Chris Field

List of Publications by Year
in descending order

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248 papers	57,517 citations	1612 108 h-index	1551 223 g-index
251 all docs	251 docs citations	251 times ranked	55660 citing authors

#	Article	IF	Citations
1	Long-term warming in a Mediterranean-type grassland affects soil bacterial functional potential but not bacterial taxonomic composition. Npj Biofilms and Microbiomes, 2021, 7, 17.	2.9	12
2	An Ecosystem-Scale Flux Measurement Strategy to Assess Natural Climate Solutions. Environmental Science & Technology, 2021, 55, 3494-3504.	4.6	24
3	Constraints and enablers for increasing carbon storage in the terrestrial biosphere. Nature Reviews Earth & Environment, 2021, 2, 436-446.	12.2	42
4	Bob Scholes: Multifaceted scientist with a genius for synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2113299118.	3.3	0
5	The limiting factors and regulatory processes that control the environmental responses of C3, C3â€“C4 intermediate, and C4 photosynthesis. Oecologia, 2021, 197, 841-866.	0.9	9
6	Atmospheric variability contributes to increasing wildfire weather but not as much as global warming. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
7	Forest fires and climate-induced tree range shifts in the western US. Nature Communications, 2021, 12, 6583.	5.8	13
8	Fire affects the taxonomic and functional composition of soil microbial communities, with cascading effects on grassland ecosystem functioning. Global Change Biology, 2020, 26, 431-442.	4.2	45
9	The future of bioenergy. Global Change Biology, 2020, 26, 274-286.	4.2	173
10	Fire history and plant community composition outweigh decadal multiâ€factor global change as drivers of microbial composition in an annual grassland. Journal of Ecology, 2020, 108, 611-625.	1.9	19
11	Landscape scale variation in the hydrologic niche of California coast redwood. Ecography, 2020, 43, 1305-1315.	2.1	5
12	Factors influencing adoption and rejection of fire hazard severity zone maps in California. International Journal of Disaster Risk Reduction, 2020, 50, 101686.	1.8	6
13	The COVID-19 lockdowns: a window into the Earth System. Nature Reviews Earth & Environment, 2020, 1, 470-481.	12.2	153
14	Directions for Research on Climate and Conflict. Earth's Future, 2020, 8, e2020EF001532.	2.4	37
15	Climate-driven risks to the climate mitigation potential of forests. Science, 2020, 368, .	6.0	346
16	Climate change and ecosystems: threats, opportunities and solutions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190104.	1.8	333
17	Barriers and enablers for prescribed burns for wildfire management in California. Nature Sustainability, 2020, 3, 101-109.	11.5	73
18	Reply to: Practical constraints on atmospheric methane removal. Nature Sustainability, 2020, 3, 358-359.	11.5	3

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19	Rightsizing expectations for bioenergy with carbon capture and storage toward ambitious climate goals. , 2019, , 63-84.		3
20	Nitrogen and phosphorus constrain the CO2 fertilization of global plant biomass. Nature Climate Change, 2019, 9, 684-689.	8.1	269
21	Climate as a risk factor for armed conflict. Nature, 2019, 571, 193-197.	13.7	306
22	Terrestrial gross primary production: Using NIR_V to scale from site to globe. Global Change Biology, 2019, 25, 3731-3740.	4.2	196
23	Methane removal and atmospheric restoration. Nature Sustainability, 2019, 2, 436-438.	11.5	96
24	Natural climate solutions are not enough. Science, 2019, 363, 933-934.	6.0	104
25	Environmental justice concerns in the use of offsets. Frontiers in Ecology and the Environment, 2019, 17, 144-144.	1.9	1
26	High-tide flooding disrupts local economic activity. Science Advances, 2019, 5, eaau2736.	4.7	59
27	Managed retreat through voluntary buyouts of flood-prone properties. Science Advances, 2019, 5, eaax8995.	4.7	126
28	Strengthened scientific support for the Endangerment Finding for atmospheric greenhouse gases. Science, 2019, 363, .	6.0	34
29	Long-term elevated CO2 shifts composition of soil microbial communities in a Californian annual grassland, reducing growth and N utilization potentials. Science of the Total Environment, 2019, 652, 1474-1481.	3.9	34
30	Smart adaptation in an era of rising climate risks. Bulletin of the Atomic Scientists, 2018, 74, 73-80.	0.2	3
31	Decoupled dimensions of leaf economic and anti-herbivore defense strategies in a tropical canopy tree community. Oecologia, 2018, 186, 765-782.	0.9	22
32	Managing cropland and rangeland for climate mitigation: an expert elicitation on soil carbon in California. Climatic Change, 2018, 147, 633-646.	1.7	9
33	The global overlap of bioenergy and carbon sequestration potential. Climatic Change, 2018, 148, 1-10.	1.7	35
34	Geospatial analysis of near-term potential for carbon-negative bioenergy in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3290-3295.	3.3	82
35	Assessing Cumulative Effects of Climate Change Manipulations on Phosphorus Limitation in a Californian Grassland. Environmental Science & Technology, 2018, 52, 98-106.	4.6	11
36	Reduced sea ice protection period increases storm exposure in Kivalina, Alaska. Arctic Science, 2018, 4, 525-537.	0.9	13

