Hazem M Kalaji

List of Publications by Year in Descending Order

162 papers	6,232 citations	37 h-index	76 g-index
192 ext. papers	8,215 ext. citations	3.9 avg, IF	6.13 L-index

#	Paper	IF	Citations
162	Increasing the performance of cucumber (Cucumis sativus L.) seedlings by LED illumination.. *Scientific Reports*, **2022**, 12, 852	4.9	2
161	Molybdenum-induced endogenous nitric oxide (NO) signaling coordinately enhances resilience through chlorophyll metabolism, osmolyte accumulation and antioxidant system in arsenate stressed-wheat (Triticum aestivum L.) seedlings. *Environmental Pollution*, **2022**, 292, 118268	9.3	5
160	5-Aminolevulinic Acid and 24-Epibrassinolide Improve the Drought Stress Resilience and Productivity of Banana Plants.. *Plants*, **2022**, 11,	4.5	4
159	Studying the Physiological Reactions of C4 Grasses in Order to Select Them for Cultivation on Marginal Lands. *Sustainability*, **2022**, 14, 4512	3.6	
158	The role of potassium on drought resistance of winter wheat cultivars under cold dryland conditions: Probed by chlorophyll a fluorescence.. *Plant Physiology and Biochemistry*, **2022**, 182, 45-54	5.4	0
157	Evaluation of Bacterial Perpetuation Assays and Plant Biomolecules Antimicrobial Activity against Cotton Blight Bacterium Xanthomonas citri subsp. malvacearum; An Alternative Source for Food Production and Protection. *Plants*, **2022**, 11, 1278	4.5	
156	Natural 2-Amino-3-Methylhexanoic Acid as Plant Elicitor Inducing Resistance against Temperature Stress and Pathogen Attack. *International Journal of Molecular Sciences*, **2022**, 23, 5715	6.3	0
155	Modulations in Chlorophyll a Fluorescence Based on Intensity and Spectral Variations of Light. *International Journal of Molecular Sciences*, **2022**, 23, 5599	6.3	2
154	Toxic and repellent impacts of botanical oils against Callosobruchus maculatus (Bruchidae: Coleoptera) in stored cowpea [Vigna unguiculata (L.) Walp.]. *PLoS ONE*, **2022**, 17, e0267987	3.7	0
153	Modelling the growth, development and yield of Triticum durum Desf under the changes of climatic conditions in north-eastern Europe. *Scientific Reports*, **2021**, 11, 21753	4.9	1
152	Improvement of Growth, Yield, Seed Production and Phytochemical Properties of Jamzad by Foliar Application of Boron and Zinc. *Plants*, **2021**, 10,	4.5	3
151	Potassium and melatonin-mediated regulation of fructose-1,6-bisphosphatase (FBPase) and sedoheptulose-1,7- bisphosphatase (SBPase) activity improve photosynthetic efficiency, carbon assimilation and modulate glyoxalase system accompanying tolerance to cadmium stress in tomato seedlings.. *Plant Physiology and Biochemistry*, **2021**, 171, 49-65	5.4	1
150	Foliar application of zinc oxide nanoparticles: An effective strategy to mitigate drought stress in cucumber seedling by modulating antioxidant defense system and osmolytes accumulation. *Chemosphere*, **2021**, 289, 133202	8.4	14
149	Seed priming with proline improved photosystem II efficiency and growth of wheat (Triticum aestivum L.). *BMC Plant Biology*, **2021**, 21, 502	5.3	1
148	Metabolic alterations elicited by Cd and Zn toxicity in Zea mays with the association of Claroideoglomus claroideum. *Ecotoxicology*, **2021**, 31, 92	2.9	2
147	Potassium deficiency impact on the photosynthetic apparatus efficiency of radish. *Photosynthetica*, **2021**, 59, 127-136	2.2	0
146	Tenuazonic Acid-Triggered Cell Death Is the Essential Prerequisite for (Fr.) Keissler to Infect Successfully Host. *Cells*, **2021**, 10,	7.9	2

145	Photosynthetic apparatus performance of tomato seedlings grown under various combinations of LED illumination. *PLoS ONE*, **2021**, 16, e0249373	3.7	15
