

Stephen C Hart

List of Publications by Year in descending order

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143
papers

15,878
citations

28274
55
h-index

17105
122
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146
all docs

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docs citations

146
times ranked

14630
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of climate and disturbance on nutrient fluxes and stoichiometry in mixed-conifer forests. <i>Biogeochemistry</i> , 2022, 158, 1-20.	3.5	4
2	Ecological and genomic responses of soil microbiomes to high-severity wildfire: linking community assembly to functional potential. <i>ISME Journal</i> , 2022, 16, 1853-1863.	9.8	28
3	Montane Meadows: A Soil Carbon Sink or Source?. <i>Ecosystems</i> , 2021, 24, 1125-1141.	3.4	17
4	Stream Water Chemistry in Mixed-Conifer Headwater Basins: Role of Water Sources, Seasonality, Watershed Characteristics, and Disturbances. <i>Ecosystems</i> , 2021, 24, 1853-1874.	3.4	3
5	Metabolic capabilities mute positive response to direct and indirect impacts of warming throughout the soil profile. <i>Nature Communications</i> , 2021, 12, 2089.	12.8	36
6	Response to Comment on "Cannabis and the Environment: What Science Tells Us and What We Still Need to Know". <i>Environmental Science and Technology Letters</i> , 2021, 8, 486-486.	8.7	0
7	Methane dynamics of high-elevation lakes in the Sierra Nevada California: the role of elevation, temperature, and inorganic nutrients. <i>Inland Waters</i> , 2021, 11, 267-277.	2.2	3
8	Organic matter amendments improve soil fertility in almond orchards of contrasting soil texture. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 120, 343-361.	2.2	18
9	Cannabis and the Environment: What Science Tells Us and What We Still Need to Know. <i>Environmental Science and Technology Letters</i> , 2021, 8, 98-107.	8.7	28
10	Deep in the Sierra Nevada critical zone: saprock represents a large terrestrial organic carbon stock. <i>Environmental Research Letters</i> , 2021, 16, 124059.	5.2	12
11	Depth dependence of climatic controls on soil microbial community activity and composition. <i>ISME Communications</i> , 2021, 1, .	4.2	16
12	Climatic vulnerabilities and ecological preferences of soil invertebrates across biomes. <i>Molecular Ecology</i> , 2020, 29, 752-761.	3.9	29
13	Quantifying Uncertainties in Sequential Chemical Extraction of Soil Phosphorus Using XANES Spectroscopy. <i>Environmental Science & Technology</i> , 2020, 54, 2257-2267.	10.0	61
14	Soil microbial communities associated with giant sequoia: How does the world's largest tree affect some of the world's smallest organisms?. <i>Ecology and Evolution</i> , 2020, 10, 6593-6609.	1.9	4
15	The influence of soil age on ecosystem structure and function across biomes. <i>Nature Communications</i> , 2020, 11, 4721.	12.8	47
16	Simple methods to remove microbes from leaf surfaces. <i>Journal of Basic Microbiology</i> , 2020, 60, 730-734.	3.3	14
17	The expanding role of deep roots during long-term terrestrial ecosystem development. <i>Journal of Ecology</i> , 2020, 108, 2256-2269.	4.0	6
18	Phosphorus Speciation in Atmospherically Deposited Particulate Matter and Implications for Terrestrial Ecosystem Productivity. <i>Environmental Science & Technology</i> , 2020, 54, 4984-4994.	10.0	8

