

# Marian Brestic

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8842279/marian-brestic-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

244  
papers

8,376  
citations

45  
h-index

84  
g-index

258  
ext. papers

11,642  
ext. citations

4.2  
avg, IF

6.65  
L-index

#	Paper	IF	Citations
244	The combination of organic and inorganic fertilizers influence the weed growth, productivity and soil fertility of monsoon rice.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262586	3.7	1
243	Response of Rice ( <i>Oryza sativa</i> L.) Cultivars to Variable Rate of Nitrogen under Wet Direct Seeding in Temperate Ecology. <i>Sustainability</i> , <b>2022</b> , 14, 638	3.6	0
242	Glycinebetaine mitigates tomato chilling stress by maintaining high-cyclic electron flow rate of photosystem I and stability of photosystem II.. <i>Plant Cell Reports</i> , <b>2022</b> , 1	5.1	0
241	Improvement in growth and yield attributes of cluster bean through optimization of sowing time and plant spacing under climate change scenario.. <i>Saudi Journal of Biological Sciences</i> , <b>2022</b> , 29, 781-792 <sup>4</sup>	4	4
240	Assessment of wheat productivity responses and soil health dynamics under brackish ground water.. <i>Saudi Journal of Biological Sciences</i> , <b>2022</b> , 29, 793-803	4	0
239	Enhancement of Lodging Resistance and Lignin Content by Application of Organic Carbon and Silicon Fertilization in L.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 807048	6.2	1
238	A Computational Study of the Role of Secondary Metabolites for Mitigation of Acid Soil Stress in Cereals Using Dehydroascorbate and Mono-Dehydroascorbate Reductases.. <i>Antioxidants</i> , <b>2022</b> , 11,	7.1	1
237	Field screening of diverse wheat germplasm for determining their adaptability to semi-arid climatic conditions.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0265344	3.7	3
236	Methyl Jasmonate Alleviated the Adverse Effects of Cadmium Stress in Pea (L.): A Nexus of Photosystem II Activity and Dynamics of Redox Balance.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 860664	6.2	1
235	Comparative Analysis of Rice and Weeds and Their Nutrient Partitioning under Various Establishment Methods and Weed Management Practices in Temperate Environment. <i>Agronomy</i> , <b>2022</b> , 12, 816	3.6	1
234	The network centered on ICEs play roles in plant cold tolerance, growth and development.. <i>Planta</i> , <b>2022</b> , 255, 81	4.7	0
233	Saline Toxicity and Antioxidant Response in <i>Oryza sativa</i> : An Updated Review <b>2022</b> , 79-102		0
232	Alterations of Oxidative Stress Indicators, Antioxidant Enzymes, Soluble Sugars, and Amino Acids in Mustard [ (L.) Czern and Coss.] in Response to Varying Sowing Time, and Field Temperature.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 875009	6.2	1
231	Interactive Effects of Molybdenum, Zinc and Iron on the Grain Yield, Quality, and Nodulation of Cowpea ( <i>Vigna unguiculata</i> (L.) Walp.) in North-Western India. <i>Molecules</i> , <b>2022</b> , 27, 3622	4.8	1
230	Morpho-physiological and biochemical attributes of Chili ( <i>Capsicum annum</i> L.) genotypes grown under varying salinity levels. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257893	3.7	2
229	Plant priming changes physiological properties and lignin content in <i>Miscanthus x giganteus</i> . <i>Industrial Crops and Products</i> , <b>2021</b> , 174, 114185	5.9	2
228	Does silicon really matter for the photosynthetic machinery in plants? <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 169, 40-48	5.4	7

227	Potential of Landsat 8 OLI for mapping and monitoring of soil salinity in an arid region: A case study in Dushak, Turkmenistan. <i>PLoS ONE</i> , <b>2021</b> , 16, e0259695	3.7	3
226	Titanium Application Increases Phosphorus Uptake Through Changes in Auxin Content and Root Architecture in Soybean (L.). <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 743618	6.2	4
225	Application of Nanomaterials to Ensure Quality and Nutritional Safety of Food. <i>Journal of Nanomaterials</i> , <b>2021</b> , 2021, 1-19	3.2	2
224	Melatonin Modulates Plant Tolerance to Heavy Metal Stress: Morphological Responses to Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	9
223	Kernel Water Relations and Kernel Filling Traits in Maize (L.) Are Influenced by Water-Deficit Condition in a Tropical Environment. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 717178	6.2	1
222	Defensive Impact of Foliar Applied Potassium Nitrate on Growth Linked with Improved Physiological and Antioxidative Activities in Sunflower ( <i>Helianthus annuus</i> L.) Hybrids Grown under Salinity Stress. <i>Agronomy</i> , <b>2021</b> , 11, 2076	3.6	2
221	Karrikins Reduce the Hypocotyl Length of Rapeseed ( <i>Brassica napus napus</i> L.) under Continuous Red Light. <i>Biology and Life Sciences Forum</i> , <b>2021</b> , 4, 19		
220	Physiological and molecular mechanisms of metal accumulation in hyperaccumulator plants. <i>Physiologia Plantarum</i> , <b>2021</b> , 173, 148-166	4.6	16
219	Selenium Alleviates the Adverse Effect of Drought in Oilseed Crops Camelina (L.) and Canola (L.). <i>Molecules</i> , <b>2021</b> , 26,	4.8	24
218	Progress in understanding salt stress response in plants using biotechnological tools. <i>Journal of Biotechnology</i> , <b>2021</b> , 329, 180-191	3.7	28
217	Diversity of Leaf Cuticular Transpiration and Growth Traits in Field-Grown Wheat and Aegilops Genetic Resources. <i>Agronomy</i> , <b>2021</b> , 11, 522	3.6	2
216	Fractionation of Heavy Metals in Multi-Contaminated Soil Treated with Biochar Using the Sequential Extraction Procedure. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	18
215	Assessing the Carboxymethylcellulose Copper-Montmorillonite Nanocomposite for Controlling the Infection of in Potato (L.). <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
214	Selection of Suitable Potato Genotypes for Late-Sown Heat Stress Conditions Based on Field Performance and Stress Tolerance Indices. <i>Sustainability</i> , <b>2021</b> , 13, 2770	3.6	2
213	Increased photosynthesis from a deep-shade to high-light regime occurs by enhanced CO diffusion into the leaf of <i>Selaginella martensii</i> . <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 160, 143-154	5.4	8
212	Optimal Nitrogen Supply Ameliorates the Performance of Wheat Seedlings under Osmotic Stress in Genotype-Specific Manner. <i>Plants</i> , <b>2021</b> , 10,	4.5	6
211	Chitosan-Selenium Nanoparticle (Cs-Se NP) Foliar Spray Alleviates Salt Stress in Bitter Melon. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	37
210	Brassinosteroid Signaling, Crosstalk and, Physiological Functions in Plants Under Heavy Metal Stress. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 608061	6.2	22

