

F Stuart Chapin Iii

List of Publications by Year in descending order

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Version: 2024-02-01

407
papers

110,782
citations

518

131
h-index

214

318
g-index

417
all docs

417
docs citations

417
times ranked

77714
citing authors

#	ARTICLE	IF	CITATIONS
1	Management Foundations for Navigating Ecological Transformation by Resisting, Accepting, or Directing Socialâ€œEcological Change. <i>BioScience</i> , 2022, 72, 30-44.	2.2	25
2	Reconciling well-being and resilience for sustainable development. <i>Nature Sustainability</i> , 2022, 5, 287-293.	11.5	47
3	Earth stewardship: Shaping a sustainable future through interacting policy and norm shifts. <i>Ambio</i> , 2022, 51, 1907-1920.	2.8	23
4	Our future in the Anthropocene biosphere. <i>Ambio</i> , 2021, 50, 834-869.	2.8	275
5	WTO must ban harmful fisheries subsidies. <i>Science</i> , 2021, 374, 544-544.	6.0	45
6	TRY plant trait database â€œ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
7	Urbanization, Migration, and Adaptation to Climate Change. <i>One Earth</i> , 2020, 3, 396-399.	3.6	42
8	Interactions between changing climate and biodiversity: Shaping humanityâ€™s future. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6295-6296.	3.3	46
9	Social dimensions of fertility behavior and consumption patterns in the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6300-6307.	3.3	33
10	Limited overall impacts of ectomycorrhizal inoculation on recruitment of boreal trees into Arctic tundra following wildfire belie species-specific responses. <i>PLoS ONE</i> , 2020, 15, e0235932.	1.1	4
11	Long-term warming research in high-latitude ecosystems: Responses from polar ecosystems and implications for future climate. , 2019, , 441-487.		2
12	Plant diversity enhances productivity and soil carbon storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4027-4032.	3.3	368
13	Climate change, human impacts, and carbon sequestration in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4015-4020.	3.3	419
14	Going beyond “it depends” the role of context in shaping participation in natural resource management. <i>Ecology and Society</i> , 2018, 23, .	1.0	31
15	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	13.7	451
16	The potential for mycobiont sharing between shrubs and seedlings to facilitate tree establishment after wildfire at Alaska arctic treeline. <i>Molecular Ecology</i> , 2017, 26, 3826-3838.	2.0	32
17	Ecological Foundations of Landscape Stewardship. , 2017, , 21-34.		2
18	Now is the time for translational ecology. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 539-539.	1.9	19

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19	Modeling and mapping forest diversity in the boreal forest of interior Alaska. <i>Landscape Ecology</i> , 2017, 32, 397-413.	1.9	17
20	Large CO ₂ effluxes at night and during synoptic weather events significantly contribute to CO ₂ emissions from a reservoir. <i>Environmental Research Letters</i> , 2016, 11, 064001.	2.2	66
21	Protected areas and their surrounding territory: socioecological systems in the context of ecological solidarity. <i>Ecological Applications</i> , 2016, 26, 5-16.	1.8	67
22	Community-empowered adaptation for self-reliance. <i>Current Opinion in Environmental Sustainability</i> , 2016, 19, 67-75.	3.1	22
23	Socio-Environmental Systems (SES) Research: what have we learned and how can we use this information in future research programs. <i>Current Opinion in Environmental Sustainability</i> , 2016, 19, 160-168.	3.1	89
24	Social norms as solutions. <i>Science</i> , 2016, 354, 42-43.	6.0	476
25	Arctic communities perceive climate impacts on access as a critical challenge to availability of subsistence resources. <i>Climatic Change</i> , 2016, 139, 413-427.	1.7	68
26	Absence of net long-term successional facilitation by alder in a boreal Alaska floodplain. <i>Ecology</i> , 2016, 97, 2986-2997.	1.5	47
27	Arctic sustainability research: toward a new agenda. <i>Polar Geography</i> , 2016, 39, 165-178.	0.8	30
28	Ecological Knowledge Among Communities, Managers and Scientists: Bridging Divergent Perspectives to Improve Forest Management Outcomes. <i>Environmental Management</i> , 2016, 57, 798-813.	1.2	21
29	Getting to the root of the matter: landscape implications of plant-fungal interactions for tree migration in Alaska. <i>Landscape Ecology</i> , 2016, 31, 895-911.	1.9	13
30	Fire-severity effects on plant-fungal interactions after a novel tundra wildfire disturbance: implications for arctic shrub and tree migration. <i>BMC Ecology</i> , 2016, 16, 25.	3.0	26
31	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016, 11, 034014.	2.2	199
32	Forest-landscape structure mediates effects of a spruce bark beetle (<i>Dendroctonus rufipennis</i>) outbreak on subsequent likelihood of burning in Alaskan boreal forest. <i>Forest Ecology and Management</i> , 2016, 369, 38-46.	1.4	23
33	Vegetation succession in deglaciated landscapes: implications for sediment and landscape stability. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1088-1100.	1.2	45
34	Detecting, estimating, and correcting for biases in harvest data. <i>Journal of Wildlife Management</i> , 2015, 79, 1152-1162.	0.7	10
35	Future changes in the supply of goods and services from natural ecosystems: prospects for the European north. <i>Ecology and Society</i> , 2015, 20, .	1.0	19
36	A Changing Number of Alternative States in the Boreal Biome: Reproducibility Risks of Replacing Remote Sensing Products. <i>PLoS ONE</i> , 2015, 10, e0143014.	1.1	13

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37	Ecosystem stewardship: A resilience framework for arctic conservation. <i>Global Environmental Change</i> , 2015, 34, 207-217.	3.6	58
38	Sense of place: A process for identifying and negotiating potentially contested visions of sustainability. <i>Environmental Science and Policy</i> , 2015, 53, 38-46.	2.4	130
39	Ranch Owner Perceptions and Planned Actions in Response to a Proposed Endangered Species Act Listing. <i>Rangeland Ecology and Management</i> , 2015, 68, 453-460.	1.1	11
40	Earth Stewardship: An Initiative by the Ecological Society of America to Foster Engagement to Sustain Planet Earth. <i>Ecology and Ethics</i> , 2015, , 173-194.	0.2	14
41	Relationship of Community Characteristics to Harvest Reporting: Comparative Study of Household Surveys and Harvest Tickets in Alaska. <i>Human Dimensions of Wildlife</i> , 2014, 19, 334-346.	1.0	9
42	Parks, people, and change: the importance of multistakeholder engagement in adaptation planning for conserved areas. <i>Ecology and Society</i> , 2014, 19, .	1.0	23
43	Robustness or resilience? Managing the intersection of ecology and engineering in an urban Alaskan fishery. <i>Ecology and Society</i> , 2014, 19, .	1.0	4
44	Nutrient availability as the key regulator of global forest carbon balance. <i>Nature Climate Change</i> , 2014, 4, 471-476.	8.1	383
45	Can antibrowsing defense regulate the spread of woody vegetation in arctic tundra?. <i>Ecography</i> , 2014, 37, 204-211.	2.1	32
46	Managing the whole landscape: historical, hybrid, and novel ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 557-564.	1.9	378
47	Shifts and disruptions in resource-use trait syndromes during the evolution of herbaceous crops. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141429.	1.2	73
48	Approaches to defining a planetary boundary for biodiversity. <i>Global Environmental Change</i> , 2014, 28, 289-297.	3.6	236
49	Policy Language in Restoration Ecology. <i>Restoration Ecology</i> , 2014, 22, 1-4.	1.4	15
50	Climate engineering reconsidered. <i>Nature Climate Change</i> , 2014, 4, 527-529.	8.1	63
51	The role of data assimilation in predictive ecology. <i>Ecosphere</i> , 2014, 5, 1-16.	1.0	65
52	A comprehensive review of climate adaptation in the United States: more than before, but less than needed. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2013, 18, 361-406.	1.0	334
53	Expert assessment of vulnerability of permafrost carbon to climate change. <i>Climatic Change</i> , 2013, 119, 359-374.	1.7	257
54	Resilience of Arctic mycorrhizal fungal communities after wildfire facilitated by resprouting shrubs. <i>Ecoscience</i> , 2013, 20, 296-310.	0.6	32

