

# Paul J Worsfold

## List of Publications by Year in descending order

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243  
papers

9,369  
citations

31976

53  
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53230

85  
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258  
all docs

258  
docs citations

258  
times ranked

7668  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods for the determination and speciation of mercury in natural waters – A review. <i>Analytica Chimica Acta</i> , 2010, 663, 127-138.	5.4	434
2	The molybdenum blue reaction for the determination of orthophosphate revisited: Opening the black box. <i>Analytica Chimica Acta</i> , 2015, 890, 60-82.	5.4	270
3	Hydroxamate Siderophores: Occurrence and Importance in the Atlantic Ocean. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8675-8680.	10.0	217
4	Cadmium: toxicology and analysis. A review. <i>Analyst</i> , The, 1991, 116, 549.	3.5	199
5	Determination of iron in seawater. <i>Analytica Chimica Acta</i> , 2001, 442, 1-14.	5.4	195
6	Analytical applications of flow injection with chemiluminescence detection – a review. <i>Luminescence</i> , 2001, 16, 1-23.	2.9	190
7	Atmospheric iron deposition and sea-surface dissolved iron concentrations in the eastern Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 1339-1352.	1.4	172
8	The fate of added iron during a mesoscale fertilisation experiment in the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2703-2743.	1.4	160
9	Characterisation and quantification of organic phosphorus and organic nitrogen components in aquatic systems: A Review. <i>Analytica Chimica Acta</i> , 2008, 624, 37-58.	5.4	156
10	Sampling, sample treatment and quality assurance issues for the determination of phosphorus species in natural waters and soils. <i>Talanta</i> , 2005, 66, 273-293.	5.5	155
11	Determination of sub-nanomolar levels of iron in seawater using flow injection with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1998, 361, 189-200.	5.4	150
12	Analytical Applications of Liquid Phase Chemiluminescence Reactions – A Review. <i>Luminescence</i> , 1996, 11, 61-90.	0.0	146
13	Determination of phosphorus in natural waters: A historical review. <i>Analytica Chimica Acta</i> , 2016, 918, 8-20.	5.4	136
14	Determination of carbon, phosphorus, nitrogen and silicon species in waters. <i>Analytica Chimica Acta</i> , 1994, 287, 147-190.	5.4	132
15	Chromatography coupled with inductively coupled plasma atomic emission spectrometry and inductively coupled plasma mass spectrometry. A review. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 499.	3.0	127
16	Production of siderophore type chelates by mixed bacterioplankton populations in nutrient enriched seawater incubations. <i>Marine Chemistry</i> , 2004, 88, 75-83.	2.3	125
17	Comparison of Centrifugation and Filtration Techniques for the Size Fractionation of Colloidal Material in Soil Suspensions Using Sedimentation Field-Flow Fractionation. <i>Environmental Science &amp; Technology</i> , 2005, 39, 1731-1735.	10.0	123
18	Gold-Coated Silica as a Preconcentration Phase for the Determination of Total Dissolved Mercury in Natural Waters Using Atomic Fluorescence Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 3421-3428.	6.5	115

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19	Preconcentration techniques for the determination of mercury species in natural waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 426-435.	11.4	103
20	Separation and Detection of Siderophores Produced by Marine Bacterioplankton Using High-Performance Liquid Chromatography with Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 2647-2652.	6.5	102
21	Dissolved organic phosphorus speciation in the waters of the Tamar estuary (SW England). <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1027-1038.	3.9	99
22	Spectrophotometric field monitor for water quality parameters. <i>Analytica Chimica Acta</i> , 1987, 197, 43-50.	5.4	92
23	Plutonium isotopes as tracers for ocean processes: A review. <i>Marine Environmental Research</i> , 2010, 69, 73-84.	2.5	90
24	Flow injection analysis as a tool for enhancing oceanographic nutrient measurements—A review. <i>Analytica Chimica Acta</i> , 2013, 803, 15-40.	5.4	89
25	Combined Gel Probes for the In Situ Determination of Dissolved Reactive Phosphorus in Porewaters and Characterization of Sediment Reactivity. <i>Environmental Science &amp; Technology</i> , 2008, 42, 5112-5117.	10.0	86
26	Analytical perspective. Techniques for the quantification and speciation of phosphorus in natural waters. <i>Analytical Proceedings</i> , 1995, 32, 437.	0.4	85
27	Determination of dissolved organic carbon in seawater using high temperature catalytic oxidation techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 498-506.	11.4	81
28	Biogeochemistry of Fe and other trace elements (Al, Co, Ni) in the upper Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 605-636.	1.4	80
29	Seawater induced release and transformation of organic and inorganic phosphorus from river sediments. <i>Water Research</i> , 2004, 38, 688-692.	11.3	80
30	Environmental applications of liquid-waveguide-capillary cells coupled with spectroscopic detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 914-930.	11.4	80
31	Determination of hydrogen peroxide in sea water by flow-injection analysis with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1994, 298, 121-128.	5.4	79
32	Environmental applications of flow field-flow fractionation (FIFFF). <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 615-633.	11.4	79
33	Real-Time Monitoring of Picomolar Concentrations of Iron(II) in Marine Waters Using Automated Flow Injection-Chemiluminescence Instrumentation. <i>Environmental Science &amp; Technology</i> , 2002, 36, 4600-4607.	10.0	77
34	Determination of mercury in filtered sea-water by flow injection with on-line oxidation and atomic fluorescence spectrometric detection. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 511.	3.0	76
35	A critical examination of the components of the Schlieren effect in flow analysis. <i>Talanta</i> , 2006, 68, 1076-1082.	5.5	73
36	Determination of nanomolar concentrations of phosphate in freshwaters using flow injection with luminol chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2004, 510, 213-218.	5.4	71

