

James Ehleringer

List of Publications by Year in descending order

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259
papers

35,422
citations

6613

79
h-index

3650

180
g-index

268
all docs

268
docs citations

268
times ranked

22055
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Isotope Discrimination and Photosynthesis. Annual Review of Plant Biology, 1989, 40, 503-537.	14.3	5,656
2	A global analysis of root distributions for terrestrial biomes. Oecologia, 1996, 108, 389-411.	2.0	2,353
3	Global vegetation change through the Miocene/Pliocene boundary. Nature, 1997, 389, 153-158.	27.8	1,841
4	C 4 photosynthesis, atmospheric CO 2 , and climate. Oecologia, 1997, 112, 285-299.	2.0	1,232
5	Water uptake by plants: perspectives from stable isotope composition. Plant, Cell and Environment, 1992, 15, 1073-1082.	5.7	844
6	Quantum Yields for CO ₂ Uptake in C ₃ and C ₄ Plants. Plant Physiology, 1977, 59, 86-90.	4.8	774
7	Streamside trees that do not use stream water. Nature, 1991, 350, 335-337.	27.8	705
8	A mechanistic model for interpretation of hydrogen and oxygen isotope ratios in tree-ring cellulose. Geochimica Et Cosmochimica Acta, 2000, 64, 21-35.	3.9	666
9	Evolutionary and Ecological Aspects of Photosynthetic Pathway Variation. Annual Review of Ecology, Evolution, and Systematics, 1993, 24, 411-439.	6.7	662
10	CARBON ISOTOPE RATIOS IN BELOWGROUND CARBON CYCLE PROCESSES. , 2000, 10, 412-422.		654
11	The application and interpretation of Keeling plots in terrestrial carbon cycle research. Global Biogeochemical Cycles, 2003, 17, .	4.9	536
12	Water extraction times for plant and soil materials used in stable isotope analysis. Rapid Communications in Mass Spectrometry, 2006, 20, 1317-1321.	1.5	451
13	Correlations between carbon isotope ratio and microhabitat in desert plants. Oecologia, 1988, 76, 562-566.	2.0	425
14	Stable isotopes as one of nature's ecological recorders. Trends in Ecology and Evolution, 2006, 21, 408-414.	8.7	409
15	Differential utilization of summer rains by desert plants. Oecologia, 1991, 88, 430-434.	2.0	408
16	Vegetation effects on the isotope composition of oxygen in atmospheric CO2. Nature, 1993, 363, 439-443.	27.8	374
17	Comparison of Modeled and Observed Environmental Influences on the Stable Oxygen and Hydrogen Isotope Composition of Leaf Water in <i>Phaseolus vulgaris</i> L.. Plant Physiology, 1991, 96, 588-596.	4.8	369
18	Water use trade-offs and optimal adaptations to pulse-driven arid ecosystems. Journal of Ecology, 2001, 89, 464-480.	4.0	369

