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(2015-2015)

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(2016-2016)

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(2017-2017)

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(2018-2018)

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(2018-2018)

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(2019-2019)

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(2019-2019)

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320	Biochemical, gas exchange, and chlorophyll fluorescence analysis of maize genotypes under drought stress reveals important insights into their interaction and homeostasis.	1
319	Imaging Technology for High-Throughput Plant Phenotyping. 2022 , 75-99	
318	Phytotoxicity and physiological changes in Schinus terebinthifolius Raddi under simulated 2,4-D drift and dicamba. 2022 , 69, 314-322	1
317	Effect of beneficial indigenous microorganisms on tomato growth performance, productivity, and protection against Verticillium dahliae.	O
316	Arabidopsis SUMO E3 ligase SIZ1 enhances cadmium tolerance via the glutathione-dependent phytochelatin synthesis pathway. 2022 , 111357	o
315	High light stress induces H2O2 production and accelerates fruit ripening in tomato. 2022 , 111348	1
314	Performance of chlorophyll a fluorescence parameters in Lemna minor under heavy metal stress induced by various concentration of copper. 2022 , 12,	1
313	Investigating the Performance of Red and Far-Red SIF for Monitoring GPP of Alpine Meadow Ecosystems. 2022 , 14, 2740	0
312	Cu and Zn Stress affect the photosynthetic and antioxidative systems of alfalfa (Medicago sativa). 2022 , 17, 695-704	1
311	Exogenous Melatonin Enhances Photosynthetic Capacity and Related Gene Expression in A Dose-Dependent Manner in the Tea Plant (Camellia sinensis (L.) Kuntze). 2022 , 23, 6694	1
310	Increased Global Vegetation Productivity Despite Rising Atmospheric Dryness Over the Last Two Decades.	2
309	Integrating climate and satellite remote sensing data for predicting county-level wheat yield in China using machine learning methods. 2022 , 111, 102861	o
308	Temperature-induced reversible changes in photosynthesis efficiency and organization of thylakoid membranes from pea (Pisum sativum). 2022 , 185, 144-154	O
307	Attributing differences of solar-induced chlorophyll fluorescence (SIF)-gross primary production (GPP) relationships between two C4 crops: corn and miscanthus. 2022 , 323, 109046	0
306	Monitoring drought impacts on crop productivity of the U.S. Midwest with solar-induced fluorescence: GOSIF outperforms GOME-2 SIF and MODIS NDVI, EVI, and NIRv. 2022 , 323, 109038	2

305	Toxicity assessment of tire particles released from personal mobilities (bicycles, cars, and electric scooters) on soil organisms. 2022 , 437, 129362	О
304	Exploring the interrelated effects of soil background, canopy structure and sun-observer geometry on canopy photochemical reflectance index. 2022 , 279, 113133	1
303	Assessing photosynthesis in plant systems: A cornerstone to aid in the selection of resistant and productive crops. 2022 , 201, 104950	0
302	Omics of Climate Change on Nutritional Quality of Small Millets. 2022 , 317-335	
301	Biocompatible fluorocarbon liquid underlays for in situ extraction of isoprenoids from microbial cultures. 2022 , 12, 16632-16639	1
300	In situ Time-Resolved Spectroelectrochemistry Reveals Limitations of Biohybrid Photoelectrode Performance.	1
299	Adaptation of cyanobacterial photosynthesis to metal constraints. 2022, 109-128	
298	Crop exposure to heat stress: responses in physiological, biochemical, and molecular levels. 2022 , 43-57	
297	Glyphosate Excessive Use Chronically Disrupts the Shikimate Pathway and Can Affect Photosynthesis and Yield in Citrus Trees.	
296	Different Responses of Solar-Induced Chlorophyll Fluorescence at the Red and Far-Red Bands and Gross Primary Productivity to Air Temperature for Winter Wheat. 2022 , 14, 3076	
295	Can ecological strategies be explained by photochemical efficiency in ironstone outcrops vegetation?.	
294	Physiological behavior and nutritional status of coffee (Coffea arabica L. var. Castillo) trees in response to biochar application. 1-47	
293	Interaction of Nanoatrazine and Target Organism: Evaluation of Fate and Photosystem II Inhibition in Hydroponically Grown Mustard (Brassica juncea) Plants. 2022 , 70, 7644-7652	
292	Comparative Effect of Foliar Application of Silicon, Titanium and Zinc Nanoparticles on the Performance of Vetiver- a Medicinal and Aromatic Plant.	
291	Engineering astaxanthin accumulation reduces photoinhibition and increases biomass productivity under high light in Chlamydomonas reinhardtii. 2022 , 15,	1
290	Physiological, Biochemical, and Molecular Responses of Young Cacao Plants Grown in Coastal Plain Compacted Soil, with Location and Phosphorus Limitation.	
289	Dualistic effects of bisphenol A on growth, photosynthetic and oxidative stress of duckweed (Lemna minor).	1
288	Morpho-physiological alterations and resistance to Tetranychus urticae in strawberries plants treated with salicylic acid.	

