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Forensics publications
(most recent at top)

1. Howa JD, Lott MJ, Chesson LA, & Ehleringer JR (2014) Carbon and nitrogen isotope ratios of factory-produced RDX and HMX. *Forensic Science International*. Available online, http://dx.doi.org/doi:10.1016/j.forsciint.2014.04.013.
2. Berry R, Bartelink EJ, & Chesson LA (2014) Chapter 17: Stable isotopes and human provenancing. In *Advances in human forensic identification*, Mallett X & Blythe T, editors. (Taylor & Francis Group).
3. Chesson LA, Tipple BJ, Howa JD, Bowen GJ, Barnette JE, Cerling TE, & Ehleringer JR (2014) 12.24: Stable isotopes in forensic applications. In *Treatise on Geochemistry, 2nd Edition,* Cerling TE, volume editor. (Elsevier).
4. Tipple BJ, Chau TH, Chesson LA, Fernandez DP, & Ehleringer JR (2013) Isolation of strontium pools and isotope ratios in human hair. *Analytica Chimica Acta* 798:64-73.
5. Chesson LA, Tipple BJ, Erkkila BR, & Ehleringer JR (2013) Hydrogen and oxygen stable isotope analysis of pollen collected from honey. *Grana* 52:305-315.
6. Uno KT, Quade J, Fisher DC, Wittemyer G, Douglas–Hamilton I, Andanje SA, Omondi P, Litoroh M, & Cerling TE (2013) Bomb–curve radiocarbon (^{14}C) dating of recent biologic tissues and applications to stable isotope (paleo)ecology and wildlife forensics. *Proceedings of the National Academy of Sciences*. Available online, doi/10.1073/pnas.1302226110.
7. Chesson LA, Tipple BJ, Mackey GN, Hynek SA, Fernandez DP, & Ehleringer JR (2012) Strontium isotopes in tap water from the coterminous USA. *Ecosphere* 3(7):67. Available online, http://dx.doi.org/10.1890/ES12-00122.1.
8. Tipple BJ, Chesson LA, Erkkila BR, Cerling TE, & Ehleringer JR (2012) B-HIVE: Beeswax hydrogen isotopes as validation of environment, part II. Compound-specific hydrogen isotope analysis. *Food Chemistry* 134:494-501.
9. Podlesak DW, Bowen GJ, O'Grady SP, Cerling TE, & Ehleringer JR (2012) δ^2H and $\delta^{18}O$ of human body water: A GIS model to distinguish residents from non-residents in the contiguous USA. *Isotopes in Environmental and Health Studies* 48:259-279.
10. Valenzuela LO, Chesson LA, Bowen GJ, Cerling TE, & Ehleringer JR (2012) Dietary heterogeneity among western industrialized countries reflected in the stable isotope ratios of human hair. *PLoS ONE* 7(3):e34234. Available online, doi:10.1371/journal.pone.0034234.
11. O'Grady SP, Valenzuela LO, Remien CH, Enright LE, Jorgensen MJ, Kaplan JR, Wagner JD, Cerling TE, & Ehleringer JR (2012) Hydrogen and oxygen isotope ratios in body water and hair: Modeling isotope dynamics in nonhuman primates. *American Journal of Primatology* 74:651–660.
12. Barnette JE, Lott MJ, Howa JD, Podlesak DW, & Ehleringer JR (2011) Hydrogen and oxygen isotope values in hydrogen peroxide. *Rapid Communications in Mass Spectrometry* 25:1422-1428.

13. Ehleringer JR, Casale JF, Barnette JE, Xu X, Lott MJ, & Hurley J (2011) ^{14}C calibration curves for modern plant material from tropical regions of South America. *Radiocarbon* 53:585-594.
14. Ehleringer JR, Casale JF, Barnette JE, Xu X, Lott MJ, and Hurley J (2011) ^{14}C analyses quantify time lag between coca leaf harvest and street-level seizure of cocaine. *Forensic Science International* 214:7-12.
15. Chesson LA, Valenzuela LO, Bowen GJ, Cerling TE, & Ehleringer JR (2011) Consistent predictable patterns in the hydrogen and oxygen stable isotope ratios of animal proteins consumed by modern humans in the USA. *Rapid Communications in Mass Spectrometry* 25:3713-3722.
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17. Chesson LA, Ehleringer JR, & Cerling TE. (2011) Chapter 38: Light-element isotopes (H, C, N, and O) as tracers of human diet: A case study on fast food meals. In *Handbook for Environmental Isotope Geochemistry*, Baskaran M, editor. (Springer).
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22. Chesson LA, Valenzuela LO, O'Grady SP, Cerling TE, & Ehleringer JR (2010) Hydrogen and oxygen stable isotope ratios of milk in the USA. *Journal of Agricultural and Food Chemistry* 58:2358-2363.
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28. O'Grady SP, Remien CH, Wende AR, Valenzuela LO, Enright LE, Chesson LA, Abel ED, Cerling TE, & Ehleringer JR (2010) Aberrant water homeostasis detected by stable isotope analysis. *PLoS ONE* 5(7): e11699. Available online, doi:10.1371/journal.pone.0011699.
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45. Bowen GJ, Winter DA, Spero HJ, Zierenberg RA, Reeder MD, Cerling TE, & Ehleringer JR (2005) Stable hydrogen and oxygen isotope ratios of bottled waters of the world. *Rapid Communications in Mass Spectrometry* 19:3442–3450.