Christian KÃ¶rner

List of Publications by Year
in descending order

262 papers	31,855 citations	3933 88 h-index	5829 161 g-index
404 all docs	404 docs citations	404 times ranked	23019 citing authors

#	Article	IF	Citations
1	A hierarchical inventory of the worldâ€™s mountains for global comparative mountain science. Scientific Data, 2022, 9, 149.	5.3	20
2	The forestâ€™s nutrient cycle drives its carbon cycle. Tree Physiology, 2022, 42, 425-427.	3.1	3
3	Limits and Strengths of Tree-Ring Stable Isotopes. Tree Physiology, 2022, , 399-428.	2.5	7
4	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO₂. New Phytologist, 2021, 229, 2413-2445.	7.3	286
5	Water and nutrient relations of mistletoes at the drought limit of their hosting evergreen oaks in the semiarid upper Yangtze region, SW China. Trees - Structure and Function, 2021, 35, 387-394.	1.9	1
6	Water relations of â€œtrailingâ€•edgeâ€•evergreen oaks in the semiâ€arid upper Yangtze region, SE Himalaya. Journal of Systematics and Evolution, 2021, , .	3.1	5
7	Carbon investments. , 2021, , 309-333.		0
8	Climatic stress. , 2021, , 175-201.		0
9	The alpine life zone. , 2021, , 23-51.		2
10	Alpine treelines. , 2021, , 141-173.		5
11	Plant reproduction. , 2021, , 395-449.		1
12	Global change at high elevation. , 2021, , 451-483.		1
13	Cell division and tissue formation. , 2021, , 355-373.		0
14	Plant ecology at high elevations. , 2021, , 1-22.		2
15	The climate plants experience. , 2021, , 65-88.		2
16	Plant biomass production. , 2021, , 375-394.		0
17	Alpine soils. , 2021, , 119-140.		0
18	Populations-und VegetationsÃ¶kologie. , 2021, , 1013-1054.		0

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19	Mineral nutrition. , 2021, , 237-268.		2
20	Elevation-specific responses of phenology in evergreen oaks from their low-dry to their extreme high-cold range limits in the SE Himalaya. Alpine Botany, 2021, 131, 89-102.	2.4	4
21	Rhizosphere â€˜Tradeâ€™ Is an Unnecessary Analogy: Response to NoÃ«. Trends in Ecology and Evolution, 2021, 36, 176-177.	8.7	4
22	Flowering phenology in alpine grassland strongly responds to shifts in snowmelt but weakly to summer drought. Alpine Botany, 2021, 131, 73-88.	2.4	19
23	Upregulation of HLA-F expression by BK polyomavirus infection induces immune recognition by KIR3DS1-positive natural killer cells. Kidney International, 2021, 99, 1140-1148.	5.2	9
24	Biomass allocation and seasonal non-structural carbohydrate dynamics do not explain the success of tall forbs in short alpine grassland. Oecologia, 2021, 197, 1063-1077.	2.0	13
25	â€˜Fading of the temperatureâ€growth couplingâ€™ in treeline trees reflects a conceptual bias. Global Change Biology, 2021, 27, 3951-3952.	9.5	13
26	The cold range limit of trees. Trends in Ecology and Evolution, 2021, 36, 979-989.	8.7	61
27	Why Is the Alpine Flora Comparatively Robust against Climatic Warming?. Diversity, 2021, 13, 383.	1.7	51
28	Mountain definitions and their consequences. Alpine Botany, 2021, 131, 213-217.	2.4	23
29	KIR3DS1 directs NK cellâ€“mediated protection against human adenovirus infections. Science Immunology, 2021, 6, eabe2942.	11.9	8
30	Life under and in snow: protection and limitation. , 2021, , 89-118.		1
31	Alpine climate. , 2021, , 53-64.		0
32	Uptake and loss of carbon. , 2021, , 269-308.		0
33	Alpine Plant Life. , 2021, , .		116
34	Water relations. , 2021, , 203-236.		1
35	Pflanzen im Lebensraum. , 2021, , 947-1012.		0
36	Soil invertebrate abundance, diversity, and community composition across steep high elevation snowmelt gradients in the European Alps. Arctic, Antarctic, and Alpine Research, 2021, 53, 288-299.	1.1	4

