

Marian Brestic

List of Publications by Citations

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

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	Chlorophyll a fluorescence as a tool to monitor physiological status of plants under abiotic stress conditions. <i>Acta Physiologiae Plantarum</i> , 2016 , 38, 1	2.6	544
243	Frequently asked questions about in vivo chlorophyll fluorescence: practical issues. <i>Photosynthesis Research</i> , 2014 , 122, 121-58	3.7	435
242	Impact of Metal and Metal Oxide Nanoparticles on Plant: A Critical Review. <i>Frontiers in Chemistry</i> , 2017 , 5, 78	5	332
241	Frequently asked questions about chlorophyll fluorescence, the sequel. <i>Photosynthesis Research</i> , 2017 , 132, 13-66	3.7	268
240	Identification of nutrient deficiency in maize and tomato plants by in vivo chlorophyll a fluorescence measurements. <i>Plant Physiology and Biochemistry</i> , 2014 , 81, 16-25	5.4	246
239	Photosynthetic electron transport and specific photoprotective responses in wheat leaves under drought stress. <i>Photosynthesis Research</i> , 2013 , 117, 529-46	3.7	205
238	Application of silicon nanoparticles in agriculture. <i>3 Biotech</i> , 2019 , 9, 90	2.8	187
237	Global plant-responding mechanisms to salt stress: physiological and molecular levels and implications in biotechnology. <i>Critical Reviews in Biotechnology</i> , 2015 , 35, 425-37	9.4	175
236	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> , 2014 , 119, 339-54	3.7	166
235	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> , 2014 , 102, 37-47	5.9	166
234	Performance index as a sensitive indicator of water stress in <i>Triticum aestivum</i> L.. <i>Plant, Soil and Environment</i> , 2008 , 54, 133-139	2.2	157
233	Photosystem II thermostability in situ: environmentally induced acclimation and genotype-specific reactions in <i>Triticum aestivum</i> L. <i>Plant Physiology and Biochemistry</i> , 2012 , 57, 93-105	5.4	152
232	Photosynthesis is improved by exogenous calcium in heat-stressed tobacco plants. <i>Journal of Plant Physiology</i> , 2011 , 168, 2063-71	3.6	149
231	Phytohormone Priming: Regulator for Heavy Metal Stress in Plants. <i>Journal of Plant Growth Regulation</i> , 2019 , 38, 739-752	4.7	146
230	Repetitive light pulse-induced photoinhibition of photosystem I severely affects CO ₂ assimilation and photoprotection in wheat leaves. <i>Photosynthesis Research</i> , 2015 , 126, 449-63	3.7	144
229	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, 151-66	3.7	139
228	High temperature specifically affects the photoprotective responses of chlorophyll b-deficient wheat mutant lines. <i>Photosynthesis Research</i> , 2016 , 130, 251-266	3.7	127