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37	Forest management in the Sierra Nevada provides limited carbon storage potential: an expert elicitation. Ecosphere, 2018, 9, e02321.	1.0	5
38	Climate Change Mitigation, Air Pollution, and Environmental Justice in California. Environmental Science & Technology, 2018, 52, 10829-10838.	4.6	49
39	Unprecedented rates of land-use transformation in modelled climate change mitigation pathways. Nature Sustainability, 2018, 1, 240-245.	11.5	46
40	Net-zero emissions energy systems. Science, 2018, 360, .	6.0	1,165
41	Rightsizing carbon dioxide removal. Science, 2017, 356, 706-707.	6.0	150
42	Unleashing expert judgment in assessment. Global Environmental Change, 2017, 44, 1-14.	3.6	78
43	Canopy near-infrared reflectance and terrestrial photosynthesis. Science Advances, 2017, 3, e1602244.	4.7	506
44	Managed retreat as a response to natural hazardÂrisk. Nature Climate Change, 2017, 7, 364-370.	8.1	297
45	Forest offsets partner climateâ€change mitigation with conservation. Frontiers in Ecology and the Environment, 2017, 15, 359-365.	1.9	31
46	Experimental fire increases soil carbon dioxide efflux in a grassland longâ€term multifactor global change experiment. Global Change Biology, 2017, 23, 1975-1987.	4.2	20
47	Phylogenetic Structure of Foliar Spectral Traits in Tropical Forest Canopies. Remote Sensing, 2016, 8, 196.	1.8	40
48	A multistage crucible of revision and approval shapes IPCC policymaker summaries. Science Advances, 2016, 2, e1600421.	4.7	12
49	Nonlinear, interacting responses to climate limit grassland production under global change. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10589-10594.	3.3	119
50	Mapping the climate change challenge. Nature Climate Change, 2016, 6, 663-668.	8.1	75
51	Understanding and responding to danger from climate change: the role of key risks in the IPCC AR5. Climatic Change, 2016, 136, 427-444.	1.7	54
52	Colocation opportunities for large solar infrastructures and agriculture in drylands. Applied Energy, 2016, 165, 383-392.	5.1	125
53	Water, Climate, Energy, Food: Inseparable & Indispensable. Daedalus, 2015, 144, 7-17.	0.9	13
54	In-field yellow starthistle (Centaurea solstitialis) volatile composition under elevated temperature and CO2 and implications for future control. Chemoecology, 2015, 25, 313-323.	0.6	6