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55	The impacts of climate change on ecosystem structure and function. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 474-482.	1.9	433
56	Temperature and vegetation seasonality diminishment over northern lands. <i>Nature Climate Change</i> , 2013, 3, 581-586.	8.1	485
57	Case Study: Novel Socio-Ecological Systems in the North: Potential Pathways Toward Ecological and Societal Resilience. , 2013, , 334-344.		6
58	Fire Severity Filters Regeneration Traits to Shape Community Assembly in Alaska's Boreal Forest. <i>PLoS ONE</i> , 2013, 8, e56033.	1.1	95
59	Resilience, experimentation, and scale mismatches in social-ecological landscapes. <i>Landscape Ecology</i> , 2013, 28, 1139-1150.	1.9	197
60	Indigenous frameworks for observing and responding to climate change in Alaska. <i>Climatic Change</i> , 2013, 120, 557-567.	1.7	108
61	Adaptive governance and institutional strategies for climate-induced community relocations in Alaska. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9320-9325.	3.3	179
62	Using DNA to test the utility of pellet-group counts as an index of deer counts. <i>Wildlife Society Bulletin</i> , 2013, 37, 444-450.	1.6	7
63	Meeting Indigenous Subsistence Needs: The Case for Prey Switching in Rural Alaska. <i>Human Dimensions of Wildlife</i> , 2013, 18, 109-123.	1.0	9
64	Climate-change impacts on ecological systems: introduction to a US assessment. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 456-464.	1.9	44
65	Invitation to Earth Stewardship. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 339-339.	1.9	19
66	Indigenous frameworks for observing and responding to climate change in Alaska. , 2013, , 49-59.		19
67	Traditional Knowledge and Wisdom: A Guide for Understanding and Shaping Alaskan Social-Ecological Change. , 2013, , 49-62.		6
68	Proactive ecology for the Anthropocene. <i>Elementa</i> , 2013, 1, .	1.1	7
69	Changing Daily Wind Speeds on Alaska's North Slope: Implications for Rural Hunting Opportunities. <i>Arctic</i> , 2013, 66, .	0.2	13
70	Planetary Opportunities: A Social Contract for Global Change Science to Contribute to a Sustainable Future. <i>BioScience</i> , 2012, 62, 603-606.	2.2	169
71	Thresholds for boreal biome transitions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21384-21389.	3.3	286
72	Science and Society: The Role of Long-Term Studies in Environmental Stewardship. <i>BioScience</i> , 2012, 62, 354-366.	2.2	42

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73	Response to "Ecosystem Services: Free Lunch No More. Science, 2012, 335, 656-657.	6.0	11
74	An index to assess the health and benefits of the global ocean. Nature, 2012, 488, 615-620.	13.7	736
75	Sinks for nitrogen inputs in terrestrial ecosystems: a meta-analysis of ¹⁵ N tracer field studies. Ecology, 2012, 93, 1816-1829.	1.5	192
76	Plant toxins and trophic cascades alter fire regime and succession on a boreal forest landscape. Ecological Modelling, 2012, 244, 79-92.	1.2	34
77	Design principles for social-ecological transformation toward sustainability: lessons from New Zealand sense of place. Ecosphere, 2012, 3, 1-22.	1.0	31
78	A Case for Developing Place-Based Fire Management Strategies from Traditional Ecological Knowledge. Ecology and Society, 2012, 17, .	1.0	31
79	Fertile forests produce biomass more efficiently. Ecology Letters, 2012, 15, 520-526.	3.0	273
80	The Ecosystem Concept. , 2011, , 3-22.		17
81	Principles of Terrestrial Ecosystem Ecology. , 2011, , .		860
82	Water and Energy Balance. , 2011, , 93-122.		1
83	Earth's Climate System. , 2011, , 23-62.		6
84	Effects of species and tree size diversity on recruitment in the Alaskan boreal forest: A geospatial approach. Forest Ecology and Management, 2011, 262, 1608-1617.	1.4	21
85	Coupled biogeochemical cycles and Earth stewardship. Frontiers in Ecology and the Environment, 2011, 9, 3-3.	1.9	14
86	Paying for Ecosystem Services "Promise and Peril. Science, 2011, 334, 603-604.	6.0	310
87	Cross-system comparisons elucidate disturbance complexities and generalities. Ecosphere, 2011, 2, art81.	1.0	107
88	Earth Stewardship: science for action to sustain the human-earth system. Ecosphere, 2011, 2, art89.	1.0	154
89	Evidence and implications of recent and projected climate change in Alaska's forest ecosystems. Ecosphere, 2011, 2, art124.	1.0	87
90	TRY " a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	4.2	2,002

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91	Linkages between large-scale climate patterns and the dynamics of Arctic caribou populations. <i>Ecography</i> , 2011, 34, 345-352.	2.1	58
92	Fire severity mediates climate-driven shifts in understory community composition of black spruce stands of interior Alaska. <i>Journal of Vegetation Science</i> , 2011, 22, 32-44.	1.1	47
93	Estimating abundance of Sitka black-tailed deer using DNA from fecal pellets. <i>Journal of Wildlife Management</i> , 2011, 75, 232-242.	0.7	56
94	Earth stewardship: a strategy for social-ecological transformation to reverse planetary degradation. <i>Journal of Environmental Studies and Sciences</i> , 2011, 1, 44-53.	0.9	84
95	Reconnecting to the Biosphere. <i>Ambio</i> , 2011, 40, 719-38.	2.8	420
96	Business strategies and the transition to low-carbon cities. <i>Business Strategy and the Environment</i> , 2011, 20, 251-265.	8.5	43
97	Species Effects on Ecosystem Processes. , 2011, , 321-336.		3
98	Decomposition and Ecosystem Carbon Budgets. , 2011, , 183-228.		18
99	A climate-change adaptation framework to reduce continental-scale vulnerability across conservation reserves. <i>Ecosphere</i> , 2011, 2, art112.	1.0	32
100	Trophic Dynamics. , 2011, , 297-320.		2
101	This Must Be the Place: Underrepresentation of Identity and Meaning in Climate Change Decision-Making. <i>Global Environmental Politics</i> , 2011, 11, 1-25.	1.7	361
102	Temporal Dynamics. , 2011, , 339-367.		5
103	Landscape Heterogeneity and Ecosystem Dynamics. , 2011, , 369-397.		14
104	Plant Carbon Budgets. , 2011, , 157-181.		4
105	Plant Nutrient Use. , 2011, , 229-258.		6
106	Managing and Sustaining Ecosystems. , 2011, , 423-447.		0
107	Chapter Thirteen. Disease Effects on Landscape and Regional Systems: a Resilience Framework. , 2010, , 284-303.		0
108	Estimating methane emissions from northern lakes using ice-bubble surveys. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 592-609.	1.0	94