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37	Partitioning and stability of engineered ZnO nanoparticles in soil suspensions using flow field-flow fractionation. <i>Environmental Chemistry</i> , 2007, 4, 8.	1.5	70
38	Determination of trace metals in sea-water and the on-line removal of matrix interferences by flow injection with inductively coupled plasma mass spectrometric detection. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 935.	3.0	66
39	A compact flow injection analysis system for surface mapping of phosphate in marine waters. <i>Talanta</i> , 2002, 58, 1043-1053.	5.5	65
40	A Protocol to Assess the Enzymatic Release of Dissolved Organic Phosphorus Species in Waters under Environmentally Relevant Conditions. <i>Environmental Science &amp; Technology</i> , 2007, 41, 7479-7485.	10.0	63
41	An automated spectrophotometric field monitor for water quality parameters. <i>Analytica Chimica Acta</i> , 1988, 214, 401-407.	5.4	62
42	UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2001, 440, 27-36.	5.4	62
43	Sources of plutonium to the tropical Northwest Pacific Ocean (1943â€“1999) identified using a natural coral archive. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1346-1356.	3.9	62
44	Multi-reflection photometric flow cell for use in flow injection analysis of estuarine waters. <i>Analytica Chimica Acta</i> , 2003, 499, 81-89.	5.4	61
45	Marine Biogeochemistry of Iron. <i>Environmental Chemistry</i> , 2004, 1, 67.	1.5	61
46	Determination of nanomolar concentrations of phosphate in natural waters using flow injection with a long path length liquid waveguide capillary cell and solid-state spectrophotometric detection. <i>Talanta</i> , 2007, 71, 1624-1628.	5.5	61
47	Determination of mercury species in sea-water by liquid chromatography with inductively coupled plasma mass spectrometric detection. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 145.	3.0	60
48	Elimination of the Schlieren effect in the determination of reactive phosphorus in estuarine waters by flow-injection analysis. <i>Analytica Chimica Acta</i> , 1997, 351, 265-271.	5.4	60
49	A community-wide intercomparison exercise for the determination of dissolved iron in seawater. <i>Marine Chemistry</i> , 2006, 98, 81-99.	2.3	60
50	Ultra-trace determination of plutonium in marine samples using multi-collector inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 671, 61-69.	5.4	59
51	Simultaneous multi-element analysis of blood serum by flow injection-inductively coupled plasma atomic-emission spectrometry. <i>Analyst, The</i> , 1984, 109, 327.	3.5	57
52	Phosphorus Loading in the Frome Catchment, UK: Seasonal Refinement of the Coefficient Modeling Approach. <i>Journal of Environmental Quality</i> , 2001, 30, 1738-1746.	2.0	56
53	Selenium speciationâ€”a flow injection approach employing on-line microwave reduction followed by hydride generationâ€”quartz furnace atomic absorption spectrometry. <i>Analyst, The</i> , 1994, 119, 2785-2788.	3.5	55
54	Flow analysis with chemiluminescence detection: Recent advances and applications. <i>Talanta</i> , 2018, 179, 246-270.	5.5	54

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55	Flow Analysis Techniques for Spatial and Temporal Measurement of Nutrients in Aquatic Systems. <i>Environmental Chemistry</i> , 2006, 3, 3.	1.5	53
56	Determination of cobalt and iron in estuarine and coastal waters using flow injection with chemiluminescence detection. <i>Analyst, The</i> , 2000, 125, 51-57.	3.5	52
57	Analytical intercomparison between flow injection chemiluminescence and flow injection spectrophotometry for the determination of picomolar concentrations of iron in seawater. <i>Limnology and Oceanography: Methods</i> , 2004, 2, 42-54.	2.0	52
58	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
59	Distribution and redox speciation of dissolved iron on the European continental margin. <i>Limnology and Oceanography</i> , 2007, 52, 2530-2539.	3.1	50
60	An automated spectrophotometric field monitor for water quality parameters. <i>Analytica Chimica Acta</i> , 1987, 200, 523-531.	5.4	49
61	Estuarine eutrophication in the UK: current incidence and future trends. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2009, 19, 43-56.	2.0	47
62	Determination of dissolved iron in seawater: A historical review. <i>Marine Chemistry</i> , 2014, 166, 25-35.	2.3	47
63	Nitrogen Cycling in Natural Waters using In Situ, Reagentless UV Spectrophotometry with Simultaneous Determination of Nitrate and Nitrite. <i>Environmental Science &amp; Technology</i> , 2007, 41, 8420-8425.	10.0	46
64	On-line flow injection monitoring of ammonia in industrial liquid effluents. <i>Analytica Chimica Acta</i> , 1995, 314, 33-43.	5.4	45
65	Impact of atmospheric deposition on the contrasting iron biogeochemistry of the North and South Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2013, 27, 1096-1107.	4.9	45
66	Bioaccessibility of Cr, Cu, Fe, Mg, Mn, Mo, Se and Zn from nutritional supplements by the unified BARGE method. <i>Food Chemistry</i> , 2014, 150, 321-327.	8.2	45
67	Analytical perspective. Solid phase techniques for the preconcentration of trace metals from natural waters. <i>Analytical Proceedings</i> , 1995, 32, 387.	0.4	44
68	The impact of changing surface ocean conditions on the dissolution of aerosol iron. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1235-1250.	4.9	44
69	High temporal resolution field monitoring of phosphate in the River Frome using flow injection with diode array detection. <i>Analytica Chimica Acta</i> , 2001, 440, 55-62.	5.4	43
70	Activated gold surfaces for the direct preconcentration of mercury species from natural waters. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 767.	3.0	43
71	Determination of nitrate and nitrite in freshwaters using flow injection with luminol chemiluminescence detection. <i>Luminescence</i> , 2012, 27, 419-425.	2.9	43
72	Determination of cobalt(II), copper(II) and iron(II) by ion chromatography with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1990, 236, 287-292.	5.4	41