209	Downregulation of Zn-transporters along with Fe and redox imbalance causes growth and photosynthetic disturbance in Zn-deficient tomato. <i>Scientific Reports</i> , <b>2021</b> , 11, 6040	4.9	5
208	Extraction of Essential Oil from River Tea Tree ( <i>Melaleuca bracteata</i> F. Muell.): Antioxidant and Antimicrobial Properties. <i>Sustainability</i> , <b>2021</b> , 13, 4827	3.6	3
207	Magnetic Field Treatments Improves Sunflower Yield by Inducing Physiological and Biochemical Modulations in Seeds. <i>Molecules</i> , <b>2021</b> , 26,	4.8	10
206	Biofertilizer-Based Zinc Application Enhances Maize Growth, Gas Exchange Attributes, and Yield in Zinc-Deficient Soil. <i>Agriculture (Switzerland)</i> , <b>2021</b> , 11, 310	3	11
205	Commercial techniques for preserving date palm () fruit quality and safety: A review. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 4408-4420	4	6
204	Exogenous Sodium Nitroprusside Mitigates Salt Stress in Lentil ( Medik.) by Affecting the Growth, Yield, and Biochemical Properties. <i>Molecules</i> , <b>2021</b> , 26,	4.8	10
203	Physiological and biochemical responses of soybean plants inoculated with Arbuscular mycorrhizal fungi and Bradyrhizobium under drought stress. <i>BMC Plant Biology</i> , <b>2021</b> , 21, 195	5.3	39
202	Drought and Heat Stress in Cool-Season Food Legumes in Sub-Tropical Regions: Consequences, Adaptation, and Mitigation Strategies. <i>Plants</i> , <b>2021</b> , 10,	4.5	22
201	Lipoic Acid Combined with Melatonin Mitigates Oxidative Stress and Promotes Root Formation and Growth in Salt-Stressed Canola Seedlings ( L.). <i>Molecules</i> , <b>2021</b> , 26,	4.8	13
200	Growth performance of using billet method in Garhwal Himalaya, India. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 2709-2717	4	3
199	The Influence of Environmental Factors on Seed Germination of <i>Polygonum perfoliatum</i> L.: Implications for Management. <i>Agronomy</i> , <b>2021</b> , 11, 1123	3.6	4
198	Mapping Groundwater Potential for Irrigation, by Geographical Information System and Remote Sensing Techniques: A Case Study of District Lower Dir, Pakistan. <i>Atmosphere</i> , <b>2021</b> , 12, 669	2.7	4
197	Inoculation with <i>Bacillus amyloliquefaciens</i> and mycorrhiza confers tolerance to drought stress and improve seed yield and quality of soybean plant. <i>Physiologia Plantarum</i> , <b>2021</b> , 172, 2153-2169	4.6	24
196	CRISPR-Based Genome Editing Tools: Insights into Technological Breakthroughs and Future Challenges. <i>Genes</i> , <b>2021</b> , 12,	4.2	4
195	Ornamental Plant Efficiency for Heavy Metals Phytoextraction from Contaminated Soils Amended with Organic Materials. <i>Molecules</i> , <b>2021</b> , 26,	4.8	14
194	Kinetin mitigates Cd-induced damage to growth, photosynthesis and PS II photochemistry of <i>Trigonella</i> seedlings by up-regulating ascorbate-glutathione cycle. <i>PLoS ONE</i> , <b>2021</b> , 16, e0249230	3.7	8
193	Static magnetic field treatment enhanced photosynthetic performance in soybean under supplemental ultraviolet-B radiation. <i>Photosynthesis Research</i> , <b>2021</b> , 150, 263-278	3.7	8
192	Quantitative response of wheat to sowing dates and irrigation regimes using CERES-Wheat model. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 6198-6208	4	3

