

# Andrew S Fisher

## List of Publications by Year in descending order

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72  
papers

2,358  
citations

201674

27  
h-index

233421

45  
g-index

74  
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74  
docs citations

74  
times ranked

3065  
citing authors

#	ARTICLE	IF	CITATIONS
1	The classification of tea according to region of origin using pattern recognition techniques and trace metal data. <i>Journal of Food Composition and Analysis</i> , 2003, 16, 195-211.	3.9	188
2	Preliminary study using trace element concentrations and a chemometrics approach to determine the geographical origin of tea. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 521-525.	3.0	140
3	Enhanced toxicity of 'bulk' titanium dioxide compared to 'fresh' and 'aged' nano-TiO <sub>2</sub> in marine mussels ( <i>Mytilus galloprovincialis</i> ). <i>Nanotoxicology</i> , 2014, 8, 549-558.	3.0	115
4	Metals and marine microplastics: Adsorption from the environment versus addition during manufacture, exemplified with lead. <i>Water Research</i> , 2020, 173, 115577.	11.3	94
5	Gills are an initial target of zinc oxide nanoparticles in oysters <i>Crassostrea gigas</i> , leading to mitochondrial disruption and oxidative stress. <i>Aquatic Toxicology</i> , 2014, 153, 27-38.	4.0	84
6	Determination of rare earth elements in natural water samples – A review of sample separation, preconcentration and direct methodologies. <i>Analytica Chimica Acta</i> , 2016, 935, 1-29.	5.4	80
7	Protective effects of selenium on mercury-induced DNA damage in mussel haemocytes. <i>Aquatic Toxicology</i> , 2007, 84, 11-18.	4.0	73
8	Determination of rare earth elements in seawater by inductively coupled plasma mass spectrometry with off-line column preconcentration using 2,6-diacetylpyridine functionalized Amberlite XAD-4. <i>Analytica Chimica Acta</i> , 2011, 689, 184-189.	5.4	64
9	Preconcentration and determination of trace elements with 2,6-diacetylpyridine functionalized Amberlite XAD-4 by flow injection and atomic spectroscopy. <i>Analyst</i> , 2005, 130, 1518.	3.5	56
10	Adsorption Kinetics of Platinum Group Elements in River Water. <i>Environmental Science &amp; Technology</i> , 2006, 40, 1524-1531.	10.0	56
11	Genotoxic, cytotoxic and ontogenetic effects of tri-n-butyltin on the marine worm, <i>Platynereis dumerilii</i> (Polychaeta: Nereidae). <i>Aquatic Toxicology</i> , 2002, 57, 243-255.	4.0	55
12	Selenium in water enhances antioxidant defenses and protects against copper-induced DNA damage in the blue mussel <i>Mytilus edulis</i> . <i>Aquatic Toxicology</i> , 2011, 101, 64-71.	4.0	55
13	Determination of trace heavy metals in soil and sediments by atomic spectrometry following preconcentration with Schiff bases on Amberlite XAD-4. <i>Journal of Hazardous Materials</i> , 2009, 165, 1165-1169.	12.4	53
14	Effect of Organic Co-Contaminants on Technetium and Rhenium Speciation and Solubility under Reducing Conditions. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5472-5477.	10.0	52
15	Uptake and biological responses to nano-Fe versus soluble FeCl <sub>3</sub> in excised mussel gills. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 657-666.	3.7	50
16	On-line removal of interferences in the analysis of biological materials by flow injection inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 691.	3.0	45
17	Sediment-water interactions of thallium under simulated estuarine conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6779-6787.	3.9	45
18	Evaluation of the effect of data pre-treatment procedures on classical pattern recognition and principal components analysis: a case study for the geographical classification of tea. <i>Journal of Environmental Monitoring</i> , 2001, 3, 352-360.	2.1	44