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37	Plant Adaptations to Alpine Environments. , 2020, , 355-361.		3
38	Halving sunlight reveals no carbon limitation of aboveground biomass production in alpine grassland. Global Change Biology, 2020, 26, 1857-1872.	9.5	17
39	High Metabolic Function and Resilience of NKG2A-Educated NK Cells. Frontiers in Immunology, 2020, 11, 559576.	4.8	13
40	Surplus Carbon Drives Allocation and Plantâ€“Soil Interactions. Trends in Ecology and Evolution, 2020, 35, 1110-1118.	8.7	171
41	Distinct Signatures in the Receptor Repertoire Discriminate CD56bright and CD56dim Natural Killer Cells. Frontiers in Immunology, 2020, 11, 568927.	4.8	12
42	Explaining the exceptional 4270Âm high elevation limit of an evergreen oak in the south-eastern Himalayas. Tree Physiology, 2020, 40, 1327-1342.	3.1	13
43	Experiments by Nature: Strength in Realism. , 2020, , 236-240.		0
44	Climatic Controls of the Global High Elevation Treelines. , 2020, , 275-281.		6
45	Share the wealth: Trees with greater ectomycorrhizal species overlap share more carbon. Molecular Ecology, 2020, 29, 2321-2333.	3.9	42
46	A first assessment of the impact of the extreme 2018 summer drought on Central European forests. Basic and Applied Ecology, 2020, 45, 86-103.	2.7	482
47	Tools Shape Paradigms of Plant-Environment Interactions. Progress in Botany Fortschritte Der Botanik, 2020, , 1-41.	0.3	3
48	A subset of HLA-DP molecules serve as ligands for the natural cytotoxicity receptor NKp44. Nature Immunology, 2019, 20, 1129-1137.	14.5	59
49	Life at 0ÂÂ°C: the biology of the alpine snowbed plant Soldanella pusilla. Alpine Botany, 2019, 129, 63-80.	2.4	38
50	Increased Nitrogen Availability in the Soil Under Mature Picea abies Trees Exposed to Elevated CO2 Concentrations. Frontiers in Forests and Global Change, 2019, 2, .	2.3	14
51	A Humboldtian view of mountains. Science, 2019, 365, 1061-1061.	12.6	20
52	Limited capacity of tree growth to mitigate the global greenhouse effect under predicted warming. Nature Communications, 2019, 10, 2171.	12.8	92
53	No need for pipes when the well is dryâ€”a comment on hydraulic failure in trees. Tree Physiology, 2019, 39, 695-700.	3.1	71
54	Twelve years of low nutrient input stimulates growth of trees and dwarf shrubs in the treeline ecotone. Journal of Ecology, 2019, 107, 768-780.	4.0	23

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55	Flowerâ€visitor communities of an arctoâ€alpine plantâ€"Global patterns in species richness, phylogenetic diversity and ecological functioning. Molecular Ecology, 2019, 28, 318-335.	3.9	15
56	Alpine Ecosystems and the High-Elevation Treeline. , 2019, , 407-413.		1
57	A bioclimatic characterization of high elevation habitats in the Alborz mountains of Iran. Alpine Botany, 2018, 128, 1-11.	2.4	34
58	Alnus shrub expansion increases evapotranspiration in the Swiss Alps. Regional Environmental Change, 2018, 18, 1375-1385.	2.9	15
59	The 90 ways to describe plant temperature. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 30, 16-21.	2.7	119
60	Concepts in empirical plant ecology. Plant Ecology and Diversity, 2018, 11, 405-428.	2.4	37
61	Losing half the conductive area hardly impacts the water status of mature trees. Scientific Reports, 2018, 8, 15006.	3.3	39
62	Climate and soils together regulate photosynthetic carbon isotope discrimination within C₃ plants worldwide. Global Ecology and Biogeography, 2018, 27, 1056-1067.	5.8	85
63	Advances in Monitoring and Modelling Climate at Ecologically Relevant Scales. Advances in Ecological Research, 2018, , 101-161.	2.7	146
64	A matter of tree longevity. Science, 2017, 355, 130-131.	12.6	158
65	When metaâ€analysis fails: A case about stomata. Global Change Biology, 2017, 23, 2533-2534.	9.5	8
66	A global inventory of mountains for bio-geographical applications. Alpine Botany, 2017, 127, 1-15.	2.4	217
67	Low temperature limits for root growth in alpine species are set by cell differentiation. AoB PLANTS, 2017, 9, plx054.	2.3	24
68	Plant adaptation to cold climates. F1000Research, 2016, 5, 2769.	1.6	110
69	Growth and carbon relations of mature Picea abies trees under 5Âyears of freeâ€air CO₂ enrichment. Journal of Ecology, 2016, 104, 1720-1733.	4.0	68
70	Carbon and nitrogen stable isotope signals for an entire alpine flora, based on herbarium samples. Alpine Botany, 2016, 126, 153-166.	2.4	25
71	Convergence of leafâ€out towards minimum risk of freezing damage in temperate trees. Functional Ecology, 2016, 30, 1480-1490.	3.6	59
72	Where, why and how? Explaining the lowâ€temperature range limits of temperate tree species. Journal of Ecology, 2016, 104, 1076-1088.	4.0	171

