Leonard I Wassenaar

List of Publications by Year
in descending order

234 papers	12,982 citations	26630 56 h-index	31849 101 g-index
245 all docs	245 docs citations	245 times ranked	8390 citing authors

#	Article	IF	Citations
1	Isotopic composition (Î´15N, Î´18O) of nitrate in high-frequency precipitation events differentiate atmospheric processes and anthropogenic NOx emissions. Atmospheric Research, 2022, 267, 105971.	4.1	8
2	Assessment of rapid lowâ€cost isotope (Î´¹⁵N, Î´¹⁸O) analyses of nitrate in fruit extracts by Ti(III) reduction to differentiate organic from conventional production. Rapid Communications in Mass Spectrometry, 2022, 36, e9259.	1.5	5
3	Nitrate sources and mixing in the Danube watershed: implications for transboundary river basin monitoring and management. Scientific Reports, 2022, 12, 2150.	3.3	6
4	Influence of equilibration time, soil texture, and saturation on the accuracy of porewater water isotope assays using the direct H2O(liquid)â€“H2O(vapor) equilibration method. Journal of Hydrology, 2022, 607, 127560.	5.4	6
5	Hydrogen isotopes (Î´²H) of polyunsaturated fatty acids track bioconversion by zooplankton. Functional Ecology, 2022, 36, 538-549.	3.6	17
6	High spatial resolution prediction of tritium (3H) in contemporary global precipitation. Scientific Reports, 2022, 12, .	3.3	9
7	Global patterns of nitrate isotope composition in rivers and adjacent aquifers reveal reactive nitrogen cascading. Communications Earth & Environment, 2021, 2, .	6.8	56
8	The Pulse of the Amazon: Fluxes of Dissolved Organic Carbon, Nutrients, and Ions From the World's Largest River. Global Biogeochemical Cycles, 2021, 35, e2020GB006895.	4.9	16
9	Compoundâ€specific stable hydrogen isotope (Î´²H) analyses of fatty acids: A new method and perspectives for trophic and movement ecology. Rapid Communications in Mass Spectrometry, 2021, 35, e9135.	1.5	16
10	Improved <scp>highâ€resolution</scp> global and regionalized isoscapes of <scp>Î´¹⁸O</scp>, <scp>Î´²H</scp> and <scp>dâ€excess</scp> in precipitation. Hydrological Processes, 2021, 35, e14254.	2.6	36
11	Performance of lowâ€cost stainlessâ€steel beverage kegs for longâ€term storage integrity and easy dispensing of water isotope (Î´¹⁸O, Î´²H) reference materials. Rapid Communications in Mass Spectrometry, 2021, 35, e9164.	1.5	3
12	Temperature and precipitation effects on the isotopic composition of global precipitation reveal long-term climate dynamics. Scientific Reports, 2021, 11, 18503.	3.3	25
13	Progress and challenges in dualâ€and tripleâ€isotope (Î´¹⁸O, Î´²H, Î”¹⁷O) analyses of environmental waters: An international assessment of laboratory performance. Rapid Communications in Mass Spectrometry, 2021, 35, e9193.	1.5	14
14	Distinguishing in-cloud and below-cloud short and distal N-sources from high-temporal resolution seasonal nitrate and ammonium deposition in Vienna, Austria. Atmospheric Environment, 2021, 266, 118740.	4.1	9
15	Comparative evaluation of 2H- versus 3H-based enrichment factor determination on the uncertainty and accuracy of low-level tritium analyses of environmental waters. Applied Radiation and Isotopes, 2021, 176, 109850.	1.5	1
16	Experimental Evaluation of Î´2H, Î´13C and Î´15N Variability in Blood and Feathers of Wild and Captive Birds: Implications for Interspecific Food Web Studies. Diversity, 2021, 13, 495.	1.7	1
17	Principles and uncertainties of ¹⁴C age estimations for groundwater transport and resource evaluation. Isotopes in Environmental and Health Studies, 2021, 57, 111-141.	1.0	6
18	Stable isotopes in global lakes integrate catchment and climatic controls on evaporation. Nature Communications, 2021, 12, 7224.	12.8	35

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19	60-year trends of Î´18O in global precipitation reveal large scale hydroclimatic variations. Global and Planetary Change, 2020, 195, 103335.	3.5	17