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19	¹³ C content of ecosystem respiration is linked to precipitation and vapor pressure deficit. <i>Oecologia</i> , 2002, 131, 113-124.	2.0	338
20	Leaf carbon isotope and mineral composition in subtropical plants along an irradiance cline. <i>Oecologia</i> , 1986, 70, 520-526.	2.0	326
21	Hydrogen and oxygen isotope ratios in human hair are related to geography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2788-2793.	7.1	322
22	Leaf hairs: Effects on physiological activity and adaptive value to a desert shrub. <i>Oecologia</i> , 1978, 37, 183-200.	2.0	321
23	Implications of quantum yield differences on the distributions of C3 and C4 grasses. <i>Oecologia</i> , 1978, 31, 255-267.	2.0	313
24	A break in the nitrogen cycle in aridlands? Evidence from $\delta^{15}\text{N}$ of soils. <i>Oecologia</i> , 1993, 94, 314-317.	2.0	300
25	Atmospheric CO ₂ and the ratio of intercellular to ambient CO ₂ concentrations in plants. <i>Tree Physiology</i> , 1995, 15, 105-111.	3.1	283
26	Rooting depth, water availability, and vegetation cover along an aridity gradient in Patagonia. <i>Oecologia</i> , 1996, 108, 503-511.	2.0	282
27	Observations of Hydrogen and Oxygen Isotopes in Leaf Water Confirm the Craig-Gordon Model under Wide-Ranging Environmental Conditions ¹ . <i>Plant Physiology</i> , 1999, 120, 1165-1174.	4.8	225
28	Commentary: Carbon Metabolism of the Terrestrial Biosphere: A Multitechnique Approach for Improved Understanding. <i>Ecosystems</i> , 2000, 3, 115-130.	3.4	225
29	Leaf carbon isotope discrimination and nitrogen content for riparian trees along elevational transects. <i>Oecologia</i> , 1997, 109, 362-367.	2.0	221
30	INTRA- AND INTERSPECIFIC VARIATION FOR SUMMER PRECIPITATION USE IN PINYON–JUNIPER WOODLANDS. <i>Ecological Monographs</i> , 2000, 70, 517-537.	5.4	219
31	Carbon isotope composition of boreal plants: functional grouping of life forms. <i>Oecologia</i> , 1997, 110, 301-311.	2.0	212
32	Stable isotope ratios of tap water in the contiguous United States. <i>Water Resources Research</i> , 2007, 43, .	4.2	212
33	Differential uptake of summer precipitation among co-occurring trees and shrubs in a pinyon-juniper woodland. <i>Plant, Cell and Environment</i> , 1992, 15, 831-836.	5.7	211
34	Seasonal cycle of carbon dioxide and its isotopic composition in an urban atmosphere: Anthropogenic and biogenic effects. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	208
35	Interseasonal comparison of CO ₂ concentrations, isotopic composition, and carbon dynamics in an Amazonian rainforest (French Guiana). <i>Oecologia</i> , 1997, 110, 120-131.	2.0	207
36	Seasonal carbon isotope discrimination in a grassland community. <i>Oecologia</i> , 1991, 85, 314-320.	2.0	206

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37	Assessment of ground-based atmospheric observations for verification of greenhouse gas emissions from an urban region. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8423-8428.	7.1	202
38	Nitrogen isotope composition of tomato (<i>Lycopersicon esculentum</i> Mill. cv. T-5) grown under ammonium or nitrate nutrition. Plant, Cell and Environment, 1996, 19, 1317-1323.	5.7	200
39	Establishing a grassland signature in veins: ^{18}O in the leaf water of C3 and C4 grasses. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 7894-7898.	7.1	191
40	Leaf absorptances of Mohave and Sonoran desert plants. Oecologia, 1981, 49, 366-370.	2.0	180
41	Absorption of ant-provided carbon dioxide and nitrogen by a tropical epiphyte. Nature, 1995, 375, 137-139.	27.8	163
42	Tracing the geographical origin of cocaine. Nature, 2000, 408, 311-312.	27.8	162
43	Ecophysiology of <i>Amaranthus palmeri</i> , a sonoran desert summer annual. Oecologia, 1983, 57, 107-112.	2.0	161
44	Ecophysiological differences among juvenile and reproductive plants of several woody species. Oecologia, 1991, 86, 594-597.	2.0	159
45	WATER AND NITROGEN UPTAKE PATTERNS FOLLOWING MOISTURE PULSES IN A COLD DESERT COMMUNITY. Ecology, 2000, 81, 1415-1424.	3.2	157
46	Elevated CO_2 and temperature impacts on different components of soil CO_2 efflux in Douglasâ€™fir terracosms. Global Change Biology, 1999, 5, 157-168.	9.5	156
47	Assessing Ecosystem-Level Water Relations Through Stable Isotope Ratio Analyses. , 2000, , 181-198.		155
48	Deuterium enriched irrigation indicates different forms of rain use in shrub/grass species of the Colorado Plateau. Oecologia, 2002, 130, 345-355.	2.0	151
49	Treatment methods for the determination of ^2H and ^{18}O of hair keratin by continuous-flow isotope-ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 2371-2378.	1.5	145
50	Carbon isotope composition of C4 grasses is influenced by light and water supply. Plant, Cell and Environment, 1996, 19, 392-402.	5.7	142
51	Water and nitrogen dynamics in an arid woodland. Oecologia, 1994, 99, 233-242.	2.0	138
52	Contributions of evaporation, isotopic non-steady state transpiration and atmospheric mixing on the $\delta^{18}\text{O}$ of water vapour in Pacific Northwest coniferous forests. Plant, Cell and Environment, 2006, 29, 77-94.	5.7	136
53	The stable carbon and nitrogen isotopic composition of vegetation in tropical forests of the Amazon Basin, Brazil. Biogeochemistry, 2006, 79, 251-274.	3.5	134
54	Are xylem-tapping mistletoes partially heterotrophic?. Oecologia, 1990, 84, 244-248.	2.0	132