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55	Tree mortality predicted from drought-induced vascular damage. Nature Geoscience, 2015, 8, 367-371.	5.4	317
56	Efficient use of land to meet sustainable energyÂneeds. Nature Climate Change, 2015, 5, 353-358.	8.1	95
57	Added value from IPCC approval sessions. Science, 2015, 350, 36-36.	6.0	12
58	Projections of future meteorological drought and wet periods in the Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13172-13177.	3.3	265
59	Integrating Stand and Soil Properties to Understand Foliar Nutrient Dynamics during Forest Succession Following Slash-and-Burn Agriculture in the Bolivian Amazon. PLoS ONE, 2014, 9, e86042.	1.1	10
60	Linking rainforest ecophysiology and microclimate through fusion of airborne LiDAR and hyperspectral imagery. Ecosphere, 2014, 5, 1-37.	1.0	11
61	Orientation behavior of predaceous ground beetle species in response to volatile emissions identified from yellow starthistle damaged by an invasive slug. Arthropod-Plant Interactions, 2014, 8, 429-437.	0.5	15
62	Loss of whole-tree hydraulic conductance during severe drought and multi-year forest die-off. Oecologia, 2014, 175, 11-23.	0.9	69
63	Renewable energy potential on marginal lands in the United States. Renewable and Sustainable Energy Reviews, 2014, 29, 473-481.	8.2	109
64	Linking vegetation patterns to environmental gradients and human impacts in a mediterranean-type island ecosystem. Landscape Ecology, 2014, 29, 1571-1585.	1.9	27
65	Tradeoffs and Synergies between Biofuel Production and Large Solar Infrastructure in Deserts. Environmental Science & Technology, 2014, 48, 3021-3030.	4.6	50
66	Land-Use Efficiency of Big Solar. Environmental Science & Technology, 2014, 48, 1315-1323.	4.6	81
67	Modeling the impact of carbon farming on land use in a New Zealand landscape. Environmental Science and Policy, 2014, 37, 1-10.	2.4	28
68	Patterns of ecological specialization among microbial populations in the <scp>R</scp>ed <scp>S</scp>ea and diverse oligotrophic marine environments. Ecology and Evolution, 2013, 3, 1780-1797.	0.8	45
69	Simulated hydroclimatic impacts of projected Brazilian sugarcane expansion. Geophysical Research Letters, 2013, 40, 972-977.	1.5	37
70	Risk management and climate change. Nature Climate Change, 2013, 3, 447-450.	8.1	203
71	Drought's legacy: multiyear hydraulic deterioration underlies widespread aspen forest dieâ€off and portends increased future risk. Global Change Biology, 2013, 19, 1188-1196.	4.2	307
72	Changes in Ecologically Critical Terrestrial Climate Conditions. Science, 2013, 341, 486-492.	6.0	473

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73	Environmental and community controls on plant canopy chemistry in a Mediterranean-type ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6895-6900.	3.3	74
74	Reply to Rice and Henderson-Sellers: Survival of the fittest is not always the best option. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2664-E2664.	3.3	0
75	A dual isotope approach to isolate soil carbon pools of different turnover times. Biogeosciences, 2013, 10, 8067-8081.	1.3	52
76	Biophysical Properties of Cultivated Pastures in the Brazilian Savanna Biome: An Analysis in the Spatial-Temporal Domains Based on Ground and Satellite Data. Remote Sensing, 2013, 5, 307-326.	1.8	25
77	Planetary Opportunities: A Social Contract for Global Change Science to Contribute to a Sustainable Future. BioScience, 2012, 62, 603-606.	2.2	169
78	The roles of hydraulic and carbon stress in a widespread climate-induced forest die-off. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 233-237.	3.3	539
79	Carnegie Airborne Observatory-2: Increasing science data dimensionality via high-fidelity multi-sensor fusion. Remote Sensing of Environment, 2012, 124, 454-465.	4.6	283
80	Linking definitions, mechanisms, and modeling of drought-induced tree death. Trends in Plant Science, 2012, 17, 693-700.	4.3	186
81	Theoretical Impact of Changing Albedo on Precipitation at the Southernmost Boundary of the ITCZ in South America. Earth Interactions, 2012, 16, 1-14.	0.7	93
82	Climate Change: New Dimensions in Disaster Risk, Exposure, Vulnerability, and Resilience. , 2012, , 25-64.		159
83	Harvesting Carbon from Eastern US Forests: Opportunities and Impacts of an Expanding Bioenergy Industry. Forests, 2012, 3, 370-397.	0.9	24
84	Microbial communities and their responses to simulated global change fluctuate greatly over multiple years. Global Change Biology, 2012, 18, 2256-2269.	4.2	172
85	Forest biomass allometry in global land surface models. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	1.9	52
86	Effect of vineyard-scale climate variability on Pinot noir phenolic composition. Agricultural and Forest Meteorology, 2011, 151, 1556-1567.	1.9	59
87	Direct impacts on local climate of sugar-cane expansion in Brazil. Nature Climate Change, 2011, 1, 105-109.	8.1	208
88	Coordinated approaches to quantify longâ€term ecosystem dynamics in response to global change. Global Change Biology, 2011, 17, 843-854.	4.2	165
89	Native and Nonâ€Native Community Assembly through Edaphic Manipulation: Implications for Habitat Creation and Restoration. Restoration Ecology, 2011, 19, 709-716.	1.4	4
90	Can crop albedo be increased through the modification of leaf trichomes, and could this cool regional climate?. Climatic Change, 2011, 104, 379-387.	1.7	46