287	Effects of Ginkgo biloba extract on growth, photosynthesis, and photosynthesis-related gene expression in Microcystis flos-aquae.	1
286	Salt tolerance screening of a newly developed wheat variety (AZRC-DK-84) in saline environment using halophytic grass (Cenchrus penisettiformis) as a test model. 2022 , 44,	1
285	Characterisation of Selected Mungbean Genotypes for Tolerance to Waterlogging Stress at Pod Filling Stage. 2022 , 12, 1663	
284	Effects of Environmental Concentrations of Total Phosphorus on the Plankton Community Structure and Function in a Microcosm Study. 2022 , 19, 8412	1
283	Effects of drought stress during critical periods on the photosynthetic characteristics and production performance of Naked oat (Avena nuda L.). 2022 , 12,	1
282	Photosynthetic response and antioxidative activity of âllassâlavocado cultivar treated with short-term low temperature. 2022 , 12,	O
281	A comparative analysis of genomic and phenomic predictions of growth-related traits in 3-way coffee hybrids.	
280	Ultraviolet B modulates gamma radiation-induced stress responses in Lemna minor at multiple levels of biological organisation. 2022 , 157457	
279	Granal thylakoid structure and function: explaining an enduring mystery of higher plants.	4
278	Tp̃lūroros Sediri Fidanlarāda Morfolojik ve Fizyolojik Baz∄ellikler ile Fidan Gelilīm Evreleri (ankr̃-Orman Fidanl∰	
277	Morphological and physiological responses of Dianthus spiculifolius high wax mutant to low-temperature stress. 2022 , 275, 153762	0
276	The double knockdown of the mitochondrial uncoupling protein isoforms reveals partial redundant roles during Arabidopsis thaliana vegetative and reproductive development. 2022 , 322, 111365	Ο
275	Brassinosteroids promote starch synthesis and the implication in low-light stress tolerance in Solanum lycopersicum. 2022 , 201, 104990	0
274	Deciphering endurance capacity of mango tree (Mangifera indica L.) to desiccation stress using modern physiological tools. 2022 , 303, 111247	
273	Light quality as a driver of photosynthetic apparatus development.	0
272	Hydrogen peroxide as attenuator of salt stress effects on the physiology and biomass of yellow passion fruit. 2022 , 26, 571-578	2
271	Acute and multigenerational effects of petroleum- and cellulose-based microfibers on growth and photosynthetic capacity of Lemna minor. 2022 , 182, 113953	O
270	Effects of photo-selective nets and air humidity coupling on tomato resistance to Botrytis cinerea. 2022 , 305, 111356	1