227	Prompt chlorophyll fluorescence as a tool for crop phenotyping: an example of barley landraces exposed to various abiotic stress factors. <i>Photosynthetica</i> , 2018 , 56, 953-961	2.2	119
226	Physiological adaptive mechanisms of plants grown in saline soil and implications for sustainable saline agriculture in coastal zone. <i>Acta Physiologiae Plantarum</i> , 2013 , 35, 2867-2878	2.6	118
225	PSII Fluorescence Techniques for Measurement of Drought and High Temperature Stress Signal in Crop Plants: Protocols and Applications 2013 , 87-131		107
224	Photosynthetic proton and electron transport in wheat leaves under prolonged moderate drought stress. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 137, 107-15	6.7	107
223	Does photorespiration protect the photosynthetic apparatus in french bean leaves from photoinhibition during drought stress?. <i>Planta</i> , 1995 , 196, 450	4.7	105
222	The Role of Salicylic Acid in Plants Exposed to Heavy Metals. <i>Molecules</i> , 2020 , 25,	4.8	101
221	Application of chlorophyll fluorescence performance indices to assess the wheat photosynthetic functions influenced by nitrogen deficiency. <i>Plant, Soil and Environment</i> , 2014 , 60, 210-215	2.2	89
220	Dissection of photosynthetic electron transport process in sweet sorghum under heat stress. <i>PLoS ONE</i> , 2013 , 8, e62100	3.7	87
219	Fungal growth promotor endophytes: a pragmatic approach towards sustainable food and agriculture. <i>Symbiosis</i> , 2014 , 62, 63-79	3	86
218	Comparative analysis of bioactive phenolic compounds composition from 26 medicinal plants. <i>Saudi Journal of Biological Sciences</i> , 2018 , 25, 631-641	4	85
217	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> , 2020 , 156, 221-232	5.4	81
216	Exogenous salicylic acid and hydrogen peroxide attenuate drought stress in rice. <i>Plant, Soil and Environment</i> , 2020 , 66, 7-13	2.2	78
215	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> , 2018 , 64, e124534	10.4	77
214	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> , 2018 , 136, 245-255	3.7	70
213	Phytotoxic effect of silver nanoparticles in <i>Triticum aestivum</i> : Improper regulation of photosystem I activity as the reason for oxidative damage in the chloroplast. <i>Photosynthetica</i> , 2019 , 57, 209-216	2.2	67
212	The Alleviative Effects of Salicylic Acid on the Activities of Catalase and Superoxide Dismutase in Malting Barley (<i>Hordeum vulgare</i> L.) Seedling Leaves Stressed by Heavy Metals. <i>Clean - Soil, Air, Water</i> , 2014 , 42, 88-97	1.6	64
211	Applying hyperspectral imaging to explore natural plant diversity towards improving salt stress tolerance. <i>Science of the Total Environment</i> , 2017 , 578, 90-99	10.2	62
210	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> , 2016 , 202, 497-507	3.9	58

209	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> , 2019 , 658, 626-637	10.2	57
208	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> , 2019 , 10, 786	4.6	54
207	A comparison between different chlorophyll content meters under nutrient deficiency conditions. <i>Journal of Plant Nutrition</i> , 2017 , 40, 1024-1034	2.3	53
206	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> , 2015 , 152, 318-24	6.7	53
205	Exploration of Chlorophyll Fluorescence and Plant Gas Exchange Parameters as Indicators of Drought Tolerance in Perennial Ryegrass. <i>Sensors</i> , 2019 , 19,	3.8	51
204	Reduced glutamine synthetase activity plays a role in control of photosynthetic responses to high light in barley leaves. <i>Plant Physiology and Biochemistry</i> , 2014 , 81, 74-83	5.4	51
203	Exogenous putrescine changes redox regulations and essential oil constituents in field-grown <i>Thymus vulgaris</i> L. under well-watered and drought stress conditions. <i>Industrial Crops and Products</i> , 2018 , 122, 119-132	5.9	51
202	Altitude of origin influences the responses of PSII photochemistry to heat waves in European beech (<i>Fagus sylvatica</i> L.). <i>Environmental and Experimental Botany</i> , 2018 , 152, 97-106	5.9	48
201	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> , 2020 , 1861, 148131	4.6	47
200	Shift in accumulation of flavonoids and phenolic acids in lettuce attributable to changes in ultraviolet radiation and temperature. <i>Scientia Horticulturae</i> , 2018 , 239, 193-204	4.1	46
199	Consequences and Mitigation Strategies of Abiotic Stresses in Wheat (<i>Triticum aestivum</i> L.) under the Changing Climate. <i>Agronomy</i> , 2021 , 11, 241	3.6	45
198	Differential Response of Sugar Beet to Long-Term Mild to Severe Salinity in a SoilBot Culture. <i>Agriculture (Switzerland)</i> , 2019 , 9, 223	3	43
197	Vineyard Compost Supplemented with <i>Trichoderma Harzianum</i> T78 Improve Saline Soil Quality. <i>Land Degradation and Development</i> , 2017 , 28, 1028-1037	4.4	42
196	Selenium Biofortification: Roles, Mechanisms, Responses and Prospects. <i>Molecules</i> , 2021 , 26,	4.8	40
195	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> , 2020 , 58, 293-300	2.2	39
194	Physiological and biochemical responses of soybean plants inoculated with Arbuscular mycorrhizal fungi and <i>Bradyrhizobium</i> under drought stress. <i>BMC Plant Biology</i> , 2021 , 21, 195	5.3	39
193	A Novel Soybean Intrinsic Protein Gene, GmTIP2;3, Involved in Responding to Osmotic Stress. <i>Frontiers in Plant Science</i> , 2015 , 6, 1237	6.2	38
192	Intercropping – A Low Input Agricultural Strategy for Food and Environmental Security. <i>Agronomy</i> , 2021 , 11, 343	3.6	38

