

Marian Brestic

List of Publications by Year in descending order

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Version: 2024-02-01

252
papers

14,974
citations

19608

61
h-index

26548

107
g-index

258
all docs

258
docs citations

258
times ranked

10585
citing authors

#	ARTICLE	IF	CITATIONS
1	Chlorophyll a fluorescence as a tool to monitor physiological status of plants under abiotic stress conditions. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	870
2	Frequently asked questions about in vivo chlorophyll fluorescence: practical issues. <i>Photosynthesis Research</i> , 2014, 122, 121-158.	1.6	585
3	Impact of Metal and Metal Oxide Nanoparticles on Plant: A Critical Review. <i>Frontiers in Chemistry</i> , 2017, 5, 78.	1.8	512
4	Frequently asked questions about chlorophyll fluorescence, the sequel. <i>Photosynthesis Research</i> , 2017, 132, 13-66.	1.6	419
5	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.	2.8	358
6	Application of silicon nanoparticles in agriculture. <i>3 Biotech</i> , 2019, 9, 90.	1.1	328
7	Photosynthetic electron transport and specific photoprotective responses in wheat leaves under drought stress. <i>Photosynthesis Research</i> , 2013, 117, 529-546.	1.6	283
8	Phytohormone Priming: Regulator for Heavy Metal Stress in Plants. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 739-752.	2.8	282
9	Global plant-responding mechanisms to salt stress: physiological and molecular levels and implications in biotechnology. <i>Critical Reviews in Biotechnology</i> , 2015, 35, 425-437.	5.1	265
10	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.	1.0	235
11	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, 339-354.	1.6	219
12	The Role of Salicylic Acid in Plants Exposed to Heavy Metals. <i>Molecules</i> , 2020, 25, 540.	1.7	213
13	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.	2.0	201
14	Photosynthesis is improved by exogenous calcium in heat-stressed tobacco plants. <i>Journal of Plant Physiology</i> , 2011, 168, 2063-2071.	1.6	191
15	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.	2.8	190
16	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.	2.8	186
17	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
18	Repetitive light pulse-induced photoinhibition of photosystem I severely affects CO ₂ assimilation and photoprotection in wheat leaves. <i>Photosynthesis Research</i> , 2015, 126, 449-463.	1.6	186

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19	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.	0.9	181
20	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.	1.0	159
21	High temperature specifically affects the photoprotective responses of chlorophyll a -deficient wheat mutant lines. <i>Photosynthesis Research</i> , 2016, 130, 251-266.	1.6	152
22	Intercropping – A Low Input Agricultural Strategy for Food and Environmental Security. <i>Agronomy</i> , 2021, 11, 343.	1.3	147
23	PSII Fluorescence Techniques for Measurement of Drought and High Temperature Stress Signal in Crop Plants: Protocols and Applications. , 2013, , 87-131.		142
24	Exogenous salicylic acid and hydrogen peroxide attenuate drought stress in rice. <i>Plant, Soil and Environment</i> , 2020, 66, 7-13.	1.0	142
25	Does photorespiration protect the photosynthetic apparatus in french bean leaves from photoinhibition during drought stress?. <i>Planta</i> , 1995, 196, 450.	1.6	137
26	Photosynthetic proton and electron transport in wheat leaves under prolonged moderate drought stress. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 137, 107-115.	1.7	131
27	Comparative analysis of bioactive phenolic compounds composition from 26 medicinal plants. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 631-641.	1.8	129
28	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.	0.5	124
29	Effects of silicon on heavy metal uptake at the soil-plant interphase: A review. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112510.	2.9	122
30	Physiological and biochemical responses of soybean plants inoculated with Arbuscular mycorrhizal fungi and Bradyrhizobium under drought stress. <i>BMC Plant Biology</i> , 2021, 21, 195.	1.6	119
31	Fungal growth promotor endophytes: a pragmatic approach towards sustainable food and agriculture. <i>Symbiosis</i> , 2014, 62, 63-79.	1.2	118
32	Salinity Stress in Wheat (<i>Triticum aestivum</i> L.) in the Changing Climate: Adaptation and Management Strategies. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	117
33	Melatonin alleviates low PS – limited carbon assimilation under elevated CO_2 and enhances the cold tolerance of offspring in chlorophyll a -deficient mutant wheat. <i>Journal of Pineal Research</i> , 2018, 64, e12453.	3.4	113
34	Selenium Biofortification: Roles, Mechanisms, Responses and Prospects. <i>Molecules</i> , 2021, 26, 881.	1.7	112
35	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.	1.0	108
36	Chitosan – Selenium Nanoparticle (Cs – Se NP) Foliar Spray Alleviates Salt Stress in Bitter Melon. <i>Nanomaterials</i> , 2021, 11, 684.	1.9	108