144	Exogenous Potassium (K) Positively Regulates Na/H Antiport System, Carbohydrate Metabolism, and Ascorbate-Glutathione Cycle in HS-Dependent Manner in NaCl-Stressed Tomato Seedling Roots. *Plants*, **2021**, 10,	4.5	5
143	Light quality and quantity affect graft union formation of tomato plants. *Scientific Reports*, **2021**, 11, 9870	4.9	6
142	Effects of light spectrum on morpho-physiological traits of grafted tomato seedlings. *PLoS ONE*, **2021**, 16, e0250210	3.7	6
141	Tolerance and decolorization potential of duckweed (Lemna gibba) to C.I. Basic Green 4. *Scientific Reports*, **2021**, 11, 10889	4.9	0
140	Action Mode of the Mycotoxin Patulin as a Novel Natural Photosystem II Inhibitor. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 7313-7323	5.7	3
139	Effects of on Photosynthetic Characteristics and Fruit Quality of Tomato Plants. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
138	Photosynthetic efficiency of Microcystis ssp. under salt stress. *Environmental and Experimental Botany*, **2021**, 186, 104459	5.9	8
137	Synergistic Effects of Melatonin and Gamma-Aminobutyric Acid on Protection of Photosynthesis System in Response to Multiple Abiotic Stressors. *Cells*, **2021**, 10,	7.9	5
136	Functional Characterization of the Photosynthetic Machinery in Galls on the Parasitic Plant by JIP-Test. *Cells*, **2021**, 10,	7.9	6
135	Linking changes in chlorophyll a fluorescence with drought stress susceptibility in mung bean [Vigna radiata (L.) Wilczek]. *Physiologia Plantarum*, **2021**, 172, 1244-1254	4.6	9
134	Differential responses in the photosynthetic efficiency of Oryza sativa and Zea mays on exposure to Cd and Zn toxicity. *Acta Physiologiae Plantarum*, **2021**, 43, 1	2.6	12
133	Impact of gamma irradiation pretreatment on biochemical and molecular responses of potato growing under salt stress. *Chemical and Biological Technologies in Agriculture*, **2021**, 8,	4.4	4
132	Blue Light Improves Photosynthetic Performance during Healing and Acclimatization of Grafted Watermelon Seedlings. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	9
131	Impact of heavy pruning on development and photosynthesis of Tilia cordata Mill. trees. *PLoS ONE*, **2021**, 16, e0256465	3.7	4
130	Blue Light Improves Photosynthetic Performance and Biomass Partitioning toward Harvestable Organs in Saffron (L.). *Cells*, **2021**, 10,	7.9	11
129	Photosynthetic Efficiency and Anatomical Structure of Pepper Leaf (L.) Transplants Grown under High-Pressure Sodium (HPS) and Light-Emitting Diode (LED) Supplementary Lighting Systems. *Plants*, **2021**, 10,	4.5	3
128	Exogenously applied nitrogenous fertilizers and effective microorganisms improve plant growth of stevia (Stevia rebaudiana Bertoni) and soil fertility. *AMB Express*, **2021**, 11, 133	4.1	3

127	Photosynthetic performance of rocket (Eruca sativa. Mill.) grown under different regimes of light intensity, quality, and photoperiod. *PLoS ONE*, **2021**, 16, e0257745	3.7	7
126	Molecular Mechanisms of Nitric Oxide (NO) Signaling and Reactive Oxygen Species (ROS) Homeostasis during Abiotic Stresses in Plants. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	10
125	Molybdenum and hydrogen sulfide synergistically mitigate arsenic toxicity by modulating defense system, nitrogen and cysteine assimilation in faba bean (Vicia faba L.) seedlings. *Environmental Pollution*, **2021**, 290, 117953	9.3	11
124	Is Photoprotection of PSII One of the Key Mechanisms for Drought Tolerance in Maize?. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
