

Guidelines and recommended terms for expression of s measurement results

Rapid Communications in Mass Spectrometry

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Citation Report

#	ARTICLE	IF	CITATIONS
2	New reporting guidelines for stable isotopes – an announcement to isotope users. <i>Isotopes in Environmental and Health Studies</i> , 2011, 47, 535-536.	0.5	15
3	Factors Influencing the Turnover and Net Isotopic Discrimination of Hydrogen Isotopes in Proteinaceous Tissue: Experimental Results Using Japanese Quail. <i>Physiological and Biochemical Zoology</i> , 2012, 85, 376-384.	0.6	10
4	Site selective real-time measurements of atmospheric N ₂ and O ₂ isotopomers by laser spectroscopy. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 1601-1609.	1.2	72
5	A combustion setup to precisely reference ¹³ C and ² H isotope ratios of pure CH ₄ to produce isotope reference gases of ¹³ C-CH ₄ in synthetic air. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2227-2236.	1.2	11
6	Rapidly assessing changes in bone mineral balance using natural stable calcium isotopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9989-9994.	3.3	115
10	Stable water isotopologue ratios in fog and cloud droplets of liquid clouds are not size-dependent. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9855-9863.	1.9	3
11	Temporal evolution of stable water isotopologues in cloud droplets in a hill cap cloud in central Europe (HCCT-2010). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11679-11694.	1.9	9
12	Nitrogen and oxygen isotope effects of tissue nitrate associated with nitrate acquisition and utilisation in the moss <i>Hypnum plumaeforme</i> . <i>Functional Plant Biology</i> , 2012, 39, 598.	1.1	10
13	Stable isotopes determination in some Romanian wines. <i>Isotopes in Environmental and Health Studies</i> , 2012, 48, 345-353.	0.5	22
14	Validity of stable isotope data in doping control: perspectives and proposals. <i>Drug Testing and Analysis</i> , 2012, 4, 934-941.	1.6	6
15	Isotope ratio mass spectrometry – history and terminology in brief. <i>Drug Testing and Analysis</i> , 2012, 4, 893-896.	1.6	6
16	Investigations on hydrogen isotope ratios of endogenous urinary steroids: reference-population-based thresholds and proof-of-concept. <i>Drug Testing and Analysis</i> , 2012, 4, 717-727.	1.6	32
17	Pitfalls and New Mechanisms in Moss Isotope Biomonitoring of Atmospheric Nitrogen Deposition. <i>Environmental Science & Technology</i> , 2012, 46, 12557-12566.	4.6	27
18	Reporting Stable-Isotope Ratios in Ecology: Recommended Terminology, Guidelines and Best Practices. <i>Waterbirds</i> , 2012, 35, 324.	0.2	127
19	Solution Speciation Controls Mercury Isotope Fractionation of Hg(II) Sorption to Goethite. <i>Environmental Science & Technology</i> , 2012, 46, 6654-6662.	4.6	143
20	Carbon Isotope Fractionation in Reactions of 1,2-Dibromoethane with FeS and Hydrogen Sulfide. <i>Environmental Science & Technology</i> , 2012, 46, 7495-7502.	4.6	17
21	Stable Carbon Isotope Ratio Analysis of Anhydrosugars in Biomass Burning Aerosol Particles from Source Samples. <i>Environmental Science & Technology</i> , 2012, 46, 3312-3318.	4.6	37
22	Quantification of organic pollutant degradation in contaminated aquifers using compound specific stable isotope analysis – Review of recent developments. <i>Organic Geochemistry</i> , 2012, 42, 1440-1460.	0.9	177