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55	Variation in leaf carbon isotope discrimination in <i>Encelia farinosa</i> : implications for growth, competition, and drought survival. <i>Oecologia</i> , 1993, 95, 340-346.	2.0	130
56	Hydrogen and oxygen isotope ratios of tree-ring cellulose for riparian trees grown long-term under hydroponically controlled environments. <i>Oecologia</i> , 1999, 121, 467-477.	2.0	130
57	Correlating genetic variation in carbon isotopic composition with complex climatic gradients.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7747-7751.	7.1	123
58	Carbon Isotope Discrimination: Potential in Screening Cool-Season Grasses for Water-Limited Environments. <i>Crop Science</i> , 1990, 30, 338.	1.8	123
59	Dietary and physiological controls on the hydrogen and oxygen isotope ratios of hair from mid-20th century indigenous populations. <i>American Journal of Physical Anthropology</i> , 2009, 139, 494-504.	2.1	121
60	Long-term urban carbon dioxide observations reveal spatial and temporal dynamics related to urban characteristics and growth. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2912-2917.	7.1	120
61	Leaf carbon isotope ratios of plants from a subtropical monsoon forest. <i>Oecologia</i> , 1987, 72, 109-114.	2.0	116
62	Hydrogen and oxygen isotope ratios of tree ring cellulose for field-grown riparian trees. <i>Oecologia</i> , 2000, 123, 481-489.	2.0	116
63	Geographical patterns of human diet derived from stable-isotope analysis of fingernails. <i>American Journal of Physical Anthropology</i> , 2006, 131, 137-146.	2.1	115
64	Differential ^{18}O enrichment of leaf cellulose in C3 versus C4 grasses. <i>Functional Plant Biology</i> , 2002, 29, 435.	2.1	114
65	Carbon isotope ratios are correlated with irradiance levels in the Panamanian orchid <i>Catasetum viridiflavum</i> . <i>Oecologia</i> , 1990, 83, 247-249.	2.0	105
66	Inferring biogenic and anthropogenic carbon dioxide sources across an urban to rural gradient. <i>Oecologia</i> , 2007, 152, 307-322.	2.0	105
67	Intraspecific variation of leaf pubescence and drought response in <i>Encelia farinosa</i> associated with contrasting desert environments. <i>New Phytologist</i> , 1997, 135, 635-644.	7.3	102
68	Wood anatomy constrains stomatal responses to atmospheric vapor pressure deficit in irrigated, urban trees. <i>Oecologia</i> , 2008, 156, 13-20.	2.0	101
69	Geo-location of heroin and cocaine by stable isotope ratios. <i>Forensic Science International</i> , 1999, 106, 27-35.	2.2	98
70	Stable hydrogen and oxygen isotope ratios of bottled waters of the world. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3442-3450.	1.5	96
71	Intraspecific competitive effects on water relations, growth and reproduction in <i>Encelia farinosa</i> . <i>Oecologia</i> , 1984, 63, 153-158.	2.0	95
72	Correlations between Carbon Isotope Discrimination and Leaf Conductance to Water Vapor in Common Beans. <i>Plant Physiology</i> , 1990, 93, 1422-1425.	4.8	94