20	PREFACE: IAEA International Symposium on Isotope Hydrology. Isotopes in Environmental and Health Studies, 2020, 56, 93-94.	1.0	0
21	Stable isotope fractionations in the evaporation of water: The wind effect. Hydrological Processes, 2020, 34, 3596-3607.	2.6	15
22	Proficiency testing of 78 international laboratories measuring tritium in environmental waters by decay counting and mass spectrometry for age dating and water resources assessment. Rapid Communications in Mass Spectrometry, 2020, 34, e8832.	1.5	8
23	The first IAEA inter-laboratory comparison exercise in Latin America and the Caribbean for stable isotope analyses of water samples. Isotopes in Environmental and Health Studies, 2020, 56, 391-401.	1.0	9
24	Small-scale chemical and isotopic variability of hydrological pathways in a mountain lake catchment. Journal of Hydrology, 2020, 585, 124834.	5.4	19
25	The Use of Stable Isotopic Analyses to Identify Pulp Mill Effluent Signatures in Riverine Food Webs. , 2020, , 413-423.		1
26	Spatio-temporal variation of nitrate sources to Lake Winnipeg using N and O isotope (Î´15N, Î´18O) analyses. Science of the Total Environment, 2019, 647, 486-493.	8.0	54
27	14C chronology and stable isotopes on Lymnaea viatrix shells in northwest Patagonia, Argentina. Do they express the Antarctic climatic reversal?. Carbonates and Evaporites, 2019, 34, 133-142.	1.0	1
28	Introduction to Conducting Stable Isotope Measurements for Animal Migration Studies. , 2019, , 25-51.		20
29	A Ti(III) reduction method for oneâ€step conversion of seawater and freshwater nitrate into N₂O for stable isotopic analysis of ¹⁵N/¹⁴N, ¹⁸O/¹⁶O and ¹⁷O/¹⁶O. Rapid Communications in Mass Spectrometry, 2019, 33, 1227-1239.	1.5	40
30	Isoscape Computation and Inference of Spatial Origins With Mixed Models Using the R package IsoriX. , 2019, , 207-236.		19
31	Outlook for Using Stable Isotopes in Animal Migration Studies. , 2019, , 237-244.		6
32	Stable isotope patterns reveal widespread rainy-period-biased recharge in phreatic aquifers across Greece. Journal of Hydrology, 2019, 568, 1081-1092.	5.4	13
33	Seeking excellence: An evaluation of 235 international laboratories conducting water isotope analyses by isotopeâ€ratio and laserâ€absorption spectrometry. Rapid Communications in Mass Spectrometry, 2018, 32, 393-406.	1.5	54
34	A laboratory information management system for the analysis of tritium (3 H) in environmental waters. Applied Radiation and Isotopes, 2018, 137, 139-146.	1.5	6
35	Patterns of parasitism in monarch butterflies during the breeding season in eastern <scp>N</scp>orth <scp>A</scp>merica. Ecological Entomology, 2018, 43, 28-36.	2.2	14
36	A simple polymer electrolyte membrane system for enrichment of low-level tritium (³H) in environmental water samples. Isotopes in Environmental and Health Studies, 2018, 54, 274-287.	1.0	6

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37	N and O isotope (Î´¹⁵N^{Î±}, Î´¹⁵N^{Î²},) Tj ETQq1 1 0.784314 rgBT /Ove and NO₂^{â¯} by the Cdâ€azide reduction method and N₂O laser spectrometry. Rapid Communications in Mass Spectrometry, 2018, 32, 184-194.	1.5	25
38	Correcting for Biogenic Gas Matrix Effects on Laserâ€Based Pore Waterâ€Vapor Stable Isotope Measurements. Vadose Zone Journal, 2018, 17, 1-10.	2.2	27
39	Geographic origin and migration phenology of European red admirals (Vanessa atalanta) as revealed by stable isotopes. Movement Ecology, 2018, 6, 25.	2.8	10
40	Assessing the fate of explosives derived nitrate in mine waste rock dumps using the stable isotopes of oxygen and nitrogen. Science of the Total Environment, 2018, 640-641, 127-137.	8.0	22
41	A unified Craig-Gordon isotope model of stable hydrogen and oxygen isotope fractionation during fresh or saltwater evaporation. Geochimica Et Cosmochimica Acta, 2018, 235, 224-236.	3.9	60