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23	2H/1H ratio of hopanes, tricyclic and tetracyclic terpanes in oils and source rocks from the Potiguar Basin, Brazil. <i>Organic Geochemistry</i> , 2012, 51, 13-16.	0.9	3
24	Influences of $\delta^2\text{-HCG}$ administration on carbon isotope ratios of endogenous urinary steroids. <i>Steroids</i> , 2012, 77, 644-654.	0.8	6
25	Oxygen isotopic fractionation between drip water and speleothem calcite: A 10-year monitoring study, central Texas, USA. <i>Chemical Geology</i> , 2012, 304-305, 53-67.	1.4	48
26	Triple isotopic composition of oxygen in surface snow and water vapor at NEEM (Greenland). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 304-316.	1.6	82
27	Selenium as paleo-oceanographic proxy: A first assessment. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 89, 302-317.	1.6	80
28	Sulfur-33 constraints on the origin of secondary pyrite in altered oceanic basement. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 87, 323-340.	1.6	80
29	Excitation band dependence of sulfur isotope mass-independent fractionation during photochemistry of sulfur dioxide using broadband light sources. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 238-253.	1.6	75
30	Amount-ratio determinations of water isotopologues by dual-laser absorption spectrometry. <i>Physical Review A</i> , 2012, 86, .	1.0	11
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34	Dietary Heterogeneity among Western Industrialized Countries Reflected in the Stable Isotope Ratios of Human Hair. <i>PLoS ONE</i> , 2012, 7, e34234.	1.1	74
35	Variation in the Stable Carbon and Nitrogen Isotope Composition of Plants and Soil along a Precipitation Gradient in Northern China. <i>PLoS ONE</i> , 2012, 7, e51894.	1.1	87
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37	Stable isotope compositions and trace element concentrations in freshwater bivalve shells (<i>Unio</i> sp.) as indicators of environmental changes at Tiszaparki, eastern Hungary. <i>Central European Geology</i> , 2012, 55, 441-460.	0.4	5
38	Stable Isotope Applications in Bone Collagen with Emphasis on Deuterium/Hydrogen Ratios. , 2012, , .		0
39	Characterizing Vadose Zone Hydrocarbon Biodegradation Using Carbon Dioxide Effluxes, Isotopes, and Reactive Transport Modeling. <i>Vadose Zone Journal</i> , 2012, 11, vzj2011.0204.	1.3	45
40	Reconstructing Terrestrial Environments Using Stable Isotopes in Fossil Teeth and Paleosol Carbonates. <i>The Paleontological Society Papers</i> , 2012, 18, 167-194.	0.8	12

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44	Two-dimensional gas chromatography with heart-cutting for isotope ratio mass spectrometry analysis of steroids in doping control. <i>Drug Testing and Analysis</i> , 2012, 4, 962-969.	1.6	27
45	Calibration and data processing in gas chromatography combustion isotope ratio mass spectrometry. <i>Drug Testing and Analysis</i> , 2012, 4, 912-922.	1.6	28
46	Hydrogen and Oxygen Isotope Ratios in Body Water and Hair: Modeling Isotope Dynamics in Nonhuman Primates. <i>American Journal of Primatology</i> , 2012, 74, 651-660.	0.8	31
47	Current challenges in compound-specific stable isotope analysis of environmental organic contaminants. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2471-2491.	1.9	234
48	Field applicability of Compound-Specific Isotope Analysis (CSIA) for characterization and quantification of in situ contaminant degradation in aquifers. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1401-1421.	1.7	67
49	USGS42 and USGS43: Human-hair stable hydrogen and oxygen isotopic reference materials and analytical methods for forensic science and implications for published measurement results. <i>Forensic Science International</i> , 2012, 214, 135-141.	1.3	73
50	Carbon isotope variation in shrub willow (<i>Salix</i> spp.) ring-wood as an indicator of long-term water status, growth and survival. <i>Biomass and Bioenergy</i> , 2012, 36, 316-326.	2.9	25
51	Molecular effects of ER alpha- and beta-selective agonists on regulation of energy homeostasis in obese female Wistar rats. <i>Molecular and Cellular Endocrinology</i> , 2013, 377, 147-158.	1.6	57
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55	Normalization procedures and reference material selection in stable HCNOS isotope analyses: an overview. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2815-2823.	1.9	146
56	Carbon and nitrogen isotope analysis of atrazine and desethylatrazine at sub-microgram per liter concentrations in groundwater. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2857-2867.	1.9	52
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58	Environmental control on eastern broadleaf forest species' leaf wax distributions and D/H ratios. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 111, 64-77.	1.6	145

