbate-glutathione contents, antioxidant defense system and growth of copper stressed wheat (<i>Triticum aestivum</i> L.) seedlings. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
7770	The auxin response factor TaARF15-A1 negatively regulates senescence in common wheat (<i>Triticum</i>) Tj ETQq0 0.0 rgBT /Overlock 10	2.3	12
7771	Glutamic Acid and Poly- γ -glutamic Acid Enhanced the Heat Resistance of Chinese Cabbage (<i>Brassica rapa</i>) Tj ETQq1 1 0.784314 rgBT 10	1.8	6
7772	Lower Light Intensities Increase Shoot Germination with Improved Leaf Biosynthesis in Ma Bamboo (<i>Dendrocalamus latiflorus</i> Munro). <i>Forests</i> , 2022, 13, 1723.	0.9	5
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7774	Mineral Nutrition of Naturally Growing Scots Pine and Norway Spruce under Limited Water Supply. <i>Plants</i> , 2022, 11, 2652.	1.6	3
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7780	Bioativos em frutos de mandacaru colhidos no sertão paraibano. <i>Brazilian Journal of Animal and Environmental Research</i> , 2022, 5, 3544-3558.	0.0	0
7781	Biofertilizer Based on Biochar and Metal-Tolerant Plant Growth Promoting Rhizobacteria Alleviates Copper Impact on Morphophysiological Traits in <i>Brassica napus</i> L.. <i>Microorganisms</i> , 2022, 10, 2164.	1.6	5
7782	Characterization of complex photosynthetic pigment profiles in European deciduous tree leaves by sequential extraction and reversed-phase high-performance liquid chromatography. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
7783	Cytological, genetic and transcriptomic characterization of a cucumber albino mutant. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
7784	Sugar-terminated carbon-nanodots stimulate osmolyte accumulation and ROS detoxification for the alleviation of salinity stress in <i>Vigna radiata</i> . <i>Scientific Reports</i> , 2022, 12, .	1.6	4
7785	Versatile effect of cytokinin on detached senescing leaves of <i>Arabidopsis</i> in the light. <i>Plant Growth Regulation</i> , 0, , .	1.8	0

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7793	Induction of resilience strategies against biochemical deteriorations prompted by severe cadmium stress in sunflower plant when <i>Trichoderma</i> and bacterial inoculation were used as biofertilizers. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	22
7794	Multivariate characterization of biochemical and physiological attributes of quinoa (<i>Chenopodium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Science and Pollution Research, 0, , .	2.7	1
7796	Foliar Application of Reaction Products Derived from Selenite Removal by Iron Monosulfide for <i>Brassica rapa</i> ssp. <i>Chinensis</i> L.. <i>Environmental Science & Technology</i> , 2022, 56, 16281-16291.	4.6	1
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7800	Effect of Potassium Deficiency on Physiological Responses and Anatomical Structure of Basil, <i>Ocimum basilicum</i> L.. <i>Biology</i> , 2022, 11, 1557.	1.3	2
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7802	Morphological and biochemical diversity in <i>Rosa</i> species. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2022, 21, 163-171.	0.3	0
7803	Overexpression of Î²-Ketoacyl CoA Synthase 2B.1 from <i>Chenopodium quinoa</i> Promotes Suberin Monomersâ€™ Production and Salt Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 13204.	1.8	4
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7806	The Response of Duckweed <i>Lemna minor</i> to Microplastics and Its Potential Use as a Bioindicator of Microplastic Pollution. <i>Plants</i> , 2022, 11, 2953.	1.6	16
7807	The Growth and Physiological Characteristics of the Endangered CAM Plant, Nadopungnan (<i>Sedirea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	1
7808	Classification of Aquaculture Waters through Remote Sensing on the Basis of a Time-Series Water Index. <i>Journal of Coastal Research</i> , 2022, 38, .	0.1	1
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7813	Single-walled carbon nanotubes protect photosynthetic reactions in <i>Chlamydomonas reinhardtii</i> against photoinhibition. <i>Plant Physiology and Biochemistry</i> , 2022, 192, 298-307.	2.8	6
7814	Fate and toxicity of triclosan in tidal flow constructed wetlands amended with cow dung biochar. <i>Chemosphere</i> , 2023, 311, 136875.	4.2	5
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7818	Subcellular distribution and physiological responses of native and exotic grasses from the Pampa biome subjected to excess manganese. <i>Chemosphere</i> , 2023, 310, 136801.	4.2	3
