

Jeff Chanton

List of Publications by Year in descending order

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Version: 2024-02-01

210
papers

15,846
citations

10389

72
h-index

20961

115
g-index

217
all docs

217
docs citations

217
times ranked

11495
citing authors

#	ARTICLE	IF	CITATIONS
1	Greenhouse carbon balance of wetlands: methane emission versus carbon sequestration. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 53, 521.	1.6	55
2	A national landfill methane budget for Sweden based on field measurements, and an evaluation of IPCC models. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 424.	1.6	54
3	Carbon Accumulation, Flux, and Fate in Stordalen Mire, a Permafrost Peatland in Transition. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	5
4	Latitude, Elevation, and Mean Annual Temperature Predict Peat Organic Matter Chemistry at a Global Scale. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	11
5	Quantifying the inhibitory impact of soluble phenolics on anaerobic carbon mineralization in a thawing permafrost peatland. <i>PLoS ONE</i> , 2022, 17, e0252743.	2.5	1
6	Plant organic matter inputs exert a strong control on soil organic matter decomposition in a thawing permafrost peatland. <i>Science of the Total Environment</i> , 2022, 820, 152757.	8.0	15
7	Permafrost thaw driven changes in hydrology and vegetation cover increase trace gas emissions and climate forcing in Stordalen Mire from 1970 to 2014. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210022.	3.4	8
8	Methane production controls in a young thermokarst lake formed by abrupt permafrost thaw. <i>Global Change Biology</i> , 2022, 28, 3206-3221.	9.5	7
9	Compositional stability of peat in ecosystem-scale warming mesocosms. <i>PLoS ONE</i> , 2022, 17, e0263994.	2.5	5
10	Evaluating alternative ebullition models for predicting peatland methane emission and its pathways via data-driven model fusion. <i>Biogeosciences</i> , 2022, 19, 2245-2262.	3.3	5
11	Improved global wetland carbon isotopic signatures support post-2006 microbial methane emission increase. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	11
12	Characterization of Bacterial and Fungal Communities Reveals Novel Consortia in Tropical Oligotrophic Peatlands. <i>Microbial Ecology</i> , 2021, 82, 188-201.	2.8	8
13	Expert assessment of future vulnerability of the global peatland carbon sink. <i>Nature Climate Change</i> , 2021, 11, 70-77.	18.8	167
14	Functional capacities of microbial communities to carry out large scale geochemical processes are maintained during ex situ anaerobic incubation. <i>PLoS ONE</i> , 2021, 16, e0245857.	2.5	11
15	Decadal-scale hotspot methane ebullition within lakes following abrupt permafrost thaw. <i>Environmental Research Letters</i> , 2021, 16, 035010.	5.2	21
16	Mapping spatial and temporal variation of seafloor organic matter $\delta^{14}C$ and $\delta^{13}C$ in the Northern Gulf of Mexico following the Deepwater Horizon Oil Spill. <i>Marine Pollution Bulletin</i> , 2021, 164, 112076.	5.0	2
17	Soil metabolome response to whole-ecosystem warming at the Spruce and Peatland Responses under Changing Environments experiment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	54
18	Limited Presence of Permafrost Dissolved Organic Matter in the Kolyma River, Siberia Revealed by Ramped Oxidation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005977.	3.0	16

