

Otmar Urban

List of Publications by Year in descending order

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129
papers

4,408
citations

117625

34
h-index

128289

60
g-index

130
all docs

130
docs citations

130
times ranked

5585
citing authors

#	ARTICLE	IF	CITATIONS
1	A meta-analysis of the interactive effects of UV and drought on plants. <i>Plant, Cell and Environment</i> , 2022, 45, 41-54.	5.7	21
2	Interactive effects of nitrogen, UV and PAR on barley morphology and biochemistry are associated with the leaf C:N balance. <i>Plant Physiology and Biochemistry</i> , 2022, 172, 111-124.	5.8	7
3	Changes in forest nitrogen cycling across deposition gradient revealed by $\delta^{15}\text{N}$ in tree rings. <i>Environmental Pollution</i> , 2022, 304, 119104.	7.5	5
4	Combining NDVI, PRI and the quantum yield of solar-induced fluorescence improves estimations of carbon fluxes in deciduous and evergreen forests. <i>Science of the Total Environment</i> , 2022, 829, 154681.	8.0	9
5	A meta-analysis of the effects of UV radiation on the plant carotenoid pool. <i>Plant Physiology and Biochemistry</i> , 2022, 183, 36-45.	5.8	8
6	Measuring root exudate metabolites in holm oak (<i>Quercus ilex</i>) under drought and recovery. , 2022, , 17-28.		0
7	Temporal Changes in Ozone Concentrations and Their Impact on Vegetation. <i>Atmosphere</i> , 2021, 12, 82.	2.3	57
8	Non-pooled oak (<i>Quercus</i> spp.) stable isotopes reveal enhanced climate sensitivity compared to ring widths. <i>Climate Research</i> , 2021, 83, 27-41.	1.1	7
9	The dendroclimatic value of oak stable isotopes. <i>Dendrochronologia</i> , 2021, 65, 125804.	2.2	7
10	Recent European drought extremes beyond Common Era background variability. <i>Nature Geoscience</i> , 2021, 14, 190-196.	12.9	183
11	Metabolome-Wide, Phylogenetically Controlled Comparison Indicates Higher Phenolic Diversity in Tropical Tree Species. <i>Plants</i> , 2021, 10, 554.	3.5	1
12	Stable Isotopes in Tree Rings of <i>Pinus heldreichii</i> Can Indicate Climate Variability over the Eastern Mediterranean Region. <i>Forests</i> , 2021, 12, 350.	2.1	7
13	Light and CO ₂ Modulate the Accumulation and Localization of Phenolic Compounds in Barley Leaves. <i>Antioxidants</i> , 2021, 10, 385.	5.1	11
14	Dissolved and gaseous nitrogen losses in forests controlled by soil nutrient stoichiometry. <i>Environmental Research Letters</i> , 2021, 16, 064025.	5.2	9
15	Genotype and soil substrate effects on the wood quality of poplar grown in a reclaimed lignite-mining area. <i>Journal of Environmental Management</i> , 2021, 285, 112146.	7.8	1
16	Warming affects soil metabolome: The case study of Icelandic grasslands. <i>European Journal of Soil Biology</i> , 2021, 105, 103317.	3.2	4
17	Disentangling climate from soil nutrient effects on plant biomass production using a multispecies phytometer. <i>Ecosphere</i> , 2021, 12, e03719.	2.2	5
18	Ecometabolomics of plant-herbivore and plant-fungi interactions: a synthesis study. <i>Ecosphere</i> , 2021, 12, e03736.	2.2	12