269	Nanomaterials for enhancing photosynthesis: interaction with plant photosystems and scope of nanobionics in agriculture.	О
268	Photosynthetic activity in both algae and cyanobacteria changes in response to cues of predation. 13,	
267	A long-term reconstructed TROPOMI solar-induced fluorescence dataset using machine learning algorithms. 2022 , 9,	О
266	Chloroplast redox status modulates the cell expansion phase of leaf development associated to changes in proteasome activity and endoreduplication index.	
265	Integrated omics approaches for flax improvement under abiotic and biotic stress: Current status and future prospects. 13,	O
264	Revegetation of an area impacted by iron ore tailings: evaluating fertilization alternatives in native pioneer and secondary trees.	
263	OsVTC1-1 Gene Silencing Promotes a Defense Response in Rice and Enhances Resistance to Magnaporthe oryzae. 2022 , 11, 2189	
262	Acclimation and Compensating Metabolite Responses to UV-B Radiation in Natural and Transgenic Populus spp. Defective in Lignin Biosynthesis. 2022 , 12, 767	О
261	Investigating soil tipping suction in Axonopus compressus grown in poorly graded sand using a novel framework.	
2 60	Spruce versus Arabidopsis: different strategies of photosynthetic acclimation to light intensity change.	
259	ROS -derived lipid peroxidation is prevented in barley leaves during senescence.	
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256	Supra-optimal temperatures induce photochemical leaf damage and reduce photosynthetic O2 evolution in Carica papaya L 2022 , 105051	O
255	Optimizing Phytochemical and Physiological Characteristics of Balangu (Lallemantia iberica) by Foliar Application of Chitosan Nanoparticles and Myco-Root Inoculation under Water Supply Restrictions. 2022 , 8, 695	2
254	Lipidomics-Assisted GWAS (lGWAS) Approach for Improving High-Temperature Stress Tolerance of Crops. 2022 , 23, 9389	
253	Chloroplasts play a central role in facilitating MAMP-triggered immunity, pathogen suppression of immunity and crosstalk with abiotic stress.	1
252	Effect of microplastics on silty loam soil properties and radish growth. 2022 , 70, 321-329	1

251	Effects of Shade Nets on Microclimatic Conditions, Growth, Fruit Yield, and Quality of Eggplant (Solanum melongena L.): A Case Study in Carnarvon, Western Australia. 2022 , 8, 696	1
250	Photosynthetic Response of Soybean and Cotton to Different Irrigation Regimes and Planting Geometries. 13,	1
249	Estimating Biomass and Vitality of Microalgae for Monitoring Cultures: A Roadmap for Reliable Measurements. 2022 , 11, 2455	5
248	Ascorbate peroxidase postcold regulation of chloroplast NADPH dehydrogenase activity controls cold memory.	
247	Separating the effects of air and soil temperature on silver birch. Part II. The relation of physiology and leaf anatomy to growth dynamics.	О
246	Modulation of xanthophyll cycle impacts biomass productivity in the marine microalga Nannochloropsis.	
245	Evaluating disinfection performance of ultraviolet light-emitting diodes against the microalga Tetraselmis sp.: Assay methods, inactivation efficiencies, and action spectrum. 2022 , 136113	О
244	Extracts and fractions of humic substances reduce bacterial spot severity in tomato plants, improve primary metabolism and activate the plant defense system. 2022 , 121, 101877	O
243	Modeling plant phenology by MODIS derived photochemical reflectance index (PRI). 2022 , 324, 109095	
242	Monitoring the photosynthetic performance of grape leaves using a hyperspectral-based machine learning model. 2022 , 140, 126589	О
241	A novel hybrid machine learning phasor-based approach to retrieve a full set of solar-induced fluorescence metrics and biophysical parameters. 2022 , 280, 113196	
240	Vegetation photosynthesis changes and response to water constraints in the Yangtze River and Yellow River Basin, China. 2022 , 143, 109331	О
239	Physiological aspects and production of coriander using nutrient solutions prepared in different brackish waters. 2022 , 26, 831-839	2
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237	Effect of microâlpray on plant growth and chlorophyll fluorescence parameter of tomato under high temperature condition in a greenhouse. 2022 , 306, 111441	
236	Subsurface Water Retention Technology Promotes Drought Stress Tolerance in Field-Grown Tomato. 2022 , 15, 6807	O
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234	Uncoupling differential water usage from drought resistance in a dwarf Arabidopsis mutant.	O

