

# 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	Tracing the geographical origin of cocaine. <i>Nature</i> , 2000, 408, 311-312.	27.8	162
2	Geo-location of heroin and cocaine by stable isotope ratios. <i>Forensic Science International</i> , 1999, 106, 27-35.	2.2	98
3	Microbe forensics: Oxygen and hydrogen stable isotope ratios in <i>Bacillus subtilis</i> cells and spores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 815-819.	7.1	90
4	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
5	Rapid $^{18}\text{O}$ analysis of small water and $\text{CO}_2$ samples using a continuous-flow isotope ratio mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1257-1260.	1.5	35
6	Carbon and nitrogen isotope ratios of factory-produced RDX and HMX. <i>Forensic Science International</i> , 2014, 240, 80-87.	2.2	33
7	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
8	Hydrogen and oxygen isotope values in hydrogen peroxide. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1422-1428.	1.5	22
9	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
10	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
11	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
12	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, 954-60.	1.6	21
13	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
14	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. <i>Journal of Forensic Sciences</i> , 2004, 49, 961-7.	1.6	20
15	TATP isotope ratios as influenced by worldwide acetone variation. <i>Talanta</i> , 2018, 181, 125-131.	5.5	18
16	$^{14}\text{C}$ 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
17	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
18	Isolation of components of plastic explosives for isotope ratio mass spectrometry. <i>Forensic Chemistry</i> , 2016, 1, 6-12.	2.8	16

#	ARTICLE	IF	CITATIONS
19	Stable Isotope Ratios as a Tool in Microbial Forensicsâ€™Part 3. Effect of Culturing on Agar-containing Growth Media. Journal of Forensic Sciences, 2005, 50, 1-8.	1.6	16
20	Stable Isotope Ratios as a Tool in Microbial Forensicsâ€™Part 1. Microbial Isotopic Composition as a Function of Growth Medium. Journal of Forensic Sciences, 2004, 49, 1-7.	1.6	15
21	Improved accuracy and precision in $\delta^{15}\text{N}$ measurements of explosives, urea, and inorganic nitrates by elemental analyzer/isotope ratio mass spectrometry using thermal decomposition. Rapid Communications in Mass Spectrometry, 2015, 29, 1381-1388.	1.5	14
22	$\delta^{14}\text{C}$ Calibration Curves for Modern Plant Material from Tropical Regions of South America. Radiocarbon, 2011, 53, 585-594.	1.8	11
23	Stable Isotope Ratios as a Tool in Microbial Forensicsâ€™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
24	Isotopic fractionation of carbon and nitrogen during the illicit processing of cocaine and heroin in South America. Journal of Forensic Sciences, 2005, 50, 1315-21.	1.6	10
25	Stable isotope ratios as a tool in microbial forensics--part 3. Effect of culturing on agar-containing growth media. Journal of Forensic Sciences, 2005, 50, 1372-9.	1.6	3