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19	Molecular Markers of Biogenic and Oil-Derived Hydrocarbons in Deep-Sea Sediments Following the Deepwater Horizon Spill. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	4
20	An Integrative Model for Soil Biogeochemistry and Methane Processes: I. Model Structure and Sensitivity Analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2019JG005468.	3.0	11
21	Radiocarbon Analyses Quantify Peat Carbon Losses With Increasing Temperature in a Whole Ecosystem Warming Experiment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006511.	3.0	7
22	Coupling plant litter quantity to a novel metric for litter quality explains C storage changes in a thawing permafrost peatland. <i>Global Change Biology</i> , 2021, , .	9.5	8
23	Minnesota peat viromes reveal terrestrial and aquatic niche partitioning for local and global viral populations. <i>Microbiome</i> , 2021, 9, 233.	11.1	53
24	Cutover Peat Limits Methane Production Causing Low Emission at a Restored Peatland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, .	3.0	4
25	Long-Term Preservation of Oil Spill Events in Sediments: The Case for the Deepwater Horizon Oil Spill in the Northern Gulf of Mexico. , 2020, , 285-300.		2
26	Land-use controls on carbon biogeochemistry in lowland streams of the Congo Basin. <i>Global Change Biology</i> , 2020, 26, 1374-1389.	9.5	30
27	Controls on Soil Organic Matter Degradation and Subsequent Greenhouse Gas Emissions Across a Permafrost Thaw Gradient in Northern Sweden. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	29
28	Rapid Net Carbon Loss From a Whole Ecosystem Warmed Peatland. <i>AGU Advances</i> , 2020, 1, e2020AV000163.	5.4	69
29	Assessing the Potential for Mobilization of Old Soil Carbon After Permafrost Thaw: A Synthesis of ¹⁴ C Measurements From the Northern Permafrost Region. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006672.	4.9	36
30	INFLUENCES OF UPPER FLORIDAN AQUIFER WATERS ON RADIOCARBON IN THE OTOLITHS OF GRAY SNAPPER (<i>Lutjanus griseus</i>) IN THE GULF OF MEXICO. <i>Radiocarbon</i> , 2020, 62, 1127-1146.	1.8	1
31	Massive peatland carbon banks vulnerable to rising temperatures. <i>Nature Communications</i> , 2020, 11, 2373.	12.8	76
32	The science behind marine-oil snow and MOSSFA: Past, present, and future. <i>Progress in Oceanography</i> , 2020, 187, 102398.	3.2	33
33	Life history of northern Gulf of Mexico Warsaw grouper <i>Hyporthodus nigritus</i> inferred from otolith radiocarbon analysis. <i>PLoS ONE</i> , 2020, 15, e0228254.	2.5	14
34	The southern Gulf of Mexico: A baseline radiocarbon isoscape of surface sediments and isotopic excursions at depth. <i>PLoS ONE</i> , 2020, 15, e0231678.	2.5	7
35	The Sedimentary Record of MOSSFA Events in the Gulf of Mexico: A Comparison of the Deepwater Horizon (2010) and Ixtoc 1 (1979) Oil Spills. , 2020, , 221-234.		3
36	Stable isotopic determination of methane oxidation: When smaller scales are better. <i>Waste Management</i> , 2019, 97, 82-87.	7.4	6

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37	Microbial Community Analyses Inform Geochemical Reaction Network Models for Predicting Pathways of Greenhouse Gas Production. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	9
38	Does dissolved organic matter or solid peat fuel anaerobic respiration in peatlands?. <i>Geoderma</i> , 2019, 349, 79-87.	5.1	21
39	Impact of Warming on Greenhouse Gas Production and Microbial Diversity in Anoxic Peat From a Sphagnum-Dominated Bog (Grand Rapids, Minnesota, United States). <i>Frontiers in Microbiology</i> , 2019, 10, 870.	3.5	43
40	Petrocarbon evolution: Ramped pyrolysis/oxidation and isotopic studies of contaminated oil sediments from the Deepwater Horizon oil spill in the Gulf of Mexico. <i>PLoS ONE</i> , 2019, 14, e0212433.	2.5	8
41	The Effect of Bacterial Sulfate Reduction Inhibition on the Production and Stable Isotopic Composition of Methane in Hypersaline Environments. <i>Aquatic Geochemistry</i> , 2019, 25, 237-251.	1.3	4
42	Trophic Relationships and Niche Partitioning of Red Drum <i>Sciaenops ocellatus</i> and Common Snook <i>Centropomus undecimalis</i> in Coastal Estuaries of South Florida. <i>Estuaries and Coasts</i> , 2019, 42, 842-856.	2.2	10
43	Sources of carbon to suspended particulate organic matter in the northern Gulf of Mexico. <i>Elementa</i> , 2019, 7, .	3.2	7
44	The Ephemeral Signature of Permafrost Carbon in an Arctic Fluvial Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1475-1485.	3.0	53
45	Vertical Stratification of Peat Pore Water Dissolved Organic Matter Composition in a Peat Bog in Northern Minnesota. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 479-494.	3.0	41
46	Methanogens Are Major Contributors to Nitrogen Fixation in Soils of the Florida Everglades. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	51
47	Determination of gas recovery efficiency at two Danish landfills by performing downwind methane measurements and stable carbon isotopic analysis. <i>Waste Management</i> , 2018, 73, 220-229.	7.4	36
48	Tropical peatland carbon storage linked to global latitudinal trends in peat recalcitrance. <i>Nature Communications</i> , 2018, 9, 3640.	12.8	135
49	Tracing the incorporation of carbon into benthic foraminiferal calcite following the Deepwater Horizon event. <i>Environmental Pollution</i> , 2018, 237, 424-429.	7.5	20
50	Controls on the Variation of Methylmercury Concentration in Seagrass Bed Consumer Organisms of the Big Bend, Florida, USA. <i>Estuaries and Coasts</i> , 2018, 41, 1486-1495.	2.2	5
51	Methanotrophy across a natural permafrost thaw environment. <i>ISME Journal</i> , 2018, 12, 2544-2558.	9.8	102
52	Genome-centric view of carbon processing in thawing permafrost. <i>Nature</i> , 2018, 560, 49-54.	27.8	337
53	Host-linked soil viral ecology along a permafrost thaw gradient. <i>Nature Microbiology</i> , 2018, 3, 870-880.	13.3	372
54	Linear decline in red snapper (<i>Lutjanus campechanus</i>) otolith $\delta^{14}C$ extends the utility of the bomb radiocarbon chronometer for fish age validation in the Northern Gulf of Mexico. <i>ICES Journal of Marine Science</i> , 2018, 75, 1664-1671.	2.5	18