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19	Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods. <i>Analytica Chimica Acta</i> , 2001, 441, 29-36.	5.4	43
20	Comparison of some newly synthesized chemically modified Amberlite XAD-4 resins for the preconcentration and determination of trace elements by flow injection inductively coupled plasma-mass spectrometry (ICP-MS). <i>Analyst, The</i> , 2006, 131, 1232.	3.5	42
21	Extraction of trace elements by ultrasound-assisted emulsification from edible oils producing detergentless microemulsions. <i>Food Chemistry</i> , 2015, 188, 143-148.	8.2	38
22	Direct atomic spectrometric analysis by slurry atomisation. Part 10. Use of an air-ashing stage in electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1990, 5, 321.	3.0	37
23	A novel ligandless-dispersive liquid-liquid microextraction method for matrix elimination and the preconcentration of rare earth elements from natural waters. <i>Talanta</i> , 2015, 134, 476-481.	5.5	37
24	Preconcentration of Heavy Metals and Matrix Elimination using Silica Gel Chemically Modified with 2,3-Dihydroxybenzaldehyde. <i>Separation Science and Technology</i> , 2007, 42, 879-895.	2.5	36
25	Metal Pollution Assessment in Sediments of the Southeastern Black Sea Coast of Turkey. <i>Soil and Sediment Contamination</i> , 2015, 24, 290-305.	1.9	33
26	Assessment of metal concentrations in commercially important fish species in Black Sea. <i>Toxicology and Industrial Health</i> , 2016, 32, 447-456.	1.4	30
27	Determination and evaluation of element bioaccessibility in some nuts and seeds by in-vitro gastro-intestinal method. <i>Journal of Food Composition and Analysis</i> , 2016, 45, 58-65.	3.9	30
28	Flow injection determination of aluminium by spectrofluorimetric detection after complexation with N-o-vanillidine-2-amino-p-cresol: The application to natural waters. <i>Analytica Chimica Acta</i> , 2008, 611, 62-67.	5.4	29
29	Chemical interaction of atmospheric mineral dust-derived nanoparticles with natural seawater – EPS and sunlight-mediated changes. <i>Science of the Total Environment</i> , 2014, 468-469, 265-271.	8.0	27
30	Atomic Spectrometry Update – Environmental analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 1R.	3.0	25
31	Relative sensitivity of two marine bivalves for detection of genotoxic and cytotoxic effects: a field assessment in the Tamar Estuary, South West England. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 3397-3412.	2.7	25
32	Chemometric evaluation of trace metal concentrations in some nuts and seeds. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014, 31, 1529-1538.	2.3	25
33	Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 775.	3.0	24
34	Advances in atomic emission, absorption and fluorescence spectrometry, and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 763-805.	3.0	22
35	Atomic Spectrometry Updates: A 25-year retrospective. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1546.	3.0	22
36	Atomic spectrometry update: review of advances in the analysis of metals, chemicals and functional materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2114-2164.	3.0	22

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37	Atomic spectrometry update. Review of advances in the analysis of metals, chemicals and functional materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2249-2294.	3.0	21
38	Atomic spectrometry update: review of advances in the analysis of metals, chemicals and materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2159-2216.	3.0	21
39	Detergentless ultrasound-assisted extraction of trace elements from edible oils using lipase as an extractant. <i>Talanta</i> , 2015, 144, 219-225.	5.5	19
40	Atomic spectrometry update: review of advances in the analysis of metals, chemicals and materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2068-2117.	3.0	19
41	Matrix Digestion of Soil and Sediment Samples for Extraction of Lead, Cadmium and Antimony and Their Direct Determination by Inductively Coupled Plasma-Mass Spectrometry and Atomic Emission Spectrometry. <i>Mikrochimica Acta</i> , 2004, 144, 277-283.	5.0	18
42	Colloidal stability of nanoparticles derived from simulated cloud-processed mineral dusts. <i>Science of the Total Environment</i> , 2014, 466-467, 864-870.	8.0	18
43	Metallic nanoparticle enrichment at low temperature, shallow CO <sub>2</sub> seeps in Southern Italy. <i>Marine Chemistry</i> , 2012, 140-141, 24-32.	2.3	17
44	Modified Silica Gels and Their Use for the Preconcentration of Trace Elements. <i>Separation and Purification Reviews</i> , 2012, 41, 267-317.	5.5	17
45	Growth performance and starch utilization in common carp ( <i>Cyprinus carpio</i> L.) in response to dietary chromium chloride supplementation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2013, 27, 45-51.	3.0	17
46	Trace element deficiency is highly prevalent and associated with infection and mortality in patients with alcoholic hepatitis. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 52, 537-544.	3.7	17
47	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.	3.0	16
48	Atomic spectrometry update. Industrial analysis: metals, chemicals and advanced materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1624-1649.	3.0	16
49	The interaction of polymer-coated magnetic nanoparticles with seawater. <i>Science of the Total Environment</i> , 2014, 487, 771-777.	8.0	16
50	Atomic spectrometry update. Industrial analysis: metals, chemicals and advanced materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 1497.	3.0	15
51	Atomic spectrometry update. Industrial analysis: metals, chemicals and advanced materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1567.	3.0	15
52	The sensitive and selective determination of aluminium by spectrofluorimetric detection after complexation with N-o-vanillidine-2-amino-p-cresol. <i>Journal of Environmental Monitoring</i> , 2007, 9, 994.	2.1	15
53	Atomic spectrometry update: review of advances in the analysis of metals, chemicals and materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2241-2305.	3.0	15
54	Atomic spectrometry update: review of advances in the analysis of metals, chemicals and materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1802-1848.	3.0	14

