

# Julian F Tyson

## List of Publications by Citations

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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	Chemical speciation influences comparative activity of selenium-enriched garlic and yeast in mammary cancer prevention. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 2062-70	5.7	237
54	Selenium speciation in enriched and natural samples by HPLC-ICP-MS and HPLC-ESI-MS with perfluorinated carboxylic acid ion-pairing agents. <i>Analyt, The</i> , <b>2000</b> , 125, 71-8	5	204
53	Element selective characterization of stability and reactivity of selenium species in selenized yeast. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2004</b> , 19, 65	3.7	49
52	Analytical selenoamino acid studies by chromatography with interfaced atomic mass spectrometry and atomic emission spectral detection. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1998</b> , 362, 447-456		48
51	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> , <b>2005</b> , 20, 282	3.7	34
50	Atomic spectrometry update. Elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2011</b> , 26, 1561	3.7	33
49	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> , <b>2007</b> , 22, 931	3.7	33
48	Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2005</b> , 20, 562	3.7	33
47	Influences of Cadmium and Zinc Interaction and Humic Acid on Metal Accumulation in <i>Ceratophyllum Demersum</i> . <i>Water, Air, and Soil Pollution</i> , <b>2007</b> , 180, 225-235	2.6	30
46	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> , <b>2009</b> , 24, 376	3.7	28
45	Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2003</b> , 18, 808	3.7	28
44	The Determination of Arsenic Compounds: A Critical Review <b>2013</b> , 2013, 1-24		26
43	Atomic spectrometry update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 1306-1350	3.7	25
42	Atomic Spectrometry Update. Elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2009</b> , 24, 999	3.7	25
41	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> , <b>2007</b> , 22, 938	3.7	23
40	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> , <b>2005</b> , 20, 273	3.7	23
39	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> , <b>2003</b> , 18, 268-273	3.7	23

38	Atomic Spectrometry Update: a review of advances in environmental analysis. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 9-58	3.7	22
37	Atomic spectrometry update. Elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2012</b> , 27, 1185	3.7	22
36	Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2004</b> , 19, 775	3.7	22
35	Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1103-1149	3.7	22
34	Atomic spectrometry updates. Review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 1158	3.7	21
33	Trace determination of total mercury in rice by conventional inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2013</b> , 28, 259-265	3.7	21
32	Determination of lead by hydride generation atom trapping flame atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 223-228	3.7	19
31	High throughput sample introduction system for the analysis of drinking waters and wastewaters by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 1204	3.7	19
30	Determination of selenium by flow injection hydride generation inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2007</b> , 22, 298-304	3.7	19
29	Fostering spatial skill acquisition by general chemistry students. <i>Chemistry Education Research and Practice</i> , <b>2015</b> , 16, 478-517	2.1	18
28	Atomic spectrometry update. Elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2010</b> , 25, 1185	3.7	18
27	Microwave-assisted extraction of monomethyl arsonic acid from soil and sediment standard reference materials. <i>Analyst, The</i> , <b>2001</b> , 126, 1511-1518	5	18
26	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> , <b>2014</b> , 29, 665-673	3.7	17
25	Atomic spectrometry update. Elemental speciation review. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2013</b> , 28, 1153	3.7	17
24	Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2007</b> , 22, 663	3.7	16
23	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> , <b>2006</b> , 21, 757	3.7	16
22	Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2006</b> , 21, 592	3.7	16
21	Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2000</b> , 15, 763-805	3.7	16

20	Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 1427-1468	3.7	15
19	Atomic spectrometry update. Advances in atomic emission, absorption, and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 889	3.7	15
18	Improving the accuracy and precision of an arsenic field test kit: increased reaction time and digital image analysis. <i>Analytical Methods</i> , <b>2012</b> , 4, 1693	3.2	14
17	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> , <b>2013</b> , 93, 1065-1073	1.8	13
16	Atomic spectrometry update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 1239-1282	3.7	13
15	Atomic Spectrometry Update. Advances in atomic emission, absorption, and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 672-711	3.7	13
14	Atomic spectrometry update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2020</b> , 35, 1236-1278	3.7	12
13	Atomic spectrometry update: review of advances in the analysis of clinical and biological materials, foods and beverages. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2021</b> , 36, 452-511	3.7	12
12	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> , <b>2007</b> , 22, 377	3.7	10
11	Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 1330-1373	3.7	9
10	Advances in atomic emission, absorption and fluorescence spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2002</b> , 17, 622-651	3.7	9
9	Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2021</b> , 36, 1326-1373	3.7	9
8	Insights into the Chemical Biology of Selenium. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2008</b> , 183, 924-930	1	6
7	Determination of trace elements in siliceous samples by ICP-MS after precipitation of silicon as sodium fluorosilicate. <i>Mikrochimica Acta</i> , <b>2008</b> , 160, 219-225	5.8	6
6	Anticarcinogenic Organoselenium Compounds - Chromatographic, Atomic and Molecular Mass Spectral Speciation. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2001</b> , 171, 31-56	1	5
5	Determination of inorganic arsenic in water by a quartz crystal microbalance. <i>Analytical Methods</i> , <b>2013</b> , 5, 6286	3.2	4
4	Atomic spectrometry update: review of advances in the analysis of clinical and biological materials, foods and beverages. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2022</b> , 37, 410-473	3.7	3
3	Integrating the Gutzeit method with X-Ray fluorescence spectroscopy for rapid quantification of inorganic arsenic in selected beverages. <i>Food Control</i> , <b>2021</b> , 121, 107588	6.2	2

2	Arsenic in Food and Water: Promoting Awareness through Formal and Informal Learning. <i>ACS Symposium Series</i> , <b>2017</b> , 83-97	0.4	1
1	Development of Measurement Technologies for Low-Cost, Reliable, Rapid, On-Site Determination of Arsenic Compounds in Water147-177		