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109	Planetary Stewardship, with an Introduction from the Editor-in-Chief. Bulletin of the Ecological Society of America, 2010, 91, 143-175.	0.2	16
110	Challenges to Adaptation in Northernmost Europe as a Result of Global Climate Change. Ambio, 2010, 39, 81-84.	2.8	10
111	Changes in fire regime break the legacy lock on successional trajectories in Alaskan boreal forest. Global Change Biology, 2010, 16, 1281-1295.	4.2	448
112	Resilience of Alaska's boreal forest to climatic change This article is one of a selection of papers from The Dynamics of Change in Alaska's Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. Canadian Journal of Forest Research, 2010, 40, 1360-1370.	0.8	125
113	Guiding concepts for park and wilderness stewardship in an era of global environmental change. Frontiers in Ecology and the Environment, 2010, 8, 483-490.	1.9	110
114	Climate Change and the Integrity of Science. Science, 2010, 328, 689-690.	6.0	143
115	Ecosystem stewardship: sustainability strategies for a rapidly changing planet. Trends in Ecology and Evolution, 2010, 25, 241-249.	4.2	744
116	Winter habitat selection by caribou in relation to lichen abundance, wildfires, grazing, and landscape characteristics in northwest Alaska. Ecoscience, 2010, 17, 321-333.	0.6	59
117	The changing effects of Alaska's boreal forests on the climate system This article is one of a selection of papers from The Dynamics of Change in Alaska's Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. Canadian Journal of Forest Research, 2010, 40, 1336-1346.	0.8	40
118	Fire, climate change, and forest resilience in interior Alaska This article is one of a selection of papers from The Dynamics of Change in Alaska's Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. Canadian Journal of Forest Research, 2010, 40, 1302-1312.	0.8	306
119	Resilience of Athabascan subsistence systems to interior Alaska's changing climate This article is one of a selection of papers from The Dynamics of Change in Alaska's Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. Canadian Journal of Forest Research, 2010, 40, 1347-1359.	0.8	79
120	Planetary stewardship. Frontiers in Ecology and the Environment, 2009, 7, 399-399.	1.9	28
121	Plant Toxicity, Adaptive Herbivory, and Plant Community Dynamics. Ecosystems, 2009, 12, 534-547.	1.6	47
122	The changing global carbon cycle: linking plant-soil carbon dynamics to global consequences. Journal of Ecology, 2009, 97, 840-850.	1.9	262
123	Mycorrhizal community resilience in response to experimental plant functional type removals in a woody ecosystem. Journal of Ecology, 2009, 97, 1291-1301.	1.9	46
124	A safe operating space for humanity. Nature, 2009, 461, 472-475.	13.7	8,638
125	Vulnerability and adaptation to climate-related fire impacts in rural and urban interior Alaska. Polar Research, 2009, 28, 100-118.	1.6	48
126	Conservation, Community, and Livelihoods: Sustaining, Renewing, and Adapting Cultural Connections to the Land. , 2009, , 129-147.		17

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127	Projected changes in atmospheric heating due to changes in fire disturbance and the snow season in the western Arctic, 2003–2100. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
128	Optical properties of boreal region biomass burning aerosols in central Alaska and seasonal variation of aerosol optical depth at an Arctic coastal site. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	123
129	Carbon storage in permafrost and soils of the mammoth tundra–steppe biome: Role in the global carbon budget. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	80
130	Accelerate Synthesis in Ecology and Environmental Sciences. <i>BioScience</i> , 2009, 59, 699-701.	2.2	132
131	Changes in vegetation in northern Alaska under scenarios of climate change, 2003–2100: implications for climate feedbacks. <i>Ecological Applications</i> , 2009, 19, 1022-1043.	1.8	185
132	A Framework for Understanding Change. , 2009, , 3-28.		102
133	Resilience-Based Stewardship: Strategies for Navigating Sustainable Pathways in a Changing World. , 2009, , 319-337.		24
134	Managing Ecosystems Sustainably: The Key Role of Resilience. , 2009, , 29-53.		27
135	Transformations in Ecosystem Stewardship. , 2009, , 103-125.		35
136	Drylands: Coping with Uncertainty, Thresholds, and Changes in State. , 2009, , 171-195.		21
137	Forest Systems: Living with Long-Term Change. , 2009, , 149-170.		25
138	Boreal Fire Effects on Subsistence Resources in Alaska and Adjacent Canada. <i>Ecosystems</i> , 2008, 11, 156-171.	1.6	47
139	Recovery of Aboveground Plant Biomass and Productivity After Fire in Mesic and Dry Black Spruce Forests of Interior Alaska. <i>Ecosystems</i> , 2008, 11, 209-225.	1.6	120
140	The Services-Oriented Architecture: Ecosystem Services as a Framework for Diagnosing Change in Social Ecological Systems. <i>Ecosystems</i> , 2008, 11, 478-489.	1.6	19
141	Plant Community Composition as a Predictor of Regional Soil Carbon Storage in Alaskan Boreal Black Spruce Ecosystems. <i>Ecosystems</i> , 2008, 11, 629.	1.6	41
142	Ecosystem Services and Emergent Vulnerability in Managed Ecosystems: A Geospatial Decision-Support Tool. <i>Ecosystems</i> , 2008, 11, 923-938.	1.6	62
143	Methane production and bubble emissions from arctic lakes: Isotopic implications for source pathways and ages. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	170
144	The Potential Use of Synthetic Aperture Radar for Estimating Methane Ebullition From Arctic Lakes. <i>Journal of the American Water Resources Association</i> , 2008, 44, 305-315.	1.0	32

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145	Scaling environmental change through the community-level: a trait-based response and effect framework for plants. <i>Global Change Biology</i> , 2008, 14, 1125-1140.	4.2	981
146	Plant functional types do not predict biomass responses to removal and fertilization in Alaskan tussock tundra. <i>Journal of Ecology</i> , 2008, 96, 713-726.	1.9	93
147	Mineral Nutrition. , 2008, , 255-320.		27
148	Introduction—History, Assumptions, and Approaches. , 2008, , 1-9.		4
149	Anthropogenic biomes: a key contribution to earth-system science. <i>Trends in Ecology and Evolution</i> , 2008, 23, 529-531.	4.2	46
150	Increasing Wildfire in Alaska's Boreal Forest: Pathways to Potential Solutions of a Wicked Problem. <i>BioScience</i> , 2008, 58, 531-540.	2.2	170
151	Human Influences on Wildfire in Alaska from 1988 through 2005: An Analysis of the Spatial Patterns of Human Impacts. <i>Earth Interactions</i> , 2008, 12, 1-17.	0.7	60
152	Changing feedbacks in the climate–biosphere system. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 313-320.	1.9	247
153	WHITE SPRUCE MEETS BLACK SPRUCE: DISPERSAL, POSTFIRE ESTABLISHMENT, AND GROWTH IN A WARMING CLIMATE. <i>Ecological Monographs</i> , 2008, 78, 489-505.	2.4	47
154	Epistemological Pluralism: Reorganizing Interdisciplinary Research. <i>Ecology and Society</i> , 2008, 13, .	1.0	324
155	Interactions Among Plants. , 2008, , 505-531.		2
156	Ecosystem and Global Processes: Ecophysiological Controls. , 2008, , 555-571.		3
157	Methane bubbling from northern lakes: present and future contributions to the global methane budget. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 1657-1676.	1.6	294
158	Climate-induced boreal forest change: Predictions versus current observations. <i>Global and Planetary Change</i> , 2007, 56, 274-296.	1.6	619
159	Thermokarst Lakes as a Source of Atmospheric CH ₄ During the Last Deglaciation. <i>Science</i> , 2007, 318, 633-636.	6.0	287
160	Arctic Climate Impacts: Environmental Injustice in Canada and the United States. <i>Local Environment</i> , 2007, 12, 627-643.	1.1	26
161	Managing Climate Change Impacts to Enhance the Resilience and Sustainability of Fennoscandian Forests. <i>Ambio</i> , 2007, 36, 528-533.	2.8	36
162	Interactions and Linkages among Ecosystems during Landscape Evolution. <i>BioScience</i> , 2007, 57, 237-247.	2.2	106