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19	Implications of mistletoe parasitism for the host metabolome: A new plant identity in the forest canopy. <i>Plant, Cell and Environment</i> , 2021, 44, 3655-3666.	5.7	8
20	Environmental Effects on Normalized Gross Primary Productivity in Beech and Norway Spruce Forests. <i>Atmosphere</i> , 2021, 12, 1128.	2.3	2
21	Tree Species and Epiphyte Taxa Determine the "Metabolomic niche" of Canopy Suspended Soils in a Species-Rich Lowland Tropical Rainforest. <i>Metabolites</i> , 2021, 11, 718.	2.9	2
22	Diffuse solar radiation and canopy photosynthesis in a changing environment. <i>Agricultural and Forest Meteorology</i> , 2021, 311, 108684.	4.8	66
23	Interactive Effect of Elevated CO ₂ and Reduced Summer Precipitation on Photosynthesis is Species-Specific: The Case Study with Soil-Planted Norway Spruce and Sessile Oak in a Mountainous Forest Plot. <i>Forests</i> , 2021, 12, 42.	2.1	8
24	Barley Genotypes Vary in Stomatal Responsiveness to Light and CO ₂ Conditions. <i>Plants</i> , 2021, 10, 2533.	3.5	4
25	Improving Nitrogen Status Estimation in Malting Barley Based on Hyperspectral Reflectance and Artificial Neural Networks. <i>Agronomy</i> , 2021, 11, 2592.	3.0	5
26	The Influence of Ozone on Net Ecosystem Production of a Ryegrass-Clover Mixture under Field Conditions. <i>Atmosphere</i> , 2021, 12, 1629.	2.3	13
27	Combined Effect of Altitude, Season and Light on the Accumulation of Extractable Terpenes in Norway Spruce Needles. <i>Forests</i> , 2021, 12, 1737.	2.1	5
28	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). <i>Methods in Ecology and Evolution</i> , 2020, 11, 22-37.	5.2	68
29	Could Global Intensification of Nitrogen Fertilisation Increase Immunogenic Proteins and Favour the Spread of Coeliac Pathology?. <i>Foods</i> , 2020, 9, 1602.	4.3	9
30	The impact of drought on total ozone flux in a mountain Norway spruce forest. <i>Journal of Forest Science</i> , 2020, 66, 280-278.	1.1	12
31	³¹ P-NMR Metabolomics Revealed Species-Specific Use of Phosphorous in Trees of a French Guiana Rainforest. <i>Molecules</i> , 2020, 25, 3960.	3.8	7
32	Ecometabolomics for a Better Understanding of Plant Responses and Acclimation to Abiotic Factors Linked to Global Change. <i>Metabolites</i> , 2020, 10, 239.	2.9	39
33	Different "metabolomic niches" of the highly diverse tree species of the French Guiana rainforests. <i>Scientific Reports</i> , 2020, 10, 6937.	3.3	16
34	No Age Trends in Oak Stable Isotopes. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003831.	2.9	21
35	The transgenerational effects of solar short-UV radiation differed in two accessions of <i>Vicia faba</i> L. from contrasting UV environments. <i>Journal of Plant Physiology</i> , 2020, 248, 153145.	3.5	6
36	Application of organic carbon affects mineral nitrogen uptake by winter wheat and leaching in subsoil: Proximal sensing as a tool for agronomic practice. <i>Science of the Total Environment</i> , 2020, 717, 137058.	8.0	18

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37	Correction of PRI for carotenoid pigment pools improves photosynthesis estimation across different irradiance and temperature conditions. <i>Remote Sensing of Environment</i> , 2020, 244, 111834.	11.0	15
38	A millennium-long "Blue Ring"™ chronology from the Spanish Pyrenees reveals severe ephemeral summer cooling after volcanic eruptions. <i>Environmental Research Letters</i> , 2020, 15, 124016.	5.2	18
39	Induction of phenolic compounds by UV and PAR is modulated by leaf ontogeny and barley genotype. <i>Plant Physiology and Biochemistry</i> , 2019, 134, 81-93.	5.8	17
40	Ultraviolet radiation modulates C:N stoichiometry and biomass allocation in <i>Fagus sylvatica</i> saplings cultivated under elevated CO ₂ concentration. <i>Plant Physiology and Biochemistry</i> , 2019, 134, 103-112.	5.8	13
41	Distinct Morphological, Physiological, and Biochemical Responses to Light Quality in Barley Leaves and Roots. <i>Frontiers in Plant Science</i> , 2019, 10, 1026.	3.6	50
42	Temperature alters susceptibility of <i>Picea abies</i> seedlings to airborne pollutants: The case of CdO nanoparticles. <i>Environmental Pollution</i> , 2019, 253, 646-654.	7.5	8
43	Seasonal dynamics of stem N ₂ O exchange follow the physiological activity of boreal trees. <i>Nature Communications</i> , 2019, 10, 4989.	12.8	36
44	Ozone flux and ozone deposition in a mountain spruce forest are modulated by sky conditions. <i>Science of the Total Environment</i> , 2019, 672, 296-304.	8.0	22
45	Distinct seasonal dynamics of responses to elevated CO ₂ in two understory grass species differing in shade-tolerance. <i>Ecology and Evolution</i> , 2019, 9, 13663-13677.	1.9	6
46	Interactive effects of ultraviolet radiation and elevated CO ₂ concentration on photosynthetic characteristics of European beech saplings during the vegetation season. <i>Plant Physiology and Biochemistry</i> , 2019, 134, 20-30.	5.8	13
47	We Are What We Eat: A Stoichiometric and Ecometabolomic Study of Caterpillars Feeding on Two Pine Subspecies of <i>Pinus sylvestris</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 59.	4.1	10
48	Editorial: Interactive effects of UV-B radiation in a complex environment. <i>Plant Physiology and Biochemistry</i> , 2019, 134, 1-8.	5.8	35
49	Low temperature induced modulation of photosynthetic induction in non-acclimated and cold-acclimated <i>Arabidopsis thaliana</i> : chlorophyll a fluorescence and gas-exchange measurements. <i>Photosynthesis Research</i> , 2019, 139, 123-143.	2.9	25
50	Coping with iron limitation: a metabolomic study of <i>Synechocystis</i> sp. PCC 6803. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	7
51	Combined effects of drought and high temperature on photosynthetic characteristics in four winter wheat genotypes. <i>Field Crops Research</i> , 2018, 223, 137-149.	5.1	57
52	Interactive effects of high temperature and drought stress during stem elongation, anthesis and early grain filling on the yield formation and photosynthesis of winter wheat. <i>Field Crops Research</i> , 2018, 221, 182-195.	5.1	98
53	Combining soil and tree stem flux measurements and soil gas profiles to understand CH ₄ pathways in <i>Fagus sylvatica</i> forests. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 31-35.	1.9	51
54	Restoration of Vegetation in Relation to Soil Properties of Spoil Heap Heavily Contaminated with Heavy Metals. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 392.	2.4	34