123	Manipulation of light spectrum can improve the performance of photosynthetic apparatus of strawberry plants growing under salt and alkalinity stress.. *PLoS ONE*, **2021**, 16, e0261585	3.7	0
122	Effect of various abiotic stressors on some biochemical indices of Lepidium sativum plants. *Scientific Reports*, **2020**, 10, 21131	4.9	4
121	Experimental Investigation of Chlorella vulgaris and Enterobacter sp. MN17 for Decolorization and Removal of Heavy Metals from Textile Wastewater. *Water (Switzerland)*, **2020**, 12, 3034	3	15
120	Melatonin and calcium function synergistically to promote the resilience through ROS metabolism under arsenic-induced stress. *Journal of Hazardous Materials*, **2020**, 398, 122882	12.8	98
119	Hormesis in Plants: The Role of Oxidative Stress, Auxins and Photosynthesis in Corn Treated with Cd or Pb. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	28
118	Early Identification of Herbicide Modes of Action by the Use of Chlorophyll Fluorescence Measurements. *Plants*, **2020**, 9,	4.5	13
117	Special issue in honour of Prof. Reto J. Strasser - Development and aging of photosynthetic apparatus of Vitis vinifera L. during growing season. *Photosynthetica*, **2020**, 58, 186-193	2.2	4
116	Special issue in honour of Prof. Reto J. Strasser - Structural and functional response of photosynthetic apparatus of radish plants to iron deficiency. *Photosynthetica*, **2020**, 58, 205-213	2.2	3
115	Special issue in honour of Prof. Reto J. Strasser - JIP-test as a tool to identify salinity tolerance in sweet sorghum genotypes. *Photosynthetica*, **2020**, 58, 518-528	2.2	26
114	Special issue in honour of Prof. Reto J. Strasser - JIP-test as a tool for early detection of the macronutrients deficiency in Miscanthus plants. *Photosynthetica*, **2020**, 58, 507-517	2.2	5
113	Special issue in honour of Prof. Reto J. Strasser - Environmental pollution is reflected in the activity of the photosynthetic apparatus. *Photosynthetica*, **2020**, 58, 529-539	2.2	9
112	Special issue in honour of Prof. Reto J. Strasser - Photosynthetic efficiency of two Platanus orientalis L. ecotypes exposed to moderately high temperature - JIP-test analysis. *Photosynthetica*, **2020**, 58, 657-670	2.2	6
111	Special issue in honour of Prof. Reto J. Strasser - Phosphorus deficiency affects the I-step of chlorophyll a fluorescence induction curve of radish. *Photosynthetica*, **2020**, 58, 671-681	2.2	9
110	Special issue in honour of Prof. Reto J. Strasser - Can we predict winter survival in plants using chlorophyll a fluorescence?. *Photosynthetica*, **2020**, 58, 433-442	2.2	0

109	Special issue in honour of Prof. Reto J. Strasser Improving tolerance in seedlings of some Polish varieties of Dactylis glomerata to water deficit by application of simulated drought during seed germination. *Photosynthetica*, **2020**, 58, 540-548	2.2	4
108	Special issue in honour of Prof. Reto J. Strasser Probing the photosynthetic efficiency of some European and Anatolian Scots pine populations under UV-B radiation using polyphasic chlorophyll a fluorescence transient. *Photosynthetica*, **2020**, 58, 468-478	2.2	5
107	Physiological and molecular mechanisms of salinity tolerance in grafted cucumber. *South African Journal of Botany*, **2020**, 130, 90-102	2.9	20
106	Comparative effect of tenuazonic acid, diuron, bentazone, dibromothymoquinone and methyl viologen on the kinetics of Chl a fluorescence rise OJIP and the MR signal. *Plant Physiology and Biochemistry*, **2020**, 156, 39-48	5.4	20
105	Salt stress affects mineral nutrition in shoots and roots and chlorophyll a fluorescence of tomato plants grown in hydroponic culture. *Journal of Plant Interactions*, **2020**, 15, 398-405	3.8	11