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73	Real-time detection of reactive oxygen species generation by marine phytoplankton using flow injection chemiluminescence. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 706-715.	2.0	41
74	Flow injection assays with chemiluminescence and bioluminescence detection – A review. <i>Luminescence</i> , 1993, 8, 183-199.	0.0	40
75	Determination of chemical oxygen demand in fresh waters using flow injection with on-line UV-photocatalytic oxidation and spectrophotometric detection. <i>Analyst</i> , 2005, 130, 227.	3.5	40
76	The Influence of Sample Preparation on Observed Particle Size Distributions for Contrasting Soil Suspensions using Flow Field-Flow Fractionation. <i>Environmental Chemistry</i> , 2006, 3, 184.	1.5	40
77	Corrosion and transport of depleted uranium in sand-rich environments. <i>Chemosphere</i> , 2009, 77, 1434-1439.	8.2	40
78	Soluble manganese(IV); a new chemiluminescence reagent. <i>Analyst</i> , 2001, 126, 1636-1639.	3.5	39
79	Determination of dissolved inorganic carbon (DIC) and dissolved organic carbon (DOC) in freshwaters by sequential injection spectrophotometry with on-line UV photo-oxidation. <i>Analytica Chimica Acta</i> , 2005, 554, 17-24.	5.4	39
80	Shipboard flow injection determination of sea water pH with spectrophotometric detection. <i>Analytica Chimica Acta</i> , 1995, 309, 259-270.	5.4	37
81	Shipboard analytical intercomparison of dissolved iron in surface waters along a north-south transect of the Atlantic Ocean. <i>Marine Chemistry</i> , 2003, 84, 19-34.	2.3	37
82	On-line determination of residual aluminium in potable and treated waters by flow-injection analysis. <i>Analytica Chimica Acta</i> , 1990, 238, 177-182.	5.4	36
83	Procedures for the enhancement of selectivity in liquid phase chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1991, 250, 145-155.	5.4	36
84	Shipboard determination of hydrogen peroxide in the western Mediterranean sea using flow injection with chemiluminescence detection. PII of original article: S0003-2670 (98) 00322-5. This article has previously been published in 371/2-3.1. <i>Analytica Chimica Acta</i> , 1998, 377, 145-155.	5.4	35
85	Investigation of iron(III) reduction and trace metal interferences in the determination of dissolved iron in seawater using flow injection with luminol chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2009, 652, 259-265.	5.4	35
86	Elucidating the structural properties that influence the persistence of PCBs in humans using the National Health and Nutrition Examination Survey (NHANES) dataset. <i>Science of the Total Environment</i> , 2013, 461-462, 99-107.	8.0	35
87	Flow Injection Techniques for Water Monitoring. <i>Analytical Chemistry</i> , 1994, 66, 916A-922A.	6.5	34
88	Behaviour of matrix cations (Ca <sup>2+</sup> , K <sup>+</sup> , Mg <sup>2+</sup> and Na <sup>+</sup> ) during on-line preconcentration and atomic spectrometric detection of trace metals in natural waters. <i>Analytica Chimica Acta</i> , 1997, 351, 311-317.	5.4	34
89	Miniature flow injection analyser for laboratory, shipboard and in situ monitoring of nitrate in estuarine and coastal waters. <i>Talanta</i> , 2002, 58, 1015-1027.	5.5	33
90	Voltammetric in situ measurements of trace metals in coastal waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 828-835.	11.4	33