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37	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.	1.6	105
38	Dissection of Photosynthetic Electron Transport Process in Sweet Sorghum under Heat Stress. <i>PLoS ONE</i> , 2013, 8, e62100.	1.1	102
39	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.	0.9	102
40	Drought Tolerance of Soybean (<i>Glycine max</i> 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.	1.3	99
41	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.	3.9	94
42	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.	2.8	93
43	Consequences and Mitigation Strategies of Abiotic Stresses in <i>Wheat</i> (<i>Triticum aestivum</i> L.) under the Changing Climate. <i>Agronomy</i> , 2021, 11, 241.	1.3	93
44	Exploration of Chlorophyll a Fluorescence and Plant Gas Exchange Parameters as Indicators of Drought Tolerance in Perennial Ryegrass. <i>Sensors</i> , 2019, 19, 2736.	2.1	89
45	Melatonin Modulates Plant Tolerance to Heavy Metal Stress: Morphological Responses to Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11445.	1.8	88
46	Spermine: Its Emerging Role in Regulating Drought Stress Responses in Plants. <i>Cells</i> , 2021, 10, 261.	1.8	87
47	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.	2.6	87
48	Applying hyperspectral imaging to explore natural plant diversity towards improving salt stress tolerance. <i>Science of the Total Environment</i> , 2017, 578, 90-99.	3.9	86
49	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.	0.7	85
50	A comparison between different chlorophyll content meters under nutrient deficiency conditions. <i>Journal of Plant Nutrition</i> , 2017, 40, 1024-1034.	0.9	85
51	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.	6.5	85
52	Citric Acid-Mediated Abiotic Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7235.	1.8	85
53	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
54	Progress in understanding salt stress response in plants using biotechnological tools. <i>Journal of Biotechnology</i> , 2021, 329, 180-191.	1.9	82

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55	Improved Salinity Tolerance by Phosphorus Fertilizer in Two <i>Phaseolus vulgaris</i> Recombinant Inbred Lines Contrasting in Their Efficiency. <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 497-507.	1.7	81
56	Management of Crop Residues for Improving Input Use Efficiency and Agricultural Sustainability. <i>Sustainability</i> , 2020, 12, 9808.	1.6	81
57	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, 318-324.	1.7	78
58	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.	0.9	77
59	Relationships between leaf morphology 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.	1.7	73
60	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.	1.7	73
61	Brassinosteroid Signaling, Crosstalk and, Physiological Functions in Plants Under Heavy Metal Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 608061.	1.7	70
62	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.	1.4	69
63	Photosynthesis research under climate change. <i>Photosynthesis Research</i> , 2021, 150, 5-19.	1.6	68
64	Shade effect on carbohydrates dynamics and stem strength of soybean genotypes. <i>Environmental and Experimental Botany</i> , 2019, 162, 374-382.	2.0	63
65	Phytohormones as Growth Regulators During Abiotic Stress Tolerance in Plants. <i>Frontiers in Agronomy</i> , 2022, 4, .	1.5	63
66	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.	2.8	62
67	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.	2.0	61
68	Differential Response of Sugar Beet to Long-Term Mild to Severe Salinity in a Soil-Pot Culture. <i>Agriculture (Switzerland)</i> , 2019, 9, 223.	1.4	61
69	<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
70	Physiological and molecular mechanisms of metal accumulation in hyperaccumulator plants. <i>Physiologia Plantarum</i> , 2021, 173, 148-166.	2.6	60
71	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
72	Zinc Biofortification in Food Crops Could Alleviate the Zinc Malnutrition in Human Health. <i>Molecules</i> , 2021, 26, 3509.	1.7	60