42	High-frequency NO₃^{â¯} isotope (<i>Î´</i>¹⁵N,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 groundwater recharge reveal that short-term changes in land use and precipitation influence nitrate contamination trends. Hydrology and Earth System Sciences, 2018, 22, 4267-4279.	4.9	31
43	Regional climate on the breeding grounds predicts variation in the natal origin of monarch butterflies overwintering in Mexico over 38Âyears. Global Change Biology, 2017, 23, 2565-2576.	9.5	98
44	Reâ€evaluation of the hydrogen stable isotopic composition of keratin calibration standards for wildlife and forensic science applications. Rapid Communications in Mass Spectrometry, 2017, 31, 1193-1203.	1.5	90
45	Isotopic evidence for widespread coldâ€seasonâ€biased groundwater recharge and young streamflow across central Canada. Hydrological Processes, 2017, 31, 2196-2209.	2.6	65
46	Migration distance as a selective episode for wing morphology in a migratory insect. Movement Ecology, 2017, 5, 7.	2.8	42
47	American woodcock migratory connectivity as indicated by hydrogen isotopes. Journal of Wildlife Management, 2016, 80, 510-526.	1.8	12
48	Measurement of extremely ²Hâ€enriched water samples by laser spectrometry: application to batch electrolytic concentration of environmental tritium samples. Rapid Communications in Mass Spectrometry, 2016, 30, 415-422.	1.5	13
49	Using hydrogen isotopes of freshwater fish tissue as a tracer of provenance. Ecology and Evolution, 2016, 6, 7776-7782.	1.9	15
50	Precipitation isoscapes for New Zealand: enhanced temporal detail using precipitation-weighted daily climatology. Isotopes in Environmental and Health Studies, 2016, 52, 343-352.	1.0	22
51	A compact tritium enrichment unit for large sample volumes with automated re-filling and higher enrichment factor. Applied Radiation and Isotopes, 2016, 118, 80-86.	1.5	12
52	IAEA International Symposium on Isotope Hydrology: Revisiting Foundations and Exploring Frontiers, 11â€“15 May 2015, Vienna, Austria. Isotopes in Environmental and Health Studies, 2016, 52, 327-328.	1.0	0
53	Possible linkage between neuronal recruitment and flight distance in migratory birds. Scientific Reports, 2016, 6, 21983.	3.3	23
54	Correcting Laser-Based Water Stable Isotope Readings Biased by Carrier Gas Changes. Environmental Science & Technology, 2016, 50, 7074-7081.	10.0	28

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55	Differential migration and the link between winter latitude, timing of migration, and breeding in a songbird. Oecologia, 2016, 181, 413-422.	2.0	56
56	Prey consumption and trace element concentrations in double-crested cormorants (Phalacrocorax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	4
57	LIMS for Lasers 2015 for achieving long-term accuracy and precision ofÎ´²H,Î´¹⁷O, andÎ´¹⁸O of waters using laser absorption spectrometry. Rapid Communications in Mass Spectrometry, 2015, 29, 2122-2130.	1.5	62
58	Spaceâ€time tradeoffs in the development of precipitationâ€based isoscape models for determining migratory origin. Journal of Avian Biology, 2015, 46, 658-667.	1.2	16
59	Can argillaceous formations isolate nuclear waste? Insights from isotopic, noble gas, and geochemical profiles. Geofluids, 2015, 15, 381-386.	0.7	36
60	A new isotopic reference material for stable hydrogen and oxygen isotopeâ€ratio measurements of water â€“ USGS50 Lake Kyoga Water. Rapid Communications in Mass Spectrometry, 2015, 29, 2078-2082.	1.5	5
61	Determining the stable isotope composition of pore water from saturated and unsaturated zone core: improvements to the direct vapour equilibration laser spectrometry method. Hydrology and Earth System Sciences, 2015, 19, 4427-4440.	4.9	56
62	Do Healthy Monarchs Migrate Farther? Tracking Natal Origins of Parasitized vs. Uninfected Monarch Butterflies Overwintering in Mexico. PLoS ONE, 2015, 10, e0141371.	2.5	80
63	The Global Network of Isotopes in Rivers (GNIR): integration of water isotopes in watershed observation and riverine research. Hydrology and Earth System Sciences, 2015, 19, 3419-3431.	4.9	94