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232	Estimation of global GPP from GOME-2 and OCO-2 SIF by considering the dynamic variations of GPP-SIF relationship. 2022 , 326, 109180	1
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230	Glyphosate excessive use chronically disrupts the shikimate pathway and can affect photosynthesis and yield in citrus trees. 2022 , 308, 136468	2
229	Quantum yield, chlorophyll, and cell damage in yellow passion fruit under irrigation strategies with brackish water and potassium. 82,	0
228	Physiological analysis of micropropagated banana âBRS Conquistaâßeedlings acclimatized under different substrates and organomineral fertilizer doses. 2022 , 44,	O
227	Photoinhibition of PSI and PSII in Nature and in the Laboratory: Ecological Approaches. 2022,	O
226	Hot Spots and Anomalies of Co2 Over Eastern Amazonia, Brazil.	O
225	The Photosynthetic Response of Spectral Chlorophyll Fluorescence Differs Across Species and Light Environments in a Boreal Forest Ecosystem.	0
224	Nighttime Chlorophyll Fluorescence Imaging of Dark-Adapted Plants Using a Robotic Field Phenotyping Platform. 2022 , 213-220	O
223	Physio-biochemical responses of grafted tomatoes differing in thermotolerance to heat stress and recovery. 2023 , 308, 111546	O
222	Delaying ripening using 1-MCP reveals chilling injury symptom development at the putative chilling threshold temperature for mature green banana. 13,	O
221	Humic acids affect photosynthetic quantum efficiency in rice under water deficit.	O
220	Physiological and Proteomic Responses of Cassava to Short-Term Extreme Cool and Hot Temperature. 2022 , 11, 2307	O
219	Spirulina platensis extract improves the production and defenses of the common bean grown in a heavy metals-contaminated saline soil. 2022 ,	1
218	Rapid Quantification Method for Yield, Calorimetric Energy and Chlorophyll a Fluorescence Parameters in Nicotiana tabacum L. Using Vis-NIR-SWIR Hyperspectroscopy. 2022 , 11, 2406	2
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216	Relationship of Photosynthetic Activity of Polygonum acuminatum and Ludwigia lagunae with Physicochemical Aspects of Greywater in a Zero-Liquid Discharge System. 2022 , 11, 84	O

215	Improving Leaf Photosynthetic Performance of Apple through a Novel Root-Zone Irrigation in the Loess Plateau. 2022 , 12, 1362	1
214	Stem canker pathogen Botryosphaeria dothidea inhibits poplar leaf photosynthesis in the early stage of inoculation. 13,	Ο
213	Chlorophyll a Fluorescence as an Indicator of Temperature Stress in Four Diverse Cotton Cultivars (Gossypium hirsutum L.).	0
212	Photosystem II monomeric antenna CP26 has a key role in Non-Photochemical Quenching in Chlamydomonas reinhardtii.	Ο
211	Effect of straw return with nitrogen fertilizer on photosynthetic characteristics and yield of rice in soda salineâBlkali rice paddy fields.	1
210	Dynamic responses of physiological indexes in maize leaves to different spraying fertilizers at varying concentrations.	Ο
209	Shading Reduces Water Deficits in Strawberry (Fragaria X Ananassa) Plants during Vegetative Growth. 2022 , 22, 725-740	О
208	Effect of different types of sweet potato (Impomea batatas) cultivars on growth performance in woven polypropylene plastic bags. 2022 , 72, 885-892	O
207	Effects of Drought and Host on the Growth of Santalum album Seedlings in Pot Culture. 2022 , 23, 11241	О
206	Glycine betaine increases salt tolerance in maize (Zea mays L.) by regulating Na+ homeostasis. 13,	1
205	Cyclic ADP ribose isomers: Production, chemical structures, and immune signaling. 2022 , 377,	1
204	Bioactivity assessment, micropollutant and nutrient removal ability of Tetradesmus obliquus cultivated outdoors in centrate from urban wastewater.	О
203	Sustainable Agro-Food Systems for Addressing Climate Change and Food Security. 2022 , 12, 1554	8
202	Identification of multiple nonphotochemical quenching processes in the extremophilic red alga Cyanidioschyzon merolae.	O
201	Evaluation of waterlogging tolerance using chlorophyll fluorescence reaction in the seedlings of Korean ginseng (Panax ginseng C. A. Meyer) accessions. 2022 , 49, 240-249	0
200	Integration of high-throughput phenotyping with anatomical traits of leaves to help understanding lettuce acclimation to a changing environment. 2022 , 256,	2
199	High-throughput and point-of-care detection of wheat fungal diseases: Potentialities of molecular and phenomics techniques toward in-field applicability. 4,	О
198	Effects of abiotic stress on photosystem II proteins.	O