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73	Exogenous abscisic acid and jasmonic acid restrain polyethylene glycolâ€induced drought by improving the growth and antioxidative enzyme activities in pearl millet. <i>Physiologia Plantarum</i> , 2021, 172, 809-819.	2.6	59
74	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.	2.8	56
75	Screening of Salt-Tolerant Rice Landraces by Seedling Stage Phenotyping and Dissecting Biochemical Determinants of Tolerance Mechanism. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1853-1868.	2.8	56
76	Vineyard Compost Supplemented with <i>Trichoderma Harzianum</i> T78 Improve Saline Soil Quality. <i>Land Degradation and Development</i> , 2017, 28, 1028-1037.	1.8	55
77	Anthocyanins of Coloured Wheat Genotypes in Specific Response to SalStress. <i>Molecules</i> , 2018, 23, 1518.	1.7	55
78	Evaluation of Hyperspectral Reflectance Parameters to Assess the Leaf Water Content in Soybean. <i>Water (Switzerland)</i> , 2019, 11, 443.	1.2	55
79	Selenium Alleviates the Adverse Effect of Drought in Oilseed Crops Camelina (<i>Camelina sativa</i> L.) and Canola (<i>Brassica napus</i> L.). <i>Molecules</i> , 2021, 26, 1699.	1.7	55
80	Arsenic transport and interaction with plant metabolism: Clues for improving agricultural productivity and food safety. <i>Environmental Pollution</i> , 2021, 290, 117987.	3.7	54
81	Strategies to Mitigate the Salt Stress Effects on Photosynthetic Apparatus and Productivity of Crop Plants. , 2018, , 85-136.		52
82	Chlorophyll Fluorescence, Understanding Crop Performance. , 2017, , .		52
83	A Novel Soybean Intrinsic Protein Gene, GmTIP2;3, Involved in Responding to Osmotic Stress. <i>Frontiers in Plant Science</i> , 2015, 6, 1237.	1.7	51
84	Biofortificationâ€A Frontier Novel Approach to Enrich Micronutrients in Field Crops to Encounter the Nutritional Security. <i>Molecules</i> , 2022, 27, 1340.	1.7	51
85	Zeolites Enhance Soil Health, Crop Productivity and Environmental Safety. <i>Agronomy</i> , 2021, 11, 448.	1.3	50
86	Potential Role of Plant Growth Regulators in Administering Crucial Processes Against Abiotic Stresses. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	50
87	Drought and Heat Stress in Cool-Season Food Legumes in Sub-Tropical Regions: Consequences, Adaptation, and Mitigation Strategies. <i>Plants</i> , 2021, 10, 1038.	1.6	49
88	Measurements of chlorophyll fluorescence in different leaf positions may detect nitrogen deficiency in wheat. <i>Zemdirbyste</i> , 2014, 101, 437-444.	0.3	49
89	Bioactive Phytochemicals and Antioxidant Properties of the Grains and Sprouts of Colored Wheat Genotypes. <i>Molecules</i> , 2018, 23, 2282.	1.7	48
90	Prospects of Nanotechnology in Improving the Productivity and Quality of Horticultural Crops. <i>Horticulturae</i> , 2021, 7, 332.	1.2	48

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91	Transient Heat Waves May Affect the Photosynthetic Capacity of Susceptible Wheat Genotypes Due to Insufficient Photosystem I Photoprotection. <i>Plants</i> , 2019, 8, 282.	1.6	47
92	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.	1.6	47
93	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.	1.7	47
94	Does silicon really matter for the photosynthetic machinery in plants? <i>Plant Physiology and Biochemistry</i> , 2021, 169, 40-48.	2.8	46
95	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.	1.0	45
96	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.	1.7	45
97	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
98	The Contribution of Buckwheat Genetic Resources to Health and Dietary Diversity. <i>Current Genomics</i> , 2016, 17, 193-206.	0.7	44
99	Lettuce flavonoids screening and phenotyping by chlorophyll fluorescence excitation ratio. <i>Planta</i> , 2017, 245, 1215-1229.	1.6	43
100	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.	1.2	43
101	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.	0.9	43
102	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.	1.8	42
103	Molecular Docking Studies of Coumarins Isolated from Extracts and Essential Oils of <i>Zosima absinthifolia</i> Link as Potential Inhibitors for Alzheimer's Disease. <i>Molecules</i> , 2019, 24, 722.	1.7	42
104	Resistance of <i>Fritillaria imperialis</i> to freezing stress through gene expression, osmotic adjustment and antioxidants. <i>Scientific Reports</i> , 2020, 10, 10427.	1.6	42
105	COVID-19 Prophylaxis Efforts Based on Natural Antiviral Plant Extracts and Their Compounds. <i>Molecules</i> , 2021, 26, 727.	1.7	42
106	Exogenous Sodium Nitroprusside Mitigates Salt Stress in Lentil (<i>Lens culinaris</i> Medik.) by Affecting the Growth, Yield, and Biochemical Properties. <i>Molecules</i> , 2021, 26, 2576.	1.7	40
107	Bioinoculants: Natural Biological Resources for Sustainable Plant Production. <i>Microorganisms</i> , 2022, 10, 51.	1.6	40
108	Commercial techniques for preserving date palm (<i>Phoenix dactylifera</i>) fruit quality and safety: A review. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4408-4420.	1.8	39