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55	Atomic spectrometry update: review of advances in the analysis of metals, chemicals and materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2410-2474.	3.0	14
56	Use of hydrogen in electrothermal atomic absorption spectrometry to decrease the background signal arising from environmental slurry samples. <i>Analytica Chimica Acta</i> , 1993, 282, 433-436.	5.4	13
57	Determination of selenoamino acids by high-performance liquid chromatography-hydraulic high pressure nebulization-atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 977-1004.	3.0	13
58	Chemometrics approaches for the study of systematic error in inductively coupled plasma atomic emission spectrometry and mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 350-359.	3.0	12
59	Advances in atomic emission, absorption and fluorescence spectrometry and related techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 622-651.	3.0	12
60	Interaction of Curcumin with Manganese May Compromise Metal and Neurotransmitter Homeostasis in the Hippocampus of Young Mice. <i>Biological Trace Element Research</i> , 2014, 158, 399-409.	3.5	12
61	Determination of gallium at trace levels using a spectrofluorimetric method in synthetic U <sup>133</sup> Ga and Ga <sup>133</sup> As solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 361-365.	3.9	11
62	Potential use of rare earth oxides as tracers of organic matter in grassland. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 288-296.	1.9	9
63	Atomic Spectrometry Update <sup>1</sup> Atomic Emission Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 171R-188R.	3.0	8
64	Parallel factor analysis for the study of systematic error in inductively coupled plasma atomic emission spectrometry and mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 360-369.	3.0	8
65	Simulating regimes of chemical disturbance and testing impacts in the ecosystem using a novel programmable dosing system. <i>Methods in Ecology and Evolution</i> , 2016, 7, 609-618.	5.2	8
66	Asymmetric effects of contaminant exposure during asymmetric contests in the hermit crab <i>Pagurus bernhardus</i> . <i>Animal Behaviour</i> , 2013, 86, 773-781.	1.9	7
67	Atomic Spectrometry Update <sup>1</sup> Atomic Mass Spectrometry and X-Ray Fluorescence Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 253R-309R.	3.0	5
68	Detection methods for the quantitation of trace elements. <i>Comprehensive Analytical Chemistry</i> , 2003, 41, 117-190.	1.3	4
69	Atomic Spectrometry Update <sup>1</sup> Atomic Emission Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 139R-153R.	3.0	3
70	Plasma Generation, Ion Sampling and Focusing. , 2009, , 1-25.		3
71	Chapter 8 The use of ICP-AES as a detector for elemental speciation studies. <i>Comprehensive Analytical Chemistry</i> , 2000, , 227-248.	1.3	2
72	The effects of gastric juice acidity on bioaccessibility of some elements in selected foods. <i>Journal of Food Composition and Analysis</i> , 2020, 90, 103485.	3.9	2