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91	Flow injection procedure for the determination of tertiary amines in water and sea water using chemiluminescence detection. <i>Analyst, The</i> , 1989, 114, 1659.	3.5	32
92	Hydrogen peroxide in the marine environment: cycling and methods of analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 1992, 11, 379-384.	11.4	32
93	Temporal record of Pu isotopes in inter-tidal sediments from the northeastern Irish Sea. <i>Science of the Total Environment</i> , 2011, 409, 5020-5025.	8.0	32
94	The determination of trace metals in estuarine and coastal waters using a voltammetric in situ profiling system. <i>Analyst, The</i> , 2003, 128, 734.	3.5	31
95	Fingerprinting polychlorinated biphenyls in environmental samples using comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1318, 276-283.	3.7	31
96	Shipboard determination of hydrogen peroxide in the western Mediterranean sea using flow injection with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1998, 371, 205-215.	5.4	30
97	Evaluation of phosphorus concentrations in relation to annual and seasonal physico-chemical water quality parameters in a UK chalk stream. <i>Water Research</i> , 2003, 37, 3579-3589.	11.3	30
98	Comparison of multivariate calibration techniques for the quantification of model process streams using diode-array spectrophotometry. <i>Analyst, The</i> , 1994, 119, 1541.	3.5	29
99	A submersible flow injection-based sensor for the determination of total oxidised nitrogen in coastal waters. <i>Analytica Chimica Acta</i> , 1998, 361, 63-72.	5.4	29
100	Determination of Dissolved Reactive Phosphorus in Estuarine Waters Using a Reversed Flow Injection Manifold. <i>Analyst, The</i> , 1997, 122, 1477-1480.	3.5	28
101	Determination of total dissolved cobalt in UV-irradiated seawater using flow injection with chemiluminescence detection. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 352-362.	2.0	28
102	Distribution of size fractionated dissolved iron in the Canary Basin. <i>Marine Environmental Research</i> , 2010, 70, 46-55.	2.5	28
103	Spatial and temporal distribution of Pu in the Northwest Pacific Ocean using modern coral archives. <i>Environment International</i> , 2012, 40, 196-201.	10.0	28
104	High temporal and spatial resolution environmental monitoring using flow injection with spectroscopic detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 233-239.	11.4	27
105	Collision-induced dissociation of three groups of hydroxamate siderophores: ferrioxamines, ferrichromes and coprogens/fusigens. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2195-2202.	1.5	27
106	Flow methods for the determination of polycyclic aromatic hydrocarbons using low power photomultiplier tube and charge coupled device chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1997, 346, 113-120.	5.4	26
107	Comparison of traditional and multivariate calibration techniques applied to complex matrices using inductively coupled plasma atomic emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 967-972.	3.0	26
108	Colloidal Metals in the Tamar Estuary and their Influence on Metal Fractionation by Membrane Filtration. <i>Environmental Chemistry</i> , 2006, 3, 199.	1.5	26

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109	Characterisation of thorium <sup>232</sup> ethylenediaminetetraacetic acid and thorium <sup>232</sup> nitrilotriacetic acid species by electrospray ionisation-mass spectrometry. <i>Analytica Chimica Acta</i> , 2007, 590, 125-131.	5.4	26
110	Flow injection analysis with chemiluminescence detection: determination of hydrazine. <i>Analytical Proceedings</i> , 1985, 22, 15.	0.4	25
111	Determination of dissolved reactive phosphorus (DRP) and dissolved organic phosphorus (DOP) in natural waters by the use of rapid sequenced reagent injection flow analysis. <i>Talanta</i> , 2005, 66, 453-460.	5.5	25
112	Flow Injection Techniques in Aquatic Environmental Analysis: Recent Applications and Technological Advances. <i>Critical Reviews in Analytical Chemistry</i> , 2005, 35, 237-246.	3.5	25
113	The effect of EDTA, NTA and picolinic acid on Th(IV) mobility in a ternary system with natural sand. <i>Environmental Pollution</i> , 2012, 162, 399-405.	7.5	25
114	Uncertainty contributions to the measurement of dissolved Co, Fe, Pb and V in seawater using flow injection with solid phase preconcentration and detection by collision/reaction cell <sup>209</sup> quadrupole ICP <sup>209</sup> MS. <i>Talanta</i> , 2015, 133, 162-169.	5.5	24
115	Bioluminescence assays with immobilised bacterial luciferase using flow injection analysis. <i>Analyst</i> , The, 1986, 111, 1321.	3.5	23
116	Can polychlorinated biphenyl (PCB) signatures and enantiomer fractions be used for source identification and to age date occupational exposure?. <i>Environment International</i> , 2015, 81, 56-63.	10.0	23
117	Seasonal iron depletion in temperate shelf seas. <i>Geophysical Research Letters</i> , 2017, 44, 8987-8996.	4.0	23
118	Partial least squares resolution of multianalyte flow injection data. <i>Analyst</i> , The, 1993, 118, 617.	3.5	22
119	Thorium Complexation by Hydroxamate Siderophores in Perturbed Multicomponent Systems Using Flow Injection Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 7335-7341.	6.5	22
120	Analytical techniques for speciation analysis of aqueous long-lived radionuclides in environmental matrices. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 160-168.	11.4	22
121	Determination of a non-ionic surfactant in aqueous environmental samples by flow-injection analysis with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1990, 239, 189-194.	5.4	21
122	Automated Flow Injection Analyzer with On-Line Solid-Phase Extraction and Chemiluminescence Detection for the Determination of Dodecylamine in Diesel Fuels. <i>Analytical Chemistry</i> , 2003, 75, 2618-2625.	6.5	21
123	Mobilization of Technetium from Reduced Sediments under Seawater Inundation and Intrusion Scenarios. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11798-11803.	10.0	21
124	Field Preconcentration of Trace Metals from Seawater and Brines Coupled with Laboratory Analysis Using Flow Injection and ICP-AES Detection. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 75, 57-69.	3.3	20
125	Biogeochemical Controls on the Corrosion of Depleted Uranium Alloy in Subsurface Soils. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6177-6182.	10.0	20
126	Combined uncertainty estimation for the determination of the dissolved iron amount content in seawater using flow injection with chemiluminescence detection. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 673-686.	2.0	20