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19	High-severity wildfire leads to multi-decadal impacts on soil biogeochemistry in mixed-conifer forests. <i>Ecological Applications</i> , 2020, 30, e02072.	3.8	59
20	Multiple elements of soil biodiversity drive ecosystem functions across biomes. <i>Nature Ecology and Evolution</i> , 2020, 4, 210-220.	7.8	543
21	Continental-scale patterns of extracellular enzyme activity in the subsoil: an overlooked reservoir of microbial activity. <i>Environmental Research Letters</i> , 2020, 15, 1040a1.	5.2	32
22	Genetic variation in tree leaf chemistry predicts the abundance and activity of autotrophic soil microorganisms. <i>Ecosphere</i> , 2019, 10, e02795.	2.2	5
23	Global ecological predictors of the soil priming effect. <i>Nature Communications</i> , 2019, 10, 3481.	12.8	148
24	Aeolian dust deposition and the perturbation of phosphorus transformations during long-term ecosystem development in a cool, semi-arid environment. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 246, 498-514.	3.9	32
25	Carbon control on terrestrial ecosystem function across contrasting site productivities: the carbon connection revisited. <i>Ecology</i> , 2019, 100, e02695.	3.2	22
26	Changes in belowground biodiversity during ecosystem development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6891-6896.	7.1	151
27	Ecological and Genomic Attributes of Novel Bacterial Taxa That Thrive in Subsurface Soil Horizons. <i>MBio</i> , 2019, 10, .	4.1	108
28	Stabilization Mechanisms and Decomposition Potential of Eroded Soil Organic Matter Pools in Temperate Forests of the Sierra Nevada, California. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2-17.	3.0	14
29	Subsurface plant-accessible water in mountain ecosystems with a Mediterranean climate. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, e1277.	6.5	90
30	Quantifying the legacy of snowmelt timing on soil greenhouse gas emissions in a seasonally dry montane forest. <i>Global Change Biology</i> , 2018, 24, 5933-5947.	9.5	6
31	Building flux capacity: Citizen scientists increase resolution of soil greenhouse gas fluxes. <i>PLoS ONE</i> , 2018, 13, e0198997.	2.5	5
32	Invasive plants decrease microbial capacity to nitrify and denitrify compared to native California grassland communities. <i>Biological Invasions</i> , 2017, 19, 2941-2957.	2.4	18
33	Local biotic adaptation of trees and shrubs to plant neighbors. <i>Oikos</i> , 2017, 126, 583-593.	2.7	20
34	Tree genetics strongly affect forest productivity, but intraspecific diversity-productivity relationships do not. <i>Functional Ecology</i> , 2017, 31, 520-529.	3.6	21
35	Fire Reduces Fungal Species Richness and In Situ Mycorrhizal Colonization: A Meta-Analysis. <i>Fire Ecology</i> , 2017, 13, 37-65.	3.0	94
36	A multi-scale evaluation of pack stock effects on subalpine meadow plant communities in the Sierra Nevada. <i>PLoS ONE</i> , 2017, 12, e0178536.	2.5	3

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37	Short-Term Belowground Responses to Thinning and Burning Treatments in Southwestern Ponderosa Pine Forests of the USA. <i>Forests</i> , 2016, 7, 45.	2.1	19
38	Microbial Community Structure of Subalpine Snow in the Sierra Nevada, California. <i>Arctic, Antarctic, and Alpine Research</i> , 2016, 48, 685-701.	1.1	13
39	No evidence of resource limitation to aboveground growth of blue grama (<i>Bouteloua gracilis</i>) on 1 ky-old semi-arid substrate. <i>Biogeochemistry</i> , 2016, 131, 243-251.	3.5	3
40	Meta-analysis reveals ammonia-oxidizing bacteria respond more strongly to nitrogen addition than ammonia-oxidizing archaea. <i>Soil Biology and Biochemistry</i> , 2016, 99, 158-166.	8.8	194
41	Tracing the source of soil organic matter eroded from temperate forest catchments using carbon and nitrogen isotopes. <i>Chemical Geology</i> , 2016, 445, 172-184.	3.3	81
42	Strontium source and depth of uptake shifts with substrate age in semiarid ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1069-1077.	3.0	18
43	Soil carbon and nitrogen erosion in forested catchments: implications for erosion-induced terrestrial carbon sequestration. <i>Biogeosciences</i> , 2015, 12, 4861-4874.	3.3	43
44	Soil microbial community structure is unaltered by plant invasion, vegetation clipping, and nitrogen fertilization in experimental semi-arid grasslands. <i>Frontiers in Microbiology</i> , 2015, 6, 466.	3.5	73
45	Soil microbial community resilience with tree thinning in a 40-year-old experimental ponderosa pine forest. <i>Applied Soil Ecology</i> , 2015, 93, 1-10.	4.3	28
46	Shifting soil resource limitations and ecosystem retrogression across a three million year semi-arid substrate age gradient. <i>Biogeochemistry</i> , 2015, 124, 177-186.	3.5	15
47	Proximate controls on semiarid soil greenhouse gas fluxes across 3 million years of soil development. <i>Biogeochemistry</i> , 2015, 125, 375-391.	3.5	2
48	Snowmelt timing alters shallow but not deep soil moisture in the Sierra Nevada. <i>Water Resources Research</i> , 2014, 50, 1448-1456.	4.2	74
49	What is the relationship between soil methane oxidation and other C compounds?. <i>Global Change Biology</i> , 2014, 20, 2381-2382.	9.5	15
50	Stand-replacing wildfires increase nitrification for decades in southwestern ponderosa pine forests. <i>Oecologia</i> , 2014, 175, 395-407.	2.0	16
51	Hydrological Control of Greenhouse Gas Fluxes in a Sierra Nevada Subalpine Meadow. <i>Arctic, Antarctic, and Alpine Research</i> , 2014, 46, 355-364.	1.1	4
52	Evaluation of mechanisms controlling the priming of soil carbon along a substrate age gradient. <i>Soil Biology and Biochemistry</i> , 2013, 58, 293-301.	8.8	56
53	The significance of atmospheric nutrient inputs and canopy interception of precipitation during ecosystem development in piñon-juniper woodlands of the southwestern USA. <i>Journal of Arid Environments</i> , 2013, 98, 79-87.	2.4	14
54	Stand-replacing wildfires alter the community structure of wood-inhabiting fungi in southwestern ponderosa pine forests of the USA. <i>Fungal Ecology</i> , 2013, 6, 192-204.	1.6	17