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73	Belowground carbon trade among tall trees in a temperate forest. Science, 2016, 352, 342-344.	12.6	182
74	Shrub Expansion of Alnus viridis Drives Former Montane Grassland into Nitrogen Saturation. Ecosystems, 2016, 19, 968-985.	3.4	31
75	Emerging opportunities and challenges in phenology: a review. Ecosphere, 2016, 7, e01436.	2.2	225
76	When it gets cold, plant size matters â€“ a comment on treeline. Journal of Vegetation Science, 2016, 27, 6-7.	2.2	29
77	Biomass turnover time in terrestrial ecosystems halved by land use. Nature Geoscience, 2016, 9, 674-678.	12.9	108
78	A dynamic leaf gasâ€exchange strategy is conserved in woody plants under changing ambient CO₂: evidence from carbon isotope discrimination in paleo and CO₂ enrichment studies. Global Change Biology, 2016, 22, 889-902.	9.5	106
79	Photosynthetic enhancement and diurnal stem and soil carbon fluxes in a mature Norway spruce stand under elevated CO2. Environmental and Experimental Botany, 2016, 124, 110-119.	4.2	10
80	The â€˜island effectâ€™ in terrestrial global change experiments: a problem with no solution?. AoB PLANTS, 2015, 7, plv092.	2.3	17
81	Water availability predicts forest canopy height at the globalÂscale. Ecology Letters, 2015, 18, 1311-1320.	6.4	87
82	Species specific and environment induced variation of ÃŽÂ´13C and ÃŽÂ´15N in alpine plants. Frontiers in Plant Science, 2015, 6, 423.	3.6	31
83	Biogeography of photoautotrophs in the high polar biome. Frontiers in Plant Science, 2015, 6, 692.	3.6	56
84	Respiratory fluxes and fine root responses in mature Picea abies trees exposed to elevated atmospheric CO2 concentrations. Biogeochemistry, 2015, 124, 95-111.	3.5	11
85	Paradigm shift in plant growth control. Current Opinion in Plant Biology, 2015, 25, 107-114.	7.1	516
86	Defoliation reduces growth but not carbon reserves in Mediterranean Pinus pinaster trees. Trees - Structure and Function, 2015, 29, 1187-1196.	1.9	44
87	Alnus viridis expansion contributes to excess reactive nitrogen release, reduces biodiversity and constrains forest succession in the Alps. Alpine Botany, 2014, 124, 187-191.	2.4	32
88	The interaction between freezing tolerance and phenology in temperate deciduous trees. Frontiers in Plant Science, 2014, 5, 541.	3.6	229
89	Multiple mycorrhization at the coldest place known for Angiosperm plant life. Alpine Botany, 2014, 124, 193-198.	2.4	30
90	Drought stress, growth and nonstructural carbohydrate dynamics of pine trees in a semi-arid forest. Tree Physiology, 2014, 34, 981-992.	3.1	136