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55	Scales of seafloor sediment resuspension in the northern Gulf of Mexico. <i>Elementa</i> , 2018, 6, .	3.2	43
56	Isotopic composition of sinking particles: Oil effects, recovery and baselines in the Gulf of Mexico, 2010â€“2015. <i>Elementa</i> , 2018, 6, .	3.2	18
57	Greenhouse gas balance over thawâ€“freeze cycles in discontinuous zone permafrost. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2017, 122, 387-404.	3.0	32
58	Hydrocarbon composition and concentrations in the Gulf of Mexico sediments in the 3 years following the Macondo well blowout. <i>Environmental Pollution</i> , 2017, 229, 329-338.	7.5	23
59	Microbial network, phylogenetic diversity and community membership in the active layer across a permafrost thaw gradient. <i>Environmental Microbiology</i> , 2017, 19, 3201-3218.	3.8	79
60	Hydrogenation of organic matter as a terminal electron sink sustains high CO ₂ :CH ₄ production ratios during anaerobic decomposition. <i>Organic Geochemistry</i> , 2017, 112, 22-32.	1.8	59
61	Adding stable carbon isotopes improves model representation of the role of microbial communities in peatland methane cycling. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1412-1430.	3.8	18
62	Employing extant stable carbon isotope data in Gulf of Mexico sedimentary organic matter for oil spill studies. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 249-258.	1.4	15
63	Recycling of Organic Matter in the Sediments of Santa Monica Basin, California Borderland. <i>Aquatic Geochemistry</i> , 2016, 22, 593-618.	1.3	16
64	Stability of peatland carbon to rising temperatures. <i>Nature Communications</i> , 2016, 7, 13723.	12.8	162
65	Elemental composition and optical properties reveal changes in dissolved organic matter along a permafrost thaw chronosequence in a subarctic peatland. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 187, 123-140.	3.9	77
66	Methane emissions proportional to permafrost carbon thawed in Arctic lakes since the 1950s. <i>Nature Geoscience</i> , 2016, 9, 679-682.	12.9	150
67	Comparison of Field Measurements to Methane Emissions Models at a New Landfill. <i>Environmental Science & Technology</i> , 2016, 50, 9432-9441.	10.0	21
68	Climatic drivers for multidecadal shifts in solute transport and methane production zones within a large peat basin. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1578-1598.	4.9	20
69	Deep Water Horizon oil and methane carbon entered the food web in the Gulf of Mexico. <i>Limnology and Oceanography</i> , 2016, 61, S387.	3.1	18
70	Tracing the intrusion of fossil carbon into coastal Louisiana macrofauna using natural ¹⁴ C and ¹³ C abundances. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 89-95.	1.4	19
71	Sustained deposition of contaminants from the <i>Deepwater Horizon</i> spill. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3332-40.	7.1	84
72	Winter precipitation and snow accumulation drive the methane sink or source strength of Arctic tussock tundra. <i>Global Change Biology</i> , 2016, 22, 2818-2833.	9.5	47