191	Electron and proton transport in wheat exposed to salt stress: is the increase of the thylakoid membrane proton conductivity responsible for decreasing the photosynthetic activity in sensitive genotypes?. <i>Photosynthesis Research</i> , <b>2021</b> , 150, 195-211	3.7	12
190	Zinc Biofortification in Food Crops Could Alleviate the Zinc Malnutrition in Human Health. <i>Molecules</i> , <b>2021</b> , 26,	4.8	16
189	Optimizing nitrogen supply promotes biomass, physiological characteristics and yield components of soybean ( L. ). <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 6209-6217	4	2
188	Identification for surrogate drought tolerance in maize inbred lines utilizing high-throughput phenomics approach. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254318	3.7	2
187	Photosynthesis research under climate change. <i>Photosynthesis Research</i> , <b>2021</b> , 150, 5-19	3.7	17
186	Salinity Stress in Wheat ( <i>Triticum aestivum</i> L.) in the Changing Climate: Adaptation and Management Strategies. <i>Frontiers in Agronomy</i> , <b>2021</b> , 3,	4	22
185	Foliar application of silicon improves stem strength under low light stress by regulating lignin biosynthesis genes in soybean ( <i>Glycine max</i> (L.) Merr.). <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123256	12.8	35
184	Exogenous abscisic acid and jasmonic acid restrain polyethylene glycol-induced drought by improving the growth and antioxidative enzyme activities in pearl millet. <i>Physiologia Plantarum</i> , <b>2021</b> , 172, 809-819	4.6	23
183	Foliar application of silicon improves growth of soybean by enhancing carbon metabolism under shading conditions. <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 159, 43-52	5.4	26
182	Phenotypic and Molecular Assessment of Wheat Genotypes Tolerant to Leaf Blight, Rust and Blast Diseases. <i>Phyton</i> , <b>2021</b> , 90, 1301-1320	2.1	3
181	The different patterns of post-heat stress responses in wheat genotypes: the role of the transthylakoid proton gradient in efficient recovery of leaf photosynthetic capacity. <i>Photosynthesis Research</i> , <b>2021</b> , 150, 179-193	3.7	8
180	Consequences and Mitigation Strategies of Abiotic Stresses in Wheat ( <i>Triticum aestivum</i> L.) under the Changing Climate. <i>Agronomy</i> , <b>2021</b> , 11, 241	3.6	45
179	Conservation Agriculture Improves Soil Health: Major Research Findings from Bangladesh <b>2021</b> , 511-561		
178	Plasticity of the Photosynthetic Energy Conversion and Accumulation of Metabolites in Plants in Response to Light Quality. <i>Advances in Photosynthesis and Respiration</i> , <b>2021</b> , 533-563	1.7	
177	Assessing the Potential of Polymer Coated Urea and Sulphur Fertilization on Growth, Physiology, Yield, Oil Contents and Nitrogen Use Efficiency of Sunflower Crop under Arid Environment. <i>Agronomy</i> , <b>2021</b> , 11, 269	3.6	10
176	Glycinebetaine mitigated the photoinhibition of photosystem II at high temperature in transgenic tomato plants. <i>Photosynthesis Research</i> , <b>2021</b> , 147, 301-315	3.7	12
175	COVID-19 Prophylaxis Efforts Based on Natural Antiviral Plant Extracts and Their Compounds. <i>Molecules</i> , <b>2021</b> , 26,	4.8	18
174	Spermine: Its Emerging Role in Regulating Drought Stress Responses in Plants. <i>Cells</i> , <b>2021</b> , 10,	7.9	32

173	Influence of Tillage Systems and Cereals-Legume Mixture on Fodder Yield, Quality and Net Returns under Rainfed Conditions. <i>Sustainability</i> , <b>2021</b> , 13, 2172	3.6	6
172	Zeolites Enhance Soil Health, Crop Productivity and Environmental Safety. <i>Agronomy</i> , <b>2021</b> , 11, 448	3.6	14
171	Selenium Biofortification: Roles, Mechanisms, Responses and Prospects. <i>Molecules</i> , <b>2021</b> , 26,	4.8	40
170	Intercropping as a Low Input Agricultural Strategy for Food and Environmental Security. <i>Agronomy</i> , <b>2021</b> , 11, 343	3.6	38
169	Arbuscular Mycorrhizal Fungi and Plant Growth-Promoting Rhizobacteria Enhance Soil Key Enzymes, Plant Growth, Seed Yield, and Qualitative Attributes of Guar. <i>Agriculture (Switzerland)</i> , <b>2021</b> , 11, 194	3	23
168	Integrated nitrogen management improves productivity and economic returns of wheat-maize cropping system. <i>Journal of King Saud University - Science</i> , <b>2021</b> , 33, 101475	3.6	6
167	Use of Synchrotron Phase-Sensitive Imaging for the Investigation of Magnetopriming and Solar UV-Exclusion Impact on Soybean () Leaves. <i>Cells</i> , <b>2021</b> , 10,	7.9	5
166	Effect of Ti treatments on growth, photosynthesis, phosphorus uptake and yield of soybean ( <i>Glycine max L.</i> ) in maize-soybean relay strip intercropping. <i>Environmental and Experimental Botany</i> , <b>2021</b> , 187, 104476	5.9	4
165	Citric Acid-Mediated Abiotic Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	17
164	The Effects of Photosensitizing Dyes Fagopyrin and Hypericin on Planktonic Growth and Multicellular Life in Budding Yeast. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
163	Melatonin reduces nanoplastic uptake, translocation, and toxicity in wheat. <i>Journal of Pineal Research</i> , <b>2021</b> , 71, e12761	10.4	6
162	Physiological and Phytochemical Responses of Lemon Balm ( <i>Melissa officinalis L.</i> ) to Pluramin Application and Inoculation with <i>Pseudomonas fluorescens</i> PF-135 under Water-Deficit Stress. <i>Russian Journal of Plant Physiology</i> , <b>2021</b> , 68, 909-922	1.6	0
161	Silver Nanoparticle's Toxicological Effects and Phytoremediation. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	9
160	Effect of Magnetopriming on Photosynthetic Performance of Plants. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
159	Crucial Cell Signaling Compounds Crosstalk and Integrative Multi-Omics Techniques for Salinity Stress Tolerance in Plants. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 670369	6.2	18
158	Glycinebetaine: a versatile protectant to improve rice performance against aluminium stress by regulating aluminium uptake and translocation. <i>Plant Cell Reports</i> , <b>2021</b> , 40, 2397-2407	5.1	1
157	Safety Profile, In Vitro Anti-Inflammatory Activity, and In Vivo Antiulcerogenic Potential of Root Barks from Pers. ( <i>Annonaceae</i> ). <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2021</b> , 2021, 4441375	2.3	5
156	Progressive Genomic Approaches to Explore Drought- and Salt-Induced Oxidative Stress Responses in Plants under Changing Climate. <i>Plants</i> , <b>2021</b> , 10,	4.5	4