104	RNAseq Analysis Reveals Altered Expression of Key Ion Transporters Causing Differential Uptake of Selective Ions in Canola (L.) Grown under NaCl Stress. *Plants*, **2020**, 9,	4.5	10
103	Influence of short-term macronutrient deprivation in maize on photosynthetic characteristics, transpiration and pigment content. *Scientific Reports*, **2019**, 9, 14181	4.9	14
102	Impact of Fusarium verticillioides on chlorophyll fluorescence parameters of two maize lines. *European Journal of Plant Pathology*, **2019**, 154, 337-346	2.1	15
101	Genome-Wide Associations of Chlorophyll Fluorescence OJIP Transient Parameters Connected With Soil Drought Response in Barley. *Frontiers in Plant Science*, **2019**, 10, 78	6.2	26
100	Exploration of Chlorophyll Fluorescence and Plant Gas Exchange Parameters as Indicators of Drought Tolerance in Perennial Ryegrass. *Sensors*, **2019**, 19,	3.8	51
99	Photosynthetic response in wheat plants caused by the phototoxicity of fluoranthene. *Functional Plant Biology*, **2019**, 46, 725-731	2.7	3
98	Cultivation of C4 perennial energy grasses on heavy metal contaminated arable land: Impact on soil, biomass, and photosynthetic traits. *Environmental Pollution*, **2019**, 250, 300-311	9.3	19
97	Can pyraclostrobin and epoxiconazole protect conventional and stay-green maize varieties grown under drought stress?. *PLoS ONE*, **2019**, 14, e0221116	3.7	5
96	Can just one-second measurement of chlorophyll a fluorescence be used to predict sulphur deficiency in radish (Raphanus sativus L. sativus) plants?. *Current Plant Biology*, **2019**, 19, 100096	3.3	13
95	Characterization under quasi-native conditions of the capsanthin/capsorubin synthase from Capsicum annuum L. *Plant Physiology and Biochemistry*, **2019**, 143, 165-175	5.4	5
94	Inexpensive and universal growth media for biomass production of microalgae. *Global Nest Journal*, **2019**, 21, 82-89	1.4	7
93	Phytotoxic effect of silver nanoparticles in Triticum aestivum: Improper regulation of photosystem I activity as the reason for oxidative damage in the chloroplast. *Photosynthetica*, **2019**, 57, 209-216	2.2	67
92	How glycine betaine induces tolerance of cucumber plants to salinity stress?. *Photosynthetica*, **2019** , 57, 753-761	2.2	16

91	Discovering trends in photosynthesis using modern analytical tools:More than 100 reasons to use chlorophyll fluorescence. *Photosynthetica*, **2019**, 57, 668-679	2.2	10
90	Shedding light on the presymbiontic phase of C. arietinum. *Plant Physiology and Biochemistry*, **2019**, 143, 224-231	5.4	
89	Genetic and Physiological Dissection of Photosynthesis in Barley Exposed to Drought Stress. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	13
88	How autochthonous microorganisms influence physiological status of Zea mays L. cultivated on heavy metal contaminated soils?. *Environmental Science and Pollution Research*, **2019**, 26, 4746-4763	5.1	16
87	How Kentucky bluegrass tolerate stress caused by sodium chloride used for road de-icing?. *Environmental Science and Pollution Research*, **2019**, 26, 913-922	5.1	5
86	Impact of warming and reduced precipitation on photosynthetic and remote sensing properties of peatland vegetation. *Environmental and Experimental Botany*, **2019**, 160, 71-80	5.9	21
85	Relationship between chlorophyll fluorescence parameters and quality of the fresh and stored lettuce (Lactuca sativa L.). *Scientia Horticulturae*, **2018**, 235, 70-77	4.1	6
84	Application of a diffusion model to measure ion leakage of resurrection plant leaves undergoing desiccation. *Plant Physiology and Biochemistry*, **2018**, 125, 185-192	5.4	6