191	Measurements of chlorophyll fluorescence in different leaf positions may detect nitrogen deficiency in wheat. <i>Zemdirbyste</i> , 2014 , 101, 437-444	1.1	37
190	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> , 2020 , 154, 657-664	5.4	37
189	Chitosan-Selenium Nanoparticle (Cs-Se NP) Foliar Spray Alleviates Salt Stress in Bitter Melon. <i>Nanomaterials</i> , 2021 , 11,	5.4	37
188	Accumulation capacity of ions in cabbage (<i>Brassica oleracea</i> L.) supplied with sea water. <i>Plant, Soil and Environment</i> , 2016 , 62, 314-320	2.2	36
187	Lettuce flavonoids screening and phenotyping by chlorophyll fluorescence excitation ratio. <i>Planta</i> , 2017 , 245, 1215-1229	4.7	35
186	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> , 2021 , 401, 123256 ^{12.8}		35
185	Shade effect on carbohydrates dynamics and stem strength of soybean genotypes. <i>Environmental and Experimental Botany</i> , 2019 , 162, 374-382	5.9	34
184	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> , 2018 , 204, 219-227 ^{3.9}		34
183	The Contribution of Buckwheat Genetic Resources to Health and Dietary Diversity. <i>Current Genomics</i> , 2016 , 17, 193-206	2.6	33
182	Transient Heat Waves May Affect the Photosynthetic Capacity of Susceptible Wheat Genotypes Due to Insufficient Photosystem I Photoprotection. <i>Plants</i> , 2019 , 8,	4.5	32
181	Mechanisms of inhibitory effects of polycyclic aromatic hydrocarbons in photosynthetic primary processes in pea leaves and thylakoid preparations. <i>Plant Biology</i> , 2017 , 19, 683-688	3.7	32
180	Spermine: Its Emerging Role in Regulating Drought Stress Responses in Plants. <i>Cells</i> , 2021 , 10,	7.9	32
179	Genetic Engineering of the Biosynthesis of Glycine Betaine Modulates Phosphate Homeostasis by Regulating Phosphate Acquisition in Tomato. <i>Frontiers in Plant Science</i> , 2018 , 9, 1995	6.2	31
178	Anthocyanins of Coloured Wheat Genotypes in Specific Response to SalStress. <i>Molecules</i> , 2018 , 23,	4.8	31
177	Chlorophyll Fluorescence, Understanding Crop Performance 2017 ,		31
176	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	5	30
175	Bioactive Phytochemicals and Antioxidant Properties of the Grains and Sprouts of Colored Wheat Genotypes. <i>Molecules</i> , 2018 , 23,	4.8	30
174	Evaluation of Hyperspectral Reflectance Parameters to Assess the Leaf Water Content in Soybean. <i>Water (Switzerland)</i> , 2019 , 11, 443	3	28

