

Julian F Tyson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

1,413
citations

21
h-index

35
g-index

56
ext. papers

1,518
ext. citations

3.5
avg, IF

4.42
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 55 | Atomic spectrometry update: review of advances in the analysis of clinical and biological materials, foods and beverages. <i>Journal of Analytical Atomic Spectrometry</i> , 2022 , 37, 410-473 | 3.7 | 3 |
| 54 | Integrating the Gutzeit method with X-Ray fluorescence spectroscopy for rapid quantification of inorganic arsenic in selected beverages. <i>Food Control</i> , 2021 , 121, 107588 | 6.2 | 2 |
| 53 | Atomic spectrometry update: review of advances in the analysis of clinical and biological materials, foods and beverages. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 452-511 | 3.7 | 12 |
| 52 | Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1326-1373 | 3.7 | 9 |
| 51 | Atomic spectrometry update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 1236-1278 | 3.7 | 12 |
| 50 | Atomic Spectrometry Update: a review of advances in environmental analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 9-58 | 3.7 | 22 |
| 49 | Atomic spectrometry update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 1306-1350 | 3.7 | 25 |
| 48 | Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1103-1149 | 3.7 | 22 |
| 47 | Arsenic in Food and Water: Promoting Awareness through Formal and Informal Learning. <i>ACS Symposium Series</i> , 2017 , 83-97 | 0.4 | 1 |
| 46 | Atomic spectrometry update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1239-1282 | 3.7 | 13 |
| 45 | Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 1330-1373 | 3.7 | 9 |
| 44 | Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1427-1468 | 3.7 | 15 |
| 43 | Fostering spatial skill acquisition by general chemistry students. <i>Chemistry Education Research and Practice</i> , 2015 , 16, 478-517 | 2.1 | 18 |
| 42 | Non-chromatographic speciation of inorganic arsenic by atomic fluorescence spectrometry with flow injection hydride generation with a tetrahydroborate-form anion-exchanger. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 665-673 | 3.7 | 17 |
| 41 | Atomic spectrometry updates. Review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 1158 | 3.7 | 21 |
| 40 | Atomic spectrometry update. Elemental speciation review. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 1153 | 3.7 | 17 |
| 39 | Determination of inorganic arsenic in water by a quartz crystal microbalance. <i>Analytical Methods</i> , 2013 , 5, 6286 | 3.2 | 4 |

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| 38 | Dispersive liquid-liquid microextraction and microsample injection system coupled with inductively coupled plasma-mass spectrometry for inorganic arsenic speciation in natural waters. <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 1065-1073 | 1.8 | 13 |
| 37 | Trace determination of total mercury in rice by conventional inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 259-265 | 3.7 | 21 |
| 36 | The Determination of Arsenic Compounds: A Critical Review 2013 , 2013, 1-24 | | 26 |
| 35 | Improving the accuracy and precision of an arsenic field test kit: increased reaction time and digital image analysis. <i>Analytical Methods</i> , 2012 , 4, 1693 | 3.2 | 14 |
| 34 | Atomic spectrometry update. Elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 1185 | 3.7 | 22 |
| 33 | Atomic spectrometry update. Elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 1561 | 3.7 | 33 |
| 32 | Atomic spectrometry update. Elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1185 | 3.7 | 18 |
| 31 | Atomic Spectrometry Update. Elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 999 | 3.7 | 25 |
| 30 | Determination of four arsenic species in soil by sequential extraction and high performance liquid chromatography with post-column hydride generation and inductively coupled plasma optical emission spectrometry detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 376 | 3.7 | 28 |
| 29 | Atomic spectrometry update. Advances in atomic emission, absorption, and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 889 | 3.7 | 15 |
| 28 | Determination of lead by hydride generation atom trapping flame atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 223-228 | 3.7 | 19 |
| 27 | High throughput sample introduction system for the analysis of drinking waters and wastewaters by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 1204 | 3.7 | 19 |
| 26 | Insights into the Chemical Biology of Selenium. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008 , 183, 924-930 | 1 | 6 |
| 25 | Determination of trace elements in siliceous samples by ICP-MS after precipitation of silicon as sodium fluorosilicate. <i>Mikrochimica Acta</i> , 2008 , 160, 219-225 | 5.8 | 6 |
| 24 | Determination of selenium by flow injection hydride generation inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 298-304 | 3.7 | 19 |
| 23 | Speciation, quantification and stability of selenomethionine, S-(methylseleno)cysteine and selenomethionine Se-oxide in yeast-based nutritional supplements. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 938 | 3.7 | 23 |
| 22 | Simultaneous speciation of arsenic and selenium in human urine by high-performance liquid chromatography inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 931 | 3.7 | 33 |
| 21 | Real and composite emission lines as internal standards in the determination of As, Se and Sb by inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 377 | 3.7 | 10 |