64	The efficacy of scale sampling for monitoring trace element concentrations and stable isotopes in commercially harvested walleye (Sander vitreus). Isotopes in Environmental and Health Studies, 2015, 51, 359-371.	1.0	1
65	An online temperatureâ€controlled vacuumâ€equilibration preparation system for the measurement of Î´²H values of nonâ€exchangeableâ€H and of Î´¹⁸O values in organic materials by isotopeâ€ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2015, 29, 397-407.	1.5	47
66	Sensitivity of structural and functional indicators depends on type and resolution of anthropogenic activities. Ecological Indicators, 2014, 45, 274-284.	6.3	24
67	No evidence for assortative mating within a willow warbler migratory divide. Frontiers in Zoology, 2014, 11, 52.	2.0	17
68	Comparison of methods for stable isotope ratio (Î´¹³C, Î´¹⁵N, Î´²H,) Tj ETQq0 0 0 rgBT /Overlock	5.2	18
69	Contrasting assignment of migratory organisms to geographic origins using longâ€term versus yearâ€specific precipitation isotope maps. Methods in Ecology and Evolution, 2014, 5, 891-900.	5.2	41
70	Defining fish community structure in Lake Winnipeg using stable isotopes (Î´13C, Î´15N, Î´34S): Implications for monitoring ecological responses and trophodynamics of mercury & other trace elements. Science of the Total Environment, 2014, 497-498, 239-249.	8.0	45
71	Approaches for Achieving Long-Term Accuracy and Precision of Î´¹⁸O and Î´²H for Waters Analyzed using Laser Absorption Spectrometers. Environmental Science & Technology, 2014, 48, 1123-1131.	10.0	69
72	Inferring the ecology of willow warblers during their winter moult by sequential stable isotope analyses of remiges. Journal of Avian Biology, 2013, 44, 561-566.	1.2	3

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73	The influence of metabolic effects on stable hydrogen isotopes in tissues of aquatic organisms. Isotopes in Environmental and Health Studies, 2013, 49, 305-311.	1.0	16
74	Stable hydrogen and oxygen isotopes in aquatic food webs are tracers of diet and provenance. Functional Ecology, 2013, 27, 535-543.	3.6	89
75	An Appraisal of the Use of Hydrogen-Isotope Methods to Delineate Origins of Migratory Saw-whet Owls in North America. Condor, 2013, 115, 366-374.	1.6	14
76	An exploration of migratory connectivity of the Rufous Hummingbird (Selasphorus rufus), using feather deuterium. Journal of Ornithology, 2013, 154, 423-430.	1.1	9
77	Tracking multi-generational colonization of the breeding grounds by monarch butterflies in eastern North America. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131087.	2.6	146
78	Conservation through connectivity: can isotopic gradients in Africa reveal winter quarters of a migratory bird?. Oecologia, 2013, 171, 591-600.	2.0	22
79	Hydrogen isotope variability in prairie wetland systems: implications for studies of migratory connectivity. , 2013, 23, 110-121.		14
80	Critique: measuring hydrogen stable isotope abundance of proteins to infer origins of wildlife, food and people. Bioanalysis, 2013, 5, 751-767.	1.5	68
81	Measurement of stable isotope activities in saline aqueous solutions using optical spectroscopy methods. Isotopes in Environmental and Health Studies, 2013, 49, 378-386.	1.0	17
82	Paleohydrogeology of the Cretaceous sediments of the Williston Basin using stable isotopes of water. Water Resources Research, 2013, 49, 4580-4592.	4.2	66
83	Global isoscapes for Î´¹⁸O and Î´²H in precipitation: improved prediction using regionalized climatic regression models. Hydrology and Earth System Sciences, 2013, 17, 4713-4728.	4.9	202
84	Factors Influencing the Turnover and Net Isotopic Discrimination of Hydrogen Isotopes in Proteinaceous Tissue: Experimental Results Using Japanese Quail. Physiological and Biochemical Zoology, 2012, 85, 376-384.	1.5	10
85	A multiâ€isotope (Î´¹³C, Î´¹⁵N, Î´²H) feather isoscape to assign Afrotropical migrant birds to origins. Ecosphere, 2012, 3, 1-20.	2.2	83