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163	Influence of disturbance on carbon exchange in a permafrost collapse and adjacent burned forest. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	29
164	Factors Contributing to the Cultural and Spatial Variability of Landscape Burning by Native Peoples of Interior Alaska. <i>Ecology and Society</i> , 2007, 12, .	1.0	24
165	Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. <i>Ecology Letters</i> , 2007, 10, 619-627.	3.0	379
166	Energy feedbacks of northern high-latitude ecosystems to the climate system due to reduced snow cover during 20th century warming. <i>Global Change Biology</i> , 2007, 13, 2425-2438.	4.2	138
167	Plant Biodiversity and Responses to Elevated Carbon Dioxide. <i>Global Change - the IGBP Series</i> , 2007, , 103-112.	2.1	2
168	Directional Changes in Ecological Communities and Social-ecological Systems: A Framework for Prediction Based on Alaskan Examples. <i>American Naturalist</i> , 2006, 168, S36-S49.	1.0	40
169	CLIMATE CHANGE: Permafrost and the Global Carbon Budget. <i>Science</i> , 2006, 312, 1612-1613.	6.0	861
170	Scale-dependent environmental controls over species composition in Alaskan black spruce communities. <i>Canadian Journal of Forest Research</i> , 2006, 36, 1781-1796.	0.8	68
171	The Impact of Boreal Forest Fire on Climate Warming. <i>Science</i> , 2006, 314, 1130-1132.	6.0	765
172	SEASONAL VARIATIONS IN PLANT SPECIES EFFECTS ON SOIL N AND P DYNAMICS. <i>Ecology</i> , 2006, 87, 974-986.	1.5	91
173	The effect of post-fire stand age on the boreal forest energy balance. <i>Agricultural and Forest Meteorology</i> , 2006, 140, 41-50.	1.9	184
174	Biodiversity Loss Threatens Human Well-Being. <i>PLoS Biology</i> , 2006, 4, e277.	2.6	984
175	The Significance of Context in Community-Based Research: Understanding Discussions about Wildfire in Huslia, Alaska. <i>Ecology and Society</i> , 2006, 11, .	1.0	34
176	Methane bubbling from Siberian thaw lakes as a positive feedback to climate warming. <i>Nature</i> , 2006, 443, 71-75.	13.7	890
177	Effects of Soil Burn Severity on Post-Fire Tree Recruitment in Boreal Forest. <i>Ecosystems</i> , 2006, 9, 14-31.	1.6	313
178	Fire Interval Effects on Successional Trajectory in Boreal Forests of Northwest Canada. <i>Ecosystems</i> , 2006, 9, 268-277.	1.6	208
179	Reconciling Carbon-cycle Concepts, Terminology, and Methods. <i>Ecosystems</i> , 2006, 9, 1041-1050.	1.6	904
180	Human Impacts on the Fire Regime of Interior Alaska: Interactions among Fuels, Ignition Sources, and Fire Suppression. <i>Ecosystems</i> , 2006, 9, 1342-1353.	1.6	60

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181	Policy strategies to address sustainability of Alaskan boreal forests in response to a directionally changing climate. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16637-16643.	3.3	145
182	Cumulative impacts on Alaskan arctic tundra of a quarter century of road dust. Ecoscience, 2006, 13, 503-510.	0.6	33
183	Building Resilience and Adaptation to Manage Arctic Change. Ambio, 2006, 35, 198-202.	2.8	70
184	Integrated Regional Changes in Arctic Climate Feedbacks: Implications for the Global Climate System. Annual Review of Environment and Resources, 2006, 31, 61-91.	5.6	199
185	Climate Feedbacks in the Alaskan Boreal Forest. , 2006, , .		11
186	Selective gopher disturbance influences plant species effects on nitrogen cycling. Oikos, 2005, 109, 154-166.	1.2	21
187	Postfire Soil N Cycling in Northern Conifer Forests Affected by Severe, Stand-Replacing Wildfires. Ecosystems, 2005, 8, 163-181.	1.6	165
188	Spatial Heterogeneity and Soil Nitrogen Dynamics in a Burned Black Spruce Forest Stand: Distinct Controls at Different Scales. Biogeochemistry, 2005, 76, 517-537.	1.7	46
189	Evidence and Implications of Recent Climate Change in Northern Alaska and Other Arctic Regions. Climatic Change, 2005, 72, 251-298.	1.7	1,219
190	Plant Colonizers Shape Early N-dynamics in Gopher-mounds. Plant and Soil, 2005, 276, 327-334.	1.8	7
191	Differences in Surface Roughness, Energy, and CO ₂ Fluxes in Two Moist Tundra Vegetation Types, Kuparuk Watershed, Alaska, U.S.A. Arctic, Antarctic, and Alpine Research, 2005, 37, 61-67.	0.4	17
192	Causes and Consequences of Spatial Heterogeneity in Ecosystem Function. , 2005, , 9-30.		38
193	EFFECTS OF BIODIVERSITY ON ECOSYSTEM FUNCTIONING: A CONSENSUS OF CURRENT KNOWLEDGE. Ecological Monographs, 2005, 75, 3-35.	2.4	5,856
194	Surface energy exchanges along a tundra-forest transition and feedbacks to climate. Agricultural and Forest Meteorology, 2005, 131, 143-161.	1.9	180
195	Changes in the surface energy budget after fire in boreal ecosystems of interior Alaska: An annual perspective. Journal of Geophysical Research, 2005, 110, .	3.3	174
196	Arctic system on trajectory to new, seasonally ice-free state. Eos, 2005, 86, 309.	0.1	124
197	Global Consequences of Land Use. Science, 2005, 309, 570-574.	6.0	9,451
198	Role of Land-Surface Changes in Arctic Summer Warming. Science, 2005, 310, 657-660.	6.0	1,186

#	ARTICLE	IF	CITATIONS
199	Decadal observations of tree regeneration following fire in boreal forests. <i>Canadian Journal of Forest Research</i> , 2004, 34, 267-273.	0.8	203
200	Geographic Variations in Anthropogenic Drivers that Influence the Vulnerability and Resilience of Social-Ecological Systems. <i>Ambio</i> , 2004, 33, 377-382.	2.8	32
201	The nature of spatial transitions in the Arctic. <i>Journal of Biogeography</i> , 2004, 31, 1917-1933.	1.4	103
202	Impact of Agricultural Land-use Change on Carbon Storage in Boreal Alaska. <i>Global Change Biology</i> , 2004, 10, 452-472.	4.2	59
203	Detecting changes in arctic tundra plant communities in response to warming over decadal time scales. <i>Global Change Biology</i> , 2004, 10, 1325-1334.	4.2	105
204	Plant and soil responses to neighbour removal and fertilization in Alaskan tussock tundra. <i>Journal of Ecology</i> , 2004, 92, 635-647.	1.9	117
205	Ecosystem carbon storage in arctic tundra reduced by long-term nutrient fertilization. <i>Nature</i> , 2004, 431, 440-443.	13.7	898
206	Long-term ecosystem level experiments at Toolik Lake, Alaska, and at Abisko, Northern Sweden: generalizations and differences in ecosystem and plant type responses to global change. <i>Global Change Biology</i> , 2004, 10, 105-123.	4.2	299
207	Modeling Sustainability of Arctic Communities: An Interdisciplinary Collaboration of Researchers and Local Knowledge Holders. <i>Ecosystems</i> , 2004, 7, 815-828.	1.6	47
208	Global Change and the Boreal Forest: Thresholds, Shifting States or Gradual Change?. <i>Ambio</i> , 2004, 33, 361-365.	2.8	168
209	Controls on moss evaporation in a boreal black spruce forest. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	57
210	Carbon dioxide and water vapour exchange from understory species in boreal forest. <i>Agricultural and Forest Meteorology</i> , 2004, 123, 135-147.	1.9	89
211	Bringing Feedback and Resilience of High-latitude Ecosystems into the Corporate Boardroom. <i>Ambio</i> , 2004, 33, 371-376.	2.8	30
212	Title is missing!. <i>Biogeochemistry</i> , 2003, 64, 271-296.	1.7	48
213	Title is missing!. <i>Plant Ecology</i> , 2003, 165, 85-100.	0.7	120
214	Title is missing!. <i>Plant and Soil</i> , 2003, 250, 39-47.	1.8	25
215	Mycorrhizal colonization mediated by species interactions in arctic tundra. <i>Oecologia</i> , 2003, 137, 399-404.	0.9	35
216	Non-equilibrium succession dynamics indicate continued northern migration of lodgepole pine. <i>Global Change Biology</i> , 2003, 9, 1401-1409.	4.2	114