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73	Ecophysiology of two solar tracking desert winter annuals. <i>Oecologia</i> , 1983, 57, 344-351.	2.0	91
74	Turnover of stable carbon isotopes in the muscle, liver, and breath CO ₂ of alpacas (<i>Lama pacos</i>). <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1395-1399.	1.5	90
75	Potential for selection on plants for water-use efficiency as estimated by carbon isotope discrimination. <i>American Journal of Botany</i> , 1994, 81, 927-935.	1.7	89
76	Carbon isotope discrimination, water-use efficiency, growth, and mortality in a natural shrub population. <i>Oecologia</i> , 1994, 100, 347-354.	2.0	87
77	Limited uptake of summer precipitation by bigtooth maple (<i>Acer grandidentatum</i> Nutt) and Gambel's oak (<i>Quereus gambelii</i> Nutt). <i>Trees - Structure and Function</i> , 1995, 9, 214.	1.9	87
78	Stable isotope analysis of modern human hair collected from Asia (China, India, Mongolia, and) <i>Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 54.</i>	2.1	87
79	Comparative water use and nitrogen relationships in a mistletoe and its host. <i>Oecologia</i> , 1986, 68, 279-284.	2.0	86
80	Solar tracking response to drought in a desert annual. <i>Oecologia</i> , 1980, 44, 159-163.	2.0	85
81	Stable oxygen and hydrogen isotope composition of leaf water in C ₃ and C ₄ plant species under field conditions. <i>Oecologia</i> , 1991, 88, 394-400.	2.0	83
82	High resolution atmospheric monitoring of urban carbon dioxide sources. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	83
83	INTERSPECIFIC COMPETITION AND RESOURCE PULSE UTILIZATION IN A COLD DESERT COMMUNITY. <i>Ecology</i> , 2002, 83, 2602-2616.	3.2	81
84	Temporal variation in $\delta^{13}\text{C}$ of ecosystem respiration in the Pacific Northwest: links to moisture stress. <i>Oecologia</i> , 2003, 136, 129-136.	2.0	81
85	Tamarisk biocontrol in the western United States: ecological and societal implications. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 467-474.	4.0	81
86	Spatial distributions of carbon, nitrogen and sulfur isotope ratios in human hair across the central United States. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 861-868.	1.5	81
87	Hydrogen and Oxygen Stable Isotope Ratios of Milk in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2358-2363.	5.2	79
88	Photosynthesis in <i>Encelia farinosa</i> Gray in Response to Decreasing Leaf Water Potential. <i>Plant Physiology</i> , 1984, 75, 688-693.	4.8	76
89	Carbon dioxide concentrations within forest canopies-variation with time, stand structure, and vegetation type. <i>Global Change Biology</i> , 1996, 2, 421-432.	9.5	76
90	Short-term diet changes revealed using stable carbon isotopes in horse tail-hair. <i>Functional Ecology</i> , 2004, 18, 616-624.	3.6	74