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55	Conservative leaf economic traits correlate with fast growth of genotypes of a foundation riparian species near the thermal maximum extent of its geographic range. <i>Functional Ecology</i> , 2013, 27, 428-438.	3.6	81
56	Does dissolved organic carbon regulate biological methane oxidation in semiarid soils?. <i>Global Change Biology</i> , 2013, 19, 2149-2157.	9.5	57
57	A positive relationship between the abundance of ammonia oxidizing archaea and natural abundance $\delta^{15}N$ of ecosystems. <i>Soil Biology and Biochemistry</i> , 2013, 65, 313-315.	8.8	4
58	Leaf Litter Mixtures Alter Microbial Community Development: Mechanisms for Non-Additive Effects in Litter Decomposition. <i>PLoS ONE</i> , 2013, 8, e62671.	2.5	127
59	Pulse Emissions of Carbon Dioxide during Snowmelt at a High-Elevation Site in Northern Arizona, U.S.A.. <i>Arctic, Antarctic, and Alpine Research</i> , 2012, 44, 247-254.	1.1	9
60	Ecosystem Carbon Remains Low for Three Decades Following Fire and Constrains Soil CO ₂ Responses to Precipitation in Southwestern Ponderosa Pine Forests. <i>Ecosystems</i> , 2012, 15, 725-740.	3.4	12
61	Genetic components to belowground carbon fluxes in a riparian forest ecosystem: a common garden approach. <i>New Phytologist</i> , 2012, 195, 631-639.	7.3	13
62	Pinyon pine (<i>Pinus edulis</i>) mortality and response to water addition across a three million year substrate age gradient in northern Arizona, USA. <i>Plant and Soil</i> , 2012, 357, 89-102.	3.7	26
63	Recovery of ponderosa pine ecosystem carbon and water fluxes from thinning and stand-replacing fire. <i>Global Change Biology</i> , 2012, 18, 3171-3185.	9.5	146
64	New evidence that high potential nitrification rates occur in soils during dry seasons: Are microbial communities metabolically active during dry seasons?. <i>Soil Biology and Biochemistry</i> , 2012, 53, 28-31.	8.8	37
65	Soil-mediated local adaptation alters seedling survival and performance. <i>Plant and Soil</i> , 2012, 352, 243-251.	3.7	61
66	Genetic variation in productivity of foundation riparian species at the edge of their distribution: implications for restoration and assisted migration in a warming climate. <i>Global Change Biology</i> , 2011, 17, 3724-3735.	9.5	75
67	Probing carbon flux patterns through soil microbial metabolic networks using parallel position-specific tracer labeling. <i>Soil Biology and Biochemistry</i> , 2011, 43, 126-132.	8.8	54
68	Modeling soil metabolic processes using isotopologue pairs of position-specific ¹³ C-labeled glucose and pyruvate. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1848-1857.	8.8	77
69	Wildfire reduces carbon dioxide efflux and increases methane uptake in ponderosa pine forest soils of the southwestern USA. <i>Biogeochemistry</i> , 2011, 104, 251-265.	3.5	40
70	Forest gene diversity is correlated with the composition and function of soil microbial communities. <i>Population Ecology</i> , 2011, 53, 35-46.	1.2	55
71	Phosphorus and soil development: Does the Walker and Syers model apply to semiarid ecosystems?. <i>Ecology</i> , 2010, 91, 474-484.	3.2	111
72	Introduced ungulate herbivore alters soil processes after fire. <i>Biological Invasions</i> , 2010, 12, 313-324.	2.4	29