86	Connecting Breeding and Wintering Habitats of Migratory Piscivorous Birds: Implications for Tracking Contaminants (Hg) Using Multiple Stable Isotopes. Environmental Science & Technology, 2012, 46, 3263-3272.	10.0	34
87	Determination of the Hydrogen Isotopic Compositions of Organic Materials and Hydrous Minerals Using Thermal Combustion Laser Spectroscopy. Analytical Chemistry, 2012, 84, 3640-3645.	6.5	14
88	Stableâ€hydrogen isotope measures of natal dispersal reflect observed population declines in a threatened migratory songbird. Diversity and Distributions, 2012, 18, 919-930.	4.1	34
89	Rates of microbial elemental sulfur oxidation and 18O and 34S isotopic fractionation under varied nutrient and temperature regimes. Applied Geochemistry, 2012, 27, 186-196.	3.0	7
90	An isotopic baseline (Î´13C, Î´15N) for fishes of Lake Winnipeg: Implications for investigating impacts of eutrophication and invasive species. Journal of Great Lakes Research, 2012, 38, 58-65.	1.9	29

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91	Dissolved oxygen status of Lake Winnipeg: Spatio-temporal and isotopic (Î´18Oâ€“O2) patterns. Journal of Great Lakes Research, 2012, 38, 123-134.	1.9	22
92	Numerical modeling of hydrodynamics and tracer dispersion during ice-free period in Lake Winnipeg. Journal of Great Lakes Research, 2012, 38, 147-157.	1.9	19
93	A geostatistical approach to optimize water quality monitoring networks in large lakes: Application to Lake Winnipeg. Journal of Great Lakes Research, 2012, 38, 174-182.	1.9	32
94	Isotopic characterization of nitrate sources and transformations in Lake Winnipeg and its contributing rivers, Manitoba, Canada. Journal of Great Lakes Research, 2012, 38, 135-146.	1.9	36
95	Lake Winnipeg: The forgotten great lake. Journal of Great Lakes Research, 2012, 38, 1-5.	1.9	23
96	A Triple-Isotope Approach to Predict the Breeding Origins of European Bats. PLoS ONE, 2012, 7, e30388.	2.5	53
97	Linking Hydrogen (Î´2H) Isotopes in Feathers and Precipitation: Sources of Variance and Consequences for Assignment to Isoscapes. PLoS ONE, 2012, 7, e35137.	2.5	143
98	Solving a Migration Riddle Using Isoscapes: House Martins from a Dutch Village Winter over West Africa. PLoS ONE, 2012, 7, e45005.	2.5	11
99	Migratory Connectivity of the Monarch Butterfly (Danaus plexippus): Patterns of Spring Re-Colonization in Eastern North America. PLoS ONE, 2012, 7, e31891.	2.5	48
100	Isotopic Evidence That Dragonflies (Pantala flavescens) Migrating through the Maldives Come from the Northern Indian Subcontinent. PLoS ONE, 2012, 7, e52594.	2.5	66
101	Technical Note: Evaluation of between-sample memory effects in the analysis of Î´²H and Î´¹⁸O of water samples measured by laser spectroscopes. Hydrology and Earth System Sciences, 2012, 16, 3925-3933.	4.9	78
102	A featherâ€precipitation hydrogen isoscape model for New Zealand: implications for ecoâ€forensics. Ecosphere, 2012, 3, 1-13.	2.2	7
103	Worldwide proficiency test for routine analysis of Î´²H and Î´¹⁸O in water by isotopeâ€ratio mass spectrometry and laser absorption spectroscopy. Rapid Communications in Mass Spectrometry, 2012, 26, 1641-1648.	1.5	59
104	The influence of metabolic rate on the contribution of stableâ€hydrogen and oxygen isotopes in drinking water to quail blood plasma and feathers. Functional Ecology, 2012, 26, 1111-1119.	3.6	14
105	In situ experiment to determine advective-diffusive controls on solute transport in a clay-rich aquitard. Journal of Contaminant Hydrology, 2012, 131, 79-88.	3.3	16
106	A dragonfly (Î´²H) isoscape for North America: a new tool for determining natal origins of migratory aquatic emergent insects. Methods in Ecology and Evolution, 2012, 3, 766-772.	5.2	58
107	Correcting for Methane Interferences on Î´²H and Î´¹⁸O Measurements in Pore Water Using H₂O_(liquid)â€“H₂O_(vapor) Equilibration Laser Spectroscopy. Analytical Chemistry, 2011, 83, 5789-5796.	6.5	33