173	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> , 2011 , 5,	0.5	28
172	Screening of Salt-Tolerant Rice Landraces by Seedling Stage Phenotyping and Dissecting Biochemical Determinants of Tolerance Mechanism. <i>Journal of Plant Growth Regulation</i> , 2020 , 40, 1853	4.7	28
171	Progress in understanding salt stress response in plants using biotechnological tools. <i>Journal of Biotechnology</i> , 2021 , 329, 180-191	3.7	28
170	Strategies to Mitigate the Salt Stress Effects on Photosynthetic Apparatus and Productivity of Crop Plants 2018 , 85-136		27
169	Molecular Docking Studies of Coumarins Isolated from Extracts and Essential Oils of Link as Potential Inhibitors for Alzheimer's Disease. <i>Molecules</i> , 2019 , 24,	4.8	27
168	Effects of silicon on heavy metal uptake at the soil-plant interphase: A review. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 222, 112510	7	27
167	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> , 2020 , 58, 518-528	2.2	26
166	Reduces Cadmium Accumulation and Improves Growth and Antioxidant Defense System in Two Wheat (L.) Varieties. <i>Plants</i> , 2020 , 9,	4.5	26
165	Management of Crop Residues for Improving Input Use Efficiency and Agricultural Sustainability. <i>Sustainability</i> , 2020 , 12, 9808	3.6	26
164	Foliar application of silicon improves growth of soybean by enhancing carbon metabolism under shading conditions. <i>Plant Physiology and Biochemistry</i> , 2021 , 159, 43-52	5.4	26
163	Effects of lignin, cellulose, hemicellulose, sucrose and monosaccharide carbohydrates on soybean physical stem strength and yield in intercropping. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 462-472	4.2	24
162	Selenium Alleviates the Adverse Effect of Drought in Oilseed Crops Camelina (L.) and Canola (L.). <i>Molecules</i> , 2021 , 26,	4.8	24
161	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> , 2021 , 172, 2153-2169	4.6	24
160	Foliar Applied Nickel on Buckwheat (<i>Fagopyrum esculentum</i>) Induced Phenolic Compounds as Potential Antioxidants. <i>Clean - Soil, Air, Water</i> , 2013 , 41, 1129-1137	1.6	23
159	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> , 2021 , 172, 809-819	4.6	23
158	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> , 2021 , 11, 194	3	23
157	Brassinosteroid Signaling, Crosstalk and, Physiological Functions in Plants Under Heavy Metal Stress. <i>Frontiers in Plant Science</i> , 2021 , 12, 608061	6.2	22
156	Drought and Heat Stress in Cool-Season Food Legumes in Sub-Tropical Regions: Consequences, Adaptation, and Mitigation Strategies. <i>Plants</i> , 2021 , 10,	4.5	22