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73	Evidence for indirect effects of plant diversity and composition on net nitrification. <i>Plant and Soil</i> , 2010, 330, 435-445.	3.7	21
74	Soil nitrogen availability varies with plant genetics across diverse river drainages. <i>Plant and Soil</i> , 2010, 331, 391-400.	3.7	20
75	Soils as agents of selection: feedbacks between plants and soils alter seedling survival and performance. <i>Evolutionary Ecology</i> , 2010, 24, 1045-1059.	1.2	72
76	Relationships between C and N availability, substrate age, and natural abundance ^{13}C and ^{15}N signatures of soil microbial biomass in a semiarid climate. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1605-1611.	8.8	38
77	Long-term patterns of mass loss during the decomposition of leaf and fine root litter: an intersite comparison. <i>Global Change Biology</i> , 2009, 15, 1320-1338.	9.5	252
78	The role of disturbance severity and canopy closure on standing crop of understory plant species in ponderosa pine stands in northern Arizona, USA. <i>Forest Ecology and Management</i> , 2009, 257, 1656-1662.	3.2	51
79	From Genes to Ecosystems: The Genetic Basis of Condensed Tannins and Their Role in Nutrient Regulation in a <i>Populus</i> Model System. <i>Ecosystems</i> , 2008, 11, 1005-1020.	3.4	163
80	Nitrogen source influences natural abundance ^{15}N of <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2008, 282, 246-250.	1.8	15
81	^{15}N enrichment as an integrator of the effects of C and N on microbial metabolism and ecosystem function. <i>Ecology Letters</i> , 2008, 11, 389-397.	6.4	142
82	Simple three-pool model accurately describes patterns of long-term litter decomposition in diverse climates. <i>Global Change Biology</i> , 2008, 14, 2636-2660.	9.5	401
83	Restoration of a ponderosa pine forest increases soil CO_2 efflux more than either water or nitrogen additions. <i>Journal of Applied Ecology</i> , 2008, 45, 913-920.	4.0	24
84	Substrate age and tree islands influence carbon and nitrogen dynamics across a retrogressive semiarid chronosequence. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	65
85	Fire, thinning, and the carbon economy: Effects of fire and fire surrogate treatments on estimated carbon storage and sequestration rate. <i>Forest Ecology and Management</i> , 2008, 255, 3081-3097.	3.2	63
86	PLANT-SOIL-MICROORGANISM INTERACTIONS: HERITABLE RELATIONSHIP BETWEEN PLANT GENOTYPE AND ASSOCIATED SOIL MICROORGANISMS. <i>Ecology</i> , 2008, 89, 773-781.	3.2	310
87	Impacts of fire and fire surrogate treatments on ecosystem nitrogen storage patterns: similarities and differences between forests of eastern and western North America. <i>Canadian Journal of Forest Research</i> , 2008, 38, 3056-3070.	1.7	13
88	Global-Scale Similarities in Nitrogen Release Patterns During Long-Term Decomposition. <i>Science</i> , 2007, 315, 361-364.	12.6	1,027
89	Genetic-based plant resistance and susceptibility traits to herbivory influence needle and root litter nutrient dynamics. <i>Journal of Ecology</i> , 2007, 95, 1181-1194.	4.0	48
90	Variation in below-ground carbon fluxes along a <i>Populus</i> hybridization gradient. <i>New Phytologist</i> , 2007, 176, 415-425.	7.3	41