155	Assessing the Adaptive Mechanisms of Two Bread Wheat ( <i>Triticum aestivum</i> L.) Genotypes to Salinity Stress. <i>Agronomy</i> , <b>2021</b> , 11, 1979	3.6	0
154	Agronomical traits associated with yield and yield components of winter wheat as affected by nitrogen managements. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 4852-4858	4	4
153	Prospects of Nanotechnology in Improving the Productivity and Quality of Horticultural Crops. <i>Horticulturae</i> , <b>2021</b> , 7, 332	2.5	16
152	Effects of Elevated Atmospheric CO <sub>2</sub> Concentration on <i>Phragmites australis</i> and Wastewater Treatment Efficiency in Constructed Wetlands. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 2500	3	0
151	Grain yield and correlated traits of bread wheat lines: Implications for yield improvement. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 5714-5719	4	2
150	Effects of silicon on heavy metal uptake at the soil-plant interphase: A review. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 222, 112510	7	27
149	Genetic engineering of glycinebetaine synthesis enhances cadmium tolerance in BADH-transgenic tobacco plants via reducing cadmium uptake and alleviating cadmium stress damage. <i>Environmental and Experimental Botany</i> , <b>2021</b> , 191, 104602	5.9	7
148	Arsenic transport and interaction with plant metabolism: Clues for improving agricultural productivity and food safety. <i>Environmental Pollution</i> , <b>2021</b> , 290, 117987	9.3	16
147	Comparison of photosynthetic activity and heat tolerance between near isogenic lines of wheat with different photosynthetic rates.. <i>PLoS ONE</i> , <b>2021</b> , 16, e0255896	3.7	0
146	Physiochemical Changes of Mung Bean [ <i>Vigna radiata</i> (L.) R. Wilczek] in Responses to Varying Irrigation Regimes. <i>Horticulturae</i> , <b>2021</b> , 7, 565	2.5	1
145	Potential Role of Plant Growth Regulators in Administering Crucial Processes Against Abiotic Stresses. <i>Frontiers in Agronomy</i> , <b>2021</b> , 3,	4	12
144	Adaptation Strategies to Improve the Resistance of Oilseed Crops to Heat Stress Under a Changing Climate: An Overview.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 767150	6.2	1
143	Effect of sodium nitroprusside on physiological and anatomical features of salt-stressed <i>Raphanus sativus</i> . <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 169, 160-170	5.4	1
142	Bioinoculants-Natural Biological Resources for Sustainable Plant Production.. <i>Microorganisms</i> , <b>2021</b> , 10,	4.9	10
141	Integrated Application of Thiourea and Biochar Improves Maize Growth, Antioxidant Activity and Reduces Cadmium Bioavailability in Cadmium-Contaminated Soil.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 809322	6.2	2
140	Supplementing Nitrogen in Combination with Rhizobium Inoculation and Soil Mulch in Peanut ( <i>Arachis hypogaea</i> L.) Production System: Part I. Effects on Productivity, Soil Moisture, and Nutrient Dynamics. <i>Agronomy</i> , <b>2020</b> , 10, 1582	3.6	6
139	Nutrients Supplementation through Organic Manures Influence the Growth of Weeds and Maize Productivity. <i>Molecules</i> , <b>2020</b> , 25,	4.8	11
138	Acclimation strategy and plasticity of different soybean genotypes in intercropping. <i>Functional Plant Biology</i> , <b>2020</b> , 47, 592-610	2.7	17



137	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> , <b>2020</b> , 10, 8592	4.9	10
136	Exogenous salicylic acid and hydrogen peroxide attenuate drought stress in rice. <i>Plant, Soil and Environment</i> , <b>2020</b> , 66, 7-13	2.2	78
135	Chlorophyll-depleted wheat mutants are disturbed in photosynthetic electron flow regulation but can retain an acclimation ability to a fluctuating light regime. <i>Environmental and Experimental Botany</i> , <b>2020</b> , 178, 104156	5.9	19
134	Assessment of hyperspectral indicators related to the content of phenolic compounds and multispectral fluorescence records in chicory leaves exposed to various light environments. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 154, 429-438	5.4	12
133	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from L. Leaves. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	14
132	Effect of Wastewater Irrigation on Photosynthesis, Growth, and Anatomical Features of Two Wheat Cultivars ( <i>Triticum aestivum</i> L.). <i>Water (Switzerland)</i> , <b>2020</b> , 12, 607	3	17
131	Effects of lignin, cellulose, hemicellulose, sucrose and monosaccharide carbohydrates on soybean physical stem strength and yield in intercropping. <i>Photochemical and Photobiological Sciences</i> , <b>2020</b> , 19, 462-472	4.2	24
130	The Role of Salicylic Acid in Plants Exposed to Heavy Metals. <i>Molecules</i> , <b>2020</b> , 25,	4.8	101
129	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> , <b>2020</b> , 100-101, 7-16	5	30
128	Comparing Salt Tolerance at Seedling and Germination Stages in Local Populations of L. to L. and L. <i>Plants</i> , <b>2020</b> , 9,	4.5	17
127	Special issue in honour of Prof. Reto J. Strasser - Chlorophyll a fluorescence parameters as indicators of a particular abiotic stress in rice. <i>Photosynthetica</i> , <b>2020</b> , 58, 293-300	2.2	39
126	Special issue in honour of Prof. Reto J. Strasser - JIP-test as a tool to identify salinity tolerance in sweet sorghum genotypes. <i>Photosynthetica</i> , <b>2020</b> , 58, 518-528	2.2	26
125	Special issue in honour of Prof. Reto J. Strasser - Environmental pollution is reflected in the activity of the photosynthetic apparatus. <i>Photosynthetica</i> , <b>2020</b> , 58, 529-539	2.2	9
124	Performance of <i>Medicago sativa</i> Grown in Clay Soil Favored by Compost or Farmyard Manure to Mitigate Salt Stress. <i>Agronomy</i> , <b>2020</b> , 10, 94	3.6	7
123	Genetic Diversity of Selected Rice Genotypes under Water Stress Conditions. <i>Plants</i> , <b>2020</b> , 10,	4.5	12
122	New Approaches for Improving Salt Stress Tolerance in Rice <b>2020</b> , 247-268		3
121	Identification of non-alkaloid natural compounds of ( <i>Avicennia</i> ) Gilli. ( <i>Apiaceae</i> ) with cholinesterase and carbonic anhydrase inhibition potential. <i>Saudi Pharmaceutical Journal</i> , <b>2020</b> , 28, 1-14	4.4	20
120	Plasticity of photosynthetic processes and the accumulation of secondary metabolites in plants in response to monochromatic light environments: A review. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2020</b> , 1861, 148131	4.6	47