155	Salinity Stress in Wheat (<i>Triticum aestivum</i> L.) in the Changing Climate: Adaptation and Management Strategies. <i>Frontiers in Agronomy</i> , 2021 , 3,	4	22
154	Antidiarrheal and antimicrobial profiles extracts of the leaves from <i>Trichilia emetica</i> Vahl. (Meliaceae). <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2015 , 5, 242-248	1.4	21
153	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> , 2020 , 10, 1513	3.6	21
152	The Use of Chlorophyll Fluorescence Kinetics Analysis to Study the Performance of Photosynthetic Machinery in Plants 2014 , 347-384		20
151	Identification of non-alkaloid natural compounds of (<i>Avell.</i>) Gilli. (Apiaceae) with cholinesterase and carbonic anhydrase inhibition potential. <i>Saudi Pharmaceutical Journal</i> , 2020 , 28, 1-14	4.4	20
150	Genotypically Identifying Wheat Mesophyll Conductance Regulation under Progressive Drought Stress. <i>Frontiers in Plant Science</i> , 2016 , 7, 1111	6.2	20
149	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> , 2020 , 178, 104156	5.9	19
148	Osmotic Adjustment and Plant Adaptation to Drought Stress 2016 , 105-143		19
147	The application of multiplex fluorimetric sensor for the analysis of flavonoids content in the medicinal herbs family Asteraceae, Lamiaceae, Rosaceae. <i>Biological Research</i> , 2015 , 48, 5	7.6	19
146	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> , 2014 , 2014, 867075	2.3	19
145	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> , 2014 , 148, 403-409	1.6	19
144	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	3.7	18
143	Fractionation of Heavy Metals in Multi-Contaminated Soil Treated with Biochar Using the Sequential Extraction Procedure. <i>Biomolecules</i> , 2021 , 11,	5.9	18
142	COVID-19 Prophylaxis Efforts Based on Natural Antiviral Plant Extracts and Their Compounds. <i>Molecules</i> , 2021 , 26,	4.8	18
141	Comparison on Photosynthesis and Antioxidant Defense Systems in Wheat with Different Ploidy Levels and Octoploid Triticale. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	18
140	Crucial Cell Signaling Compounds Crosstalk and Integrative Multi-Omics Techniques for Salinity Stress Tolerance in Plants. <i>Frontiers in Plant Science</i> , 2021 , 12, 670369	6.2	18
139	Acclimation strategy and plasticity of different soybean genotypes in intercropping. <i>Functional Plant Biology</i> , 2020 , 47, 592-610	2.7	17
138	Effect of Wastewater Irrigation on Photosynthesis, Growth, and Anatomical Features of Two Wheat Cultivars (<i>Triticum aestivum</i> L.). <i>Water (Switzerland)</i> , 2020 , 12, 607	3	17

137	Comparing Salt Tolerance at Seedling and Germination Stages in Local Populations of L. to L. and L. <i>Plants</i> , 2020 , 9,	4.5	17
136	Photosynthesis research under climate change. <i>Photosynthesis Research</i> , 2021 , 150, 5-19	3.7	17
135	Role of Nanoparticles on Photosynthesis 2019 , 103-127		17
134	Citric Acid-Mediated Abiotic Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	17
133	Plants Used for Biomonitoring and Phytoremediation of Trace Elements in Soil and Water 2016 , 361-384		16
132	Resistance of <i>Fritillaria imperialis</i> to freezing stress through gene expression, osmotic adjustment and antioxidants. <i>Scientific Reports</i> , 2020 , 10, 10427	4.9	16
131	Physiological and molecular mechanisms of metal accumulation in hyperaccumulator plants. <i>Physiologia Plantarum</i> , 2021 , 173, 148-166	4.6	16
130	Zinc Biofortification in Food Crops Could Alleviate the Zinc Malnutrition in Human Health. <i>Molecules</i> , 2021 , 26,	4.8	16
129	Prospects of Nanotechnology in Improving the Productivity and Quality of Horticultural Crops. <i>Horticulturae</i> , 2021 , 7, 332	2.5	16
128	Arsenic transport and interaction with plant metabolism: Clues for improving agricultural productivity and food safety. <i>Environmental Pollution</i> , 2021 , 290, 117987	9.3	16
127	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> , 2019 , 165, 30-38	5.9	14
126	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from L. Leaves. <i>Antioxidants</i> , 2020 , 9,	7.1	14
125	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> , 2018 , 115, 8-16	5.5	14
124	Ornamental Plant Efficiency for Heavy Metals Phytoextraction from Contaminated Soils Amended with Organic Materials. <i>Molecules</i> , 2021 , 26,	4.8	14
123	Zeolites Enhance Soil Health, Crop Productivity and Environmental Safety. <i>Agronomy</i> , 2021 , 11, 448	3.6	14
122	Leaf growth under temperature and light control. <i>Plant, Soil and Environment</i> , 2009 , 55, 551-557	2.2	13
121	Potential of Karrikins as Novel Plant Growth Regulators in Agriculture. <i>Plants</i> , 2019 , 9,	4.5	13
120	Lipoic Acid Combined with Melatonin Mitigates Oxidative Stress and Promotes Root Formation and Growth in Salt-Stressed Canola Seedlings (L.). <i>Molecules</i> , 2021 , 26,	4.8	13