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127	Phosphorus speciation, burial and regeneration in coastal lagoon sediments of the Gippsland Lakes (Victoria, Australia). <i>Environmental Chemistry</i> , 2007, 4, 334.	1.5	19
128	A high resolution temporal study of phytoplankton bloom dynamics in the eutrophic Taw Estuary (SW) Tj ETQq0 0 0 rgBT /Overlock 10 T	8.0	19
129	Validation and in situ application of an automated dissolved nickel monitor for estuarine studies. <i>Analytica Chimica Acta</i> , 1998, 371, 235-246.	5.4	18
130	The application of piecewise direct standardisation with variable selection to the correction of drift in inductively coupled atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1045.	3.0	17
131	The effect of EDTA on the groundwater transport of thorium through sand. <i>Water Research</i> , 2012, 46, 4870-4882.	11.3	17
132	Mixtures of tritiated water, zinc and dissolved organic carbon: Assessing interactive bioaccumulation and genotoxic effects in marine mussels, <i>Mytilus galloprovincialis</i> . <i>Journal of Environmental Radioactivity</i> , 2018, 187, 133-143.	1.7	17
133	Impact of surface ocean conditions and aerosol provenance on the dissolution of aerosol manganese, cobalt, nickel and lead in seawater. <i>Marine Chemistry</i> , 2018, 198, 28-43.	2.3	17
134	Variable reduction algorithm for atomic emission spectra: application to multivariate calibration and quantitative analysis of industrial samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 800-812.	3.0	16
135	Corrosion and Fate of Depleted Uranium Penetrators under Progressively Anaerobic Conditions in Estuarine Sediment. <i>Environmental Science &amp; Technology</i> , 2009, 43, 350-355.	10.0	16
136	Spectrophotometric flow-injection techniques for the multicomponent monitoring of process streams. <i>Microchemical Journal</i> , 1992, 45, 178-188.	4.5	15
137	Correction for drift in multivariate systems using the Kalman filter. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1996, 35, 199-211.	3.5	15
138	Acquisition of chemiluminescence spectral profiles using a continuous flow manifold with two dimensional CCD detection. <i>Analyst, The</i> , 2000, 125, 387-390.	3.5	15
139	Design of an Automated Flow Injection-Chemiluminescence Instrument Incorporating a Miniature Photomultiplier Tube for Monitoring Picomolar Concentrations of Iron in Seawater. <i>Journal of Automated Methods and Management in Chemistry</i> , 2005, 2005, 37-43.	0.5	15
140	Predicting Copper Speciation in Estuarine Watersâ€™Is Dissolved Organic Carbon a Good Proxy for the Presence of Organic Ligands?. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2206-2216.	10.0	15
141	Flow injection procedures for the determination of ethanol and alcohol dehydrogenase using co-immobilised bacterial luciferase and oxidoreductase. <i>Analyst, The</i> , 1987, 112, 531.	3.5	14
142	Coal analysis by analytical atomic spectrometry (ICP-AES and ICP-MS) without sample dissolution. <i>Analytical Proceedings</i> , 1988, 25, 69.	0.4	14
143	Determination of aliphatic carboxylic acids in non-aqueous matrices by liquid chromatography with peroxyoxalate chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1994, 290, 226-232.	5.4	14
144	Identifying the provenance of Leachâ€™s storm petrels in the North Atlantic using polychlorinated biphenyl signatures derived from comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. <i>Chemosphere</i> , 2014, 114, 195-202.	8.2	14