7819	ZnO quantum dots outperform nanoscale and bulk particles for enhancing tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182	3.9	12
7820	Iron biofortification in quinoa: Effect of iron application methods on nutritional quality, anti-nutrient composition, and grain productivity. <i>Food Chemistry</i> , 2023, 404, 134573.	4.2	7
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7822	Nano and submicron fluorescent polystyrene particles internalization and translocation in seedlings of <i>Cichorium endivia</i> L.. <i>Environmental Science: Nano</i> , 2022, 9, 4585-4598.	2.2	2

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7825	Nondestructive Estimation of Leaf Chlorophyll Content in Grapes. <i>American Journal of Enology and Viticulture</i> , 2008, 59, 299-305.	0.9	32
7826	Correlation between SPAD and chlorophylls a, b and total in leaves from <i>Vaccinium corymbosum</i> L. cv. Biloxi, Legacy and Victoria in the high tropics. <i>Revista Colombiana De Ciencias Hortícolas</i> , 2022, 16, .	0.2	2
7827	Protective effect of zinc complex with hypoxanthine-9-riboside on wheat seedlings grown from gamma-irradiated seeds. <i>Faktori Eksperimental Noi Evolucii Organizmiv</i> , 0, 31, 157-162.	0.0	0
7828	Effect of chronic ultraviolet b radiation on pea plants. <i>Faktori Eksperimental Noi Evolucii Organizmiv</i> , 0, 30, 67-72.	0.0	1
7829	Improvement of Postharvest Quality and Bioactive Compounds Content of Persimmon Fruits after Hydrocolloid-Based Edible Coating Application. <i>Horticulturae</i> , 2022, 8, 1045.	1.2	8
7830	Potassium Humate and Plant Growth-Promoting Microbes Jointly Mitigate Water Deficit Stress in Soybean Cultivated in Salt-Affected Soil. <i>Plants</i> , 2022, 11, 3016.	1.6	5
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7839	Enhanced Algal Biomass Production in a Novel Electromagnetic Photobioreactor (E-PBR). <i>Current Microbiology</i> , 2022, 79, .	1.0	2
7840	Mitigation of low temperature stress and plant growth promotion in barley (<i>Hordeum vulgare</i> L.) by inoculation of psychrotrophic P-solubilizing <i>Serratia nematodiphila</i> EU-PW75. <i>Cereal Research Communications</i> , 0, , .	0.8	0
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7842	Physiological Responses of Chickpea Genotypes to Cold and Heat Stress in Flowering Stage. <i>Agronomy</i> , 2022, 12, 2755.	1.3	2

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7844	Microalgal wastewater recycling: Suitability of harvesting methods and influence on growth mechanisms. <i>Science of the Total Environment</i> , 2023, 859, 160237.	3.9	4
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7856	Responses to aluminum and cadmium of a RNAi sorghum line with decreased levels of phosphoenolpyruvate carboxylase 3 (PPC3). <i>Environmental and Experimental Botany</i> , 2023, 205, 105139.	2.0	3
7857	Physiological and molecular modeling investigations of the relationship between sulfate and chromium VI uptake in <i>Vicia faba</i> L.. <i>Biocatalysis and Agricultural Biotechnology</i> , 2023, 47, 102554.	1.5	3
7858	<i>Arthrospira platensis</i> (<i>Spirulina</i>) fortified functional foods ameliorate iron and protein malnutrition by improving growth and modulating oxidative stress and gut microbiota in rats. <i>Food and Function</i> , 2023, 14, 1160-1178.	2.1	9
7859	Effect of saline stress on growth and biochemical indices of chrysanthemum (<i>Chrysanthemum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 10		2
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7863	Control of Black Spot Disease by Ultraviolet-B Irradiation in Rose (<i>Rosa</i> & <i>Rosa</i> & <i>hybrida</i>) Production. <i>Horticulture Journal</i> , 2023, , .	0.3	0
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7866	Ecological toxicity of Cd, Pb, Zn, Hg and regulation mechanism in <i>Solanum nigrum</i> L.. <i>Chemosphere</i> , 2023, 313, 137447.	4.2	14
7867	Using artificial neural network for prediction of accumulation of bioactive compounds in <i>Momordica charantia</i> through application of different elicitors. <i>Industrial Crops and Products</i> , 2023, 192, 115984.	2.5	3
7868	The influence of NaCl salinity on evapotranspiration, yield traits, antioxidant status, and mineral composition of lettuce grown under deficit irrigation. <i>Scientia Horticulturae</i> , 2023, 310, 111776.	1.7	4