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91	The IPCC AR5 guidance note on consistent treatment of uncertainties: a common approach across the working groups. Climatic Change, 2011, 108, 675-691.	1.7	259
92	California perennial crops in a changing climate. Climatic Change, 2011, 109, 317-333.	1.7	69
93	Climate extremes in California agriculture. Climatic Change, 2011, 109, 355-363.	1.7	34
94	Testing interactive effects of global environmental changes on soil nitrogen cycling. Ecosphere, 2011, 2, art56.	1.0	56
95	Direct climate effects of perennial bioenergy crops in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4307-4312.	3.3	199
96	Land-Cover and Surface Water Change Drive Large Albedo Increases in South America*. Earth Interactions, 2011, 15, 1-16.	0.7	38
97	Global Change Could Amplify Fire Effects on Soil Greenhouse Gas Emissions. PLoS ONE, 2011, 6, e20105.	1.1	35
98	Biophysical feedbacks between the Pleistocene megafauna extinction and climate: The first humanâ€induced global warming?. Geophysical Research Letters, 2010, 37, .	1.5	68
99	Nutrient Limitations of Carbon Uptake: From Leaves to Landscapes in a California Rangeland Ecosystem. Rangeland Ecology and Management, 2010, 63, 120-127.	1.1	0
100	Responseâ€”Energy Strategies and Efficiency. Science, 2009, 325, 812-813.	6.0	1
101	The velocity of climate change. Nature, 2009, 462, 1052-1055.	13.7	1,930
102	Greater Transportation Energy and GHG Offsets from Bioelectricity Than Ethanol. Science, 2009, 324, 1055-1057.	6.0	190
103	Crop Yield Gaps: Their Importance, Magnitudes, and Causes. Annual Review of Environment and Resources, 2009, 34, 179-204.	5.6	1,038
104	Boosted carbon emissions from Amazon deforestation. Geophysical Research Letters, 2009, 36, .	1.5	42
105	Potential impact of U.S. biofuels on regional climate. Geophysical Research Letters, 2009, 36, .	1.5	47
106	Litter Decomposition in a California Annual Grassland: Interactions Between Photodegradation and Litter Layer Thickness. Ecosystems, 2008, 11, 545-554.	1.6	113
107	Responses of a California annual grassland to litter manipulation. Journal of Vegetation Science, 2008, 19, 605-612.	1.1	57
108	Vulnerability of Permafrost Carbon to Climate Change: Implications for the Global Carbon Cycle. BioScience, 2008, 58, 701-714.	2.2	1,379