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55	Potential of Photochemical Reflectance Index for Indicating Photochemistry and Light Use Efficiency in Leaves of European Beech and Norway Spruce Trees. <i>Remote Sensing</i> , 2018, 10, 1202.	4.0	38
56	Root exudate metabolomes change under drought and show limited capacity for recovery. <i>Scientific Reports</i> , 2018, 8, 12696.	3.3	231
57	Prediction of ozone effects on net ecosystem production of Norway spruce forest. <i>IForest</i> , 2018, 11, 743-750.	1.4	16
58	Distinct growth and physiological responses of <i>Arabidopsis thaliana</i> natural accessions to drought stress and their detection using spectral reflectance and thermal imaging. <i>Functional Plant Biology</i> , 2017, 44, 312.	2.1	11
59	Cryptogamic stem covers may contribute to nitrous oxide consumption by mature beech trees. <i>Scientific Reports</i> , 2017, 7, 13243.	3.3	17
60	Environmental plasticity of Pinot noir grapevine leaves: A trans-European study of morphological and biochemical changes along a 1,500 km latitudinal climatic gradient. <i>Plant, Cell and Environment</i> , 2017, 40, 2790-2805.	5.7	34
61	Close and distant: Contrasting the metabolism of two closely related subspecies of Scots pine under the effects of folivory and summer drought. <i>Ecology and Evolution</i> , 2017, 7, 8976-8988.	1.9	20
62	Comparison of different approaches of radiation use efficiency of biomass formation estimation in Mountain Norway spruce. <i>Trees - Structure and Function</i> , 2017, 31, 325-337.	1.9	20
63	Fluxes of biogenic volatile organic compounds above temperate Norway spruce forest of the Czech Republic. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 500-513.	4.8	31
64	Impact of Soil Warming on the Plant Metabolome of Icelandic Grasslands. <i>Metabolites</i> , 2017, 7, 44.	2.9	12
65	Application of Raman spectroscopy to analyse lignin/cellulose ratio in Norway spruce tree rings. <i>Beskydy</i> , 2017, 10, 41-48.	0.2	9
66	Long-term fertilization determines different metabolomic profiles and responses in saplings of three rainforest tree species with different adult canopy position. <i>PLoS ONE</i> , 2017, 12, e0177030.	2.5	11
67	Are the metabolomic responses to folivory of closely related plant species linked to macroevolutionary and plant-folivore coevolutionary processes?. <i>Ecology and Evolution</i> , 2016, 6, 4372-4386.	1.9	15
68	Similar local, but different systemic, metabolomic responses of closely related pine subspecies to folivory by caterpillars of the processionary moth. <i>Plant Biology</i> , 2016, 18, 484-494.	3.8	18
69	Chlorophyll a fluorescence, under half of the adaptive growth-irradiance, for high-throughput sensing of leaf-water deficit in <i>Arabidopsis thaliana</i> accessions. <i>Plant Methods</i> , 2016, 12, 46.	4.3	26
70	<i>Pinus sylvestris</i> as a missing source of nitrous oxide and methane in boreal forest. <i>Scientific Reports</i> , 2016, 6, 23410.	3.3	99
71	Enhanced thermal stability of the thylakoid membranes from spruce. A comparison with selected angiosperms. <i>Photosynthesis Research</i> , 2016, 130, 357-371.	2.9	7
72	Shoot-level terpenoids emission in Norway spruce (<i>Picea abies</i>) under natural field and manipulated laboratory conditions. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 530-538.	5.8	18