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91	Dietary Heterogeneity among Western Industrialized Countries Reflected in the Stable Isotope Ratios of Human Hair. <i>PLoS ONE</i> , 2012, 7, e34234.	2.5	74
92	THE INFLUENCE OF WATER STRESS AND TEMPERATURE ON LEAF PUBESCENCE DEVELOPMENT IN ENCELIA FARINOSA. <i>American Journal of Botany</i> , 1982, 69, 670-675.	1.7	71
93	Atmospheric CO ₂ as a Global Change Driver Influencing Plant-Animal Interactions. <i>Integrative and Comparative Biology</i> , 2002, 42, 424-430.	2.0	69
94	Carbon isotope discrimination in forest and pasture ecosystems of the Amazon Basin, Brazil. <i>Global Biogeochemical Cycles</i> , 2002, 16, 56-1-56-10.	4.9	69
95	Grass blades as tree rings: environmentally induced changes in the oxygen isotope ratio of cellulose along the length of grass blades. <i>New Phytologist</i> , 2002, 155, 417-424.	7.3	69
96	Understanding the Influences of Spatial Patterns on N Availability Within the Brazilian Amazon Forest. <i>Ecosystems</i> , 2008, 11, 1234-1246.	3.4	69
97	Predicting daytime carbon isotope ratios of atmospheric CO ₂ within forest canopies. <i>Functional Ecology</i> , 2002, 16, 49-57.	3.6	68
98	Seasonal patterns of canopy development and carbon gain in nineteen warm desert shrub species. <i>Oecologia</i> , 1988, 75, 327-335.	2.0	67
99	Carbon and oxygen isotope ratios of ecosystem respiration along an Oregon conifer transect: preliminary observations based on small-flask sampling. <i>Tree Physiology</i> , 1998, 18, 513-519.	3.1	67
100	Canopy-scale delta ¹³ C of photosynthetic and respiratory CO ₂ fluxes: observations in forest biomes across the United States. <i>Global Change Biology</i> , 2005, 11, 633-643.	9.5	67
101	The carbon gain benefits of solar tracking in a desert annual. <i>Plant, Cell and Environment</i> , 1978, 1, 307-311.	5.7	66
102	Title is missing!. <i>Plant and Soil</i> , 2001, 229, 259-270.	3.7	66
103	Heavy and Light Beer: A Carbon Isotope Approach To Detect C ₄ Carbon in Beers of Different Origins, Styles, and Prices. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 6413-6418.	5.2	66
104	Carbon isotope discrimination in three semi-arid woodland species along a monsoon gradient. <i>Oecologia</i> , 1996, 106, 455-460.	2.0	65
105	Ecophysiology of two solar tracking desert winter annuals. <i>Oecologia</i> , 1982, 54, 41-49.	2.0	64
106	Response of the carbon isotopic content of ecosystem, leaf, and soil respiration to meteorological and physiological driving factors in a <i>Pinus ponderosa</i> ecosystem. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	4.9	64
107	Estimates of net CO ₂ flux by application of equilibrium boundary layer concepts to CO ₂ and water vapor measurements from a tall tower. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	64
108	Associations between carbon isotope ratios of ecosystem respiration, water availability and canopy conductance. <i>Global Change Biology</i> , 2004, 10, 1767-1784.	9.5	62