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91	Does carbon storage limit tree growth?. New Phytologist, 2014, 201, 1096-1100.	7.3	212
92	Moving beyond photosynthesis: from carbon source to sinkâ€driven vegetation modeling. New Phytologist, 2014, 201, 1086-1095.	7.3	421
93	Growth and carbon relations of temperate deciduous tree species at their upper elevation range limit. Journal of Ecology, 2014, 102, 1537-1548.	4.0	25
94	Genetic vs. nonâ€genetic responses of leaf morphology and growth to elevation in temperate tree species. Functional Ecology, 2014, 28, 243-252.	3.6	39
95	A climate-based model to predict potential treeline position around the globe. Alpine Botany, 2014, 124, 1-12.	2.4	195
96	Thermal imaging reveals massive heat accumulation in flowers across a broad spectrum of alpine taxa. Alpine Botany, 2014, 124, 27-35.	2.4	44
97	Long-term 13C labeling provides evidence for temporal and spatial carbon allocation patterns in mature Picea abies. Oecologia, 2014, 175, 747-762.	2.0	35
98	Spring frost and growing season length coâ€control the cold range limits of broadâ€leaved trees. Journal of Biogeography, 2014, 41, 773-783.	3.0	105
99	Warum gibt es eine Waldgrenze?. Biologie in Unserer Zeit, 2014, 44, 250-257.	0.2	0
100	Physiological minimum temperatures for root growth in seven common European broad-leaved tree species. Tree Physiology, 2014, 34, 302-313.	3.1	59
101	Spring patterns of freezing resistance and photosynthesis of two leaf phenotypes of Hedera helix. Basic and Applied Ecology, 2014, 15, 543-550.	2.7	10
102	Ecological consequences of the expansion of N2-fixing plants in cold biomes. Oecologia, 2014, 176, 11-24.	2.0	55
103	Photoperiod and temperature responses of bud swelling and bud burst in four temperate forest tree species. Tree Physiology, 2014, 34, 377-388.	3.1	167
104	Earlier leafâ€out rather than difference in freezing resistance puts juvenile trees at greater risk of damage than adult trees. Journal of Ecology, 2014, 102, 981-988.	4.0	83
105	How accurately can minimum temperatures at the cold limits of tree species be extrapolated from weather station data?. Agricultural and Forest Meteorology, 2014, 184, 257-266.	4.8	46
106	Mountain ecosystems in a changing environment. Eco Mont, 2014, 6, 71-77.	0.1	7
107	Fruit production in three masting tree species does not rely on stored carbon reserves. Oecologia, 2013, 171, 653-662.	2.0	93
108	Elevational adaptation and plasticity in seedling phenology of temperate deciduous tree species. Oecologia, 2013, 171, 663-678.	2.0	122

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109	Plant species dominance shifts across erosion edgeâ€“meadow transects in the Swiss Alps. Oecologia, 2013, 171, 693-703.	2.0	17
110	European deciduous trees exhibit similar safety margins against damage by spring freeze events along elevational gradients. New Phytologist, 2013, 200, 1166-1175.	7.3	144
111	Leaf turnover and herbivory in the tall tussock grass Festuca orthophylla in the Andean Altiplano. Alpine Botany, 2013, 123, 13-20.	2.4	10
112	Central <scp>E</scp>uropean hardwood trees in a highâ€<scp>CO</scp>₂ future: synthesis of an 8â€year forest canopy <scp>CO</scp>₂ enrichment project. Journal of Ecology, 2013, 101, 1509-1519.	4.0	141
113	Vegetation of the Earth. , 2013, , 1217-1262.		0
114	Climate and plant cover co-determine the elevational reduction in evapotranspiration in the Swiss Alps. Journal of Hydrology, 2013, 500, 75-83.	5.4	24
115	Tropical forest responses to increasing atmospheric CO2: current knowledge and opportunities for future research. Functional Plant Biology, 2013, 40, 531.	2.1	118
116	On the use of elevation, altitude, and height in the ecological and climatological literature. Oecologia, 2013, 171, 335-337.	2.0	79
117	Hydrological consequences of declining land use and elevated <scp>CO₂</scp> in alpine grassland. Journal of Ecology, 2013, 101, 86-96.	4.0	23
118	Response: complexities of sustainable forest use. GCB Bioenergy, 2013, 5, 1-2.	5.6	20
119	An alpine treeline in a carbon dioxide-rich world: synthesis of a nine-year free-air carbon dioxide enrichment study. Oecologia, 2013, 171, 623-637.	2.0	73
120	Alpine Ecosystems. , 2013, , 148-157.		9
121	Do the elevational limits of deciduous tree species match their thermal latitudinal limits?. Global Ecology and Biogeography, 2013, 22, 913-923.	5.8	52
122	Inter- and intra-annual stable carbon and oxygen isotope signals in response to drought in Mediterranean pines. Agricultural and Forest Meteorology, 2013, 168, 59-68.	4.8	133
123	No slope exposure effect on alpine treeline position in the Three Parallel Rivers Region, SW China. Alpine Botany, 2013, 123, 87-95.	2.4	15
124	A greener Greenland? Climatic potential and long-term constraints on future expansions of trees and shrubs. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120479.	4.0	74
125	Plantâ€“Environment Interactions. , 2013, , 1065-1166.		11
126	Early season temperature controls cambial activity and total tree ring width at the alpine treeline. Plant Ecology and Diversity, 2013, 6, 365-375.	2.4	67