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145	Absence of Gradients and Nernstian Equilibrium Stripping (AGNES) for the determination of [Zn <sup>2+</sup> ] in estuarine waters. <i>Analytica Chimica Acta</i> , 2016, 912, 32-40.	5.4	14
146	Research and development topics in Analytical Chemistry. <i>Analytical Proceedings</i> , 1986, 23, 410.	0.4	13
147	Analytical applications of microemulsions. Spectrophotometric determination of zinc using dithizone. <i>Analyst, The</i> , 1988, 113, 769.	3.5	13
148	Research and development topics in Analytical Chemistry. <i>Analytical Proceedings</i> , 1989, 26, 362.	0.4	13
149	Determination of alkanolamines by ion-pair chromatography with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1991, 246, 447-450.	5.4	13
150	Application of Kalman filtering to multivariate calibration and drift correction. <i>Analytica Chimica Acta</i> , 1999, 388, 315-325.	5.4	13
151	Efficiency of pre-treated <i>Moringa oleifera</i> for the removal of Cd <sup>2+</sup> and Zn <sup>2+</sup> ions from wastewaters. <i>Ecology and Hydrobiology</i> , 2013, 13, 267-271.	2.3	13
152	Impact of arsenopyrite contamination on agricultural soils and crops. <i>Journal of Geochemical Exploration</i> , 2013, 125, 102-109.	3.2	13
153	Uncertainty associated with the leaching of aerosol filters for the determination of metals in aerosol particulate matter using collision/reaction cell ICP-MS detection. <i>Talanta</i> , 2019, 199, 425-430.	5.5	13
154	On-line sample treatment coupled with atomic spectrometric detection for the determination of trace elements in natural waters. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 643-670.	3.0	13
155	Spectrofluorimetric flow-injection determination of tertiary amines in non-aqueous media. <i>Analytica Chimica Acta</i> , 1987, 192, 77-83.	5.4	12
156	Determination of organotins in fish and sediments by gas chromatography with flame photometric detection. <i>Analytical Proceedings</i> , 1989, 26, 16.	0.4	12
157	Determination of carboxylic acids in oxidised engine oils by liquid chromatography with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1992, 266, 257-264.	5.4	12
158	Iron age in oceanography. <i>Eos</i> , 1999, 80, 377-382.	0.1	12
159	Determination of silicate in freshwaters using flow injection with luminol chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2004, 519, 137-142.	5.4	12
160	Simultaneous Determination of Dissolved Organic Carbon and Total Dissolved Nitrogen on a Coupled High-Temperature Combustion Total Organic Carbon-Nitrogen Chemiluminescence Detection (HTC) Tj ETQq0 0 0 r9BT /Overlock 10 Tf 5	0.5	12
161	Intercomparison between FI-CL and ICP-MS for the determination of dissolved iron in Atlantic seawater. <i>Environmental Chemistry</i> , 2007, 4, 1.	1.5	12
162	The use of monitoring data for identifying factors influencing phytoplankton bloom dynamics in the eutrophic Taw Estuary, SW England. <i>Marine Pollution Bulletin</i> , 2009, 58, 1007-1015.	5.0	12

#	ARTICLE	IF	CITATIONS
163	Spectrophotometric flow injection procedure for the on-line monitoring of sulphite in high ionic strength brine. <i>Analyst</i> , 1991, 116, 701.	3.5	11
164	Flow injection determination of nitrate in estuarine and coastal waters. <i>Analytical Proceedings</i> , 1994, 31, 81.	0.4	11
165	Integrated luminometer for the determination of trace metals in seawater using fluorescence, phosphorescence and chemiluminescence detection. <i>Journal of Automated Methods and Management in Chemistry</i> , 2002, 24, 41-47.	0.5	11
166	Challenges in the Determination of Nutrient Species in Natural Waters. <i>Mikrochimica Acta</i> , 2006, 154, 45-48.	5.0	11
167	Sedimentary pools of phosphorus in the eutrophic Tamar estuary (SW England). <i>Journal of Environmental Monitoring</i> , 2010, 12, 296-304.	2.1	11
168	Metal speciation and toxicity of Tamar Estuary water to larvae of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Marine Environmental Research</i> , 2011, 72, 3-12.	2.5	11
169	Evaluation of electrospray ionisation mass spectrometry as a technique for the investigation of competitive interactions: A case study of the ternary Thâ€Mnâ€EDTA system. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2755-2762.	1.5	11
170	Export of dissolved organic carbon and nitrate from grassland in winter using high temporal resolution, in situ UV sensing. <i>Science of the Total Environment</i> , 2013, 456-457, 384-391.	8.0	11
171	Recent developments in water quality monitoring by flow injection analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 1991, 10, 11-17.	11.4	10
172	A flow-injection approach to the continuous monitoring of residual coagulants (aluminium and iron) in potable and treated waters. <i>Science of the Total Environment</i> , 1993, 135, 17-25.	8.0	10
173	Validation of a portable flow injection - chemiluminescence (FI-CL) method for the determination of dissolved iron in Atlantic open ocean and shelf waters by comparison with isotope dilution - inductively coupled plasma mass spectrometry (ID-ICPMS). <i>Environmental Chemistry</i> , 2010, 7, 139.	1.5	10
174	Temporal variability in nutrient concentrations and loads in the River Tamar and its catchment (SW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	10
175	Effect of organic complexing agents on the interactions of Cs+, Sr2+ and with silica and natural sand. <i>Chemosphere</i> , 2013, 91, 948-954.	8.2	10
176	The role of alkalinity in setting water quality metrics: phosphorus standards in United Kingdom rivers. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1361-1372.	3.5	10
177	Determination of aldehydes in used engine oils by liquid chromatography with chemiluminescence detection. <i>Journal of Chromatography A</i> , 1995, 704, 329-337.	3.7	9
178	A submersible battery-powered flow injection (FI) sensor for the determination of nitrate in estuarine and coastal waters. <i>Journal of Automated Methods and Management in Chemistry</i> , 1999, 21, 1-9.	0.5	9
179	Influence of sediment redox conditions on uranium mobilisation during saline intrusion. <i>Chemical Geology</i> , 2013, 357, 158-163.	3.3	9
180	Orthophosphate-P in the nutrient impacted River Taw and its catchment (SW England) between 1990 and 2013. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 690-705.	3.5	9