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109	A unifying framework for dinitrogen fixation in the terrestrial biosphere. Nature, 2008, 454, 327-330.	13.7	648
110	Energy assumptions were reasonable at the time, but not now. Nature, 2008, 453, 154-155.	13.7	6
111	Estimation of the carbon dioxide (CO₂) fertilization effect using growth rate anomalies of CO₂ and crop yields since 1961. Global Change Biology, 2008, 14, 39-45.	4.2	47
112	Estimation of the CO₂ fertilization effect using growth rate anomalies of CO₂ and crop yields since 1961. Global Change Biology, 2008, 14, 451-451.	4.2	42
113	Accentuation of phosphorus limitation in Geranium dissectum by nitrogen: an ecological genomics study. Global Change Biology, 2008, 14, 1877-1890.	4.2	15
114	The Global Potential of Bioenergy on Abandoned Agriculture Lands. Environmental Science & Technology, 2008, 42, 5791-5794.	4.6	546
115	Biomass energy: the scale of the potential resource. Trends in Ecology and Evolution, 2008, 23, 65-72.	4.2	637
116	Protecting climate with forests. Environmental Research Letters, 2008, 3, 044006.	2.2	313
117	Changing feedbacks in the climateâ€“biosphere system. Frontiers in Ecology and the Environment, 2008, 6, 313-320.	1.9	247
118	ENVIRONMENT: Tropical Forests and Climate Policy. Science, 2007, 316, 985-986.	6.0	386
119	Global and regional drivers of accelerating CO2 emissions. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10288-10293.	3.3	1,426
120	Responses of temporal distribution of gastropods to individual and combined effects of elevated CO2 and N deposition in annual grassland. Acta Oecologica, 2007, 31, 343-352.	0.5	7
121	Contributions to accelerating atmospheric CO ₂ growth from economic activity, carbon intensity, and efficiency of natural sinks. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18866-18870.	3.3	1,770
122	Feedbacks of Terrestrial Ecosystems to Climate Change. Annual Review of Environment and Resources, 2007, 32, 1-29.	5.6	268
123	A model of biogeochemical cycles of carbon, nitrogen, and phosphorus including symbiotic nitrogen fixation and phosphatase production. Global Biogeochemical Cycles, 2007, 21, .	1.9	200
124	Simulated global changes alter phosphorus demand in annual grassland. Global Change Biology, 2007, 13, 2582-2591.	4.2	154
125	Historical effects of temperature and precipitation on California crop yields. Climatic Change, 2007, 81, 187-203.	1.7	240
126	Global carbon emissions from biomass burning in the 20th century. Geophysical Research Letters, 2006, 33, n/a-n/a.	1.5	72

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127	Impacts of future climate change on California perennial crop yields: Model projections with climate and crop uncertainties. Agricultural and Forest Meteorology, 2006, 141, 208-218.	1.9	246
128	GASTROPOD HERBIVORY IN RESPONSE TO ELEVATED CO2AND N ADDITION IMPACTS PLANT COMMUNITY COMPOSITION. Ecology, 2006, 87, 686-694.	1.5	22
129	Herbivore control of annual grassland composition in current and future environments. Ecology Letters, 2006, 9, 86-94.	3.0	23
130	Regression tools for CO2 inversions: application of a shrinkage estimator to process attribution. Tellus, Series B: Chemical and Physical Meteorology, 2006, 58, 279-292.	0.8	3
131	Is carbon within the global terrestrial biosphere becoming more oxidized? Implications for trends in atmospheric O2. Global Change Biology, 2006, 12, 260-271.	4.2	48
132	The effects of elevated atmospheric CO2 on the amount and depth distribution of plant water uptake in a California annual grassland. Global Change Biology, 2006, 12, 578-587.	4.2	10
133	Interactive Effects of Fire, Elevated Carbon Dioxide, Nitrogen Deposition, and precipitation on a California Annual Grassland. Ecosystems, 2006, 9, 1066-1075.	1.6	67
134	Does Nitrogen Constrain Carbon Cycling, or Does Carbon Input Stimulate Nitrogen Cycling?1. Ecology, 2006, 87, 3-4.	1.5	109
135	Diverse responses of phenology to global changes in a grassland ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13740-13744.	3.3	397
136	Weather-based yield forecasts developed for 12 California crops. California Agriculture, 2006, 60, 211-215.	0.5	14
137	Interactive effects of elevated CO2, N deposition and climate change on extracellular enzyme activity and soil density fractionation in a California annual grassland. Global Change Biology, 2005, 11, 1808-1815.	4.2	130
138	Fire history and the global carbon budget: a 1ox 1o fire history reconstruction for the 20th century. Global Change Biology, 2005, 11, 398-420.	4.2	363
139	Interactive effects of elevated CO2, N deposition and climate change on plant litter quality in a California annual grassland. Oecologia, 2005, 142, 465-473.	0.9	99
140	Responses of Grassland Production to Single and Multiple Global Environmental Changes. PLoS Biology, 2005, 3, e319.	2.6	308
141	Emissions pathways, climate change, and impacts on California. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12422-12427.	3.3	709
142	Progressive Nitrogen Limitation of Ecosystem Responses to Rising Atmospheric Carbon Dioxide. BioScience, 2004, 54, 731.	2.2	1,092
143	Ammonia-oxidizing bacteria respond to multifactorial global change. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15136-15141.	3.3	270
144	The Carbon Balance of an Old-growth Forest: Building Across Approaches. Ecosystems, 2004, 7, 525.	1.6	34