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109	Temporal variation of oxygen isotope ratios ($\delta^{18}\text{O}$) in drinking water: Implications for specifying location of origin with human scalp hair. <i>Forensic Science International</i> , 2011, 208, 156-166.	2.2	62
110	Canopy-scale biophysical controls of transpiration and evaporation in the Amazon Basin. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4237-4264.	4.9	62
111	Annuals and Perennials of warm deserts. , 1985, , 162-180.		62
112	Mistletoes: a hypothesis concerning morphological and chemical avoidance of herbivory. <i>Oecologia</i> , 1986, 70, 234-237.	2.0	60
113	CHANGES IN LEAF CHARACTERISTICS OF SPECIES ALONG ELEVATIONAL GRADIENTS IN THE WASATCH FRONT, UTAH. <i>American Journal of Botany</i> , 1988, 75, 680-689.	1.7	60
114	Carbon Isotope Discrimination and Transpiration Efficiency in Common Bean. <i>Crop Science</i> , 1991, 31, 1611-1615.	1.8	60
115	Photosynthetic responses to slowly decreasing leaf water potentials in <i>Encelia frutescens</i> . <i>Oecologia</i> , 1984, 61, 241-248.	2.0	59
116	Stable Isotopes and Carbon Cycle Processes in Forests and Grasslands. <i>Plant Biology</i> , 2002, 4, 181-189.	3.8	59
117	Integrated nitrogen, carbon, and water relations of a xylem-tapping mistletoe following nitrogen fertilization of the host. <i>Oecologia</i> , 1994, 100, 430-438.	2.0	58
118	ECOHYDROLOGY IN A COLORADO RIVER RIPARIAN FOREST: IMPLICATIONS FOR THE DECLINE OF <i>POPULUS FREMONTII</i> . , 2005, 15, 1009-1018.		58
119	The Stable Isotope Ratios of Marijuana. II. Strontium Isotopes Relate to Geographic Origin. <i>Journal of Forensic Sciences</i> , 2009, 54, 1261-1269.	1.6	58
120	Urban carbon dioxide cycles within the Salt Lake Valley: A multiple-box model validated by observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	57
121	Latitudinal gradients in tree ring stable carbon and oxygen isotopes reveal differential climate influences of the North American Monsoon System. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1978-1991.	3.0	57
122	Ecophysiology of two solar tracking desert winter annuals. <i>Oecologia</i> , 1983, 58, 10-18.	2.0	56
123	Tap water isotope ratios reflect urban water system structure and dynamics across a semiarid metropolitan area. <i>Water Resources Research</i> , 2016, 52, 5891-5910.	4.2	56
124	Comparisons of carbon isotope discrimination in populations of aridland plant species differing in lifespan. <i>Oecologia</i> , 1992, 91, 332-337.	2.0	55
125	Recent increases in drought frequency cause observed multi-year drought legacies in the tree rings of semi-arid forests. <i>Oecologia</i> , 2020, 192, 241-259.	2.0	55
126	Leaf-twig carbon isotope ratio differences in photosynthetic-twig desert shrubs. <i>Oecologia</i> , 1987, 71, 318-320.	2.0	54

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127	CONTRASTING PHOTOSYNTHETIC BEHAVIOR IN LEAVES AND TWIGS OF HYMENOCLEA SALSOLA, A GREEN-LEAFED WARM DESERT SHRUB. <i>American Journal of Botany</i> , 1988, 75, 1360-1370.	1.7	54
128	Evaluating the Community Land Model (CLM4.5) at a coniferous forest site in northwestern United States using flux and carbon-isotope measurements. <i>Biogeosciences</i> , 2017, 14, 4315-4340.	3.3	54
129	Variation of Hydrogen, Carbon, Nitrogen, and Oxygen Stable Isotope Ratios in an American Diet: Fast Food Meals. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 4084-4091.	5.2	53
130	Field Water Relations of Sonoran Desert Annuals. <i>Ecology</i> , 1984, 65, 1436-1444.	3.2	52
131	Isotopic air sampling in a tallgrass prairie to partition net ecosystem CO ₂ exchange. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	52
132	Disentangling seasonal and interannual legacies from inferred patterns of forest water and carbon cycling using tree-ring stable isotopes. <i>Global Change Biology</i> , 2018, 24, 5332-5347.	9.5	52
133	Photosynthesis by flowers in <i>Encelia farinosa</i> and <i>Encelia californica</i> (Asteraceae). <i>Oecologia</i> , 1983, 57, 311-315.	2.0	51
134	Title is missing!. <i>Plant and Soil</i> , 2001, 230, 197-209.	3.7	51
135	Combining meteorology, eddy fluxes, isotope measurements, and modeling to understand environmental controls of carbon isotope discrimination at the canopy scale. <i>Global Change Biology</i> , 2006, 12, 710-730.	9.5	51
136	Urban high-resolution fossil fuel CO ₂ emissions quantification and exploration of emission drivers for potential policy applications. <i>Urban Ecosystems</i> , 2016, 19, 1013-1039.	2.4	51
137	Forensic Stable Isotope Biogeochemistry. <i>Annual Review of Earth and Planetary Sciences</i> , 2016, 44, 175-206.	11.0	51
138	Mitigation of methane emissions in cities: How new measurements and partnerships can contribute to emissions reduction strategies. <i>Earth's Future</i> , 2016, 4, 408-425.	6.3	51
139	Age-related variations in $\delta^{13}C$ of ecosystem respiration across a coniferous forest chronosequence in the Pacific Northwest. <i>Tree Physiology</i> , 2002, 22, 159-167.	3.1	50
140	Carbon and oxygen isotope ratios of tree ring cellulose along a precipitation transect in Oregon, United States. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	50
141	Spatial patterns and source attribution of urban methane in the Los Angeles Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2490-2507.	3.3	50
142	Intraspecific variation of drought adaptation in brittlebush: leaf pubescence and timing of leaf loss vary with rainfall. <i>Oecologia</i> , 1998, 113, 162-169.	2.0	49
143	Characteristics of <i>Encelia</i> species differing in leaf reflectance and transpiration rate under common garden conditions. <i>Oecologia</i> , 1990, 82, 484-489.	2.0	48
144	Summer precipitation influences the stable oxygen and carbon isotopic composition of tree-ring cellulose in <i>Pinus ponderosa</i> . <i>Tree Physiology</i> , 2007, 27, 491-501.	3.1	48