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73	Assessing the impacts of oil-associated marine snow formation and sedimentation during and after the Deepwater Horizon oil spill. <i>Anthropocene</i> , 2016, 13, 18-33.	3.3	222
74	Alpha- and Gammaproteobacterial Methanotrophs Codominate the Active Methane-Oxidizing Communities in an Acidic Boreal Peat Bog. <i>Applied and Environmental Microbiology</i> , 2016, 82, 2363-2371.	3.1	78
75	An Unusual Inverted Saline Microbial Mat Community in an Interdune Sabkha in the Rub' al Khali (the Tj ETQq1 1 0,784314 rgBT /Over	2.5	21
76	Use of a Laser-Based Open Path Instrument to Provide Continuous Long-Term Measurements of Methane Emissions from Two Landfills. , 2016, , .		0
77	Sedimentation Pulse in the NE Gulf of Mexico following the 2010 DWH Blowout. <i>PLoS ONE</i> , 2015, 10, e0132341.	2.5	126
78	The relative importance of methanogenesis in the decomposition of organic matter in northern peatlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 280-293.	3.0	34
79	Using Natural Abundance Radiocarbon To Trace the Flux of Petrocarbon to the Seafloor Following the Deepwater Horizon Oil Spill. <i>Environmental Science & Technology</i> , 2015, 49, 847-854.	10.0	199
80	CO ₂ and CH ₄ isotope compositions and production pathways in a tropical peatland. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1-18.	4.9	41
81	Performance of green waste biocovers for enhancing methane oxidation. <i>Waste Management</i> , 2015, 39, 205-215.	7.4	17
82	Utilization of PARAFAC-Modeled Excitation-Emission Matrix (EEM) Fluorescence Spectroscopy to Identify Biogeochemical Processing of Dissolved Organic Matter in a Northern Peatland. <i>Photochemistry and Photobiology</i> , 2015, 91, 684-695.	2.5	32
83	Distribution, Activities, and Interactions of Methanogens and Sulfate-Reducing Prokaryotes in the Florida Everglades. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7431-7442.	3.1	25
84	Rates and pathways of methanogenesis in hypersaline environments as determined by ¹³ C-labeling. <i>Biogeochemistry</i> , 2015, 126, 329-341.	3.5	14
85	Soil incubations reproduce field methane dynamics in a subarctic wetland. <i>Biogeochemistry</i> , 2015, 126, 241-249.	3.5	24
86	A simple headspace equilibration method for measuring dissolved methane. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 637-650.	2.0	93
87	The rise and fall of methanotrophy following a deepwater oil-well blowout. <i>Nature Geoscience</i> , 2014, 7, 423-427.	12.9	121
88	Microbial Metabolic Potential for Carbon Degradation and Nutrient (Nitrogen and Phosphorus) Acquisition in an Ombrotrophic Peatland. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3531-3540.	3.1	102
89	Microbial Community Stratification Linked to Utilization of Carbohydrates and Phosphorus Limitation in a Boreal Peatland at Marcell Experimental Forest, Minnesota, USA. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3518-3530.	3.1	114
90	An evaluation of lipid extraction techniques for interpretation of carbon and nitrogen isotope values in bottlenose dolphin (<i>Tursiops truncatus</i>) skin tissue. <i>Marine Mammal Science</i> , 2014, 30, 85-103.	1.8	18