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145	Title is missing!. Plant and Soil, 2003, 254, 383-391.	1.8	47
146	Temporal evolution of the European forest sector carbon sink from 1950 to 1999. Global Change Biology, 2003, 9, 152-160.	4.2	168
147	Postfire response of North American boreal forest net primary productivity analyzed with satellite observations. Global Change Biology, 2003, 9, 1145-1157.	4.2	147
148	ATMOSPHERIC SCIENCE: Nitrogen and Climate Change. Science, 2003, 302, 1512-1513.	6.0	735
149	Plants reverse warming effect on ecosystem water balance. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9892-9893.	3.3	129
150	Additive effects of simulated climate changes, elevated CO2, and nitrogen deposition on grassland diversity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7650-7654.	3.3	266
151	GRASSLAND RESPONSES TO THREE YEARS OF ELEVATED TEMPERATURE, CO2, PRECIPITATION, AND N DEPOSITION. Ecological Monographs, 2003, 73, 585-604.	2.4	326
152	Increasing net primary production in China from 1982 to 1999. Frontiers in Ecology and the Environment, 2003, 1, 293-297.	1.9	195
153	Carbon emissions from tropical deforestation and regrowth based on satellite observations for the 1980s and 1990s. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14256-14261.	3.3	562
154	Nitrogen Controls on Climate Model Evapotranspiration. Journal of Climate, 2002, 15, 278-295.	1.2	99
155	Grassland Responses to Global Environmental Changes Suppressed by Elevated CO2. Science, 2002, 298, 1987-1990.	6.0	498
156	Energy partitioning between latent and sensible heat flux during the warm season at FLUXNET sites. Water Resources Research, 2002, 38, 30-1-30-11.	1.7	169
157	Energy balance closure at FLUXNET sites. Agricultural and Forest Meteorology, 2002, 113, 223-243.	1.9	1,877
158	Artificial climate warming positively affects arbuscular mycorrhizae but decreases soil aggregate water stability in an annual grassland. Oikos, 2002, 97, 52-58.	1.2	174
159	Satellite estimates of productivity and light use efficiency in United States agriculture, 1982-98. Global Change Biology, 2002, 8, 722-735.	4.2	203
160	Root production and demography in a california annual grassland under elevated atmospheric carbon dioxide. Global Change Biology, 2002, 8, 841-850.	4.2	41
161	Towards an ecological understanding of biological nitrogen fixation. Biogeochemistry, 2002, 57, 1-45.	1.7	719
162	Biospheric Primary Production During an ENSO Transition. Science, 2001, 291, 2594-2597.	6.0	523

