

Michael J Lott

List of Publications by Year in descending order

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25
papers

815
citations

567281

15
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	TATP isotope ratios as influenced by worldwide acetone variation. <i>Talanta</i> , 2018, 181, 125-131.	5.5	18
2	Applying the principles of isotope analysis in plant and animal ecology to forensic science in the Americas. <i>Oecologia</i> , 2018, 187, 1077-1094.	2.0	22
3	Isolation of components of plastic explosives for isotope ratio mass spectrometry. <i>Forensic Chemistry</i> , 2016, 1, 6-12.	2.8	16
4	Development of a methodological framework for applying isotope ratio mass spectrometry to explosive components. <i>Forensic Chemistry</i> , 2016, 2, 9-14.	2.8	17
5	Improved accuracy and precision in $\delta^{15}\text{N}_{\text{AIR}}$ measurements of explosives, urea, and inorganic nitrates by elemental analyzer/isotope ratio mass spectrometry using thermal decomposition. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1381-1388.	1.5	14
6	Isolation and stable nitrogen isotope analysis of ammonium ions in ammonium nitrate pills using sodium tetraphenylborate. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1530-1534.	1.5	21
7	Carbon and nitrogen isotope ratios of factory-produced RDX and HMX. <i>Forensic Science International</i> , 2014, 240, 80-87.	2.2	33
8	Observations and sources of carbon and nitrogen isotope ratio variation of pentaerythritol tetranitrate (PETN). <i>Forensic Science International</i> , 2014, 244, 152-157.	2.2	20
9	^{14}C analyses quantify time lag between coca leaf harvest and street-level seizure of cocaine. <i>Forensic Science International</i> , 2012, 214, 7-12.	2.2	17
10	Detection of Metabolic Fluxes of O and H Atoms into Intracellular Water in Mammalian Cells. <i>PLoS ONE</i> , 2012, 7, e39685.	2.5	21
11	^{14}C Calibration Curves for Modern Plant Material from Tropical Regions of South America. <i>Radiocarbon</i> , 2011, 53, 585-594.	1.8	11
12	Hydrogen and oxygen isotope values in hydrogen peroxide. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1422-1428.	1.5	22
13	Metabolic Processes Account for the Majority of the Intracellular Water in Log-Phase <i>Escherichia coli</i> Cells As Revealed by Hydrogen Isotopes. <i>Biochemistry</i> , 2006, 45, 13622-13630.	2.5	72
14	Stable Isotope Ratios as a Tool in Microbial Forensics—Part 3. Effect of Culturing on Agar-containing Growth Media. <i>Journal of Forensic Sciences</i> , 2005, 50, 1-8.	1.6	16
15	Isotopic Fractionation of Carbon and Nitrogen During the Illicit Processing of Cocaine and Heroin in South America. <i>Journal of Forensic Sciences</i> , 2005, 50, 1-7.	1.6	30
16	Isotopic fractionation of carbon and nitrogen during the illicit processing of cocaine and heroin in South America. <i>Journal of Forensic Sciences</i> , 2005, 50, 1315-21.	1.6	10
17	Stable isotope ratios as a tool in microbial forensics—part 3. Effect of culturing on agar-containing growth media. <i>Journal of Forensic Sciences</i> , 2005, 50, 1372-9.	1.6	3
18	Stable Isotope Ratios as a Tool in Microbial Forensics—Part 1. Microbial Isotopic Composition as a Function of Growth Medium. <i>Journal of Forensic Sciences</i> , 2004, 49, 1-7.	1.6	15

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19	Stable Isotope Ratios as a Tool in Microbial Forensics Part 2. Isotopic Variation Among Different Growth Media as a Tool for Sourcing Origins of Bacterial Cells or Spores. Journal of Forensic Sciences, 2004, 49, 1-7.	1.6	11
20	Stable isotope ratios as a tool in microbial forensics--Part 1. Microbial isotopic composition as a function of growth medium. Journal of Forensic Sciences, 2004, 49, 954-60.	1.6	21
21	Stable isotope ratios as a tool in microbial forensics--Part 2. Isotopic variation among different growth media as a tool for sourcing origins of bacterial cells or spores. Journal of Forensic Sciences, 2004, 49, 961-7.	1.6	20
22	Microbe forensics: Oxygen and hydrogen stable isotope ratios in Bacillus subtilis cells and spores. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 815-819.	7.1	90
23	Rapid ^{18}O analysis of small water and CO_2 samples using a continuous-flow isotope ratio mass spectrometer. Rapid Communications in Mass Spectrometry, 2002, 16, 1257-1260.	1.5	35
24	Tracing the geographical origin of cocaine. Nature, 2000, 408, 311-312.	27.8	162
25	Geo-location of heroin and cocaine by stable isotope ratios. Forensic Science International, 1999, 106, 27-35.	2.2	98