197	Diversity of responses to nitrogen deficiency in distinct wheat genotypes reveals the role of alternative electron flows in photoprotection.	O
196	Evolutionary history constrains heat tolerance of native and exotic tropical Zingiberales.	O
195	The Protective Role of Non-photochemical Quenching in PSII Photo-susceptibility: a Case Study in the Field.	О
194	The divergence of micrometeorology sensitivity leads to changes in GPP/SIF between cork oak and poplar. 2022 , 326, 109189	O
193	Dissection of Physiological and Biochemical Bases of Drought Tolerance in Soybean (Glycine max) Using Recent Phenomics Approach. 2022 , 47-72	0
192	Effects of swallow guano level on growth and yield of baby corn infected Peronosclerospora maydis. 2022 ,	O
191	Fluorescent Imaging System-Based Plant Phenotyping for Disease Recognition. 2022, 97-107	0
190	The time course of acclimation to the stress of triose phosphate use limitation.	1
189	Thermal sensitivity across forest vertical profiles: patterns, mechanisms, and ecological implications.	О
188	An energy-saving glasshouse film reduces seasonal, and cultivar dependent Capsicum yield due to light limited photosynthesis.	O
187	Greenhouse Photoluminescent PMMA Panels Improve the Agronomical and Physiological Performances of Lettuce (Lactuca sativa L.). 2022 , 8, 913	O
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185	The interactive effects of drought and heat stress on photosynthetic efficiency and biochemical defense mechanisms of Amaranthus species. 2022 , 3, 212-225	1
184	Effectiveness of green compost mixed with phosphate sludge on the defense performance of date palm in soil with fusarium oxysporum f. sp. albedinis infestation.	O
183	Overexpression of chloroplastic Zea mays NADP-malic enzyme (ZmNADP-ME) confers tolerance to salt stress in Arabidopsis thaliana.	O
182	The Impact of Polymer on the Productivity and Photosynthesis of Soybean under Different Water Levels. 2022 , 12, 2657	O
181	Evaluation of the Spatial Representativeness of In Situ SIF Observations for the Validation of Medium-Resolution Satellite SIF Products. 2022 , 14, 5107	O
180	Environmentally relevant copper concentrations stimulate photosynthesis in Monoraphidium sp	O