#	ARTICLE	IF	CITATIONS
217	Long-Term and Large-Scale Perspectives on the Relationship between Biodiversity and Ecosystem Functioning. <i>BioScience</i> , 2003, 53, 89.	2.2	156
218	FROSTFIRE: An experimental approach to predicting the climate feedbacks from the changing boreal fire regime. <i>Journal of Geophysical Research</i> , 2003, 108, FFR 9-1.	3.3	60
219	CO ₂ exchange between air and water in an Arctic Alaskan and midlatitude Swiss lake: Importance of convective mixing. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	153
220	Functional diversity revealed by removal experiments. <i>Trends in Ecology and Evolution</i> , 2003, 18, 140-146.	4.2	395
221	Functional Matrix: A Conceptual Framework for Predicting Multiple Plant Effects on Ecosystem Processes. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2003, 34, 455-485.	3.8	378
222	Effects of Plant Traits on Ecosystem and Regional Processes: a Conceptual Framework for Predicting the Consequences of Global Change. <i>Annals of Botany</i> , 2003, 91, 455-463.	1.4	278
223	Breaks in the cycle: dissolved organic nitrogen in terrestrial ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 205-211.	1.9	239
224	A REGIONAL STUDY OF THE CONTROLS ON WATER VAPOR AND CO ₂ EXCHANGE IN ARCTIC TUNDRA. <i>Ecology</i> , 2003, 84, 2762-2776.	1.5	88
225	Planning for resilience: modeling change in human-fire interactions in the Alaskan boreal forest. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 255-261.	1.9	67
226	GOPHER-PLANT-FUNGAL INTERACTIONS AFFECT ESTABLISHMENT OF AN INVASIVE GRASS. <i>Ecology</i> , 2003, 84, 120-128.	1.5	27
227	Breaks in the Cycle: Dissolved Organic Nitrogen in Terrestrial Ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 205.	1.9	2
228	Corrected calculations for soil and ecosystem measurements of CO ₂ flux using the LI-COR 6200 portable photosynthesis system. <i>Oecologia</i> , 2002, 132, 1-11.	0.9	46
229	The use of a reduced form model to assess the sensitivity of a land surface model to biotic surface parameters. <i>Climate Dynamics</i> , 2002, 19, 455-466.	1.7	17
230	Primary and secondary stem growth in arctic shrubs: implications for community response to environmental change. <i>Journal of Ecology</i> , 2002, 90, 251-267.	1.9	148
231	Modeling the Impact of Black Spruce on the Fire Regime of Alaskan Boreal Forest. <i>Climatic Change</i> , 2002, 55, 213-233.	1.7	63
232	The influence of plant species, fertilization and elevated CO ₂ on soil aggregate stability. <i>Plant and Soil</i> , 2002, 246, 211-219.	1.8	44
233	Impact of Arctic treeline on synoptic climate. <i>Geophysical Research Letters</i> , 2001, 28, 4247-4250.	1.5	41
234	Calcium-rich tundra, wildlife, and the "Mammoth Steppe": <i>Quaternary Science Reviews</i> , 2001, 20, 149-163.	1.4	95

#	ARTICLE	IF	CITATIONS
235	Substrate limitations to microbial activity in taiga forest floors. <i>Soil Biology and Biochemistry</i> , 2001, 33, 173-188.	4.2	200
236	Contrasting effects of elevated CO ₂ on old and new soil carbon pools. <i>Soil Biology and Biochemistry</i> , 2001, 33, 365-373.	4.2	163
237	SPECIES COMPOSITION INTERACTS WITH FERTILIZER TO CONTROL LONG-TERM CHANGE IN TUNDRA PRODUCTIVITY. <i>Ecology</i> , 2001, 82, 3163-3181.	1.5	271
238	Species-specific responses of plant communities to altered carbon and nutrient availability. <i>Global Change Biology</i> , 2001, 7, 435-450.	4.2	50
239	The relationships among root and leaf traits of 76 grassland species and relative abundance along fertility and disturbance gradients. <i>Oikos</i> , 2001, 93, 274-285.	1.2	330
240	Analyzing the functional type concept in arctic plants using a dynamic vegetation model. <i>Oikos</i> , 2001, 95, 239-252.	1.2	35
241	Title is missing!. <i>Climatic Change</i> , 2001, 48, 399-416.	1.7	88
242	Herbivory-Mediated Responses of Selected Boreal Forests to Climatic Change. <i>Climatic Change</i> , 2001, 48, 427-440.	1.7	58
243	Nitrogen limitation of microbial decomposition in a grassland under elevated CO ₂ . <i>Nature</i> , 2001, 409, 188-191.	13.7	348
244	The roots of the matter. <i>Nature</i> , 2001, 411, 749-751.	13.7	32
245	The Representation of Arctic Soils in the Land Surface Model: The Importance of Mosses. <i>Journal of Climate</i> , 2001, 14, 3324-3335.	1.2	196
246	Snow-Shrub Interactions in Arctic Tundra: A Hypothesis with Climatic Implications. <i>Journal of Climate</i> , 2001, 14, 336-344.	1.2	512
247	Potential Biodiversity Change: Global Patterns and Biome Comparisons. <i>Ecological Studies</i> , 2001, , 351-367.	0.4	8
248	Boreal Forest. <i>Ecological Studies</i> , 2001, , 101-120.	0.4	5
249	Global change and arctic ecosystems: is lichen decline a function of increases in vascular plant biomass?. , 2001, 89, 984.		256
250	SPECIES COMPOSITION INTERACTS WITH FERTILIZER TO CONTROL LONG-TERM CHANGE IN TUNDRA PRODUCTIVITY. , 2001, 82, 3163.		11
251	Plant species provide vital ecosystem functions for sustainable agriculture, rangeland management and restoration. <i>California Agriculture</i> , 2001, 55, 54-60.	0.5	30
252	Summer Differences among Arctic Ecosystems in Regional Climate Forcing. <i>Journal of Climate</i> , 2000, 13, 2002-2010.	1.2	111

#	ARTICLE	IF	CITATIONS
253	Response of subarctic vegetation to transient climatic change on the Seward Peninsula in north-west Alaska. <i>Global Change Biology</i> , 2000, 6, 541-555.	4.2	100
254	Geographic patterns and dynamics of Alaskan climate interpolated from a sparse station record. <i>Global Change Biology</i> , 2000, 6, 49-58.	4.2	51
255	Land-atmosphere energy exchange in Arctic tundra and boreal forest: available data and feedbacks to climate. <i>Global Change Biology</i> , 2000, 6, 84-115.	4.2	346
256	The controls on net ecosystem productivity along an Arctic transect: a model comparison with flux measurements. <i>Global Change Biology</i> , 2000, 6, 116-126.	4.2	114
257	Arctic and boreal ecosystems of western North America as components of the climate system. <i>Global Change Biology</i> , 2000, 6, 211-223.	4.2	488
258	Consequences of changing biodiversity. <i>Nature</i> , 2000, 405, 234-242.	13.7	3,209
259	Observational Evidence of Recent Change in the Northern High-Latitude Environment. <i>Climatic Change</i> , 2000, 46, 159-207.	1.7	1,690
260	Title is missing!. , 2000, 49, 37-51.		28
261	Title is missing!. <i>Landscape Ecology</i> , 2000, 15, 383-400.	1.9	85
262	Fire effects on ecosystem nitrogen cycling in a Californian bishop pine forest. <i>Oecologia</i> , 2000, 122, 537-544.	0.9	194
263	DIFFERENTIAL EFFECTS OF COMPETITION OR MICROENVIRONMENT ON BOREAL TREE SEEDLING ESTABLISHMENT AFTER FIRE. <i>Ecology</i> , 2000, 81, 1086-1099.	1.5	40
264	A TRANSIENT, NUTRIENT-BASED MODEL OF ARCTIC PLANT COMMUNITY RESPONSE TO CLIMATIC WARMING. , 2000, 10, 824-841.		116
265	Global Biodiversity Scenarios for the Year 2100 . <i>Science</i> , 2000, 287, 1770-1774.	6.0	7,077
266	Global Warming and Terrestrial Ecosystems: A Conceptual Framework for Analysis. <i>BioScience</i> , 2000, 50, 871.	2.2	599
267	Nutrient Manipulations in Terrestrial Ecosystems. , 2000, , 291-307.		13
268	DIFFERENTIAL EFFECTS OF COMPETITION OR MICROENVIRONMENT ON BOREAL TREE SEEDLING ESTABLISHMENT AFTER FIRE. , 2000, 81, 1086.		1
269	Recovery of Productivity and Species Diversity in Tussock Tundra following Disturbance. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 254-258.	0.4	25
270	Plant Responses to Species Removal and Experimental Warming in Alaskan Tussock Tundra. <i>Oikos</i> , 1999, 84, 417.	1.2	120

