Brian W Ticknor

List of Publications by Year
in descending order

28 papers	597 citations	687363 13 h-index	610901 24 g-index
30 all docs	30 docs citations	30 times ranked	606 citing authors

#	Article	IF	Citations
1	Improved uranium isotopic ratio determinations for the liquid sampling-atmospheric pressure glow discharge orbitrap mass spectrometer by use of moving average processing. Journal of Analytical Atomic Spectrometry, 2022, 37, 814-822.	3.0	5
2	Direct isotopic analysis of solid uranium particulates on cotton swipes by microextraction-ICP-MS. Analytica Chimica Acta, 2022, 1209, 339836.	5.4	10
3	Determination of phosphorus and sulfur in uranium ore concentrates by triple quadrupole inductively coupled plasma mass spectrometry. Talanta, 2021, 221, 121573.	5.5	13
4	Trace Elemental Analysis of Bulk Thorium Using an Automated Separationâ€“Inductively Coupled Plasma Optical Emission Spectroscopy Methodology. Applied Spectroscopy, 2021, 75, 556-564.	2.2	2
5	Direct analysis of cotton swipes for plutonium isotope determination by microextraction-ICP-MS. Journal of Analytical Atomic Spectrometry, 2021, 36, 2202-2209.	3.0	9
6	Exploring the use of thorium isotope compositions and concentrations as nuclear forensic signatures for uranium ore concentrates. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 877-889.	1.5	5
7	An approach to separating Pu, U, and Ti from high-purity graphite for isotopic analysis by MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2021, 36, 1150-1158.	3.0	3
8	Rapid and automated separation of uranium ore concentrates for trace element analysis by inductively coupled plasma â€“ optical emission spectroscopy/triple quadrupole mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 179, 106097.	2.9	16
9	Direct Uranium Isotopic Analysis of Swipe Surfaces by Microextraction-ICP-MS. Analytical Chemistry, 2021, 93, 11133-11139.	6.5	9
10	Exploration of ICP platforms for measuring elemental impurities in uranium ore concentrates. International Journal of Mass Spectrometry, 2020, 455, 116378.	1.5	6
11	Rapid Determination of Uranium Isotopic Abundance from Cotton Swipes: Direct Extraction via a Planar Surface Reader and Coupling to a Microplasma Ionization Source. Analytical Chemistry, 2020, 92, 8591-8598.	6.5	20
12	Determining P, S, Br, and I content in uranium by triple quadrupole inductively coupled plasma mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 395-402.	1.5	11
13	Rare Earth Element Determination in Uranium Ore Concentrates Using Online and Offline Chromatography Coupled to ICP-MS. Minerals (Basel, Switzerland), 2020, 10, 55.	2.0	21
14	A NanoSIMS 50 L Investigation into Improving the Precision and Accuracy of the 235U/238U Ratio Determination by Using the Molecular 235U16O and 238U16O Secondary Ions. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	2.0	
15	Evaluation and Specifications for In-Line Uranium Separations Using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) Detection for Trace Elemental Analysis. Applied Spectroscopy, 2019, 73, 927-935.	2.2	11
16	Optimization of uranium and plutonium separations using TEVA and UTEVA cartridges for MC-ICP-MS analysis of environmental swipe samples. Talanta, 2019, 198, 257-262.	5.5	29
17	Trace impurity analysis in uranium oxide via hybrid quantification techniquesâ€”gravimetric standard addition and isotope dilution mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 685-694.	1.5	11
18	Automated Separation of Uranium and Plutonium from Environmental Swipe Samples for Multiple Collector Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2018, 90, 9441-9448.	6.5	29

#	Article	IF	Citations
19	Nd and Sm isotopic composition of spent nuclear fuels from three material test reactors. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 801-808.	1.5	5
20	Rapid analysis of trinitite with nuclear forensic applications for post-detonation material analyses. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 57-67.	1.5	25
21	Rapid separation and purification of uranium and plutonium from dilute-matrix samples. Journal of Radioanalytical and Nuclear Chemistry, 2014, 300, 859-866.	1.5	8
22	The structure of protonated acetone and its dimer: infrared photodissociation spectroscopy from 800 to 4000 cm^{â^'1}. Physical Chemistry Chemical Physics, 2008, 10, 77-79.	2.8	41
23	Photodissociation of Noble Metal-Doped Carbon Clusters. Journal of Physical Chemistry A, 2008, 112, 12355-12366.	2.5	41
24	Infrared Photodissociation Spectroscopy of Protonated Acetylene and Its Clusters. Journal of Physical Chemistry A, 2008, 112, 1897-1906.	2.5	70
25	Structure of Protonated Carbon Dioxide Clusters:â€‰ Infrared Photodissociation Spectroscopy and ab Initio Calculations. Journal of Physical Chemistry A, 2008, 112, 950-959.	2.5	44
26	Infrared Spectroscopy of thetert-Butyl Cation in the Gas Phase. Journal of the American Chemical Society, 2007, 129, 13782-13783.	13.7	48
27	Ionization Thresholds of Small Carbon Clusters:â€‰ Tunable VUV Experiments and Theory. Journal of the American Chemical Society, 2007, 129, 10229-10243.	13.7	82
28	Photodissociation of silicon carbide cluster cations. Chemical Physics Letters, 2005, 405, 214-219.	2.6	15