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73	Topsoil depth substantially influences the responses to drought of the foliar metabolomes of Mediterranean forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2016, 21, 41-54.	2.7	30
74	Changes of primary and secondary metabolites in barley plants exposed to CdO nanoparticles. <i>Environmental Pollution</i> , 2016, 218, 207-218.	7.5	107
75	Environmental Factors Correlated with the Metabolite Profile of <i>Vitis vinifera</i> cv. Pinot Noir Berry Skins along a European Latitudinal Gradient. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8722-8734.	5.2	52
76	Wet effluent diffusion denuder: The tool for determination of monoterpenes in forest. <i>Talanta</i> , 2016, 153, 260-267.	5.5	4
77	Photosynthetic response of mountain grassland species to drought stress is affected by UV-induced accumulation of epidermal flavonols. <i>Beskydy</i> , 2016, 9, 31-40.	0.2	4
78	Morphological, biochemical and physiological traits of upper and lower canopy leaves of European beech tend to converge with increasing altitude. <i>Tree Physiology</i> , 2015, 35, 47-60.	3.1	35
79	Ultraviolet radiation research: from the field to the laboratory and back. <i>Plant, Cell and Environment</i> , 2015, 38, 853-855.	5.7	15
80	Warming differentially influences the effects of drought on stoichiometry and metabolomics in shoots and roots. <i>New Phytologist</i> , 2015, 207, 591-603.	7.3	109
81	Ultraviolet and photosynthetically active radiation can both induce photoprotective capacity allowing barley to overcome high radiation stress. <i>Plant Physiology and Biochemistry</i> , 2015, 93, 74-83.	5.8	67
82	Does long-term cultivation of saplings under elevated CO ₂ concentration influence their photosynthetic response to temperature?. <i>Annals of Botany</i> , 2015, 116, 929-939.	2.9	24
83	Reinterpreting plant morphological responses to UV-B radiation. <i>Plant, Cell and Environment</i> , 2015, 38, 856-866.	5.7	222
84	Effect of the relative time of emergence on the growth allometry of <i>Galium aparine</i> in competition with <i>Triticum aestivum</i> . <i>Weed Biology and Management</i> , 2014, 14, 262-270.	1.4	1
85	Drought enhances folivory by shifting foliar metabolomes in <i>Quercus ilex</i> trees. <i>New Phytologist</i> , 2014, 202, 874-885.	7.3	81
86	Impact of elevated CO ₂ concentration on dynamics of leaf photosynthesis in <i>Fagus sylvatica</i> is modulated by sky conditions. <i>Environmental Pollution</i> , 2014, 185, 271-280.	7.5	39
87	Opposite metabolic responses of shoots and roots to drought. <i>Scientific Reports</i> , 2014, 4, 6829.	3.3	170
88	Response of green reflectance continuum removal index to the xanthophyll de-epoxidation cycle in Norway spruce needles. <i>Journal of Experimental Botany</i> , 2013, 64, 1817-1827.	4.8	47
89	C ₄ plants use fluctuating light less efficiently than do C ₃ plants: a study of growth, photosynthesis and carbon isotope discrimination. <i>Physiologia Plantarum</i> , 2013, 149, 528-539.	5.2	53
90	Reflectance continuum removal spectral index tracking the xanthophyll cycle photoprotective reactions in Norway spruce needles. <i>Functional Plant Biology</i> , 2012, 39, 987.	2.1	39