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127	Forest soil respiration reflects plant productivity across a temperature gradient in the Alps. Oecologia, 2012, 170, 1143-1154.	2.0	26
128	When growth controls photosynthesis. , 2012, , .		3
129	Variation of mobile carbon reserves in trees at the alpine treeline ecotone is under environmental control. New Phytologist, 2012, 195, 794-802.	7.3	58
130	Photoperiod sensitivity of bud burst in 14 temperate forest tree species. Agricultural and Forest Meteorology, 2012, 165, 73-81.	4.8	288
131	Tree rings and volcanic cooling. Nature Geoscience, 2012, 5, 836-837.	12.9	137
132	Alpine Treelines. , 2012, , .		508
133	Treelines Will be Understood Once the Functional Difference Between a Tree and a Shrub Is. Ambio, 2012, 41, 197-206.	5.5	104
134	Increased nitrate availability in the soil of a mixed mature temperate forest subjected to elevated <scp>CO</scp>₂ concentration (canopy <scp>FACE</scp>). Global Change Biology, 2012, 18, 757-768.	9.5	47
135	No growth stimulation by <scp>CO</scp>₂ enrichment in alpine glacier forefield plants. Global Change Biology, 2012, 18, 985-999.	9.5	69
136	Tree recruitment of European tree species at their current upper elevational limits in the Swiss Alps. Journal of Biogeography, 2012, 39, 1439-1449.	3.0	67
137	Largeâ€scale bioenergy from additional harvest of forest biomass is neither sustainable nor greenhouse gas neutral. GCB Bioenergy, 2012, 4, 611-616.	5.6	252
138	Precipitation manipulation experiments â€“ challenges and recommendations for the future. Ecology Letters, 2012, 15, 899-911.	6.4	411
139	Global patterns of mobile carbon stores in trees at the highâ€elevation tree line. Global Ecology and Biogeography, 2012, 21, 861-871.	5.8	175
140	Speciesâ€specific tree growth responses to 9â€ƒyears of CO₂ enrichment at the alpine treeline. Journal of Ecology, 2011, 99, 383-394.	4.0	50
141	Mountain biodiversity. Plant Ecology and Diversity, 2011, 4, 301-302.	2.4	66
142	Drought-sensitivity ranking of deciduous tree species based on thermal imaging of forest canopies. Agricultural and Forest Meteorology, 2011, 151, 1632-1640.	4.8	121
143	Do global change experiments overestimate impacts on terrestrial ecosystems?. Trends in Ecology and Evolution, 2011, 26, 236-241.	8.7	300
144	The Grand Challenges in Functional Plant Ecology. Frontiers in Plant Science, 2011, 2, 1.	3.6	155