119	Supplementing Nitrogen in Combination with Rhizobium Inoculation and Soil Mulch in Peanut ( <i>Arachis hypogaea</i> L.) Production System: Part II. Effect on Phenology, Growth, Yield Attributes, Pod Quality, Profitability and Nitrogen Use Efficiency. <i>Agronomy</i> , <b>2020</b> , 10, 1513	3.6	21
118	Screening of Salt-Tolerant Rice Landraces by Seedling Stage Phenotyping and Dissecting Biochemical Determinants of Tolerance Mechanism. <i>Journal of Plant Growth Regulation</i> , <b>2020</b> , 40, 1853	4.7	28
117	Amelioration of salt induced toxicity in pearl millet by seed priming with silver nanoparticles (AgNPs): The oxidative damage, antioxidant enzymes and ions uptake are major determinants of salt tolerant capacity. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 156, 221-232	5.4	81
116	Reduces Cadmium Accumulation and Improves Growth and Antioxidant Defense System in Two Wheat (L.) Varieties. <i>Plants</i> , <b>2020</b> , 9,	4.5	26
115	Resistance of <i>Fritillaria imperialis</i> to freezing stress through gene expression, osmotic adjustment and antioxidants. <i>Scientific Reports</i> , <b>2020</b> , 10, 10427	4.9	16
114	Nitrogen assimilation and photosynthetic capacity of wheat genotypes under optimal and deficient nitrogen supply. <i>Physiology and Molecular Biology of Plants</i> , <b>2020</b> , 26, 2139-2149	2.8	5
113	Management of Crop Residues for Improving Input Use Efficiency and Agricultural Sustainability. <i>Sustainability</i> , <b>2020</b> , 12, 9808	3.6	26
112	Cross-talk between nitric oxide, hydrogen peroxide and calcium in salt-stressed <i>Chenopodium quinoa</i> Willd. At seed germination stage. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 154, 657-664	5.4	37
111	Chlorophyll Fluorescence Kinetics May Be Useful to Identify Early Drought and Irrigation Effects on Photosynthetic Apparatus in Field-Grown Wheat. <i>Agronomy</i> , <b>2020</b> , 10, 1275	3.6	8
110	Yield Response, Nutritional Quality and Water Productivity of Tomato ( <i>Solanum lycopersicum</i> L.) are Influenced by Drip Irrigation and Straw Mulch in the Coastal Saline Ecosystem of Ganges Delta, India. <i>Sustainability</i> , <b>2020</b> , 12, 6779	3.6	6
109	Integrated Weed and Nutrient Management Improve Yield, Nutrient Uptake and Economics of Maize in the Rice-Maize Cropping System of Eastern India. <i>Agronomy</i> , <b>2020</b> , 10, 1906	3.6	9
108	The Therapeutic Potential of the Labdane Diterpenoid Forskolin. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4089	2.6	9
107	Exploration of Chlorophyll Fluorescence and Plant Gas Exchange Parameters as Indicators of Drought Tolerance in Perennial Ryegrass. <i>Sensors</i> , <b>2019</b> , 19,	3.8	51
106	Precultivation of young seedlings under different color shades modifies the accumulation of phenolic compounds in <i>Cichorium</i> leaves in later growth phases. <i>Environmental and Experimental Botany</i> , <b>2019</b> , 165, 30-38	5.9	14
105	Evaluation of Hyperspectral Reflectance Parameters to Assess the Leaf Water Content in Soybean. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 443	3	28
104	Shade effect on carbohydrates dynamics and stem strength of soybean genotypes. <i>Environmental and Experimental Botany</i> , <b>2019</b> , 162, 374-382	5.9	34
103	Accumulation of amino acids and flavonoids in hairy root cultures of common buckwheat (). <i>Physiology and Molecular Biology of Plants</i> , <b>2019</b> , 25, 787-797	2.8	7
102	Phenotyping of isogenic chlorophyll-less bread and durum wheat mutant lines in relation to photoprotection and photosynthetic capacity. <i>Photosynthesis Research</i> , <b>2019</b> , 139, 239-251	3.7	18