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91	The impact of long-term CO ₂ enrichment on sun and shade needles of Norway spruce (<i>Picea abies</i>): Photosynthetic performance, needle anatomy and phenolics accumulation. <i>Plant Science</i> , 2012, 188-189, 60-70.	3.6	15
92	Effect of season, needle age and elevated CO ₂ concentration on photosynthesis and Rubisco acclimation in <i>Picea abies</i> . <i>Plant Physiology and Biochemistry</i> , 2012, 58, 135-141.	5.8	35
93	Effect of Elevated Carbon Dioxide Concentration on Carbon Assimilation under Fluctuating Light. <i>Journal of Environmental Quality</i> , 2012, 41, 1931-1938.	2.0	14
94	Relation of Chlorophyll Fluorescence Sensitive Reflectance Ratios to Carbon Flux Measurements of Montanne Grassland and Norway Spruce Forest Ecosystems in the Temperate Zone. <i>Scientific World Journal</i> , The, 2012, 2012, 1-13.	2.1	2
95	Impact of clear and cloudy sky conditions on the vertical distribution of photosynthetic CO ₂ uptake within a spruce canopy. <i>Functional Ecology</i> , 2012, 26, 46-55.	3.6	124
96	Interactive effects of PAR and UV radiation on the physiology, morphology and leaf optical properties of two barley varieties. <i>Environmental and Experimental Botany</i> , 2012, 75, 52-64.	4.2	73
97	The influence of climate change on stomatal ozone flux to a mountain Norway spruce forest. <i>Environmental Pollution</i> , 2012, 169, 267-273.	7.5	11
98	Seasonal changes of Rubisco content and activity in <i>Fagus sylvatica</i> and <i>Picea abies</i> affected by elevated CO ₂ concentration. <i>Chemical Papers</i> , 2012, 66, .	2.2	3
99	Ozone flux over a Norway spruce forest and correlation with net ecosystem production. <i>Environmental Pollution</i> , 2011, 159, 1024-1034.	7.5	34
100	Soil [N] modulates soil C cycling in CO ₂ -enriched tree stands: a meta-analysis. <i>Plant, Cell and Environment</i> , 2010, 33, 2001-2011.	5.7	65
101	Acclimation of Norway spruce photosynthetic apparatus to the combined effect of high irradiance and temperature. <i>Journal of Plant Physiology</i> , 2010, 167, 597-605.	3.5	10
102	Blue radiation stimulates photosynthetic induction in <i>Fagus sylvatica</i> L.. <i>Photosynthetica</i> , 2009, 47, .	1.7	18
103	Photosynthetic induction in broadleaved <i>Fagus sylvatica</i> and coniferous <i>Picea abies</i> cultivated under ambient and elevated CO ₂ concentrations. <i>Plant Science</i> , 2009, 177, 123-130.	3.6	29
104	Near-distance imaging spectroscopy investigating chlorophyll fluorescence and photosynthetic activity of grassland in the daily course. <i>Functional Plant Biology</i> , 2009, 36, 1006.	2.1	13
105	Annual variation of the steady-state chlorophyll fluorescence emission of evergreen plants in temperate zone. <i>Functional Plant Biology</i> , 2008, 35, 63.	2.1	29
106	Comparison of photosynthetic induction and transient limitations during the induction phase in young and mature leaves from three poplar clones. <i>Tree Physiology</i> , 2008, 28, 1189-1197.	3.1	43
107	Induction of photosynthesis and importance of limitations during the induction phase in sun and shade leaves of five ecologically contrasting tree species from the temperate zone. <i>Tree Physiology</i> , 2007, 27, 1207-1215.	3.1	70
108	Differences in pigment composition, photosynthetic rates and chlorophyll fluorescence images of sun and shade leaves of four tree species. <i>Plant Physiology and Biochemistry</i> , 2007, 45, 577-588.	5.8	261