108	Realtime Stable Isotope Monitoring of Natural Waters by Parallel-Flow Laser Spectroscopy. Analytical Chemistry, 2011, 83, 913-919.	6.5	24

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109	Tracing Waterbird Exposure to Total Mercury and Selenium: A Case Study at the Solar Saltworks of Thyna (Sfax, Tunisia). Environmental Science & Technology, 2011, 45, 5118-5124.	10.0	6
110	Controls on the longâ€term downward transport of Î´Â²H of water in a regionally extensive, twoâ€layered aquitard system. Water Resources Research, 2011, 47, .	4.2	30
111	Costs and benefits of natal dispersal in yearling mallards Anas platyrhynchos. Journal of Avian Biology, 2011, 42, 123-133.	1.2	3
112	Isotope hydrology of precipitation, surface and ground waters in the Okanagan Valley, British Columbia, Canada. Journal of Hydrology, 2011, 411, 37-48.	5.4	137
113	Assessing waterbird habitat use in coastal evaporative systems using stable isotopes (Î´13C, Î´15N and Î´D) as environmental tracers. Estuarine, Coastal and Shelf Science, 2011, 92, 217-222.	2.1	17
114	Effects of size and diet on stable hydrogen isotope values (Î´D) in fish: implications for tracing origins of individuals and their food sources. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 2011-2019.	1.4	35
115	Millennial-scale diffusive migration of solutes in thick clay-rich aquitards: evidence from multiple environmental tracers. Hydrogeology Journal, 2011, 19, 259-270.	2.1	30
116	Social and habitat correlates of immigrant recruitment of yearling female Mallards to breeding locations. Journal of Ornithology, 2011, 152, 781-791.	1.1	6
117	Improved online Î´¹⁸O measurements of nitrogenâ€and sulfurâ€bearing organic materials and a proposed analytical protocol. Rapid Communications in Mass Spectrometry, 2011, 25, 2049-2058.	1.5	42
118	Monarch butterflies cross the Appalachians from the west to recolonize the east coast of North America. Biology Letters, 2011, 7, 43-46.	2.3	31
119	Tracking Cats: Problems with Placing Feline Carnivores on Î´18O, Î´D Isoscapes. PLoS ONE, 2011, 6, e24601.	2.5	49
120	Migratory connectivity in a declining bird species: using feather isotopes to inform demographic modelling. Diversity and Distributions, 2010, 16, 643-654.	4.1	13
121	Understanding the migration ecology of European red admirals Vanessa atalanta using stable hydrogen isotopes. Ecography, 2010, 33, 720-729.	4.5	38
122	Aquatic community metabolism response to municipal effluent inputs in rivers quantified using diel Î´¹⁸O values of dissolved oxygen. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1232-1246.	1.4	28
123	The stable isotopic composition (37Cl/35Cl) of dissolved chloride in rainwater. Applied Geochemistry, 2010, 25, 91-96.	3.0	35
124	Origins of American Kestrels Wintering at Two Southern U.S. Sites: An Investigation Using Stable-Isotope (Î´D, Î´18O) Methods. Journal of Raptor Research, 2009, 43, 325-337.	0.6	27
125	Temporal Sources of Deuterium (Î´D) Variability in Waterfowl Feathers Across a Prairie-to-Boreal Gradient. Condor, 2009, 111, 255-265.	1.6	20
126	Comparative microscale analysis of the effects of triclosan and triclocarban on the structure and function of river biofilm communities. Science of the Total Environment, 2009, 407, 3307-3316.	8.0	63

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127	Cl/Br ratios and stable chlorine isotope analysis of magmaticâ€“hydrothermal fluid inclusions from Butte, Montana and Bingham Canyon, Utah. Mineralium Deposita, 2009, 44, 837-848.	4.1	39
128	A test of comparative equilibration for determining nonâ€exchangeable stable hydrogen isotope values in complex organic materials. Rapid Communications in Mass Spectrometry, 2009, 23, 2316-2320.	1.5	46
129	Stable isotopes (ÎD) delineate the origins and migratory connectivity of harvested animals: the case of European woodpigeons. Journal of Applied Ecology, 2009, 46, 572-581.	4.0	70