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145	Canopy dynamics and carbon gain in response to soil water availability in <i>Encelia frutescens</i> gray, a drought-deciduous shrub. <i>Oecologia</i> , 1986, 68, 271-278.	2.0	47
146	Urban water – a new frontier in isotope hydrology. <i>Isotopes in Environmental and Health Studies</i> , 2016, 52, 477-486.	1.0	47
147	Water relations of stem succulent trees in north-central Baja California. <i>Oecologia</i> , 1990, 82, 299-303.	2.0	45
148	Isoscapes to Address Large-Scale Earth Science Challenges. <i>Eos</i> , 2009, 90, 109-110.	0.1	45
149	Isolation of strontium pools and isotope ratios in modern human hair. <i>Analytica Chimica Acta</i> , 2013, 798, 64-73.	5.4	45
150	Parallel evolution of leaf pubescence in <i>Encelia</i> in coastal deserts of North and South America. <i>Oecologia</i> , 1981, 49, 38-41.	2.0	44
151	On the role of orientation in reducing photoinhibitory damage in photosynthetic-twig desert shrubs. <i>Plant, Cell and Environment</i> , 1992, 15, 301-306.	5.7	44
152	HERITABILITY OF CARBON ISOTOPE DISCRIMINATION IN <i>GUTIERREZIA MICROCEPHALA</i> (ASTERACEAE). <i>American Journal of Botany</i> , 1992, 79, 216-221.	1.7	43
153	Patterns of local and nonlocal water resource use across the western U.S. determined via stable isotope intercomparisons. <i>Water Resources Research</i> , 2014, 50, 8034-8049.	4.2	43
154	Spatial relationships and competition in a Chilean desert cactus. <i>Oecologia</i> , 1979, 44, 40-43.	2.0	42
155	Photosynthetic gas exchange and the stable isotope composition of leaf water: comparison of a xylem-tapping mistletoe and its host. <i>Plant, Cell and Environment</i> , 1993, 16, 623-631.	5.7	42
156	Stable Isotope Ratios of Marijuana. I. Carbon and Nitrogen Stable Isotopes Describe Growth Conditions*. <i>Journal of Forensic Sciences</i> , 2009, 54, 84-89.	1.6	42
157	Links between Purchase Location and Stable Isotope Ratios of Bottled Water, Soda, and Beer in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7311-7316.	5.2	41
158	Strontium isotope ratios of human hair record intra-city variations in tap water source. <i>Scientific Reports</i> , 2018, 8, 3334.	3.3	41
159	Potential for Selection on Plants for Water-Use Efficiency as Estimated by Carbon Isotope Discrimination. <i>American Journal of Botany</i> , 1994, 81, 927.	1.7	40
160	Strontium isotopes in tap water from the coterminous USA. <i>Ecosphere</i> , 2012, 3, 1-17.	2.2	40
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