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109	Ecophysiological controls over the net ecosystem exchange of mountain spruce stand. Comparison of the response in direct vs. diffuse solar radiation. <i>Global Change Biology</i> , 2007, 13, 157-168.	9.5	196
110	Diurnal regulation of ribulose-1,5-bisphosphate carboxylase/oxygenase activity and its content in Norway spruce needles. <i>Photosynthetica</i> , 2007, 45, 334-339.	1.7	5
111	Temperature dependences of carbon assimilation processes in four dominant species from mountain grassland ecosystem. <i>Photosynthetica</i> , 2007, 45, 392-399.	1.7	14
112	Photosynthesis and growth response of <i>Calamagrostis arundinacea</i> and <i>C. villosa</i> to enhanced UV-B radiation. <i>Photosynthetica</i> , 2006, 44, 215-220.	1.7	24
113	Long-term effect of elevated CO ₂ on spatial differentiation of ribulose-1,5-bisphosphate carboxylase/oxygenase activity in Norway spruce canopy. <i>Photosynthetica</i> , 2005, 43, 211-216.	1.7	11
114	Diurnal dynamics of photosynthetic parameters of Norway spruce trees cultivated under ambient and elevated CO ₂ : the reasons of midday depression in CO ₂ assimilation. <i>Plant Science</i> , 2005, 168, 1371-1381.	3.6	45
115	Preliminary estimation of bryophyte biomass and carbon pool from three contrasting different vegetation types. <i>Cereal Research Communications</i> , 2005, 33, 267-270.	1.6	2
116	Effect of Norway Spruce Planting Density on Shoot Morphological Parameters. <i>Biologia Plantarum</i> , 2004, 48, 137-139.	1.9	6
117	Variability of catechin and 4-hydroxyacetophenone distribution in Norway spruce needles in relation to their position, age, and growing conditions. <i>Environmental Pollution</i> , 2004, 131, 55-59.	7.5	8
118	Control Mechanisms of Photosynthetic Capacity Under Elevated CO ₂ Concentration: Evidence from Three Experiments with Norway Spruce Trees. <i>Photosynthetica</i> , 2003, 41, 69-75.	1.7	12
119	Physiological Impacts of Elevated CO ₂ Concentration Ranging from Molecular to Whole Plant Responses. <i>Photosynthetica</i> , 2003, 41, 9-20.	1.7	129
120	Response of Photosynthetic Apparatus of Spring Barley (<i>Hordeum vulgare</i> L.) to Combined Effect of Elevated CO ₂ Concentration and Different Growth Irradiance. <i>Photosynthetica</i> , 2003, 41, 209-219.	1.7	15
121	Acclimation of Two Distinct Plant Species, Spring Barley and Norway Spruce, to Combined Effect of Various Irradiance and CO ₂ Concentration During Cultivation in Controlled Environment. <i>Photosynthetica</i> , 2003, 41, 513-523.	1.7	22
122	Characterization of acclimation of <i>Hordeum vulgare</i> to high irradiation based on different responses of photosynthetic activity and pigment composition. <i>Photosynthesis Research</i> , 2002, 72, 71-83.	2.9	29
123	Photosynthetic Assimilation of Sun versus Shade Norway Spruce [<i>Picea abies</i> (L.) Karst] Needles Under the Long-Term Impact of Elevated CO ₂ Concentration. <i>Photosynthetica</i> , 2002, 40, 259-267.	1.7	17
124	Different Responses of Norway Spruce Needles from Shaded and Exposed Crown Layers to the Prolonged Exposure to Elevated CO ₂ Studied by Various Chlorophyll a Fluorescence Techniques. <i>Photosynthetica</i> , 2001, 39, 369-376.	1.7	13
125	Class Domes with Adjustable Windows: A Novel Technique for Exposing Juvenile Forest Stands to Elevated CO ₂ Concentration. <i>Photosynthetica</i> , 2001, 39, 395-401.	1.7	43
126	Chlorophyll a Fluorescence Response of Norway Spruce Needles to the Long-Term Effect of Elevated CO ₂ in Relation to Their Position Within the Canopy. <i>Photosynthetica</i> , 2001, 39, 437-445.	1.7	7

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127	Seasonal Changes of Selected Parameters of CO ₂ Fixation Biochemistry of Norway Spruce Under the Long-Term Impact of Elevated CO ₂ . <i>Photosynthetica</i> , 1999, 36, 533-545.	1.7	21
128	Single-Turnover Flashes to Saturate the Q _A Reduction in a Leaf were Generated by the Light-Emitting Diodes from a Double Modulation Kinetic Chlorophyll Fluorometer. <i>Photosynthetica</i> , 1999, 37, 201-207.	1.7	8
129	Chloroplastic Carbon Dioxide Concentration in Norway Spruce (<i>Picea Abies</i> [L.] Karst.) needles relates to the position within the crown. <i>Photosynthetica</i> , 1998, 35, 561-571.	1.7	21