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7873	Proline-functionalized graphene oxide nanoparticles (GO-Pro NPs): A new engineered nanoparticle to ameliorate salinity stress on grape (<i>Vitis vinifera</i> L. cv Sultana). <i>Plant Stress</i> , 2023, 7, 100128.	2.7	8
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7875	Identification and characterization of <i>CsSRP43</i>, a major gene controlling leaf yellowing in cucumber. <i>Horticulture Research</i> , 2022, 9, .	2.9	4
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7878	Multi-omics analyses reveal new insights into nutritional quality changes of alfalfa leaves during the flowering period. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
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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, .	1.7	2
8017	Salinity Stress Influences the Main Biochemical Parameters of <i>Nepeta racemosa</i> Lam.. <i>Plants</i> , 2023, 12, 583.	1.6	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.	0.9	3
8019	Evaluation of Physio-Morphological and Biochemical Responses for Salt Tolerance in Wheat (<i>Triticum</i>) Tj ETQq0 0 0,rgBT /Overlock 10 TF	2.8	3
8020	Anthropogenic Dusts Influence Leaf Anatomical and Eco-Physiological Traits of Black Locust (<i>Robinia</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 10 TF	0,9	2
8021	<i>Trichoderma longibrachiatum</i> , a biological control agent of <i>Sclerotium cepivorum</i> on onion plants under salt stress. <i>Biological Control</i> , 2023, 180, 105168.	1.4	2
8022	Bioactive Natural Pigmentsâ€™™ Extraction, Isolation, and Stability in Food Applications. <i>Molecules</i> , 2023, 28, 1200.	1.7	8
8023	Overexpression of the Poplar WRKY51 Transcription Factor Enhances Salt Tolerance in <i>Arabidopsis thaliana</i> . <i>Forests</i> , 2023, 14, 191.	0.9	5
8024	Leaf-Level Field Spectroscopy to Discriminate Invasive Species (<i>Psidium guajava</i> L. and <i>Hovenia dulcis</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 10 TF	1.8	1
8025	New strategy for silicon supply through fertigation in sugarcane integrating the pre-sprouted seedling phase and field cultivation. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
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8027	Influence of Light of Different Spectral Compositions on Growth Parameters, Photosynthetic Pigment Contents and Gene Expression in Scots Pine Plantlets. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2063.	1.8	3
8028	Evaluation of Soil Loss Tolerance and Tree Growth Features Based on Planting Ground Methods in the Alpine Center, Degraded Forestland in the Republic of Korea. <i>Forests</i> , 2023, 14, 200.	0.9	0

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8030	Antifungal activity of eco-safe nanoemulsions based on <i>Nigella sativa</i> oil against <i>Penicillium verrucosum</i> infecting maize seeds: Biochemical and physiological traits. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
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8033	Harnessing Genetic Variation in Physiological and Molecular Traits to Improve Heat Tolerance in Food Legumes. , 2023, , 27-69.		0
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8035	Photosynthetic Gains in Super-Nodulating Mutants of <i>Medicago truncatula</i> under Elevated Atmospheric CO ₂ Conditions. <i>Plants</i> , 2023, 12, 441.	1.6	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). <i>Journal of Horticultural Science and Biotechnology</i> , 2023, 98, 635-648.	0.9	2
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.	1.6	3
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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
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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 1. 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 1. 0.4		0
8045	<i>Moringa oleifera</i> L. Microgreens and their Antioxidant Activity. <i>E3S Web of Conferences</i> , 2023, 374, 00018.	0.2	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.	0.2	0

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8048	Silicon Actuates Poplar Calli Tolerance after Longer Exposure to Antimony. <i>Plants</i> , 2023, 12, 689.	1.6	1
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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.	2.0	8