#	ARTICLE	IF	CITATIONS
271	Arctic Soil Respiration: Effects of Climate and Vegetation Depend on Season. <i>Ecosystems</i> , 1999, 2, 451-459.	1.6	112
272	Contribution of Disturbance to Increasing Seasonal Amplitude of Atmospheric CO ₂ . <i>Science</i> , 1999, 284, 1973-1976.	6.0	94
273	Soil microbial feedbacks to atmospheric CO ₂ enrichment. <i>Trends in Ecology and Evolution</i> , 1999, 14, 433-437.	4.2	100
274	The Mineral Nutrition of Wild Plants Revisited: A Re-evaluation of Processes and Patterns. <i>Advances in Ecological Research</i> , 1999, , 1-67.	1.4	1,675
275	Recovery of Productivity and Species Diversity in Tussock Tundra Following Disturbance. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 254.	0.4	14
276	Response of tundra CH ₄ and CO ₂ flux to manipulation of temperature and vegetation. <i>Biogeochemistry</i> , 1998, 41, 215-235.	1.7	119
277	Predominance of ecophysiological controls on soil CO ₂ flux in a Minnesota grassland. <i>Plant and Soil</i> , 1998, 207, 77-86.	1.8	226
278	Energy and trace-gas fluxes across a soil pH boundary in the Arctic. <i>Nature</i> , 1998, 394, 469-472.	13.7	135
279	Foraging for nutrients, responses to changes in light, and competition in tropical deciduous tree seedlings. <i>Oecologia</i> , 1998, 117, 209-216.	0.9	43
280	An experimental test of limits to tree establishment in Arctic tundra. <i>Journal of Ecology</i> , 1998, 86, 449-461.	1.9	123
281	The Response of Tundra Plant Biomass, Aboveground Production, Nitrogen, and CO ₂ Flux to Experimental Warming. <i>Ecology</i> , 1998, 79, 1526.	1.5	9
282	THE RESPONSE OF TUNDRA PLANT BIOMASS, ABOVEGROUND PRODUCTION, NITROGEN, AND CO ₂ FLUX TO EXPERIMENTAL WARMING. <i>Ecology</i> , 1998, 79, 1526-1544.	1.5	274
283	Ecosystem Consequences of Changing Biodiversity. <i>BioScience</i> , 1998, 48, 45-52.	2.2	319
284	Subgrid-scale variability in the surface energy balance of arctic tundra. <i>Journal of Geophysical Research</i> , 1998, 103, 28947-28961.	3.3	107
285	Mineral Nutrition. , 1998, , 239-298.		10
286	Effect of Changing Light Availability on Nutrient Foraging in Tropical Deciduous Tree-Seedlings. <i>Oikos</i> , 1998, 82, 449.	1.2	21
287	Role in Ecosystem and Global Processes. , 1998, , 495-517.		5
288	Photosynthesis, Respiration, and Long-Distance Transport. , 1998, , 10-153.		43

#	ARTICLE	IF	CITATIONS
289	Growth and Allocation. , 1998, , 299-351.		13
290	Biotic Influences. , 1998, , 378-494.		2
291	Elevated Atmospheric CO2 and Soil Biota. , 1998, 281, 517d-517.		4
292	Life Cycles: Environmental Influences and Adaptations. , 1998, , 352-377.		0
293	Nutrient sensitivity of the cost of male function in gynodioecious <i>Phacelia linearis</i> (Hydrophyllaceae). <i>American Journal of Botany</i> , 1997, 84, 1092-1098.	0.8	45
294	The Logic of Carbon and Nitrogen Interactions in Terrestrial Ecosystems. <i>American Naturalist</i> , 1997, 149, 723-744.	1.0	60
295	CLIMATIC EFFECTS ON TUNDRA CARBON STORAGE INFERRED FROM EXPERIMENTAL DATA AND A MODEL. <i>Ecology</i> , 1997, 78, 1170-1187.	1.5	147
296	Biotic Control over the Functioning of Ecosystems. <i>Science</i> , 1997, 277, 500-504.	6.0	948
297	North Siberian Lakes: A Methane Source Fueled by Pleistocene Carbon. <i>Science</i> , 1997, 277, 800-802.	6.0	293
298	RECONSTRUCTION AND ANALYSIS OF HISTORICAL CHANGES IN CARBON STORAGE IN ARCTIC TUNDRA. <i>Ecology</i> , 1997, 78, 1188-1198.	1.5	66
299	Plant-microbial interactions. <i>Nature</i> , 1997, 385, 26-27.	13.7	56
300	The fate of carbon in grasslands under carbon dioxide enrichment. <i>Nature</i> , 1997, 388, 576-579.	13.7	444
301	TIME LAGS AND NOVEL ECOSYSTEMS IN RESPONSE TO TRANSIENT CLIMATIC CHANGE IN ARCTIC ALASKA. , 1997, 35, 449-461.		188
302	Title is missing!. <i>Biogeochemistry</i> , 1997, 36, 223-237.	1.7	73
303	Title is missing!. <i>Biogeochemistry</i> , 1997, 37, 89-109.	1.7	121
304	A Comparative Approach to Regional Variation in Surface Fluxes Using Mobile Eddy Correlation Towers. <i>Boundary-Layer Meteorology</i> , 1997, 85, 293-307.	1.2	69
305	Stimulation of grassland nitrogen cycling under carbon dioxide enrichment. <i>Oecologia</i> , 1997, 109, 149-153.	0.9	166
306	Impacts of Global Change on Composition of Arctic Communities: Implications for Ecosystem Functioning. <i>Ecological Studies</i> , 1997, , 221-228.	0.4	10