83	Impact of treated wastewater and salicylic acid on physiological performance, malformation and yield of two mango cultivars. *Scientia Horticulturae*, **2018**, 233, 159-177	4.1	18
82	Altitude of origin influences the responses of PSII photochemistry to heat waves in European beech (Fagus sylvatica L.). *Environmental and Experimental Botany*, **2018**, 152, 97-106	5.9	48
81	Prompt chlorophyll fluorescence as a tool for crop phenotyping: an example of barley landraces exposed to various abiotic stress factors. *Photosynthetica*, **2018**, 56, 953-961	2.2	119
80	Effects of humic acid on photosynthetic efficiency of rapeseed plants growing under different watering conditions. *Photosynthetica*, **2018**, 56, 962-970	2.2	29
79	Impact of intraspecific competition on photosynthetic apparatus efficiency in potato (Solanum tuberosum) plants. *Photosynthetica*, **2018**, 56, 971-975	2.2	7
78	EFFECTS OF ABIOTIC FACTORS ON INTERNAL HOMEOSTASIS OF MENTHA SPICATA LEAVES. *Applied Ecology and Environmental Research*, **2018**, 16, 2537-2564	1.9	2
77	Divergent strategies displayed by potato (Solanum tuberosum L.) cultivars to cope with soil drought. *Journal of Agronomy and Crop Science*, **2018**, 204, 13-30	3.9	25
76	Chlorophyll fluorescence as a tool for nutrient status identification in rapeseed plants. *Photosynthesis Research*, **2018**, 136, 329-343	3.7	86
75	Can chlorophyll-a fluorescence parameters be used as bio-indicators to distinguish between drought and salinity stress in Tilia cordata Mill?. *Environmental and Experimental Botany*, **2018**, 152, 149-157	5.9	87
74	Inhibitory effects of silver nanoparticles on photosystem II performance in Lemna gibba probed by chlorophyll fluorescence. *Current Plant Biology*, **2018**, 16, 15-21	3.3	29

73	Survival of European Ash Seedlings Treated with Phosphite after Infection with the Hymenoscyphus fraxineus and Phytophthora Species. *Forests*, **2018**, 9, 442	2.8	9
72	Structural and functional disorder in the photosynthetic apparatus of radish plants under magnesium deficiency. *Functional Plant Biology*, **2018**, 45, 668-679	2.7	22
71	Culture density influence on the photosynthetic efficiency of microalgae growing under different spectral compositions of light. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 167, 290-298	6.7	18
70	Effectiveness of cyanobacteria and green algae in enhancing the photosynthetic performance and growth of willow (Salix viminalis L.) plants under limited synthetic fertilizers application. *Photosynthetica*, **2017**, 55, 510-521	2.2	59
69	Photosynthetic Efficiency as Bioindicator of Environmental Pressure in. *Plant Physiology*, **2017**, 175, 290-302	3.6	39
68	Biophysical Phenotyping as an Essential Tool for Understanding Host Microbe Interaction **2017**, 65-80		3
67	Synthesis and use of a catalyst in the production of biodiesel from Pongamia pinnata seed oil with dimethyl carbonate. *International Journal of Green Energy*, **2017**, 14, 624-631	3	6
66	Regulation and physiological role of silicon in alleviating drought stress of mango. *Plant Physiology and Biochemistry*, **2017**, 118, 31-44	5.4	80
65	Relationships between soil parameters and physiological status of Miscanthus x giganteus cultivated on soil contaminated with trace elements under NPK fertilisation vs. microbial inoculation. *Environmental Pollution*, **2017**, 225, 163-174	9.3	37
64	The relationship between the soil water storage and water-use efficiency of seven energy crops. *Photosynthetica*, **2017**, 55, 210-218	2.2	7