119	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> , 2020 , 154, 429-438	5.4	12
118	The Involvement of Different Secondary Metabolites in Salinity Tolerance of Crops 2018 , 21-48		12
117	Genetic Diversity of Selected Rice Genotypes under Water Stress Conditions. <i>Plants</i> , 2020 , 10,	4.5	12
116	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> , 2021 , 150, 195-211	3.7	12
115	Glycinebetaine mitigated the photoinhibition of photosystem II at high temperature in transgenic tomato plants. <i>Photosynthesis Research</i> , 2021 , 147, 301-315	3.7	12
114	Potential Role of Plant Growth Regulators in Administering Crucial Processes Against Abiotic Stresses. <i>Frontiers in Agronomy</i> , 2021 , 3,	4	12
113	Nutrients Supplementation through Organic Manures Influence the Growth of Weeds and Maize Productivity. <i>Molecules</i> , 2020 , 25,	4.8	11
112	Biofertilizer-Based Zinc Application Enhances Maize Growth, Gas Exchange Attributes, and Yield in Zinc-Deficient Soil. <i>Agriculture (Switzerland)</i> , 2021 , 11, 310	3	11
111	Exploiting the Allelopathic Potential of Aqueous Leaf Extracts of and against , a Widespread Weed in India. <i>Plants</i> , 2019 , 8,	4.5	11
110	Application of Photosynthetic Parameters in the Screening of Wheat (<i>Triticum aestivum</i> L.) Genotypes for Improved Drought and High Temperature Tolerance 2008 , 1247-1250		11
109	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	4.9	10
108	Isolation of Phytochemicals from L. Bark and Their In Vitro Antioxidant and Cytotoxic Potential. <i>Antioxidants</i> , 2019 , 8,	7.1	10
107	Heat Signaling and Stress Responses in Photosynthesis 2014 , 241-256		10
106	Risk Assessment of Urban Lake Water Quality Based on in-situ Cyanobacterial and Total Chlorophyll-a Monitoring. <i>Polish Journal of Environmental Studies</i> , 2016 , 25, 655-661	2.3	10
105	Magnetic Field Treatments Improves Sunflower Yield by Inducing Physiological and Biochemical Modulations in Seeds. <i>Molecules</i> , 2021 , 26,	4.8	10
104	Exogenous Sodium Nitroprusside Mitigates Salt Stress in Lentil (Medik.) by Affecting the Growth, Yield, and Biochemical Properties. <i>Molecules</i> , 2021 , 26,	4.8	10
103	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> , 2021 , 11, 269	3.6	10
102	Phytohormones as Growth Regulators During Abiotic Stress Tolerance in Plants. <i>Frontiers in Agronomy</i> ,4,	4	10

101	Bioinoculants-Natural Biological Resources for Sustainable Plant Production.. <i>Microorganisms</i> , 2021 , 10,	4.9	10
100	The Therapeutic Potential of the Labdane Diterpenoid Forskolin. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4089	2.6	9
99	Possible ways of fagopyrin biosynthesis and production in buckwheat plants. <i>Phytotherapy Research</i> , 2013 , 84, 72-9	3.2	9
98	Special issue in honour of Prof. Reto J. Strasser - Environmental pollution is reflected in the activity of the photosynthetic apparatus. <i>Photosynthetica</i> , 2020 , 58, 529-539	2.2	9
97	The effect of growth conditions on flavonols and anthocyanins accumulation in green and red lettuce. <i>Journal of Central European Agriculture</i> , 2016 , 17, 986-997	1.3	9
96	Melatonin Modulates Plant Tolerance to Heavy Metal Stress: Morphological Responses to Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	9
95	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> , 2020 , 10, 1906	3.6	9
94	Silver Nanoparticles Toxicological Effects and Phytoremediation. <i>Nanomaterials</i> , 2021 , 11,	5.4	9
93	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> , 2013 , 12, 14	6.2	8
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