101	Transient Heat Waves May Affect the Photosynthetic Capacity of Susceptible Wheat Genotypes Due to Insufficient Photosystem I Photoprotection. <i>Plants</i> , <b>2019</b> , 8,	4.5	32
100	Drought Tolerance of Soybean ( L. Merr.) by Improved Photosynthetic Characteristics and an Efficient Antioxidant Enzyme Activities Under a Split-Root System. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 786	4.6	54
99	Isolation of Phytochemicals from L. Bark and Their In Vitro Antioxidant and Cytotoxic Potential. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	10
98	Phytotoxic effect of silver nanoparticles in Triticum aestivum: Improper regulation of photosystem I activity as the reason for oxidative damage in the chloroplast. <i>Photosynthetica</i> , <b>2019</b> , 57, 209-216	2.2	67
97	Potential of Karrikins as Novel Plant Growth Regulators in Agriculture. <i>Plants</i> , <b>2019</b> , 9,	4.5	13
96	Molecular Docking Studies of Coumarins Isolated from Extracts and Essential Oils of Link as Potential Inhibitors for Alzheimer's Disease. <i>Molecules</i> , <b>2019</b> , 24,	4.8	27
95	Application of silicon nanoparticles in agriculture. <i>3 Biotech</i> , <b>2019</b> , 9, 90	2.8	187
94	Exploiting the Allelopathic Potential of Aqueous Leaf Extracts of and against , a Widespread Weed in India. <i>Plants</i> , <b>2019</b> , 8,	4.5	11
93	Differential Response of Sugar Beet to Long-Term Mild to Severe Salinity in a SoilPot Culture. <i>Agriculture (Switzerland)</i> , <b>2019</b> , 9, 223	3	43
92	Changes in morphology, chlorophyll fluorescence performance and Rubisco activity of soybean in response to foliar application of ionic titanium under normal light and shade environment. <i>Science of the Total Environment</i> , <b>2019</b> , 658, 626-637	10.2	57
91	Phytohormone Priming: Regulator for Heavy Metal Stress in Plants. <i>Journal of Plant Growth Regulation</i> , <b>2019</b> , 38, 739-752	4.7	146
90	Role of Nanoparticles on Photosynthesis <b>2019</b> , 103-127		17
89	Genetic Engineering of the Biosynthesis of Glycine Betaine Modulates Phosphate Homeostasis by Regulating Phosphate Acquisition in Tomato. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1995	6.2	31
88	Comparative analysis of bioactive phenolic compounds composition from 26 medicinal plants. <i>Saudi Journal of Biological Sciences</i> , <b>2018</b> , 25, 631-641	4	85
87	Strategies to Mitigate the Salt Stress Effects on Photosynthetic Apparatus and Productivity of Crop Plants <b>2018</b> , 85-136		27
86	Wheat plant selection for high yields entailed improvement of leaf anatomical and biochemical traits including tolerance to non-optimal temperature conditions. <i>Photosynthesis Research</i> , <b>2018</b> , 136, 245-255	3.7	70
85	Altitude of origin influences the responses of PSII photochemistry to heat waves in European beech (Fagus sylvatica L.). <i>Environmental and Experimental Botany</i> , <b>2018</b> , 152, 97-106	5.9	48
84	Clay Soil: A Good Conditioner for Amended Alfalfa with Different Organic Amendments Under Saline Irrigation Production. <i>Advances in Science, Technology and Innovation</i> , <b>2018</b> , 285-286	0.3	1

83	Prompt chlorophyll fluorescence as a tool for crop phenotyping: an example of barley landraces exposed to various abiotic stress factors. <i>Photosynthetica</i> , <b>2018</b> , 56, 953-961	2.2	119
82	Perspectives in High-Throughput Phenotyping of Qualitative Traits at the Whole-Plant Level <b>2018</b> , 213-243		1
81	Alfalfa crops amended with MSW compost can compensate the effect of salty water irrigation depending on the soil texture. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 115, 8-16	5.5	14
80	Bioactive Compounds and Their Biofunctional Properties of Different Buckwheat Germplasm for Food Processing <b>2018</b> , 191-204		3
79	The Involvement of Different Secondary Metabolites in Salinity Tolerance of Crops <b>2018</b> , 21-48		12
78	Anthocyanins of Coloured Wheat Genotypes in Specific Response to SalStress. <i>Molecules</i> , <b>2018</b> , 23,	4.8	31
77	Relationships between leaf morpho-anatomy, water status and cell membrane stability in leaves of wheat seedlings subjected to severe soil drought. <i>Journal of Agronomy and Crop Science</i> , <b>2018</b> , 204, 219-227	3.9	34
76	Melatonin alleviates low PS I-limited carbon assimilation under elevated CO and enhances the cold tolerance of offspring in chlorophyll b-deficient mutant wheat. <i>Journal of Pineal Research</i> , <b>2018</b> , 64, e12453	10.4	77
75	Comparison on Photosynthesis and Antioxidant Defense Systems in Wheat with Different Ploidy Levels and Octoploid Triticale. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	18
74	Bioactive Phytochemicals and Antioxidant Properties of the Grains and Sprouts of Colored Wheat Genotypes. <i>Molecules</i> , <b>2018</b> , 23,	4.8	30
73	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> , <b>2018</b> , 122, 119-132	5.9	51
72	Shift in accumulation of flavonoids and phenolic acids in lettuce attributable to changes in ultraviolet radiation and temperature. <i>Scientia Horticulturae</i> , <b>2018</b> , 239, 193-204	4.1	46
71	Vineyard Compost Supplemented with <i>Trichoderma Harzianum</i> T78 Improve Saline Soil Quality. <i>Land Degradation and Development</i> , <b>2017</b> , 28, 1028-1037	4.4	42
70	Biophysical Phenotyping as an Essential Tool for Understanding Host-Microbe Interaction <b>2017</b> , 65-80		3
69	Photosynthetic Responses Under Harmful and Changing Environment: Practical Aspects in Crop Research <b>2017</b> , 203-248		4
68	Lettuce flavonoids screening and phenotyping by chlorophyll fluorescence excitation ratio. <i>Planta</i> , <b>2017</b> , 245, 1215-1229	4.7	35
67	A comparison between different chlorophyll content meters under nutrient deficiency conditions. <i>Journal of Plant Nutrition</i> , <b>2017</b> , 40, 1024-1034	2.3	53
66	Mechanisms of inhibitory effects of polycyclic aromatic hydrocarbons in photosynthetic primary processes in pea leaves and thylakoid preparations. <i>Plant Biology</i> , <b>2017</b> , 19, 683-688	3.7	32