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8061	The photosynthetic function analysis for leaf photooxidation in rice. <i>Photosynthetica</i> , 2023, 61, 48-57.	0.9	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.	1.2	3
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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.	4.6	1
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8088	Identification and haplotype analysis of SiCHLI: a gene for yellow-green seedling as morphological marker to accelerate foxtail millet (<i>Setaria italica</i>) hybrid breeding. <i>Theoretical and Applied Genetics</i> , 2023, 136, .	1.8	1
8089	Phytoremediation of dinitrophenol from wastewater by <i>atriplex lentiformis</i> : effect of salicylic acid. <i>International Journal of Phytoremediation</i> , 2023, 25, 1558-1566.	1.7	2
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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. <i>Biochemical Engineering Journal</i> , 2023, 192, 108839.	1.8	2
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8105	Essential Oils and Biological Activities of <i>Eucalyptus falcata</i> , <i>E.Âsideroxyylon</i> and <i>E. citriodora</i> Growing in Tunisia. <i>Plants</i> , 2023, 12, 816.	1.6	15
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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.	2.4	2
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8134	The Impact of Pesticide Use on Tree Health in Riparian Buffer Zone. <i>Toxics</i> , 2023, 11, 235.	1.6	0
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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.	1.6	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, , .	2.7	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.	1.6	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.	2.8	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.	0.3	2
8145	Vitamin C biofortification of broccoli microgreens and resulting effects on nutrient composition. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	5
8146	Organic fragments of <i>k</i> -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.	2.4	4
8147	Variation in Leaf Pigment Complex Traits of Wetland Plants Is Related to Taxonomy and Life Forms. <i>Diversity</i> , 2023, 15, 372.	0.7	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, , .	2.8	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.	4.8	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.	2.9	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.	2.8	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, .	0.8	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.	2.4	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.	2.4	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.	1.2	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.	1.7	4

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8159	THE EFFECT OF GLUCOSE AND SUCROSE ON THE PHOTOSYNTHETIC PIGMENTS CONTENT IN ARABIDOPSIS THALINA UPON HEAT STRESS. <i>Bioloichni Systemy</i> , 2022, 14, 118-123.	0.0	0
8160	Uso da magnetita no processo de adsorção de nutrientes em alface (&em>Lactuca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662 To	0.0	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, .	1.7	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, .	1.7	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, .	0.4	2
8164	Astaxanthin as a King of Ketocarotenoids: Structure, Synthesis, Accumulation, Bioavailability and Antioxidant Properties. <i>Marine Drugs</i> , 2023, 21, 176.	2.2	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.	1.3	3
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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, .	1.6	8
8169	Acetic acid enhances drought tolerance more in female than in male willows. <i>Physiologia Plantarum</i> , 2023, 175, .	2.6	3
8170	Physiological and biochemical regulation of tobacco by oxathiapiprolin under <i>Phytophthora nicotianae</i> infection. <i>Physiologia Plantarum</i> , 2023, 175, .	2.6	1
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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.	0.4	0
8173	Investigation of some Biochemical Traits of Tolerant and Sensitive Wheat Cultivars (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 To	0.4	2