179	Using Oligoagar to improve the survival rate of Neoporphyra haitanensis conchocelis infected by Vibrio mediterranei 117-T6.	0
178	Behavior of Photosystems II and I is Modulated Depending on N Partitioning to Rubisco in Mature Leaves Acclimated to Low N levels and Senescent Leaves in Rice.	O
177	Different photosynthetic adaptation of Zoysia spp. under shading: shade avoidance and shade tolerance response. 10, e14274	O
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173	Salvinia natans microplate assay: A simple and efficient method for evaluating aquatic toxicity. 2022 , 185, 114274	О
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171	How well do recently reconstructed solar-induced fluorescence datasets model gross primary productivity?. 2022 , 283, 113282	0
170	Single-walled carbon nanotubes protect photosynthetic reactions in Chlamydomonas reinhardtii against photoinhibition. 2022 , 192, 298-307	2
169	Green and blue light-dependent morphogenesis, decoupling of phycobilisomes and higher accumulation of reactive oxygen species and lipid contents in Synechococcus elongatus PCC 7942. 2023 , 205, 105105	O
168	Licorice Root Extract Boosts <i>Capsicum annuum</i> L. Production and Reduces Fruit Contamination on a Heavy Metals-Contaminated Saline Soil. 73, 1-16	O
167	Use of hemicellulose-derived xylose for environmentally sustainable starch production by mixotrophic duckweed.	1
166	Metabolomics and proteomics reveal the toxicological mechanisms of florfenicol stress on wheat (Triticum aestivum L.) seedlings. 2023 , 443, 130264	O
165	Limitations of Solar-Induced Chlorophyll Fluorescence (SIF) for Estimating Photosynthesis Under Stress.	0
164	The 5-Aminolevulinic Acid (5-ALA) Supplement Enhances PSII Photochemical Activity and Antioxidant Activity in the Late Growth Promotion of Pseudostellaria heterophylla. 2022 , 11, 3035	1
163	Photosynthetic Traits of Pfamo Plants Subjected to Short-Term Warming in OTC Chambers. 2022 , 11, 3110	O
162	Responses of Leaf Ion Content, Photosynthesis and Chlorophyll Fluorescence to Nacl Stress in Soybean. 2022 , 69,	O

161	Light acclimation interacts with thylakoid ion transport to govern the dynamics of photosynthesis in Arabidopsis.	0
160	Validation of a QTL on Chromosome 1DS Showing a Major Effect on Salt Tolerance in Winter Wheat. 2022 , 23, 13745	О
159	Elucidating the photosynthetic responses in chlorophyll-deficient soybean (Glycine max, L.) Cultivar. 2022 , 100152	0
158	Dehydration Response in Stylosanthes scabra : Transcriptional, Biochemical, and Physiological Modulations.	О
157	Active reconfiguration of cytoplasmic lipid droplets governs migration of nutrient-limited phytoplankton. 2022 , 8,	0
156	Photorespiration in eelgrass (Zostera marina L.): A photoprotection mechanism for survival in a CO2-limited world. 13,	О
155	The CRK5 and WRKY53 Are Conditional Regulators of Senescence and Stomatal Conductance in Arabidopsis. 2022 , 11, 3558	0
154	Plant disease symptom segmentation in chlorophyll fluorescence imaging with a synthetic dataset. 13,	О
153	The NDH complex reveals a trade-off that constrains maximising photosynthesis inArabidopsis thaliana.	0
152	Supplemental Foliar-Applied Magnesium Reverted Photosynthetic Inhibition and Improved Biomass Partitioning in Magnesium-Deficient Banana. 2022 , 8, 1050	О
151	Tailoring confocal microscopy for in-cell photophysiology studies.	0
150	Chlorophyll fluorescence changes, as plant early state indicator under different water salinity regimes on the invasive macrophyte Elodea canadensis (Michx., 1803). 7,	O
149	Physiological response and agronomic performance of drought tolerance mutants of Aus rice cultivar Nagina 22 (Oryza sativa L). 2023 , 290, 108760	О
148	Single and combined effects of Zn and Al on photosystem II of the green microalgae Raphidocelis subcapitata assessed by pulse-amplitude modulated (PAM) fluorometry. 2023 , 254, 106369	O
147	Light and carbon limited photosynthesis of Chlorella sorokiniana. 2023, 69, 102934	0
146	Characterization of cell death in harmful Karenia mikimotoi under algicidal activity of Marinobacter sp. O-7. 2023 , 191, 102326	O
145	Heat-induced modifications of photosynthetic electron flows in Hordeum vulgare leaves of different age. 2023 , 206, 105151	О
144	Sensitivity of solar-induced fluorescence to spectral stray light in high resolution imaging spectroscopy. 2023 , 285, 113313	О