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145	Topographically controlled thermal-habitat differentiation buffers alpine plant diversity against climate warming. Journal of Biogeography, 2011, 38, 406-416.	3.0	611
146	Impact of recent climatic change on growth of low elevation eastern Mediterranean forest trees. Climatic Change, 2011, 106, 203-223.	3.6	103
147	Elevational species shifts in a warmer climate are overestimated when based on weather station data. International Journal of Biometeorology, 2011, 55, 645-654.	3.0	80
148	Coldest places on earth with angiosperm plant life. Alpine Botany, 2011, 121, 11-22.	2.4	96
149	Fine root traits in adult trees of evergreen and deciduous taxa from low and high elevation in the Alps. Alpine Botany, 2011, 121, 107-112.	2.4	17
150	A definition of mountains and their bioclimatic belts for global comparisons of biodiversity data. Alpine Botany, 2011, 121, 73.	2.4	239
151	Drought at erosion edges selects for a â€˜hiddenâ€™ keystone species. Plant Ecology and Diversity, 2011, 4, 303-311.	2.4	13
152	Infraâ€red thermometry of alpine landscapes challenges climatic warming projections. Global Change Biology, 2010, 16, 2602-2613.	9.5	208
153	Sustained enhancement of photosynthesis in mature deciduous forest trees after 8Âyears of free air CO2 enrichment. Planta, 2010, 232, 1115-1125.	3.2	96
154	Phylogenetically balanced evidence for structural and carbon isotope responses in plants along elevational gradients. Oecologia, 2010, 162, 853-863.	2.0	80
155	Rainfall distribution is the main driver of runoff under future CO₂â€concentration in a temperate deciduous forest. Global Change Biology, 2010, 16, 246-254.	9.5	68
156	Reduced early growing season freezing resistance in alpine treeline plants under elevated atmospheric CO₂. Global Change Biology, 2010, 16, 1057-1070.	9.5	71
157	No overall stimulation of soil respiration under mature deciduous forest trees after 7 years of CO₂ enrichment. Global Change Biology, 2010, 16, 2830-2843.	9.5	41
158	Phenology Under Global Warming. Science, 2010, 327, 1461-1462.	12.6	842
159	Responseâ€”Warming, Photoperiods, and Tree Phenology. Science, 2010, 329, 278-278.	12.6	25
160	Biomass allocation in herbaceous plants under grazing impact in the high semi-arid Andes. Flora: Morphology, Distribution, Functional Ecology of Plants, 2010, 205, 695-703.	1.2	56
161	Challenges in elevated CO2 experiments on forests. Trends in Plant Science, 2010, 15, 5-10.	8.8	46
162	Tree surface temperature in an urban environment. Agricultural and Forest Meteorology, 2010, 150, 56-62.	4.8	240

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163	Nitrogen status of conifer needles at the alpine treeline. Plant Ecology and Diversity, 2009, 2, 233-241.	2.4	47
164	Poor methodology for predicting large-scale tree die-off. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, E106-E106.	7.1	34
165	Higher plant diversity enhances soil stability in disturbed alpine ecosystems. Plant and Soil, 2009, 324, 91-102.	3.7	186
166	Elevational trends of biodiversity and plant traits do not convergeâ€"a test in the Helan Range, NW China. Plant Ecology, 2009, 205, 273-283.	1.6	16
167	Fine root responses of mature deciduous forest trees to free air carbon dioxide enrichment (FACE). Functional Ecology, 2009, 23, 913-921.	3.6	54
168	Growth and carbon relations of tree line forming conifers at constant vs. variable low temperatures. Journal of Ecology, 2009, 97, 57-66.	4.0	94
169	Tropical epiphytes in a CO2-rich atmosphere. Acta Oecologica, 2009, 35, 60-68.	1.1	21
170	Responses of Humid Tropical Trees to Rising CO2. Annual Review of Ecology, Evolution, and Systematics, 2009, 40, 61-79.	8.3	109
171	Windthrow damage in Picea abies is associated with physical and chemical stem wood properties. Trees - Structure and Function, 2008, 22, 463-473.	1.9	19
172	Small differences in arrival time influence composition and productivity of plant communities. New Phytologist, 2008, 177, 698-705.	7.3	150
173	Winter crop growth at low temperature may hold the answer for alpine treeline formation. Plant Ecology and Diversity, 2008, 1, 3-11.	2.4	79
174	The Ecological Significance of Pubescence in Saussurea Medusa, a High-Elevation Himalayan â€œWoolly Plantâ€• Arctic, Antarctic, and Alpine Research, 2008, 40, 250-255.	1.1	38
175	Effects of 4years of CO2 enrichment on the abundance of leaf-galls and leaf-mines in mature oaks. Acta Oecologica, 2008, 34, 139-146.	1.1	4
176	Tree species diversity affects canopy leaf temperatures in a mature temperate forest. Agricultural and Forest Meteorology, 2007, 146, 29-37.	4.8	172
177	The use of â€˜altitudeâ€™ in ecological research. Trends in Ecology and Evolution, 2007, 22, 569-574.	8.7	2,120
178	Creative Use of Mountain Biodiversity Databases: The Kazbegi Research Agenda of GMBA-DIVERSITAS. Mountain Research and Development, 2007, 27, 276-281.	1.0	16
179	Plant Growth Modelling and Applications: The Increasing Importance of Plant Architecture in Growth Models. Annals of Botany, 2007, 101, 1053-1063.	2.9	220
180	CO2 Fertilization: When, Where, How Much?. , 2007, , 9-21.		60