#	ARTICLE	IF	CITATIONS
181	A tale of two gyres: Contrasting distributions of dissolved cobalt and iron in the Atlantic Ocean during an Atlantic Meridional Transect (AMT-19). <i>Progress in Oceanography</i> , 2017, 158, 52-64.	3.2	9
182	The impact of a disused mine on uranium transport in the River Fal, South West England. <i>Journal of Environmental Monitoring</i> , 2004, 6, 907-913.	2.1	8
183	Fate of <sup>90</sup> Sr and U(VI) in Dounreay sediments following saline inundation and erosion. <i>Chemosphere</i> , 2013, 92, 911-917.	8.2	8
184	Stability of Arsenic Species During Bioaccessibility Assessment Using the In Vitro UBM and HPLC-ICP-MS Detection. <i>Biological Trace Element Research</i> , 2020, 198, 332-338.	3.5	8
185	Research and development topics in Analytical Chemistry. <i>Analytical Proceedings</i> , 1992, 29, 10.	0.4	7
186	Matrix suppression in sea-water analysis using inductively coupled plasma mass spectrometry with mixed gas plasmas. <i>Analytical Proceedings</i> , 1994, 31, 95.	0.4	7
187	A portable flow-injection instrument incorporating a miniature spectrometer for the real-time monitoring of nitrate in rivers. <i>Laboratory Robotics and Automation</i> , 2000, 12, 183-193.	0.2	7
188	Enzymatic flow-injection determination of phytase-hydrolysable phosphorus (PHP) in natural waters using immobilized 3-phytase. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 91-101.	3.3	7
189	Application of Flow Field-Flow Fractionation and Laser Sizing to Characterize Soil Colloids in Drained and Undrained Lysimeters. <i>Journal of Environmental Quality</i> , 2008, 37, 1656-1660.	2.0	7
190	More with less: Advances in flow and paper-based monitoring of nutrients in aquatic systems. <i>Pure and Applied Chemistry</i> , 2012, 84, 1973-1982.	1.9	7
191	Measurement uncertainty associated with shipboard sample collection and filtration for the determination of the concentration of iron in seawater. <i>Analytical Methods</i> , 2016, 8, 6711-6719.	2.7	7
192	Use of microemulsions in flow injection analysis: spectrophotometric determination of copper. <i>Analytica Chimica Acta</i> , 1987, 201, 345-350.	5.4	6
193	Universal chemiluminescence detection using the luminol reaction and the displacement ion effect. <i>Analyst</i> , 1991, 116, 1227.	3.5	6
194	Determination and Prediction of Zinc Speciation in Estuaries. <i>Environmental Science &amp; Technology</i> , 2018, 52, 14245-14255.	10.0	6
195	Changes to polychlorinated biphenyl (PCB) signatures and enantiomer fractions across different tissue types in Guillemots. <i>Marine Pollution Bulletin</i> , 2018, 131, 174-179.	5.0	6
196	Estimating Uncertainties in Oceanographic Trace Element Measurements. <i>Frontiers in Marine Science</i> , 2019, 5, .	2.5	6
197	Analytical applications of diode array spectroscopy. Flow injection analysis as a sample handling technique for diode array spectroscopy. <i>Analytical Proceedings</i> , 1986, 23, 365.	0.4	5
198	Novel preconcentration technique for the determination of trace elements in fine chemicals. <i>Analytical Proceedings</i> , 1989, 26, 377-390.	0.4	5