143	Systemic acquired acclimation, network acquired acclimation and cellular light memory in plants âll Molecular, biochemical, and physiological mechanisms. 2022 ,	O
142	Assessing Potential Spontaneous Combustion of Coal Gangue Dumps after Reclamation by Simulating Alfalfa Heat Stress Based on the Spectral Features of Chlorophyll Fluorescence Parameters. 2022 , 14, 5974	O
141	Development of a Multi-Criteria Decision-Making Approach for Evaluating the Comprehensive Application of Herbaceous Peony at Low Latitudes. 2022 , 23, 14342	1
140	Triose phosphate utilization stress during photosynthesis addressed with dynamic assimilation measurements.	O
139	Can Chlorophyll a Fluorescence and Photobleaching Be a Stress Signal under Abiotic Stress in Vigna unguiculata L.?. 2022 , 14, 15503	1
138	Physiological mechanism of exogenous brassinolide alleviating salt stress injury in rice seedlings. 2022 , 12,	O
137	Temperature mapping of non-photochemical quenching in Chlorella vulgaris.	О
136	Silicon improves the photosynthetic performance of oat leaves infected with Puccinia graminis f. sp. avenae. 13,	1
135	Impact of Web Blight on Photosynthetic Performance of an Elite Common Bean Line in the Western Amazon Region of Colombia. 2022 , 11, 3238	0
134	Microwave pyrolyzed sewage sludge: influence on soil microbiology, nutrient status, and plant biomass. 2022 , 9,	O
133	Soil Treatment with Nitric Oxide-Releasing Chitosan Nanoparticles Protects the Root System and Promotes the Growth of Soybean Plants under Copper Stress. 2022 , 11, 3245	1
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131	Thermal priming and bleaching hormesis in the staghorn coral, Acropora cervicornis (Lamarck 1816). 2022 , 151820	O
130	Chlorophyll fluorometry in evaluating photosynthetic performance: key limitations, possibilities, perspectives and alternatives. 2022 , 28, 2041-2056	O
129	Responses of the growth, photosynthetic characteristics, endogenous hormones and antioxidant activity of Carpinus betulus L. seedlings to different light intensities. 13,	О
128	Particle films improve photosynthesis of Citrus trees under excess irradiance by reducing leaf temperature.	O
127	The K+exchange antiporter 3 senses the chloroplast energy status to synchronize photosynthesis.	О
126	How Do Sky Conditions Affect the Relationships Between Ground-Based Solar-Induced Chlorophyll Fluorescence and Gross Primary Productivity Across Different Plant Types?. 2022 , 127,	O

125	Exogenous acetone O-(4-chlorophenylsulfonyl) oxime alleviates Cd stress-induced photosynthetic damage and oxidative stress by regulating the antioxidant defense mechanism in Zea mays. 2022 , 28, 2069-2083	0
124	Environmental stress - what can we learn from chlorophyll a fluorescence analysis in woody plants? A review. 13,	1
123	Growth, Biomass Partitioning, and Photosynthetic Performance of Chrysanthemum Cuttings in Response to Different Light Spectra. 2022 , 11, 3337	2
122	The response of microphytobenthos to physical disturbance, herbicide, and titanium dioxide nanoparticle exposure. 2022 , 185, 114348	O
121	Genome-Wide Association Study for Non-Photochemical Quenching Traits in Oryza sativa L 2022 , 12, 3216	0
120	Trichoderma spp. Improves Flowering, Quality, and Nutritional Status of Ornamental Plants. 2022 , 23, 15662	O
119	Effects of light intensity and quality on needle physiological and biochemical traits of eighteen-year-old Pinus koraiensis trees adapted long-period to real field environment.	О
118	Conditioning of desert sandy soil and investigation of the ameliorative effects of poultry manure and bentonite treatment rate on plant growth. 82,	O
117	Drought, salt, and combined stresses in plants: Effects, tolerance mechanisms, and strategies. 2022	О
116	Characterization of mutants deficient in N-terminal phosphorylation of the chloroplast ATP synthase subunit $\ \square$	O
115	Changes in intracellular energetic and metabolite states due to increased galactolipid levels in Synechococcus elongatus PCC 7942. 2023 , 13,	0
114	Secondary Metabolites, Osmolytes and Antioxidant Activity as the Main Attributes Enhanced by Biostimulants for Growth and Resilience of Lettuce to Drought Stress.	O
113	Effects of Different Irradiance Conditions on Photosynthetic Activity, Photosystem II, Rubisco Enzyme Activity, Chloroplast Ultrastructure, and Chloroplast-Related Gene Expression in Clematis tientaiensis Leaves. 2023 , 9, 118	0
112	Opportunity and challenges of phenotyping plant salt tolerance. 2023,	О
111	Beauveria bassiana Water ExtractsâlEffect on the Growth of Wheat. 2023 , 12, 326	О
110	Response of White Cabbage (Brassica oleracea var. capitata) to Single and Repeated Short-Term Waterlogging. 2023 , 13, 200	O
109	Seed Priming of Handroanthus heptaphyllus for the Restoration of the Mining Fields. 2023, 234,	0
108	How Different Na+ Concentrations Affect Anatomical, Nutritional Physiological, Biochemical, and Morphological Aspects in Soybean Plants: A Multidisciplinary and Comparative Approach. 2023 , 13, 232	1