8174	Preparation and characterization of $\langle \text{sc} \rangle \text{CO} \langle \text{sub} \rangle 2 \langle \text{sub} \rangle \langle \text{sc} \rangle / \langle \text{sc} \rangle \text{O} \langle \text{sub} \rangle 2 \langle \text{sub} \rangle \langle \text{sc} \rangle$ selective facilitated transport films by coating polyvinyl alcohol/polyethylene glycol/aminated sodium lignosulfonate on $\langle \text{sc} \rangle \text{TiO} \langle \text{sub} \rangle 2 \langle \text{sub} \rangle \langle \text{sc} \rangle / \langle \text{sc} \rangle \text{ZnO} \langle \text{sc} \rangle$ $\hat{\epsilon}$ modified $\langle \text{sc} \rangle \text{LDPE} \langle \text{sc} \rangle$. <i>Journal of Applied Polymer Science</i> , 0, , .	1.3	0
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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. Plants, 2023, 12, 1368.	1.6	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. PeerJ, 0, 11, e14983.	0.9	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. Biofuels, 2023, 14, 883-894.	1.4	0
8183	Physiological Response of Nutrient-Stressed Lemna gibba to Pulse Colloidal Silver Treatment. Plants, 2023, 12, 1367.	1.6	0
8184	Effects of salt stress on interspecific competition between an invasive alien plant <i>Oenothera biennis</i> and three native species. Frontiers in Plant Science, 0, 14, .	1.7	1
8185	Oxidative stress induced by fluorine in <i>Xanthoria parietina</i> (L.) Th. Fr.. International Journal of Secondary Metabolite, 0, , 124-136.	0.5	0
8186	Light scattering in stacked mesophyll cells results in similarity characteristic of solar spectral reflectance and transmittance of natural leaves. Scientific Reports, 2023, 13, .	1.6	3
8188	Temperature influences glyphosate efficacy on glyphosate-resistant and -susceptible goosegrass (<i>Eleusine indica</i>). Frontiers in Plant Science, 0, 14, .	1.7	2
8189	The Role of Chitosan in Improvisation the Drought Stress in <i>Carum copticum</i> through Biochemical and Essential Oil Components. Russian Journal of Plant Physiology, 2022, 69, .	0.5	1
8190	Effects of LED Lights and New Long-Term-Release Fertilizers on Lettuce Growth: A Contribution for Sustainable Horticulture. Horticulturae, 2023, 9, 404.	1.2	1
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8192	Melon yellow-green plant (Cmygp) encodes a Golden2-like transcription factor regulating chlorophyll synthesis and chloroplast development. Theoretical and Applied Genetics, 2023, 136, .	1.8	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> . Environmental Progress and Sustainable Energy, 2023, 42, .	1.3	1
8194	Effects of Phytotoxic Nonenolides, Stagonolide A and Herbarumin I, on Physiological and Biochemical Processes in Leaves and Roots of Sensitive Plants. Toxins, 2023, 15, 234.	1.5	0
8195	Permeabilization of the cell wall of <i>Chlorella sorokiniana</i> by the chitosan-degrading protease papain. Algal Research, 2023, 71, 103066.	2.4	1
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. Plant Physiology and Biochemistry, 2023, 197, 107660.	2.8	3

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8199	Nutrient deficiency lowers photochemical and carboxylation efficiency in tobacco. <i>Theoretical and Experimental Plant Physiology</i> , 2023, 35, 81-97.	1.1	6
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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.	2.9	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, .	1.6	10
8204	A chloroplast diacylglycerol lipase modulates glycerolipid pathway balance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2023, 115, 335-350.	2.8	3
8205	Image-based phenotyping to estimate anthocyanin concentrations in lettuce. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
8206	Effects of Monochromatic Light on Growth and Quality of <i>Pistacia vera</i> L.. <i>Plants</i> , 2023, 12, 1546.	1.6	1
8207	Alleviating Plant Water Stress with Biofertilizers: A Case Study for Dragonâ€™s Head (<i>Lallemantia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Plant Production</i> , 0, , .	1.0	1
8208	Application of soil amendments mitigates phytotoxic effects on <i>Solanum melongena</i> L. and <i>Lycopersicon esculentum</i> L. seedlings exposed to chlorpyrifos and dimethoate pesticides. <i>Environmental Science and Pollution Research</i> , 2023, 30, 59891-59908.	2.7	2
8209	Evaluation of <i>Miscanthus ã— giganteus</i> Tolerance to Trace Element Stress: Field Experiment with Soils Possessing Gradient Cd, Pb, and Zn Concentrations. <i>Plants</i> , 2023, 12, 1560.	1.6	3
8210	Divergent contribution of the MVA and MEP pathways to the formation of polyprenols and dolichols in <i>Arabidopsis</i> . <i>Biochemical Journal</i> , 2023, 480, 495-520.	1.7	6