#	ARTICLE	IF	CITATIONS
199	Determination of polycyclic aromatic hydrocarbons in biomass emissions by liquid chromatography with fluorescence and chemiluminescence detection. <i>Analytical Proceedings</i> , 1992, 29, 61.	0.4	5
200	Approaches to the continuous monitoring of seawater pH and its role in the global carbon cycle. <i>TrAC - Trends in Analytical Chemistry</i> , 1993, 12, ix.	11.4	5
201	Environmental monitoring – a flow-injection approach. <i>Journal of Automated Methods and Management in Chemistry</i> , 1994, 16, 153-154.	0.3	5
202	In situ flow-injection monitoring of ammonia in landfill leachate. <i>Laboratory Robotics and Automation</i> , 1997, 9, 175-183.	0.2	5
203	Validation and in situ application of an automated dissolved nickel monitor for estuarine studies PII of original article: S0003-2670(98)00324-9. This article has previously been published in 371/2-3.1. <i>Analytica Chimica Acta</i> , 1998, 377, 217-228.	5.4	5
204	Automatic Sampler Coupled with Flow Injection- <i>Chemiluminescence</i> Detection to Monitor Particle/Natural Water Interactions. <i>Instrumentation Science and Technology</i> , 2007, 36, 18-31.	1.8	5
205	The contribution of roadside soil to phosphorus loading in the eutrophic Lagos Lagoon, Nigeria. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1884.	2.1	5
206	Advances in marine analytical chemistry. <i>Talanta</i> , 2019, 202, 610.	5.5	5
207	Monitoring carboxylic acid formation in engine oils by liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 1994, 667, 91-98.	3.7	4
208	Temporal variability of colloidal material in agricultural storm runoff from managed grassland using flow field-flow fractionation. <i>Journal of Chromatography A</i> , 2009, 1216, 9120-9124.	3.7	4
209	A PORTABLE FLOW INJECTION ANALYZER FOR THE <i>IN SITU</i> DETERMINATION OF FILTERABLE REACTIVE PHOSPHORUS (FRP) IN FRESHWATER. <i>Instrumentation Science and Technology</i> , 2010, 38, 187-200.	1.8	4
210	Enzymes and antibodies. <i>Analytical Proceedings</i> , 1987, 24, 136.	0.4	3
211	Analytical approaches to the monitoring of toxicological levels of cadmium in environmental sites. <i>TrAC - Trends in Analytical Chemistry</i> , 1990, 9, 228-231.	11.4	3
212	Environmental Applications: Waters, Sediments and Soils. <i>Comprehensive Analytical Chemistry</i> , 2008, 54, 685-760.	1.3	3
213	European Analytical Column. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 46, xvi-xix.	11.4	3
214	SAC Silver Medal Lectures. Flow injection – from fireflies to field monitors. <i>Analytical Proceedings</i> , 1991, 28, 214-216.	0.4	2
215	Novel instrumentation and biomedical applications of very near-infrared fluorescence. <i>Analytical Proceedings</i> , 1993, 30, 157.	0.4	2
216	European analytical column. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 56, ix-xii.	11.4	2

#	ARTICLE	IF	CITATIONS
217	Flow injection analysis. <i>Analytical Proceedings</i> , 1984, 21, 372.	0.4	1
218	Preface. <i>Analytica Chimica Acta</i> , 2009, 652, 1-2.	5.4	1
219	European analytical column no. 38 (January 2010). <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1647-1651.	3.7	1
220	European analytical column no. 39. <i>Analytical chemistry and bioanalytical chemistry: a yet unshaped social relationship. Accreditation and Quality Assurance</i> , 2011, 16, 267-269.	0.8	1
221	European Analytical Column. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 35, 1-3.	11.4	1
222	European Analytical Column No. 44. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4191-4193.	3.7	1
223	Spectrophotometry: Overview $\hat{t}$ . , 2017, , 244-244.		1
224	Physico-chemical factors controlling the speciation of phosphorus in English and Welsh rivers. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1688-1697.	3.5	1
225	Historical developments in the determination of phosphorus in natural waters. <i>Analytica Chimica Acta</i> , 2020, 1132, 156.	5.4	1
226	What constitutes a quality paper in environmental analytical chemistry. <i>Talanta Open</i> , 2021, 3, 100044.	3.7	1
227	Having led this horse to water can we make it think?. <i>Analytical Proceedings</i> , 1993, 30, 143.	0.4	0
228	Quantification of BTEX compounds in model effluent systems using flow injection diode-array spectrophotometry and multivariate calibration. <i>Analytical Proceedings</i> , 1995, 32, 507.	0.4	0
229	Optimization of an automated FI-FT-IR procedure for the determination of o-xylene, toluene and ethyl benzene in n-hexane. <i>Journal of Automated Methods and Management in Chemistry</i> , 1999, 21, 113-119.	0.5	0
230	European analytical column no. 38 (January 2010) by EuCheMS-DAC. <i>Accreditation and Quality Assurance</i> , 2010, 15, 367-371.	0.8	0
231	European Analytical Column. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 447-451.	11.4	0
232	European analytical column no. 39. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1539-1541.	3.7	0
233	Sample Handling. , 2012, , 295-448.		0
234	Interaction of Radiation with the Flowing Sample. , 2012, , 95-146.		0

#	ARTICLE	IF	CITATIONS
235	European Analytical Column No. 40. Analytical and Bioanalytical Chemistry, 2012, 404, 5-7.	3.7	0
236	European Analytical Column Number 42. Journal of Analytical Chemistry, 2014, 69, 812-816.	0.9	0
237	European Analytical Column No. 42. Analytical and Bioanalytical Chemistry, 2014, 406, 3525-3529.	3.7	0
238	European analytical column number 42. Accreditation and Quality Assurance, 2014, 19, 225-229.	0.8	0
239	European analytical column. TrAC - Trends in Analytical Chemistry, 2015, 67, 217-219.	11.4	0
240	European Analytical Column No. 43. Analytical and Bioanalytical Chemistry, 2015, 407, 2653-2656.	3.7	0
241	European analytical column number 43. Accreditation and Quality Assurance, 2015, 20, 233-233.	0.8	0
242	European analytical column number 44. TrAC - Trends in Analytical Chemistry, 2016, 82, A1-A2.	11.4	0
243	European Analytical Column Number 44. Accreditation and Quality Assurance, 2016, 21, 317-319.	0.8	0