107	Photosynthetic Fluorescence from Earthlike Planets around Sunlike and Cool Stars. 2023, 942, 57	O
106	The ratio of electron transport to assimilation (ETR/AN): underutilized but essential for assessing both equipmental proper performance and plant status. 2023 , 257,	0
105	Transcriptomic and physiological analysis of Spirodela polyrrhiza responses to sodium nitroprusside.	0
104	Chlorophyll fluorescence of wheat leaves when infected with <i>Bipolaris sorokiniana</i>, chloride salinity and seed hyperthermia. 2023 , 52, 12-28	O
103	Effects of light intensity and quality on needle physiological and biochemical traits of eighteen-year-old Pinus koraiensis trees adapted long-period to real field environment.	0
102	Effects of plastic-derived carbon dots on germination and growth of pea (Pisum sativum) via seed nano-priming. 2023 , 137868	1
101	Decoupling physiological and non-physiological responses of sugar beet to water stress from sun-induced chlorophyll fluorescence. 2023 , 286, 113445	0
100	Analysis of photosynthetic pigments pathway produced by CO2-toxicity-induced Scenedesmus obliquus. 2023 , 867, 161309	O
99	CO2 Levels Modulate Carbon Utilization, Energy Levels and Inositol Polyphosphate Profile in Chlorella. 2023 , 12, 129	0
98	Comparison of Phenological Parameters Extracted from SIF, NDVI and NIRv Data on the Mongolian Plateau. 2023 , 15, 187	1
97	Spatiotemporal Heterogeneity of Chlorophyll Content and Fluorescence Response within Rice (Oryza sativa L.) Canopies under Different Cadmium Stress. 2023 , 13, 121	0
96	Response of Winter Wheat (Triticum aestivum L.) to Selected Biostimulants under Drought Conditions. 2023 , 13, 121	O
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94	The slow-phase of chlorophyll fluorescence induction curve reflects the electron transport rates of Photosystem II in vivo in Chlorella vulgaris.	O
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80	Highlight Induced Transcriptional Priming against a Subsequent Drought Stress in Arabidopsis thaliana. 2023 , 24, 6608	O
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77	Physiological responses of Humboldt current system diatoms to Fe and Cu co-limitation. 2023 , 187, 105937	O
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65	Halophilic soil microbial strains improve the moisture stress tolerance in oilseed crop by sustaining Photosystem II functionality. 2023 , 196, 10-22	0
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61	Integrated experimental and photo-mechanistic modelling of biomass and optical density production of fast versus slow growing model cyanobacteria. 2023 , 70, 102997	О
60	Biochemical and anatomical aspects of copper deficiency induced by high nitrogen supply in Citrus.	O
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58	High salt-induced PSI-supercomplex is associated with high CEF and attenuation of state-transitions.	Ο
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46	Leaf Functional Traits in Relation to Species Composition in an ArcticâAlpine Tundra Grassland. 2023 , 12, 1001	O
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(2023-2023)

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