8211	Mitigation of salt stress and stimulation of growth by salicylic acid and calcium chloride seed priming in two barley species. <i>Plant Biosystems</i> , 2023, 157, 758-768.	0.8	1
8213	Effects of Spectral Quality and Light Quantity of LEDs on In Vitro Shoot Development and Proliferation of <i>Ananas comosus</i> L. Merr. <i>Agronomy</i> , 2023, 13, 1072.	1.3	3
8214	An attempt to simultaneously quantify the polysaccharide, total lipid, protein and pigment in single <i>Cyclotella cryptica</i> 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. <i>Scientia Horticulturae</i> , 2023, 317, 111992.	1.7	1
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8217	Effect of Natural Phytohormones on Growth, Nutritional Status, and Yield of Mung Bean (<i>Vigna</i>) Tj ETQq0 0 0 rgBT/Qverlock_10 Tf 50 7	1.0	0
8218	Dynamics of accumulation of photosynthetic pigments in leaves <i>Triticum Csiczinii</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.	1.7	1
8220	The combined formulation of brassinolide and pyraclostrobin increases biomass and seed yield by improving photosynthetic capacity in <i>Arabidopsis thaliana</i> . Frontiers in Plant Science, 0, 14, .	1.7	4
8221	Mutation of CsARC6 affects fruit color and increases fruit nutrition in cucumber. Theoretical and Applied Genetics, 2023, 136, .	1.8	2
8222	Elicitation with Methyl Jasmonate and Salicylic Acid Increase Essential Oil Production and Modulate Physiological Parameters in <i>Lippia alba</i> (Mill) N.E. Brown (Verbenaceae). Journal of Plant Growth Regulation, 2023, 42, 5909-5927.	2.8	2
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8224	Ecotoxicity attenuation by acid-resistant nanofiltration in scandium recovery from TiO ₂ production waste. Heliyon, 2023, 9, e15512.	1.4	1
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). Plants, 2023, 12, 1669.	1.6	0
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8230	Mutualistic Effect of Macronutrients Availing Microbes on the Plant Growth Promotion of Finger Millet (<i>Eleusine coracana</i> L.). Current Microbiology, 2023, 80, .	1.0	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. Frontiers in Plant Science, 0, 14, .	1.7	2
8232	Compost Improving Morphophysiological and Biochemical Traits, Seed Yield, and Oil Quality of <i>Nigella sativa</i> under Drought Stress. Agronomy, 2023, 13, 1147.	1.3	2
8233	Boosting starch productivity of mixotrophic duckweed via light and organic carbon treatment. Biomass and Bioenergy, 2023, 173, 106795.	2.9	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> . Plants, 2023, 12, 1694.	1.6	2

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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.	4.6	8
8237	Nano-Hydroxyapatite and ZnO-NPs Mitigate Pb Stress in Maize. <i>Agronomy</i> , 2023, 13, 1174.	1.3	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 annum</i> L. <i>Green Pepper Fruit</i> . <i>Foods</i> , 2023, 12, 1715.	1.9	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.	2.3	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.	3.7	15
8329	Features of the accumulation of photosynthetic pigments in cereals obtained by the method of remote hybridization. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
8449	Structural and functional studies of a eukaryotic type Ser/Thr kinase, Slr0599, of <i>Synechocystis</i> sp. PCC 6803 using a combination of experimental and computational approaches. , 2023, , 49-66.		0
8613	Potential of Biosynthesized Silver Nanoparticles (AgNPs) to Promote Growth and Control Plant Pathogenic Bacteria of <i>Lotus</i> (<i>Nelumbo nucifera</i>). <i>IFMBE Proceedings</i> , 2024, , 275-285.	0.2	0
8617	Prediction of plant pigments for phytosanitary and yield estimation. , 2024, , 259-303.		0
8682	Bioactive Properties of the Pigment Astaxanthin from <i>Haematococcus pluvialis</i> in Human Health. <i>Physiology</i> , 0, , .	4.0	0
8773	Preliminary study on spectrophotometry analysis of chlorophylls and total carotenoids from <i>Nepenthes gracilis</i> fresh and dried leaves using various extracting solvents. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
8881	Isolation and characterization of endophytic bacteria from medicinal plants (<i>Berberis aristata</i> and) Tj ETQq1 1 0.784314 rgBT/Overlook	0.8	0
8915	Effect of <i>Azospirillum brasilense</i> and <i>Bacillus subtilis</i> Inoculation on Durum Wheat Growth Response under Four Inoculation Methods. , 0, , .		0