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59	Biogeochemical behavior of organic carbon in a small tropical river and estuary, Hainan, China. <i>Continental Shelf Research</i> , 2013, 57, 32-43.	0.9	42
60	Diet of harbor porpoises along the Dutch coast: A combined stable isotope and stomach contents approach. <i>Marine Mammal Science</i> , 2013, 29, E295.	0.9	23
61	Influence of mass transfer on stable isotope fractionation. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 441-452.	1.7	65
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63	Proposal for an International Molybdenum Isotope Measurement Standard and Data Representation. <i>Geostandards and Geoanalytical Research</i> , 2014, 38, 149-151.	1.7	96
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65	Oxygen isotope-salinity relationships of discrete oceanic regions from India to Antarctica vis-À-vis surface hydrological processes. <i>Journal of Marine Systems</i> , 2013, 113-114, 88-93.	0.9	22
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68	The straight dope on isotopes. <i>Nature Chemistry</i> , 2013, 5, 979-981.	6.6	5
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70	A novel methodological approach for ^{18}O analysis of sugars using gas chromatography-pyrolysis-isotope ratio mass spectrometry. <i>Isotopes in Environmental and Health Studies</i> , 2013, 49, 492-502.	0.5	12
71	Combination of carbon isotope ratio with hydrogen isotope ratio determinations in sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5455-5466.	1.9	36
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73	Effect of changes in the deuterium content of drinking water on the hydrogen isotope ratio of urinary steroids in the context of sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2911-2921.	1.9	2
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77	Probing the unusual isotope effects in ozone formation: Bath gas and pressure dependence of the non-mass-dependent isotope enrichments in ozone. <i>Chemical Physics Letters</i> , 2013, 556, 1-8.	1.2	21
78	Tracing the flow of carbon dioxide and water vapor between the biosphere and atmosphere: A review of optical isotope techniques and their application. <i>Agricultural and Forest Meteorology</i> , 2013, 174-175, 85-109.	1.9	97
79	Sources of natural gases in Middle Cambrian reservoirs in Polish and Lithuanian Baltic Basin as determined by stable isotopes and hydrous pyrolysis of Lower Palaeozoic source rocks. <i>Chemical Geology</i> , 2013, 345, 62-76.	1.4	49
80	Influence of precursor solvent extraction on stable isotope signatures of methylamphetamine prepared from over-the-counter medicines using the Moscow and Hypophosphorous routes. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2931-2941.	1.9	8
81	Stable hydrogen and oxygen isotopes in aquatic food webs are tracers of diet and provenance. <i>Functional Ecology</i> , 2013, 27, 535-543.	1.7	89
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83	Stable Isotope Analysis. <i>Comprehensive Analytical Chemistry</i> , 2013, 60, 77-99.	0.7	9
84	Stable carbon isotopic ratio measurement of polycyclic aromatic hydrocarbons as a tool for source identification and apportionment—A review of analytical methodologies. <i>Talanta</i> , 2013, 105, 435-450.	2.9	41
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89	Contribution of isotopologue self-shielding to sulfur mass-independent fractionation during sulfur dioxide photolysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2444-2454.	1.2	78
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93	Demonstration of Compound-Specific Isotope Analysis of Hydrogen Isotope Ratios in Chlorinated Ethenes. <i>Environmental Science & Technology</i> , 2013, 47, 1461-1467.	4.6	24
94	Definitions of terms relating to mass spectrometry (IUPAC Recommendations 2013). <i>Pure and Applied Chemistry</i> , 2013, 85, 1515-1609.	0.9	305