63	A comparison between different chlorophyll content meters under nutrient deficiency conditions. *Journal of Plant Nutrition*, **2017**, 40, 1024-1034	2.3	53
62	Effects of nitrogen-deficiency on efficiency of light-harvesting apparatus in radish. *Plant Physiology and Biochemistry*, **2017**, 119, 81-92	5.4	27
61	Exogenous application of nitric oxide and spermidine reduces the negative effects of salt stress on tomato. *Horticulture Environment and Biotechnology*, **2017**, 58, 537-547	2	36
60	Gas-exchange parameters and morphological features of festulolium (Festulolium braunii K. Richert A. Camus) in response to nitrogen dosage. *Photosynthetica*, **2017**, 55, 20-30	2.2	19
59	Frequently asked questions about chlorophyll fluorescence, the sequel. *Photosynthesis Research*, **2017**, 132, 13-66	3.7	268
58	Delayed chlorophyll a fluorescence, MR 820, and gas exchange changes in perennial ryegrass under salt stress. *Journal of Luminescence*, **2017**, 183, 322-333	3.8	38
57	Impact of Metal and Metal Oxide Nanoparticles on Plant: A Critical Review. *Frontiers in Chemistry*, **2017**, 5, 78	5	332
56	Chlorophyll Fluorescence, Understanding Crop Performance **2017**,		31

55	Taxonomic classification of algae by the use of chlorophyll a fluorescence. *Scientific Review Engineering and Environmental Sciences*, **2017**, 26, 470-480	0.4	1
54	The influence of phosphite treatments on oak leaves and damage caused by powdery mildew Erysiphe alphitoides. *Folia Forestalia Polonica, Series A*, **2017**, 59, 239-245	0.7	0
53	Overlapping toxic effect of long term thallium exposure on white mustard (Sinapis alba L.) photosynthetic activity. *BMC Plant Biology*, **2016**, 16, 191	5.3	16
52	Variable chlorophyll fluorescence and its use for assessing physiological condition of plant photosynthetic apparatus. *Russian Journal of Plant Physiology*, **2016**, 63, 869-893	1.6	142
51	Investigation of deleterious effects of chromium phytotoxicity and photosynthesis in wheat plant. *Photosynthetica*, **2016**, 54, 185-192	2.2	81
50	Effect of biofertilizers and putrescine amine on the physiological features and productivity of date palm (Phoenix dactylifera, L.) grown on reclaimed-salinized soil. *Trees - Structure and Function*, **2016** , 30, 1149-1161	2.6	24
49	Prompt chlorophyll a fluorescence as a rapid tool for diagnostic changes in PSII structure inhibited by salt stress in Perennial ryegrass. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 157, 22-31	6.7	89
48	Physiological and biochemical characterisation of watered and drought-stressed barley mutants in the HvDWARF gene encoding C6-oxidase involved in brassinosteroid biosynthesis. *Plant Physiology and Biochemistry*, **2016**, 99, 126-41	5.4	61
47	Acclimatization of Photosynthetic Apparatus of Tor Grass (Brachypodium pinnatum) during Expansion. *PLoS ONE*, **2016**, 11, e0156201	3.7	14
46	Risk Assessment of Urban Lake Water Quality Based on in-situ Cyanobacterial and Total Chlorophyll-a Monitoring. *Polish Journal of Environmental Studies*, **2016**, 25, 655-661	2.3	10
45	Microbial properties of soil fertilized by sewage sludge and cultivated with energy crops. *Studia Ecologiae Et Bioethicae*, **2016**, 14, 131-142	0.1	
44	Chlorophyll a fluorescence as a tool to monitor physiological status of plants under abiotic stress conditions. *Acta Physiologiae Plantarum*, **2016**, 38, 1	2.6	544
43	Response of growth, quality parameters and photosynthetic apparatus of endive plant to different culture media. *Folia Horticulturae*, **2016**, 28, 25-30	2	3
42	Effective microorganisms impact on photosynthetic activity of Arabidopsis plant grown under salinity stress conditions. *Annals of Warsaw University of Life Sciences, Land Reclamation*, **2016**, 48, 153-163		6