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91	Natural abundance $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ of DNA extracted from soil. <i>Soil Biology and Biochemistry</i> , 2007, 39, 3101-3107.	8.8	24
92	Season mediates herbivore effects on litter and soil microbial abundance and activity in a semi-arid woodland. <i>Plant and Soil</i> , 2007, 295, 217-227.	3.7	27
93	Influences of thinning, prescribed burning, and wildfire on soil processes and properties in southwestern ponderosa pine forests: A retrospective study. <i>Forest Ecology and Management</i> , 2006, 234, 123-135.	3.2	106
94	Nutrient covariance between forest foliage and fine roots. <i>Forest Ecology and Management</i> , 2006, 236, 136-141.	3.2	34
95	Plants actively control nitrogen cycling: uncorking the microbial bottleneck. <i>New Phytologist</i> , 2006, 169, 27-34.	7.3	288
96	Potential impacts of climate change on nitrogen transformations and greenhouse gas fluxes in forests: a soil transfer study. <i>Global Change Biology</i> , 2006, 12, 1032-1046.	9.5	86
97	A framework for community and ecosystem genetics: from genes to ecosystems. <i>Nature Reviews Genetics</i> , 2006, 7, 510-523.	16.3	911
98	Soil-mixing effects on inorganic nitrogen production and consumption in forest and shrubland soils. <i>Plant and Soil</i> , 2006, 289, 5-15.	3.7	32
99	^{13}C and ^{15}N natural abundance of the soil microbial biomass. <i>Soil Biology and Biochemistry</i> , 2006, 38, 3257-3266.	8.8	226
100	INITIAL CARBON, NITROGEN, AND PHOSPHORUS FLUXES FOLLOWING PONDEROSA PINE RESTORATION TREATMENTS. , 2005, 15, 1581-1593.		71
101	Long-term interval burning alters fine root and mycorrhizal dynamics in a ponderosa pine forest. <i>Journal of Applied Ecology</i> , 2005, 42, 752-761.	4.0	51
102	The interaction of plant genotype and herbivory decelerate leaf litter decomposition and alter nutrient dynamics. <i>Oikos</i> , 2005, 110, 133-145.	2.7	149
103	Red alder (<i>Alnus rubra</i>) alters community-level soil microbial function in conifer forests of the Pacific Northwest, USA. <i>Soil Biology and Biochemistry</i> , 2005, 37, 1860-1868.	8.8	48
104	Relative Importance of Environmental Stress and Herbivory in Reducing Litter Fall in a Semiarid Woodland. <i>Ecosystems</i> , 2005, 8, 62-72.	3.4	9
105	Restoration and Canopy Type Influence Soil Microflora in a Ponderosa Pine Forest. <i>Soil Science Society of America Journal</i> , 2005, 69, 1627-1638.	2.2	40
106	NET PRIMARY PRODUCTIVITY OF A WESTERN MONTANE RIPARIAN FOREST: POTENTIAL INFLUENCE OF STREAM FLOW DIVERSION. <i>Madroño</i> , 2005, 52, 79-90.	0.4	6
107	NONADDITIVE EFFECTS OF MIXING COTTONWOOD GENOTYPES ON LITTER DECOMPOSITION AND NUTRIENT DYNAMICS. <i>Ecology</i> , 2005, 86, 2834-2840.	3.2	120
108	Post-fire vegetative dynamics as drivers of microbial community structure and function in forest soils. <i>Forest Ecology and Management</i> , 2005, 220, 166-184.	3.2	439

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109	Genetically based trait in a dominant tree affects ecosystem processes. <i>Ecology Letters</i> , 2004, 7, 127-134.	6.4	327
110	Biogeochemical Hot Spots and Hot Moments at the Interface of Terrestrial and Aquatic Ecosystems. <i>Ecosystems</i> , 2003, 6, 301-312.	3.4	1,874
111	Merging aquatic and terrestrial perspectives of nutrient biogeochemistry. <i>Oecologia</i> , 2003, 137, 485-501.	2.0	134
112	Community-level physiological profiles of bacteria and fungi: plate type and incubation temperature influences on contrasting soils. <i>FEMS Microbiology Ecology</i> , 2003, 44, 319-328.	2.7	196
113	UV-B radiation and soil microbial communities. <i>Nature</i> , 2003, 423, 137-138.	27.8	20
114	INSECT HERBIVORY INCREASES LITTER QUALITY AND DECOMPOSITION: AN EXTENSION OF THE ACCELERATION HYPOTHESIS. <i>Ecology</i> , 2003, 84, 2867-2876.	3.2	176
115	REGULATION OF NITRIC OXIDE EMISSIONS FROM FOREST AND RANGELAND SOILS OF WESTERN NORTH AMERICA. <i>Ecology</i> , 2002, 83, 2278-2292.	3.2	37
116	Influences of chloroform exposure time and soil water content on C and N release in forest soils. <i>Soil Biology and Biochemistry</i> , 2002, 34, 1549-1562.	8.8	69
117	Estimating forest-grassland dynamics using soil phytolith assemblages and $\delta^{13}C$ of soil organic matter. <i>Ecoscience</i> , 2001, 8, 478-488.	1.4	45
118	Modeling Ecological Restoration Effects on Ponderosa Pine Forest Structure. <i>Restoration Ecology</i> , 2001, 9, 421-431.	2.9	44
119	PHYSIOLOGICAL RESPONSE TO GROUNDWATER DEPTH VARIES AMONG SPECIES AND WITH RIVER FLOW REGULATION. , 2001, 11, 1046-1059.		163
120	NITROGEN TRANSFORMATIONS IN FALLEN TREE BOLES AND MINERAL SOIL OF AN OLD-GROWTH FOREST. <i>Ecology</i> , 1999, 80, 1385-1394.	3.2	48
121	Transferring soils from high- to low-elevation forests increases nitrogen cycling rates: climate change implications. <i>Global Change Biology</i> , 1999, 5, 23-32.	9.5	63
122	Water and Nutrient Outflow Following the Ecological Restoration of a Ponderosa Pine-Bunchgrass Ecosystem. <i>Restoration Ecology</i> , 1999, 7, 252-261.	2.9	28
123	NITROGEN TRANSFORMATIONS IN FALLEN TREE BOLES AND MINERAL SOIL OF AN OLD-GROWTH FOREST. , 1999, 80, 1385.		1
124	Hydraulic lift: a potentially important ecosystem process. <i>Trends in Ecology and Evolution</i> , 1998, 13, 232-235.	8.7	214
125	Soil carbon and nitrogen pools and processes in an old-growth conifer forest 13 years after trenching. <i>Canadian Journal of Forest Research</i> , 1998, 28, 1261-1265.	1.7	28
126	Restoration and Canopy-Type Effects on Soil Respiration in a Ponderosa Pine-Bunchgrass Ecosystem. <i>Soil Science Society of America Journal</i> , 1998, 62, 1062-1072.	2.2	70