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109	The Use of Chlorophyll Fluorescence Kinetics Analysis to Study the Performance of Photosynthetic Machinery in Plants. , 2014, , 347-384.		38
110	Osmotic Adjustment and Plant Adaptation to Drought Stress. , 2016, , 105-143.		38
111	Identification of non-alkaloid natural compounds of <i>Angelica purpurascens</i> (Avicenna-Lall.) Gilli. (Apiaceae) with cholinesterase and carbonic anhydrase inhibition potential. Saudi Pharmaceutical Journal, 2020, 28, 1-14.	1.2	38
112	Fractionation of Heavy Metals in Multi-Contaminated Soil Treated with Biochar Using the Sequential Extraction Procedure. Biomolecules, 2021, 11, 448.	1.8	38
113	Lipoic Acid Combined with Melatonin Mitigates Oxidative Stress and Promotes Root Formation and Growth in Salt-Stressed Canola Seedlings (<i>Brassica napus</i> L.). Molecules, 2021, 26, 3147.	1.7	38
114	Melatonin reduces nanoplastic uptake, translocation, and toxicity in wheat. Journal of Pineal Research, 2021, 71, e12761.	3.4	38
115	Silver Nanoparticle's Toxicological Effects and Phytoremediation. Nanomaterials, 2021, 11, 2164.	1.9	38
116	Chlorophyll a fluorescence determines the drought resistance capabilities in two varieties of mycorrhized and non-mycorrhized <i>Glycine max</i> Linn. African Journal of Microbiology Research, 2011, 5, .	0.4	35
117	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. Agronomy, 2020, 10, 1513.	1.3	35
118	Genotypically Identifying Wheat Mesophyll Conductance Regulation under Progressive Drought Stress. Frontiers in Plant Science, 2016, 7, 1111.	1.7	34
119	The Involvement of Different Secondary Metabolites in Salinity Tolerance of Crops. , 2018, , 21-48.		33
120	Acclimation strategy and plasticity of different soybean genotypes in intercropping. Functional Plant Biology, 2020, 47, 592.	1.1	33
121	Glycinebetaine mitigated the photoinhibition of photosystem II at high temperature in transgenic tomato plants. Photosynthesis Research, 2021, 147, 301-315.	1.6	33
122	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?. Photosynthesis Research, 2021, 150, 195-211.	1.6	32
123	Role of Nanoparticles on Photosynthesis. , 2019, , 103-127.		31
124	Integrated Weed and Nutrient Management Improve Yield, Nutrient Uptake and Economics of Maize in the Rice-Maize Cropping System of Eastern India. Agronomy, 2020, 10, 1906.	1.3	31
125	Ornamental Plant Efficiency for Heavy Metals Phytoextraction from Contaminated Soils Amended with Organic Materials. Molecules, 2021, 26, 3360.	1.7	31
126	Genetic engineering of glycinebetaine synthesis enhances cadmium tolerance in BADH-transgenic tobacco plants via reducing cadmium uptake and alleviating cadmium stress damage. Environmental and Experimental Botany, 2021, 191, 104602.	2.0	31

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127	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.	0.7	30
128	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.	2.7	30
129	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.	2.0	30
130	Adaptation Strategies to Improve the Resistance of Oilseed Crops to Heat Stress Under a Changing Climate: An Overview. <i>Frontiers in Plant Science</i> , 2021, 12, 767150.	1.7	30
131	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, 3006.	1.8	28
132	Prospects of Hydrogels in Agriculture for Enhancing Crop and Water Productivity under Water Deficit Condition. <i>International Journal of Polymer Science</i> , 2022, 2022, 1-15.	1.2	28
133	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, 1-13.	0.5	27
134	Nutrients Supplementation through Organic Manures Influence the Growth of Weeds and Maize Productivity. <i>Molecules</i> , 2020, 25, 4924.	1.7	27
135	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.	0.5	26
136	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
137	Genetic Diversity of Selected Rice Genotypes under Water Stress Conditions. <i>Plants</i> , 2021, 10, 27.	1.6	26
138	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.	1.5	24
139	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.	2.0	24
140	Exploiting the Allelopathic Potential of Aqueous Leaf Extracts of <i>Artemisia absinthium</i> and <i>Psidium guajava</i> against <i>Parthenium hysterophorus</i> , a Widespread Weed in India. <i>Plants</i> , 2019, 8, 552.	1.6	24
141	Potential of Karrikins as Novel Plant Growth Regulators in Agriculture. <i>Plants</i> , 2020, 9, 43.	1.6	24
142	Biofertilizer-Based Zinc Application Enhances Maize Growth, Gas Exchange Attributes, and Yield in Zinc-Deficient Soil. <i>Agriculture (Switzerland)</i> , 2021, 11, 310.	1.4	24
143	Progressive Genomic Approaches to Explore Drought- and Salt-Induced Oxidative Stress Responses in Plants under Changing Climate. <i>Plants</i> , 2021, 10, 1910.	1.6	24
144	Magnetic Field Treatments Improves Sunflower Yield by Inducing Physiological and Biochemical Modulations in Seeds. <i>Molecules</i> , 2021, 26, 2022.	1.7	23

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145	Agronomical traits associated with yield and yield components of winter wheat as affected by nitrogen managements. Saudi Journal of Biological Sciences, 2021, 28, 4852-4858.	1.8	23
146	Crop photosynthesis for the twenty-first century. Photosynthesis Research, 2021, 150, 1-3.	1.6	23
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