41	Ability of various tree species to acclimation in urban environments probed with the JIP-test. *Urban Forestry and Urban Greening*, **2015**, 14, 544-553	5.4	26
40	Correlation between reactive oxygen species production and photochemistry of photosystems I and II in Lemna gibba L. plants under salt stress. *Environmental and Experimental Botany*, **2015**, 109, 80-88	5.9	134
39	Development of insect resistant maize plants expressing a chitinase gene from the cotton leaf worm, Spodoptera littoralis. *Scientific Reports*, **2015**, 5, 18067	4.9	27
38	Evaluation the vigour of urban green lawn grown under long-term shade conditions by the use of chlorophyll fluorescence technique. *Annals of Warsaw University of Life Sciences, Land Reclamation*, **2015**, 47, 203-210		

37	Degradation and Colonization of Cellulose by Diazotrophic Strains of Paenibacillus polymyxa Isolated from Soil. *Journal of Bioremediation & Biodegradation*, **2015**, 06,	0.5	5
36	The application of potato starch effluent causes a reduction in the photosynthetic efficiency and growth of Scots pine (Pinus sylvestris L.). *Trees - Structure and Function*, **2015**, 29, 1471-1481	2.6	3
35	Low PSI content limits the photoprotection of PSI and PSII in early growth stages of chlorophyll b-deficient wheat mutant lines. *Photosynthesis Research*, **2015**, 125, 151-66	3.7	139
34	SChlorophyll a fluorescence of perennial ryegrass (Lolium perenne L.) varieties under long term exposure to shade. *Zemdirbyste*, **2015**, 102, 305-312	1.1	35
33	Is the OJIP Test a Reliable Indicator of Winter Hardiness and Freezing Tolerance of Common Wheat and Triticale under Variable Winter Environments?. *PLoS ONE*, **2015**, 10, e0134820	3.7	33
32	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?. *Photosynthesis Research*, **2014**, 119, 339-54	3.7	166
31	Identification of nutrient deficiency in maize and tomato plants by in vivo chlorophyll a fluorescence measurements. *Plant Physiology and Biochemistry*, **2014**, 81, 16-25	5.4	246
30	Evaluating the effect of rootstocks and potassium level on photosynthetic productivity and yield of pear trees. *Russian Journal of Plant Physiology*, **2014**, 61, 231-237	1.6	6
29	Reduced glutamine synthetase activity plays a role in control of photosynthetic responses to high light in barley leaves. *Plant Physiology and Biochemistry*, **2014**, 81, 74-83	5.4	51
28	Heat Signaling and Stress Responses in Photosynthesis **2014**, 241-256		10
27	Frequently asked questions about in vivo chlorophyll fluorescence: practical issues. *Photosynthesis Research*, **2014**, 122, 121-58	3.7	435
26	The Use of Chlorophyll Fluorescence Kinetics Analysis to Study the Performance of Photosynthetic Machinery in Plants **2014**, 347-384		20
25	Photosynthetic efficiency and survival of Dactylis glomerata and Lolium perenne following low temperature stress. *Russian Journal of Plant Physiology*, **2014**, 61, 281-288	1.6	6
24	Nano-CuO stress induced modulation of antioxidative defense and photosynthetic performance of Syrian barley (Hordeum vulgare L.). *Environmental and Experimental Botany*, **2014**, 102, 37-47	5.9	166
23	Low temperature and hardening effects on photosynthetic apparatus efficiency and survival of forage grass varieties. *Plant, Soil and Environment*, **2014**, 60, 177-183	2.2	20
22	Long-term mineral fertilization impact on chemical and microbiological properties of soil and Miscanthus × giganteus yield. *Plant, Soil and Environment*, **2014**, 60, 117-122	2.2	11