#	ARTICLE	IF	CITATIONS
307	Physiological and Growth Responses of Arctic Plants to a Field Experiment Simulating Climatic Change. <i>Ecology</i> , 1996, 77, 822-840.	1.5	320
308	Model of Transient Changes in Arctic and Boreal Vegetation in Response to Climate and Land Use Change. , 1996, 6, 842-864.		110
309	Principles of Ecosystem Sustainability. <i>American Naturalist</i> , 1996, 148, 1016-1037.	1.0	184
310	Plant functional types as predictors of transient responses of arctic vegetation to global change. <i>Journal of Vegetation Science</i> , 1996, 7, 347-358.	1.1	461
311	Winter regulation of tundra litter carbon and nitrogen dynamics. <i>Biogeochemistry</i> , 1996, 35, 327-338.	1.7	217
312	Tundra Plant Uptake of Amino Acid and NH ₄ +Nitrogen in Situ: Plants Complete Well for Amino Acid N. <i>Ecology</i> , 1996, 77, 2142-2147.	1.5	285
313	Plant Species Mediate Changes in Soil Microbial N in Response to Elevated CO ₂ . <i>Ecology</i> , 1996, 77, 2505-2515.	1.5	93
314	The Jasper Ridge CO ₂ Experiment: Design and Motivation. , 1996, , 121-145.		47
315	Long-term responses to factorial, NPK fertilizer treatment by Alaskan wet and moist tundra sedge species. <i>Ecography</i> , 1995, 18, 259-275.	2.1	190
316	Steppe-Tundra Transition: A Herbivore-Driven Biome Shift at the End of the Pleistocene. <i>American Naturalist</i> , 1995, 146, 765-794.	1.0	354
317	Boreal forest and tundra ecosystems as components of the climate system. <i>Climatic Change</i> , 1995, 29, 145-167.	1.7	250
318	Detecting changes in soil carbon in CO ₂ enrichment experiments. <i>Plant and Soil</i> , 1995, 187, 135-145.	1.8	134
319	New cog in the nitrogen cycle. <i>Nature</i> , 1995, 377, 199-200.	13.7	107
320	Responses of Arctic Tundra to Experimental and Observed Changes in Climate. <i>Ecology</i> , 1995, 76, 694-711.	1.5	1,168
321	Mechanisms of Primary Succession Following Deglaciation at Glacier Bay, Alaska. <i>Ecological Monographs</i> , 1994, 64, 149-175.	2.4	878
322	Future directions of global change research in terrestrial ecosystems. <i>Trends in Ecology and Evolution</i> , 1994, 9, 371-372.	4.2	14
323	Arctic and alpine biodiversity: patterns, causes and ecosystem consequences. <i>Trends in Ecology and Evolution</i> , 1994, 9, 45-47.	4.2	95
324	Needle loss as a mechanism of winter drought avoidance in boreal conifers. <i>Canadian Journal of Forest Research</i> , 1994, 24, 1144-1148.	0.8	40

#	ARTICLE	IF	CITATIONS
325	Phosphate Uptake in Arctic Plants in Relation to Phosphate Supply: The Role of Spatial and Temporal Variability. <i>Oikos</i> , 1994, 70, 443.	1.2	24
326	Preferential use of organic nitrogen for growth by a non-mycorrhizal arctic sedge. <i>Nature</i> , 1993, 361, 150-153.	13.7	653
327	Environmental responses of plants and ecosystems as predictors of the impact of global change. <i>Journal of Biosciences</i> , 1993, 18, 515-524.	0.5	30
328	Direct and indirect effects of calcium sulfate and nitrogen on growth and succession of trees on the Tanana River floodplain, interior Alaska. <i>Canadian Journal of Forest Research</i> , 1993, 23, 995-1000.	0.8	42
329	Controls over Nutrient Resorption from Leaves of Evergreen Mediterranean Species. <i>Ecology</i> , 1993, 74, 124-129.	1.5	156
330	Evolution of Suites of Traits in Response to Environmental Stress. <i>American Naturalist</i> , 1993, 142, S78-S92.	1.0	737
331	Functional Role of Growth Forms in Ecosystem and Global Processes. , 1993, , 287-312.		101
332	Global Change and the Carbon Balance of Arctic Ecosystems. <i>BioScience</i> , 1992, 42, 433-441.	2.2	416
333	Environmental and physiological factors governing nutrient resorption efficiency in barley. <i>Oecologia</i> , 1992, 90, 120-126.	0.9	66
334	Nutrient Absorption and Accumulation in Arctic Plants. , 1992, , 321-335.		37
335	Integrated Responses of Plants to Stress. <i>BioScience</i> , 1991, 41, 29-36.	2.2	656
336	Element Cycling in Taiga Forests: State-Factor Control. <i>BioScience</i> , 1991, 41, 78-88.	2.2	242
337	Effects of Multiple Environmental Stresses on Nutrient Availability and Use. , 1991, , 67-88.		185
338	Seasonal uptake and allocation of phosphorus in <i>Eriophorum vaginatum</i> L measured by labelling with ³² P. <i>New Phytologist</i> , 1991, 118, 349-357.	3.5	48
339	Carbon/nutrient balance as a predictor of plant defense in Alaskan balsam poplar: Potential importance of metabolite turnover. <i>Oecologia</i> , 1991, 88, 401-406.	0.9	142
340	Ammonium and nitrate as nitrogen sources in two <i>Eriophorum</i> species. <i>Oecologia</i> , 1991, 88, 570-573.	0.9	29
341	Production: Biomass Relationships and Element Cycling in Contrasting Arctic Vegetation Types. <i>Ecological Monographs</i> , 1991, 61, 1-31.	2.4	463
342	Nutritional Controls Over Nitrogen and Phosphorus Resorption From Alaskan Birch Leaves. <i>Ecology</i> , 1991, 72, 709-715.	1.5	202

#	ARTICLE	IF	CITATIONS
343	Winter chemical defense of Alaskan balsam poplar against snowshoe hares. <i>Journal of Chemical Ecology</i> , 1990, 16, 1941-1959.	0.9	109
344	Patterns of Natural Revegetation on Abandoned Gravel Pads in Arctic Alaska. <i>Journal of Applied Ecology</i> , 1989, 26, 1073.	1.9	28
345	Lack of Latitudinal Variations in Graminoid Storage Reserves. <i>Ecology</i> , 1989, 70, 269-272.	1.5	12
346	Competitive Ability and Adaptation to Fertile and Infertile Soils in Two <i>Eriophorum</i> Species. <i>Ecology</i> , 1989, 70, 736-749.	1.5	95
347	Seasonal control over allocation to reproduction in a tussock-forming and a rhizomatous species of <i>Eriophorum</i> in central Alaska. <i>Oecologia</i> , 1989, 78, 27-34.	0.9	15
348	Physiological determinants of growth rate in response to phosphorus supply in wild and cultivated <i>Hordeum</i> species. <i>Oecologia</i> , 1989, 79, 96-105.	0.9	63
349	Lack of compensatory growth under phosphorus deficiency in grazing-adapted grasses from the Serengeti Plains. <i>Oecologia</i> , 1989, 79, 551-557.	0.9	99
350	Competition causes regular spacing of alder in Alaskan shrub tundra. <i>Oecologia</i> , 1989, 79, 412-416.	0.9	59
351	Establishment of <i>Salix alaxensis</i> on a Gravel Pad in Arctic Alaska. <i>Journal of Applied Ecology</i> , 1989, 26, 575.	1.9	31
352	The Cost of Tundra Plant Structures: Evaluation of Concepts and Currencies. <i>American Naturalist</i> , 1989, 133, 1-19.	1.0	181
353	Approaches to studying nutrient uptake, use and loss in plants. , 1989, , 185-207.		64
354	Differences in carbon and nutrient fractions among arctic growth forms. <i>Oecologia</i> , 1988, 77, 506-514.	0.9	48
355	Effect of nitrogen stress and abscisic acid on nitrate absorption and transport in barley and tomato. <i>Planta</i> , 1988, 173, 340-351.	1.6	27
356	Growth response of barley and tomato to nitrogen stress and its control by abscisic acid, water relations and photosynthesis. <i>Planta</i> , 1988, 173, 352-366.	1.6	164
357	Effect of Phosphorus Deficiency on Source-Sink Interactions Between the Flag Leaf and Developing Grain in Barley. <i>Journal of Experimental Botany</i> , 1988, 39, 165-177.	2.4	45
358	Defensive Responses of Trees in Relation to Their Carbon/Nutrient Balance. , 1988, , 57-72.		109
359	Productivity and Nutrient Cycling of Alaskan Tundra: Enhancement by Flowing Soil Water. <i>Ecology</i> , 1988, 69, 693-702.	1.5	176
360	Productivity and Nutrient Cycling of Alaskan Tundra: Enhancement by Flowing Water. <i>Ecology</i> , 1988, 69, 1638-1638.	1.5	69