65	Frequently asked questions about chlorophyll fluorescence, the sequel. <i>Photosynthesis Research</i> , <b>2017</b> , 132, 13-66	3.7	268
64	Applying hyperspectral imaging to explore natural plant diversity towards improving salt stress tolerance. <i>Science of the Total Environment</i> , <b>2017</b> , 578, 90-99	10.2	62
63	Impact of Metal and Metal Oxide Nanoparticles on Plant: A Critical Review. <i>Frontiers in Chemistry</i> , <b>2017</b> , 5, 78	5	332
62	Chlorophyll Fluorescence, Understanding Crop Performance <b>2017</b> ,		31
61	Nondestructive detection and biochemical quantification of buckwheat leaves using visible (VIS) and near-infrared (NIR) hyperspectral reflectance imaging. <i>Journal of Central European Agriculture</i> , <b>2017</b> , 18, 864-878	1.3	8
60	Phosphorus release from the soils in the Yellow River Delta: dynamic factors and implications for eco-restoration. <i>Plant, Soil and Environment</i> , <b>2016</b> , 61, 339-343	2.2	3
59	Accumulation capacity of ions in cabbage ( <i>Brassica oleracea</i> L.) supplied with sea water'. <i>Plant, Soil and Environment</i> , <b>2016</b> , 62, 314-320	2.2	36
58	Noninvasive Methods to Support Metabolomic Studies Targeted at Plant Phenolics for Food and Medicinal Use <b>2016</b> , 407-443		3
57	Improved Salinity Tolerance by Phosphorus Fertilizer in Two <i>Phaseolus vulgaris</i> Recombinant Inbred Lines Contrasting in Their P-Efficiency. <i>Journal of Agronomy and Crop Science</i> , <b>2016</b> , 202, 497-507	3.9	58
56	Osmotic Adjustment and Plant Adaptation to Drought Stress <b>2016</b> , 105-143		19
55	Plants Used for Biomonitoring and Phytoremediation of Trace Elements in Soil and Water <b>2016</b> , 361-384		16
54	Risk Assessment of Urban Lake Water Quality Based on in-situ Cyanobacterial and Total Chlorophyll-a Monitoring. <i>Polish Journal of Environmental Studies</i> , <b>2016</b> , 25, 655-661	2.3	10
53	The Contribution of Buckwheat Genetic Resources to Health and Dietary Diversity. <i>Current Genomics</i> , <b>2016</b> , 17, 193-206	2.6	33
52	The effect of growth conditions on flavonols and anthocyanins accumulation in green and red lettuce. <i>Journal of Central European Agriculture</i> , <b>2016</b> , 17, 986-997	1.3	9
51	Photosynthetic responses of sun- and shade-grown chlorophyll b deficient mutant of wheat. <i>Journal of Central European Agriculture</i> , <b>2016</b> , 17, 950-956	1.3	5
50	Genotypically Identifying Wheat Mesophyll Conductance Regulation under Progressive Drought Stress. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1111	6.2	20
49	High temperature specifically affects the photoprotective responses of chlorophyll b-deficient wheat mutant lines. <i>Photosynthesis Research</i> , <b>2016</b> , 130, 251-266	3.7	127
48	Chlorophyll a fluorescence as a tool to monitor physiological status of plants under abiotic stress conditions. <i>Acta Physiologiae Plantarum</i> , <b>2016</b> , 38, 1	2.6	544

47	Repetitive light pulse-induced photoinhibition of photosystem I severely affects CO <sub>2</sub> assimilation and photoprotection in wheat leaves. <i>Photosynthesis Research</i> , <b>2015</b> , 126, 449-63	3.7	144
46	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> , <b>2015</b> , 27, 75-85	2.4	3
45	Effect of photosystem I inactivation on chlorophyll a fluorescence induction in wheat leaves: Does activity of photosystem I play any role in OJIP rise?. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2015</b> , 152, 318-24	6.7	53
44	Global plant-responding mechanisms to salt stress: physiological and molecular levels and implications in biotechnology. <i>Critical Reviews in Biotechnology</i> , <b>2015</b> , 35, 425-37	9.4	175
43	Antidiarrheal and antimicrobial profiles extracts of the leaves from <i>Trichilia emetica</i> Vahl. (Meliaceae). <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2015</b> , 5, 242-248	1.4	21
42	Application of impedance spectroscopy and conductometry for assessment of varietal differences in wheat. <i>Cereal Research Communications</i> , <b>2015</b> , 43, 579-590	1.1	0
41	Environment-Living Organisms Interactions from Physiology to Genomics. <i>International Journal of Genomics</i> , <b>2015</b> , 2015, 270736	2.5	1
40	The application of multiplex fluorimetric sensor for the analysis of flavonoids content in the medicinal herbs family Asteraceae, Lamiaceae, Rosaceae. <i>Biological Research</i> , <b>2015</b> , 48, 5	7.6	19
39	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> , <b>2015</b> , 125, 151-66	3.7	139
38	A Novel Soybean Intrinsic Protein Gene, GmTIP2;3, Involved in Responding to Osmotic Stress. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 1237	6.2	38
37	Photosynthetic responses of sun- and shade-grown barley leaves to high light: is the lower PSII connectivity in shade leaves associated with protection against excess of light?. <i>Photosynthesis Research</i> , <b>2014</b> , 119, 339-54	3.7	166
36	Fungal growth promotor endophytes: a pragmatic approach towards sustainable food and agriculture. <i>Symbiosis</i> , <b>2014</b> , 62, 63-79	3	86
35	Identification of nutrient deficiency in maize and tomato plants by in vivo chlorophyll a fluorescence measurements. <i>Plant Physiology and Biochemistry</i> , <b>2014</b> , 81, 16-25	5.4	246
34	Reduced glutamine synthetase activity plays a role in control of photosynthetic responses to high light in barley leaves. <i>Plant Physiology and Biochemistry</i> , <b>2014</b> , 81, 74-83	5.4	51
33	Heat Signaling and Stress Responses in Photosynthesis <b>2014</b> , 241-256		10
32	Frequently asked questions about in vivo chlorophyll fluorescence: practical issues. <i>Photosynthesis Research</i> , <b>2014</b> , 122, 121-58	3.7	435
31	The Use of Chlorophyll Fluorescence Kinetics Analysis to Study the Performance of Photosynthetic Machinery in Plants <b>2014</b> , 347-384		20
30	Nano-CuO stress induced modulation of antioxidative defense and photosynthetic performance of Syrian barley ( <i>Hordeum vulgare</i> L.). <i>Environmental and Experimental Botany</i> , <b>2014</b> , 102, 37-47	5.9	166