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91	Organic matter transformation in the peat column at Marcell Experimental Forest: Humification and vertical stratification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 661-675.	3.0	170
92	Methane dynamics regulated by microbial community response to permafrost thaw. <i>Nature</i> , 2014, 514, 478-481.	27.8	321
93	Fossil Carbon in Particulate Organic Matter in the Gulf of Mexico following the Deepwater Horizon Event. <i>Environmental Science and Technology Letters</i> , 2014, 1, 108-112.	8.7	36
94	Assessing methods to estimate emissions of non-methane organic compounds from landfills. <i>Waste Management</i> , 2014, 34, 2260-2270.	7.4	10
95	Characterization of methane flux from photosynthetic oxidation ponds in a wastewater treatment plant. <i>Water Science and Technology</i> , 2014, 70, 980-989.	2.5	8
96	Discovery of a novel methanogen prevalent in thawing permafrost. <i>Nature Communications</i> , 2014, 5, 3212.	12.8	170
97	Changes in peat chemistry associated with permafrost thaw increase greenhouse gas production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5819-5824.	7.1	268
98	Subsurface methane sources and migration pathways within a gas hydrate mound system, Gulf of Mexico. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 89-107.	2.5	18
99	Plant-mediated transport and isotopic composition of methane from shallow tropical wetlands. <i>Inland Waters</i> , 2014, 4, 369-376.	2.2	8
100	Effect of nutrient enrichment on $\delta^{13}\text{C}$ and the methane production pathway in the Florida Everglades. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1267-1280.	3.0	17
101	Controls on methane released through ebullition in peatlands affected by permafrost degradation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 418-431.	3.0	46
102	A Rapid Response Study of the Hercules Gas Well Blowout. <i>Eos</i> , 2014, 95, 341-342.	0.1	4
103	Expert assessment of vulnerability of permafrost carbon to climate change. <i>Climatic Change</i> , 2013, 119, 359-374.	3.6	257
104	Partitioning pathways of CO ₂ production in peatlands with stable carbon isotopes. <i>Biogeochemistry</i> , 2013, 114, 327-340.	3.5	89
105	Investigating dissolved organic matter decomposition in northern peatlands using complimentary analytical techniques. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 112, 116-129.	3.9	104
106	Redefining the isotopic boundaries of biogenic methane: Methane from endoevaporites. <i>Icarus</i> , 2013, 224, 268-275.	2.5	43
107	Surface production fuels deep heterotrophic respiration in northern peatlands. <i>Global Biogeochemical Cycles</i> , 2013, 27, 1163-1174.	4.9	33
108	Microbial Community Structure and Activity Linked to Contrasting Biogeochemical Gradients in Bog and Fen Environments of the Glacial Lake Agassiz Peatland. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7023-7031.	3.1	149

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109	Radiocarbon evidence that carbon from the Deepwater Horizon spill entered the planktonic food web of the Gulf of Mexico. <i>Environmental Research Letters</i> , 2012, 7, 045303.	5.2	79
110	Geologic methane seeps along boundaries of Arctic permafrost thaw and melting glaciers. <i>Nature Geoscience</i> , 2012, 5, 419-426.	12.9	211
111	Methane emissions from 20 landfills across the United States using vertical radial plume mapping. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 183-197.	1.9	61
112	Using the deuterium isotope composition of permafrost meltwater to constrain thermokarst lake contributions to atmospheric CH ₄ during the last deglaciation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	64
113	Variability in the carbon isotopic composition of foliage carbon pools (soluble carbohydrates, waxes) and respiration fluxes in southeastern U.S. pine forests. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	1
114	Comparison of dialysis and solid-phase extraction for isolation and concentration of dissolved organic matter prior to Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 447-457.	3.7	52
115	The rate of permafrost carbon release under aerobic and anaerobic conditions and its potential effects on climate. <i>Global Change Biology</i> , 2012, 18, 515-527.	9.5	141
116	Flux by fin: fish-mediated carbon and nutrient flux in the northeastern Gulf of Mexico. <i>Marine Biology</i> , 2012, 159, 365-372.	1.5	45
117	Landfill Methane Oxidation Across Climate Types in the U.S.. <i>Environmental Science & Technology</i> , 2011, 45, 313-319.	10.0	33
118	Influence of acidification on the optical properties and molecular composition of dissolved organic matter. <i>Analytica Chimica Acta</i> , 2011, 706, 261-267.	5.4	39
119	Seasonal Greenhouse Gas Emissions (Methane, Carbon Dioxide, Nitrous Oxide) from Engineered Landfills: Daily, Intermediate, and Final California Cover Soils. <i>Journal of Environmental Quality</i> , 2011, 40, 1010-1020.	2.0	77
120	Observations on the methane oxidation capacity of landfill soils. <i>Waste Management</i> , 2011, 31, 914-925.	7.4	65
121	Mitigation of methane emission from Fakse landfill using a biowindow system. <i>Waste Management</i> , 2011, 31, 1018-1028.	7.4	59
122	Patterns of stable carbon isotope turnover in gag, <i>Mycteroperca microlepis</i> , an economically important marine piscivore determined with a non-lethal surgical biopsy procedure. <i>Environmental Biology of Fishes</i> , 2011, 90, 243-252.	1.0	34
123	Fresh Water Inflow and Oyster Productivity in Apalachicola Bay, FL (USA). <i>Estuaries and Coasts</i> , 2011, 34, 993-1005.	2.2	19
124	Reporting central tendencies of chamber measured surface emission and oxidation. <i>Waste Management</i> , 2011, 31, 1002-1008.	7.4	26
125	Scaling methane oxidation: From laboratory incubation experiments to landfill cover field conditions. <i>Waste Management</i> , 2011, 31, 978-986.	7.4	51
126	Methane Oxidation in Landfill Cover Soils. , 2010, , .		1