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95	Effects of clay minerals and biosurfactants on isotopic and molecular characteristics of methane engaged in pressure vessel gas hydrates. <i>Organic Geochemistry</i> , 2013, 60, 83-92.	0.9	3
96	Distribution of methane and carbon dioxide concentrations in the near-surface zone and their genetic characterization at the abandoned Nowa Ruda coal mine (Lower Silesian Coal Basin, SW) Tj ETQq1 1.0.7843143gBT /O	1.0	14
97	3D-CSIA: Carbon, Chlorine, and Hydrogen Isotope Fractionation in Transformation of TCE to Ethene by a <i>Dehalococcoides</i> Culture. <i>Environmental Science & Technology</i> , 2013, 47, 9668-9677.	4.6	77
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99	Decadal time series of tropospheric abundance of N ₂ O isotopomers and isotopologues in the Northern Hemisphere obtained by the long-term observation at Hateruma Island, Japan. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3369-3381.	1.2	38
100	Critique: measuring hydrogen stable isotope abundance of proteins to infer origins of wildlife, food and people. <i>Bioanalysis</i> , 2013, 5, 751-767.	0.6	68
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105	⁴⁶ USGS Greenland Ice Core Water – A New Isotopic Reference Material for ² H and ¹⁸ O Measurements of Water. <i>Geostandards and Geoanalytical Research</i> , 2014, 38, 153-157.	1.7	5
106	Atomic weights of the elements 2011 (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2013, 85, 1047-1078.	0.9	348
107	Ammonium first: natural mosses prefer atmospheric ammonium but vary utilization of dissolved organic nitrogen depending on habitat and nitrogen deposition. <i>New Phytologist</i> , 2013, 199, 407-419.	3.5	63
108	Analytical challenges in the quantitative determination of ² H/ ¹ H ratios of methyl iodide. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 430-436.	0.7	9
109	Isotopic composition of atmospheric nitrate in a tropical marine boundary layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17668-17673.	3.3	76
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111	The role of hydrodynamics in structuring in situ ammonium uptake within a submerged macrophyte community. <i>Limnology & Oceanography Fluids & Environments</i> , 2013, 3, 210-224.	1.7	19
112	Processes affecting greenhouse gas production in experimental boreal reservoirs. <i>Global Biogeochemical Cycles</i> , 2013, 27, 567-577.	1.9	24

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113	Advances in Isotope Ratio Mass Spectrometry and Required Isotope Reference Materials. <i>Mass Spectrometry</i> , 2013, 2, S0020-S0020.	0.2	4
115	Enhanced bacterial decomposition with increasing addition of autochthonous to allochthonous carbon without any effect on bacterial community composition. <i>Biogeosciences</i> , 2014, 11, 1479-1489.	1.3	61
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118	Assessment of international reference materials for isotope-ratio analysis (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2014, 86, 425-467.	0.9	491
119	Seasonal differences of stable isotope composition and lipid content in four bivalve species from the Adriatic Sea. <i>Marine Biology Research</i> , 2014, 10, 625-634.	0.3	17
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125	Sulphur isotopes in the central Namib Desert ecosystem. <i>Transactions of the Royal Society of South Africa</i> , 2014, 69, 217-223.	0.8	1
126	Field-Based Stable Isotope Analysis of Carbon Dioxide by Mid-Infrared Laser Spectroscopy for Carbon Capture and Storage Monitoring. <i>Analytical Chemistry</i> , 2014, 86, 12191-12198.	3.2	49
127	Spatial, seasonal, and source variability in the stable oxygen and hydrogen isotopic composition of tap waters throughout the USA. <i>Hydrological Processes</i> , 2014, 28, 5382-5422.	1.1	71
128	Gas Source Isotope Ratio Mass Spectrometry (IRMS). <i>New Developments in Mass Spectrometry</i> , 2014, , 500-549.	0.2	4
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130	Instrumental Isotopic Fractionation. <i>New Developments in Mass Spectrometry</i> , 2014, , 107-120.	0.2	2
131	Lake Louise Water (USGS47): A new isotopic reference water for stable hydrogen and oxygen isotope measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 351-354.	0.7	10

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132	Ignoring IUPAC guidelines for measurement and reporting of stable isotope abundance values affects us all. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1953-1955.	0.7	43
133	Terms and acronyms that should be avoided in mass spectrometry publications. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1853-1854.	0.7	2
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137	Stable isotopes reveal rail-associated behavior in a threatened carnivore. <i>Isotopes in Environmental and Health Studies</i> , 2014, 50, 322-331.	0.5	23
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139	Small-scale studies of roasted ore waste reveal extreme ranges of stable mercury isotope signatures. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 137, 1-17.	1.6	33
140	Si stable isotope fractionation during adsorption and the competition between kinetic and equilibrium isotope fractionation: Implications for weathering systems. <i>Chemical Geology</i> , 2014, 380, 161-171.	1.4	78
141	Variability of Stable Isotope Fingerprints of the Serpulid <i>Ficopomatus enigmaticus</i> Within a Permanently Stratified Estuary: Implications for (Palaeo)environmental Interpretations. <i>Estuaries and Coasts</i> , 2014, 37, 436-448.	1.0	5
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145	Determination of $^{13}\text{C}/^{12}\text{C}$ ratios of endogenous urinary 5-aminimidazole-4-carboxamide β -ribofuranoside (AICAR). <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1194-1202.	0.7	22
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