21	Photosynthetic proton and electron transport in wheat leaves under prolonged moderate drought stress. *Journal of Photochemistry and Photobiology B: Biology*, **2014**, 137, 107-15	6.7	107
20	Measurements of chlorophyll fluorescence in different leaf positions may detect nitrogen deficiency in wheat. *Zemdirbyste*, **2014**, 101, 437-444	1.1	37

19	Photosynthetic electron transport and specific photoprotective responses in wheat leaves under drought stress. *Photosynthesis Research*, **2013**, 117, 529-46	3.7	205
18	Identification and differential expression of two dehydrin cDNAs during maturation of Jatropha curcas seeds. *Biochemistry (Moscow)*, **2013**, 78, 485-95	2.9	6
17	The effect of light availability on leaf area index, biomass production and plant species composition of park grasslands in Warsaw . *Plant, Soil and Environment*, **2013**, 59, 543-548	2.2	8
16	Effects of Salt Stress on Photosystem II Efficiency and CO2 Assimilation in Two Syrian Barley Landraces. *Advanced Topics in Science and Technology in China*, **2013**, 768-772	0.2	1
15	Drought-induced modifications of photosynthetic electron transport in intact leaves: analysis and use of neural networks as a tool for a rapid non-invasive estimation. *Biochimica Et Biophysica Acta - Bioenergetics*, **2012**, 1817, 1490-8	4.6	118
14	Fluorescence parameters as early indicators of light stress in barley. *Journal of Photochemistry and Photobiology B: Biology*, **2012**, 112, 1-6	6.7	151
13	Photosystem II thermostability in situ: environmentally induced acclimation and genotype-specific reactions in Triticum aestivum L. *Plant Physiology and Biochemistry*, **2012**, 57, 93-105	5.4	152
12	Experimental in vivo measurements of light emission in plants: a perspective dedicated to David Walker. *Photosynthesis Research*, **2012**, 114, 69-96	3.7	107
11	Dehydroascorbate reductase and glutathione reductase play an important role in scavenging hydrogen peroxide during natural and artificial dehydration of Jatropha curcas seeds **2012**, 55, 469-480		11
10	Effects of salt stress on photosystem II efficiency and CO2 assimilation of two Syrian barley landraces. *Environmental and Experimental Botany*, **2011**, 73, 64-72	5.9	287
9	The effect of zearalenone on PSII photochemical activity and growth in wheat and soybean under salt (NaCl) stress. *Acta Physiologiae Plantarum*, **2011**, 33, 2329-2338	2.6	9
8	Chlorophyll a fluorescence--A useful tool for the early detection of temperature stress in spring barley (Hordeum vulgare L.). *OMICS A Journal of Integrative Biology*, **2011**, 15, 925-34	3.8	65
7	Canopy Architecture and Yielding of Different Tomato Morphotypes Under Glasshouse Conditions. *Vegetable Crops Research Bulletin*, **2009**, 70, 49-58		1
6	Can the Giberella zeae toxin zearalenone affect the photosynthetic productivity and increase yield formation in spring wheat and soybean plants?. *Photosynthetica*, **2009**, 47, 586-594	2.2	8
5	Photosystem II of barley seedlings under cadmium and lead stress. *Plant, Soil and Environment*, **2008**, 53, 511-516	2.2	59
4	Analysis of the gas exchange components in chilled tomato plants. *Photosynthetica*, **1997**, 34, 583-589	2.2	12
3	Salicylic acid and silicon impart resilience to lanthanum toxicity in Brassica juncea L. seedlings. *Plant Growth Regulation*,1	3.2	0
2	Efficiency of the photosynthetic apparatus in Cannabis sativa L. fertilized with sludge froma wastewater treatment plant and with phosphogypsum. *Ecological Questions*,28, 55	1.4	3

1	Seed priming of plants aiding in drought stress tolerance and faster recovery: a review. *Plant Growth Regulation*,1	3.2	4