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127	Concentration-dependent Stable Isotope Analysis of Consumers in the Upper Reaches of a Freshwater-dominated Estuary: Apalachicola Bay, FL, USA. <i>Estuaries and Coasts</i> , 2010, 33, 1406-1419.	2.2	17
128	Fate of Effluent-Borne Contaminants beneath Septic Tank Drainfields Overlying a Karst Aquifer. <i>Journal of Environmental Quality</i> , 2010, 39, 1181-1195.	2.0	79
129	Developing a Design Approach to Reduce Methane Emissions from California Landfills. , 2010, , .		6
130	Effectiveness of a Florida Landfill Biocover for Reduction of CH ₄ and NMHC Emissions. <i>Environmental Science & Technology</i> , 2010, 44, 1197-1203.	10.0	46
131	Characterization of dissolved organic matter in northern peatland soil porewaters by ultra high resolution mass spectrometry. <i>Organic Geochemistry</i> , 2010, 41, 791-799.	1.8	80
132	Methane Oxidation in Landfill Cover Soils, is a 10% Default Value Reasonable?. <i>Journal of Environmental Quality</i> , 2009, 38, 654-663.	2.0	106
133	Isotopic variation ($\delta^{15}N$, $\delta^{13}C$, and $\delta^{34}S$) with body size in post-larval estuarine consumers. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 83, 307-312.	2.1	14
134	Combining Organic Matter Source and Relative Trophic Position Determinations to Explore Trophic Structure. <i>Estuaries and Coasts</i> , 2009, 32, 999-1010.	2.2	30
135	Land or ocean?: Assessing the driving forces of submarine groundwater discharge at a coastal site in the Gulf of Mexico. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	96
136	Nitrogen Stable Isotopes of Macrophytes Assess Stormwater Nitrogen Inputs to an Urbanized Estuary. <i>Estuaries and Coasts</i> , 2008, 31, 360-370.	2.2	22
137	Major Ion Chemistry in a Freshwater Coastal Lagoon from Southern Brazil (Mangueira Lagoon): Influence of Groundwater Inputs. <i>Aquatic Geochemistry</i> , 2008, 14, 133-146.	1.3	34
138	Atmospheric emissions and attenuation of non-methane organic compounds in cover soils at a French landfill. <i>Waste Management</i> , 2008, 28, 1892-1908.	7.4	91
139	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
140	Uncoupling of acetate degradation from methane formation in Alaskan wetlands: Connections to vegetation distribution. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	94
141	Radiocarbon evidence for the importance of surface vegetation on fermentation and methanogenesis in contrasting types of boreal peatlands. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	142
142	Microbial activity in surficial sediments overlying acoustic wipeout zones at a Gulf of Mexico cold seep. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	57
143	Effect of Temperature and Oxidation Rate on Carbon-isotope Fractionation during Methane Oxidation by Landfill Cover Materials. <i>Environmental Science & Technology</i> , 2008, 42, 7818-7823.	10.0	54
144	Evaluation of onsite sewage treatment and disposal systems in shallow karst terrain. <i>Water Research</i> , 2008, 42, 2585-2597.	11.3	19

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145	Improved Field Methods to Quantify Methane Oxidation in Landfill Cover Materials Using Stable Carbon Isotopes. <i>Environmental Science & Technology</i> , 2008, 42, 665-670.	10.0	45
146	Measuring Temporal Variability in Pore-Fluid Chemistry To Assess Gas Hydrate Stability: Development of a Continuous Pore-Fluid Array. <i>Environmental Science & Technology</i> , 2008, 42, 7368-7373.	10.0	36
147	Nutrient biogeochemistry in a Gulf of Mexico subterranean estuary and groundwater-derived fluxes to the coastal ocean. <i>Limnology and Oceanography</i> , 2008, 53, 705-718.	3.1	181
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