29	Application of chlorophyll fluorescence performance indices to assess the wheat photosynthetic functions influenced by nitrogen deficiency. <i>Plant, Soil and Environment</i> , <b>2014</b> , 60, 210-215	2.2	89
28	Plant abio-stress and bioresources utilization for sustainable development. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 163123	2.2	
27	Free Radicals Scavenging Capacity, Antidiabetic and Antihypertensive Activities of Flavonoid-Rich Fractions from Leaves of <i>Trichilia emetica</i> and <i>Opilia amentacea</i> in an Animal Model of Type 2 Diabetes Mellitus. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 867075	2.3	19
26	The Alleviative Effects of Salicylic Acid on the Activities of Catalase and Superoxide Dismutase in Malting Barley ( <i>Hordeum uhulgare</i> L.) Seedling Leaves Stressed by Heavy Metals. <i>Clean - Soil, Air, Water</i> , <b>2014</b> , 42, 88-97	1.6	64
25	Spatio-temporal variation of rhizosphere soil microbial abundance and enzyme activities under different vegetation types in the coastal zone, Shandong, China. <i>Plant Biosystems</i> , <b>2014</b> , 148, 403-409	1.6	19
24	Photosynthetic proton and electron transport in wheat leaves under prolonged moderate drought stress. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2014</b> , 137, 107-15	6.7	107
23	Measurements of chlorophyll fluorescence in different leaf positions may detect nitrogen deficiency in wheat. <i>Zemdirbyste</i> , <b>2014</b> , 101, 437-444	1.1	37
22	Photosynthetic electron transport and specific photoprotective responses in wheat leaves under drought stress. <i>Photosynthesis Research</i> , <b>2013</b> , 117, 529-46	3.7	205
21	Anti-nociceptive properties in rodents and the possibility of using polyphenol-rich fractions from <i>sida urens</i> L. (Malvaceae) against of dental caries bacteria. <i>Annals of Clinical Microbiology and Antimicrobials</i> , <b>2013</b> , 12, 14	6.2	8
20	Physiological adaptive mechanisms of plants grown in saline soil and implications for sustainable saline agriculture in coastal zone. <i>Acta Physiologiae Plantarum</i> , <b>2013</b> , 35, 2867-2878	2.6	118
19	Possible ways of fagopyrin biosynthesis and production in buckwheat plants. <i>Phytotherapy</i> , <b>2013</b> , 84, 72-9	3.2	9
18	PSII Fluorescence Techniques for Measurement of Drought and High Temperature Stress Signal in Crop Plants: Protocols and Applications <b>2013</b> , 87-131		107
17	Foliar Applied Nickel on Buckwheat ( <i>Fagopyrum esculentum</i> ) Induced Phenolic Compounds as Potential Antioxidants. <i>Clean - Soil, Air, Water</i> , <b>2013</b> , 41, 1129-1137	1.6	23
16	Critical Temperature Derived from the Selected Chlorophyll a Fluorescence Parameters of Indigenous Vegetable Species of South Africa Treated with High Temperature. <i>Advanced Topics in Science and Technology in China</i> , <b>2013</b> , 628-632	0.2	2
15	Dissection of photosynthetic electron transport process in sweet sorghum under heat stress. <i>PLoS ONE</i> , <b>2013</b> , 8, e62100	3.7	87
14	Involvement of Chlorophyll a Fluorescence Analyses for Identification of Sensitiveness of the Photosynthetic Apparatus to High Temperature in Selected Wheat Genotypes. <i>Advanced Topics in Science and Technology in China</i> , <b>2013</b> , 510-513	0.2	7
13	Photosystem II thermostability in situ: environmentally induced acclimation and genotype-specific reactions in <i>Triticum aestivum</i> L. <i>Plant Physiology and Biochemistry</i> , <b>2012</b> , 57, 93-105	5.4	152
12	Photosynthesis is improved by exogenous calcium in heat-stressed tobacco plants. <i>Journal of Plant Physiology</i> , <b>2011</b> , 168, 2063-71	3.6	149



11	Chlorophyll a fluorescence determines the drought resistance capabilities in two varieties of mycorrhized and non-mycorrhized Glycine max Linn. <i>African Journal of Microbiology Research</i> , <b>2011</b> , 5,	0.5	28
10	Leaf growth under temperature and light control. <i>Plant, Soil and Environment</i> , <b>2009</b> , 55, 551-557	2.2	13
9	Performance index as a sensitive indicator of water stress in Triticum aestivum L.. <i>Plant, Soil and Environment</i> , <b>2008</b> , 54, 133-139	2.2	157
8	Application of Photosynthetic Parameters in the Screening of Wheat (Triticum aestivum L.) Genotypes for Improved Drought and High Temperature Tolerance <b>2008</b> , 1247-1250		11
7	Functional Study of PS II and PS I Energy Use and Dissipation Mechanisms in Barley Wild Type and Chlorina Mutants Under High Light Conditions <b>2008</b> , 1407-1411		6
6	Does photorespiration protect the photosynthetic apparatus in french bean leaves from photoinhibition during drought stress?. <i>Planta</i> , <b>1995</b> , 196, 450	4.7	105
5	Green synthesis of carbon-based nanomaterials and their applications in various sectors: a topical review. <i>Carbon Letters</i> ,1	2.3	3
4	Agronomic bio-fortification of iron, zinc and selenium enhance growth, quality and uptake of different sorghum accessions ´. <i>Plant, Soil and Environment</i> ,	2.2	4
3	Maize Adaptability to Heat Stress under Changing Climate		3
2	Plant Growth-Promoting Rhizobacteria-Mediated Adaptive Responses of Plants Under Salinity Stress. <i>Journal of Plant Growth Regulation</i> ,1	4.7	1
1	Phytohormones as Growth Regulators During Abiotic Stress Tolerance in Plants. <i>Frontiers in Agronomy</i> ,4,	4	10