130	Does a lack of design and repeatability compromise scientific criticism? A response to Smith et al. (2009). Auk, 2009, 126, 922-926.	1.4	15
131	A Comparision of Laboratory and Field Based Determinations of Molecular Diffusion Coefficients in a Low Permeability Geologic Medium. Environmental Science & Technology, 2009, 43, 6730-6736.	10.0	24
132	A groundwater isoscape (ÎD, Î18O) for Mexico. Journal of Geochemical Exploration, 2009, 102, 123-136.	3.2	154
133	A feather hydrogen isoscape for Mexico. Journal of Geochemical Exploration, 2009, 102, 63-70.	3.2	19
134	A feather hydrogen isoscape for Mexico. Journal of Geochemical Exploration, 2009, 102, 167-174.	3.2	16
135	Corrigendum â€" Geographic variation in the isotopic (ÎD, Î¹³C, Î¹⁵N,) Tj ETQq1 1 0.784314 rgBT /Overlock implications for studies of migratory connectivity. Canadian Journal of Zoology, 2009, 87, 553-554.	1.0	27
136	Stable hydrogen isotope (ÎD) values in songbird nestlings: effects of diet, temperature, and body size. Canadian Journal of Zoology, 2009, 87, 767-772.	1.0	14
137	Inferring Heterogeneity in Aquitards Using Highâ€Resolution ÎD and Î¹⁸O Profiles. Ground Water, 2009, 47, 639-645.	1.3	32
138	Spatial and temporal variability of prairie lake hydrology as revealed using stable isotopes of hydrogen and oxygen. Limnology and Oceanography, 2009, 54, 101-118.	3.1	86
139	A Method for Investigating Population Declines of Migratory Birds Using Stable Isotopes: Origins of Harvested Lesser Scaup in North America. PLoS ONE, 2009, 4, e7915.	2.5	109
140	Placing butterflies on the map â€" testing regional geographical resolution of three stable isotopes in Sweden using the monophagus peacock Inachis io. Ecography, 2008, 31, 490-498.	4.5	24
141	Stable Isotopes (ÎD, Î¹³C, Î¹⁵N) Reveal Associations Among Geographic Location and Condition of Alaskan Northern Pintails. Journal of Wildlife Management, 2008, 72, 715-725.	1.8	51
142	High Resolution Pore Water Î²H and Î¹⁸O Measurements by H₂O_(liquid)â^'H₂O_(vapor) Equilibration Laser Spectroscopy. Environmental Science & Technology, 2008, 42, 9262-9267.	10.0	185
143	An Introduction to Light Stable Isotopes for Use in Terrestrial Animal Migration Studies. Journal of Nano Education (Print), 2008, 2, 21-44.	0.3	40
144	Stable carbon and hydrogen isotopes from bat guano in the Grand Canyon, USA, reveal Younger Dryas and 8.2 ka events. Geology, 2008, 36, 683.	4.4	56

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145	High-Precision Laser Spectroscopy D/H and ¹⁸O/¹⁶O Measurements of Microliter Natural Water Samples. Analytical Chemistry, 2008, 80, 287-293.	6.5	364
146	Diurnal variations in the photosynthesis-respiration activity of a cyanobacterial bloom in a freshwater dam reservoir: an isotopic studyâ€. Isotopes in Environmental and Health Studies, 2008, 44, 163-175.	1.0	7
147	Community-Level Assessment of the Effects of the Broad-Spectrum Antimicrobial Chlorhexidine on the Outcome of River Microbial Biofilm Development. Applied and Environmental Microbiology, 2008, 74, 3541-3550.	3.1	39
148	AQUATIC METABOLISM AND ECOSYSTEM HEALTH ASSESSMENT USING DISSOLVED O₂ STABLE ISOTOPE DIEL CURVES. Ecological Applications, 2008, 18, 965-982.	3.8	46
149	Future Directions and Challenges for Using Stable Isotopes in Advancing Terrestrial Animal Migration Research. Journal of Nano Education (Print), 2008, , 129-139.	0.3	7
150	ESTIMATING ORIGINS OF THREE SPECIES OF NEOTROPICAL MIGRANT SONGBIRDS AT A GULF COAST STOPOVER SITE: COMBINING STABLE ISOTOPE AND GIS TOOLS. Condor, 2007, 109, 256.	1.6	24
151	Isotope constraints on water, carbon, and heat fluxes from the northern Great Plains region of North America. Global Biogeochemical Cycles, 2007, 21, n/a-n/a.	4.9	33
152	A Transient Model of Vadose Zone Reaction Rates Using Oxygen Isotopes and Carbon Dioxide. Vadose Zone Journal, 2007, 6, 67-76.	2.2	14
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