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127	Beetle Mania: An Attraction to Fire. <i>BioScience</i> , 1998, 48, 3-5.	4.9	17
128	ECOLOGICAL RESTORATION ALTERS NITROGEN TRANSFORMATIONS IN A PONDEROSA PINE“BUNCHGRASS ECOSYSTEM. , 1998, 8, 1052-1060.		44
129	Nitrogen and phosphorus status in a ponderosa pine forest after 20 years of interval burning. <i>Ecoscience</i> , 1997, 4, 526-533.	1.4	47
130	Nitrogen limitation of the microbial biomass in an old-growth forest soil. <i>Ecoscience</i> , 1997, 4, 91-98.	1.4	71
131	Influence of red alder on soil nitrogen transformations in two conifer forests of contrasting productivity. <i>Soil Biology and Biochemistry</i> , 1997, 29, 1111-1123.	8.8	131
132	Competition for nitrogen between plants and soil microorganisms. <i>Trends in Ecology and Evolution</i> , 1997, 12, 139-143.	8.7	727
133	High rates of nitrification and nitrate turnover in undisturbed coniferous forests. <i>Nature</i> , 1997, 385, 61-64.	27.8	596
134	Diffusion Technique for Preparing Salt Solutions, Kjeldahl Digests, and Persulfate Digests for Nitrogen“15 Analysis. <i>Soil Science Society of America Journal</i> , 1996, 60, 1846-1855.	2.2	385
135	Dynamics of Gross Nitrogen Transformations in an Old-Growth Forest: The Carbon Connection. <i>Ecology</i> , 1994, 75, 880-891.	3.2	622
136	Flow and fate of soil nitrogen in an annual grassland and a young mixed-conifer forest. <i>Soil Biology and Biochemistry</i> , 1993, 25, 431-442.	8.8	111
137	Internal Cycling of Nitrate in Soils of a Mature Coniferous Forest. <i>Ecology</i> , 1992, 73, 1148-1156.	3.2	377
138	Decomposition and nutrient dynamics of ponderosa pine needles in a Mediterranean-type climate. <i>Canadian Journal of Forest Research</i> , 1992, 22, 306-314.	1.7	107
139	Forest floor-mineral soil interactions in the internal nitrogen cycle of an old-growth forest. <i>Biogeochemistry</i> , 1991, 12, 103.	3.5	83
140	Direct extraction of microbial biomass nitrogen from forest and grassland soils of california. <i>Soil Biology and Biochemistry</i> , 1989, 21, 773-778.	8.8	90
141	Pinhole hologram and its applications. <i>Optics Letters</i> , 1989, 14, 107.	3.3	6
142	Evaluation of three <i>in situ</i> soil nitrogen availability assays. <i>Canadian Journal of Forest Research</i> , 1989, 19, 185-191.	1.7	78
143	Deep-red holography using a junction laser and silver-halide holographic emulsion. <i>Optics Letters</i> , 1988, 13, 955.	3.3	9