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163	GLOBAL CHANGE: Enhanced: Sharing the Garden. Science, 2001, 294, 2490-2491.	6.0	106
164	Species-specific responses of plant communities to altered carbon and nutrient availability. Global Change Biology, 2001, 7, 435-450.	4.2	50
165	Assessing photosynthetic downregulation in sunflower stands with an optically-based model. Photosynthesis Research, 2001, 67, 113-125.	1.6	121
166	Tree Mortality in Gap Models: Application to Climate Change. Climatic Change, 2001, 51, 509-540.	1.7	151
167	Nitrogen limitation of microbial decomposition in a grassland under elevated CO2. Nature, 2001, 409, 188-191.	13.7	348
168	Recent patterns and mechanisms of carbon exchange by terrestrial ecosystems. Nature, 2001, 414, 169-172.	13.7	1,162
169	Consistent Land- and Atmosphere-Based U.S. Carbon Sink Estimates. Science, 2001, 292, 2316-2320.	6.0	746
170	Plant Physiology of the â€œMissingâ€•Carbon Sink. Plant Physiology, 2001, 125, 25-28.	2.3	52
171	Diverse mechanisms for CO2 effects on grassland litter decomposition. Global Change Biology, 2000, 6, 145-154.	4.2	40
172	Soil microbiota in two annual grasslands: responses to elevated atmospheric CO 2. Oecologia, 2000, 124, 589-598.	0.9	87
173	Commentary: Carbon Metabolism of the Terrestrial Biosphere: A Multitechnique Approach for Improved Understanding. Ecosystems, 2000, 3, 115-130.	1.6	225
174	Linking 13C-based estimates of land and ocean sinks with predictions of carbon storage from CO2 fertilization of plant growth. Tellus, Series B: Chemical and Physical Meteorology, 1999, 51, 668-678.	0.8	7
175	Quantifying the response of photosynthesis to changes in leaf nitrogen content and leaf mass per area in plants grown under atmospheric CO 2 enrichment. Plant, Cell and Environment, 1999, 22, 1109-1119.	2.8	33
176	The effects of chamber pressurization on soil-surface CO2 flux and the implications for NEE measurements under elevated CO2. Global Change Biology, 1999, 5, 269-281.	4.2	102
177	The photosynthesis - leaf nitrogen relationship at ambient and elevated atmospheric carbon dioxide: a meta-analysis. Global Change Biology, 1999, 5, 331-346.	4.2	109
178	Fungal root colonization responses in natural grasslands after longâ€‐term exposure to elevated atmospheric CO2. Global Change Biology, 1999, 5, 577-585.	4.2	40
179	Toward an allocation scheme for global terrestrial carbon models. Global Change Biology, 1999, 5, 755-770.	4.2	307
180	Rise in carbon dioxide changes soil structure. Nature, 1999, 400, 628-628.	13.7	175

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181	Soil biota responses to long-term atmospheric CO 2 enrichment in two California annual grasslands. Oecologia, 1999, 119, 572-577.	0.9	167
182	Revisiting the Commons: Local Lessons, Global Challenges. Science, 1999, 284, 278-282.	6.0	1,994
183	BIOGEOCHEMICAL CYCLES:Enhanced: The Not-So-Big U.S. Carbon Sink. Science, 1999, 285, 544-545.	6.0	41
184	Combining satellite data and biogeochemical models to estimate global effects of human-induced land cover change on carbon emissions and primary productivity. Global Biogeochemical Cycles, 1999, 13, 803-815.	1.9	309
185	Increases in early season ecosystem uptake explain recent changes in the seasonal cycle of atmospheric CO2at high northern latitudes. Geophysical Research Letters, 1999, 26, 2765-2768.	1.5	206
186	Interactions between Vegetation and Climate: Radiative and Physiological Effects of Doubled Atmospheric CO2. Journal of Climate, 1999, 12, 309-324.	1.2	91
187	Plant species-specific changes in root-inhabiting fungi in a California annual grassland: responses to elevated CO 2 and nutrients. Oecologia, 1998, 113, 252-259.	0.9	63
188	Mangrove Biodiversity and Ecosystem Function. Global Ecology and Biogeography Letters, 1998, 7, 3.	0.6	106
189	Influence of fertilization and atmospheric CO2 enrichment on ecosystem CO2 and H2O exchanges in single- and multiple-species grassland microcosms. Environmental and Experimental Botany, 1998, 40, 147-157.	2.0	10
190	Primary Production of the Biosphere: Integrating Terrestrial and Oceanic Components. , 1998, 281, 237-240.		4,598
191	Arbuscular mycorrhizal percent root infection and infection intensity of Bromus hordeaceus grown in elevated atmospheric CO₂. Mycologia, 1998, 90, 199-205.	0.8	25
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