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181	Ecological and Land Use Studies Along Elevational Gradients. Mountain Research and Development, 2007, 27, 58-65.	1.0	135
182	The underestimated importance of belowground carbon input for forest soil animal food webs. Ecology Letters, 2007, 10, 729-736.	6.4	317
183	Recent decline in precipitation and tree growth in the eastern Mediterranean. Global Change Biology, 2007, 13, 1187-1200.	9.5	245
184	Water savings in mature deciduous forest trees under elevated CO₂. Global Change Biology, 2007, 13, 2498-2508.	9.5	135
185	Rapid mixing between old and new C pools in the canopy of mature forest trees. Plant, Cell and Environment, 2007, 30, 963-972.	5.7	76
186	Stomatal conductance in mature deciduous forest trees exposed to elevated CO2. Trees - Structure and Function, 2007, 21, 151-159.	1.9	60
187	Climatic treelines: conventions, global patterns, causes. Erdkunde, 2007, 61, 316-324.	0.8	129
188	Canopy CO 2 enrichment permits tracing the fate of recently assimilated carbon in a mature deciduous forest. New Phytologist, 2006, 172, 319-329.	7.3	130
189	Growth and phenology of mature temperate forest trees in elevated CO2. Global Change Biology, 2006, 12, 848-861.	9.5	114
190	Conifer stem growth at the altitudinal treeline in response to four years of CO2 enrichment. Global Change Biology, 2006, 12, 2417-2430.	9.5	75
191	Plant CO 2 responses: an issue of definition, time and resource supply. New Phytologist, 2006, 172, 393-411.	7.3	552
192	End of season carbon supply status of woody species near the treeline in western China. Basic and Applied Ecology, 2006, 7, 370-377.	2.7	75
193	A Test of Treeline Theory on a Montane Permafrost Island. Arctic, Antarctic, and Alpine Research, 2006, 38, 113-119.	1.1	88
194	Construction costs, chemical composition and payback time of high- and low-irradiance leaves. Journal of Experimental Botany, 2006, 57, 355-371.	4.8	181
195	Inorganic nitrogen storage in alpine snow pack in the Central Alps (Switzerland). Atmospheric Environment, 2005, 39, 2249-2259.	4.1	66
196	Tissue-specific variation of Î´13C in mature canopy trees in a temperate forest in central Europe. Basic and Applied Ecology, 2005, 6, 519-534.	2.7	26
197	Non-structural carbohydrate pools in a tropical forest. Oecologia, 2005, 143, 11-24.	2.0	302
198	Long-term increase in climatic dryness in the East-Mediterranean as evidenced for the island of Samos. Regional Environmental Change, 2005, 5, 27-36.	2.9	72

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199	A TEST OF THE TREELINE CARBON LIMITATION HYPOTHESIS BY IN SITU CO2ENRICHMENT AND DEFOLIATION. Ecology, 2005, 86, 1288-1300.	3.2	119
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