#	ARTICLE	IF	CITATIONS
361	Interactions among Processes Controlling Successional Change. <i>Oikos</i> , 1987, 50, 131.	1.2	256
362	Plant Responses to Multiple Environmental Factors. <i>BioScience</i> , 1987, 37, 49-57.	2.2	1,109
363	Application of Successional Theory to Tundra Restoration: A Review. <i>Arctic and Alpine Research</i> , 1987, 19, 366.	1.3	31
364	Response of winter chemical defense in Alaska paper birch and green alder to manipulation of plant carbon/nutrient balance. <i>Oecologia</i> , 1987, 72, 510-514.	0.9	172
365	The role of mosses in the phosphorus cycling of an Alaskan black spruce forest. <i>Oecologia</i> , 1987, 74, 310-315.	0.9	100
366	Adaptations and physiological responses of wild plants to nutrient stress. , 1987, , 15-25.		15
367	The Role of Life History Processes in Primary Succession on an Alaskan Floodplain. <i>Ecology</i> , 1986, 67, 1243-1253.	1.5	245
368	Plant Phenols and Nutrients in Relation to Variations in Climate and Rodent Grazing. <i>American Naturalist</i> , 1986, 128, 394-408.	1.0	125
369	The Nature of Nutrient Limitation in Plant Communities. <i>American Naturalist</i> , 1986, 127, 48-58.	1.0	676
370	Growth and Flowering in <i>Eriophorum Vaginatatum</i> : Annual and Latitudinal Variation. <i>Ecology</i> , 1986, 67, 1524-1535.	1.5	60
371	Relationship of ion absorption to growth rate in taiga trees. <i>Oecologia</i> , 1986, 69, 238-242.	0.9	108
372	Physiological Controls Over Seedling Growth in Primary Succession on an Alaskan Floodplain. <i>Ecology</i> , 1986, 67, 1508-1523.	1.5	189
373	Effects of Phosphorus Nutrition and Defoliation on C4Graminoids from the Serengeti Plains. <i>Ecology</i> , 1985, 66, 1617-1629.	1.5	137
374	Lack of induced chemical defense in juvenile Alaskan woody plants in response to simulated browsing. <i>Oecologia</i> , 1985, 67, 457-459.	0.9	47
375	Significance of sequential leaf development for nutrient balance of the cotton sedge, <i>Eriophorum vaginatum</i> L. <i>Oecologia</i> , 1985, 67, 511-518.	0.9	137
376	Individualistic Growth Response of Tundra Plant Species to Environmental Manipulations in the Field. <i>Ecology</i> , 1985, 66, 564-576.	1.5	576
377	<i>Arctic</i> . , 1985, , 16-40.		66
378	Resource Availability and Plant Antitherbivore Defense. <i>Science</i> , 1985, 230, 895-899.	6.0	3,410

#	ARTICLE	IF	CITATIONS
379	Adaptation of selected trees and grasses to low availability of phosphorus. <i>Plant and Soil</i> , 1983, 72, 283-287.	1.8	39
380	Direct and indirect effects of temperature on arctic plants. <i>Polar Biology</i> , 1983, 2, 47-52.	0.5	220
381	Nitrogen and phosphorus nutrition and nutrient cycling by evergreen and deciduous understory shrubs in an Alaskan black spruce forest. <i>Canadian Journal of Forest Research</i> , 1983, 13, 773-781.	0.8	68
382	Influence of phosphorus on growth and biomass distribution of Alaskan taiga tree seedlings. <i>Canadian Journal of Forest Research</i> , 1983, 13, 1092-1098.	0.8	50
383	Temperature control over root growth and root biomass in taiga forest trees. <i>Canadian Journal of Forest Research</i> , 1983, 13, 827-833.	0.8	143
384	Carbon/Nutrient Balance of Boreal Plants in Relation to Vertebrate Herbivory. <i>Oikos</i> , 1983, 40, 357.	1.2	2,062
385	Seasonal Changes in Nitrogen and Phosphorus Fractions and Autumn Retranslocation in Evergreen and Deciduous Taiga Trees. <i>Ecology</i> , 1983, 64, 376-391.	1.5	612
386	Photosynthesis, Respiration, and Phosphate Absorption by <i>Carex Aquatilis</i> Ecotypes along Latitudinal and Local Environmental Gradients. <i>Ecology</i> , 1983, 64, 743-751.	1.5	96
387	Habitat and leaf habit as determinants of growth, nutrient absorption, and nutrient use by Alaskan taiga forest species. <i>Canadian Journal of Forest Research</i> , 1983, 13, 818-826.	0.8	45
388	Demographic Patterns of Seedling Establishment and Growth of Native Graminoids in an Alaskan Tundra Disturbance. <i>Journal of Applied Ecology</i> , 1983, 20, 965.	1.9	63
389	SPRING GROWTH OF SHOOTS AND ROOTS IN SHRUBS OF AN ALASKAN MUSKEG. <i>American Journal of Botany</i> , 1983, 70, 1509-1515.	0.8	32
390	SPRING GROWTH OF SHOOTS AND ROOTS IN SHRUBS OF AN ALASKAN MUSKEG. , 1983, 70, 1509.		25
391	Growth, Phosphate Absorption, and Phosphorus Chemical Fractions in Two <i>Chionochloa</i> Species. <i>Journal of Ecology</i> , 1982, 70, 305.	1.9	93
392	Phosphate absorption and root respiration of different plant growth forms from northern Alaska. <i>Ecography</i> , 1982, 5, 164-171.	2.1	10
393	Mild phosphorus stress in barley and a related low-phosphorus-adapted barleygrass: Phosphorus fractions and phosphate absorption in relation to growth. <i>Physiologia Plantarum</i> , 1982, 54, 309-317.	2.6	120
394	Changes in Soil Properties and Vegetation Following Disturbance of Alaskan Arctic Tundra. <i>Journal of Applied Ecology</i> , 1981, 18, 605.	1.9	107
395	Ecotypic Differentiation of Growth Processes in <i>Carex Aquatilis</i> along Latitudinal and Local Gradients. <i>Ecology</i> , 1981, 62, 1000-1009.	1.5	109
396	Differences in Steady-State Net Ammonium and Nitrate Influx by Cold- and Warm-Adapted Barley Varieties. <i>Plant Physiology</i> , 1981, 68, 1064-1067.	2.3	67

#	ARTICLE	IF	CITATIONS
397	Revegetation of an Arctic Disturbed Site by Native Tundra Species. <i>Journal of Applied Ecology</i> , 1980, 17, 449.	1.9	64
398	The Mineral Nutrition of Wild Plants. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1980, 11, 233-260.	6.7	3,388
399	Response to Fertilization by Various Plant Growth Forms in an Alaskan Tundra: Nutrient Accumulation and Growth. <i>Ecology</i> , 1980, 61, 662-675.	1.5	457
400	Nutrient Allocation and Responses to Defoliation in Tundra Plants. <i>Arctic and Alpine Research</i> , 1980, 12, 553.	1.3	120
401	Effect of defoliation upon root growth, phosphate absorption and respiration in nutrient-limited tundra graminoids. <i>Oecologia</i> , 1979, 42, 67-79.	0.9	120
402	Lipid Properties of <i>Carex aquatilis</i> from Hot Spring and Permafrost-Dominated Sites in Alaska: Implications for Nutrient Requirements. <i>Physiologia Plantarum</i> , 1978, 44, 231-237.	2.6	15
403	Temperature Compensation in Phosphate Absorption Occurring over Diverse Time Scales. <i>Arctic and Alpine Research</i> , 1977, 9, 139.	1.3	8
404	Radioassay of ³² P in intact plant roots using Cerenkov radiation detection. <i>The International Journal of Applied Radiation and Isotopes</i> , 1974, 25, 568-570.	0.7	19
405	Morphological and Physiological Mechanisms of Temperature Compensation in Phosphate Absorption along a Latitudinal Gradient. <i>Ecology</i> , 1974, 55, 1180-1198.	1.5	123
406	A safe operating space for humanity. , 0, .		1
407	A Holistic Definition of Healthy Traditional Harvest Practices for Rural Indigenous Communities in Interior Alaska. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 0, , 1-15.	2.4	2