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|----|--|-----|-----|
| 20 | Influences of Cadmium and Zinc Interaction and Humic Acid on Metal Accumulation in <i>Ceratophyllum Demersum</i> . <i>Water, Air, and Soil Pollution</i> , 2007 , 180, 225-235 | 2.6 | 30 |
| 19 | Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 663 | 3.7 | 16 |
| 18 | Determination of antimony by atomic absorption spectrometry with flow injection hydride generation by a tetrahydroborate-form anion-exchanger. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 757 | 3.7 | 16 |
| 17 | Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 592 | 3.7 | 16 |
| 16 | Determination of lead by flow injection hydride generation atomic absorption spectrometry with tetrahydroborate immobilized on an anion-exchange resin. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 282 | 3.7 | 34 |
| 15 | Determination of cadmium by flow injection atomic absorption spectrometry with cold vapor generation by a tetrahydroborate-form anion-exchanger. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 273 | 3.7 | 23 |
| 14 | Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 562 | 3.7 | 33 |
| 13 | Element selective characterization of stability and reactivity of selenium species in selenized yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 65 | 3.7 | 49 |
| 12 | Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 775 | 3.7 | 22 |
| 11 | Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2003 , 18, 808 | 3.7 | 28 |
| 10 | Evaluation of two flow injection systems for mercury speciation analysis in fish tissue samples by slurry sampling cold vapor atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2003 , 18, 268-273 | 3.7 | 23 |
| 9 | Advances in atomic emission, absorption and fluorescence spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 622-651 | 3.7 | 9 |
| 8 | Anticarcinogenic Organoselenium Compounds - Chromatographic, Atomic and Molecular Mass Spectral Speciation. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2001 , 171, 31-56 | 1 | 5 |
| 7 | Atomic Spectrometry Update. Advances in atomic emission, absorption, and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2001 , 16, 672-711 | 3.7 | 13 |
| 6 | Microwave-assisted extraction of monomethyl arsonic acid from soil and sediment standard reference materials. <i>Analyst, The</i> , 2001 , 126, 1511-1518 | 5 | 18 |
| 5 | Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2000 , 15, 763-805 | 3.7 | 16 |
| 4 | Selenium speciation in enriched and natural samples by HPLC-ICP-MS and HPLC-ESI-MS with perfluorinated carboxylic acid ion-pairing agents. <i>Analyst, The</i> , 2000 , 125, 71-8 | 5 | 204 |
| 3 | Chemical speciation influences comparative activity of selenium-enriched garlic and yeast in mammary cancer prevention. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 2062-70 | 5.7 | 237 |

- 2 Analytical selenoamino acid studies by chromatography with interfaced atomic mass spectrometry and atomic emission spectral detection. *Fresenius Journal of Analytical Chemistry*, **1998**, 362, 447-456 48
- 1 Development of Measurement Technologies for Low-Cost, Reliable, Rapid, On-Site Determination of Arsenic Compounds in Water 147-177