Dongxing Yuan

List of Publications by Citations

116 papers	2,268 citations	28 h-index	41 g-index
117 ext. papers	2,637 ext. citations	5.4 avg, IF	5.34 L-index

#	Paper	IF	Citations
116	Preparation of solid-phase microextraction fiber coated with single-walled carbon nanotubes by electrophoretic deposition and its application in extracting phenols from aqueous samples. *Journal of Chromatography A*, **2009**, 1216, 1305-11	4.5	126
115	Speciation and detection of arsenic in aqueous samples: a review of recent progress in non-atomic spectrometric methods. *Analytica Chimica Acta*, **2014**, 831, 1-23	6.6	115
114	The study of lead removal from aqueous solution using an electrochemical method with a stainless steel net electrode coated with single wall carbon nanotubes. *Chemical Engineering Journal*, **2013**, 218, 81-88	14.7	82
113	Monitoring of selected estrogen mimics in complicated samples using polymeric ionic liquid-based multiple monolithic fiber solid-phase microextraction combined with high-performance liquid chromatography. *Journal of Chromatography A*, **2015**, 1385, 12-9	4.5	63
112	A simple method for the determination of glyphosate and aminomethylphosphonic acid in seawater matrix with high performance liquid chromatography and fluorescence detection. *Talanta* , **2016**, 161, 700-706	6.2	61
111	Determination of nanomolar levels of nutrients in seawater. *TrAC - Trends in Analytical Chemistry*, **2014**, 60, 1-15	14.6	59
110	Multiple monolithic fiber solid-phase microextraction: a new extraction approach for aqueous samples. *Journal of Chromatography A*, **2014**, 1345, 29-36	4.5	52
109	Metal-organic framework-monolith composite-based in-tube solid phase microextraction on-line coupled to high-performance liquid chromatography-fluorescence detection for the highly sensitive monitoring of fluoroquinolones in water and food samples. *Talanta*, **2019**, 199, 499-506	6.2	50
108	Sensitive monitoring of trace nitrophenols in water samples using multiple monolithic fiber solid phase microextraction and liquid chromatographic analysis. *Talanta*, **2015**, 134, 89-97	6.2	48
107	Sensitive monitoring of benzoylurea insecticides in water and juice samples treated with multiple monolithic fiber solid-phase microextraction and liquid chromatographic analysis. *Analytica Chimica Acta*, **2015**, 860, 29-36	6.6	48
106	A sensitive flow-batch system for on board determination of ultra-trace ammonium in seawater: Method development and shipboard application. *Analytica Chimica Acta*, **2013**, 794, 47-54	6.6	46
105	Automated spectrophotometric analyzer for rapid single-point titration of seawater total alkalinity. *Environmental Science & Technology*, **2013**, 47, 11139-46	10.3	44
104	Sequential injection analysis of nanomolar soluble reactive phosphorus in seawater with HLB solid phase extraction. *Marine Chemistry*, **2008**, 111, 151-159	3.7	42
103	Simultaneous determination of 32 antibiotics and 12 pesticides in sediment using ultrasonic-assisted extraction and high performance liquid chromatography-tandem mass spectrometry. *Analytical Methods*, **2015**, 7, 1896-1905	3.2	40
102	In-field determination of nanomolar nitrite in seawater using a sequential injection technique combined with solid phase enrichment and colorimetric detection. *Analytica Chimica Acta*, **2008**, 620, 82-8	6.6	39
101	Automated determination of nitrate plus nitrite in aqueous samples with flow injection analysis using vanadium (III) chloride as reductant. *Talanta*, **2016**, 146, 744-8	6.2	38
100	Isotopic composition analysis of dissolved mercury in seawater with purge and trap preconcentration and a modified Hg introduction device for MC-ICP-MS. *Journal of Analytical Atomic Spectrometry*, **2015**, 30, 353-359	3.7	38

99	A modified method for on-line determination of trace ammonium in seawater with a long-path liquid waveguide capillary cell and spectrophotometric detection. *Marine Chemistry*, **2014**, 162, 114-121	3.7	37
98	Sensitive determination of estrogens in environmental waters treated with polymeric ionic liquid-based stir cake sorptive extraction and liquid chromatographic analysis. *Talanta*, **2016**, 152, 98-104	6.2	36
97	Applications of flow techniques in seawater analysis: A review. *Trends in Environmental Analytical Chemistry*, **2016**, 10, 1-10	12	35
96	On-line combining monolith-based in-tube solid phase microextraction and high-performance liquid chromatography- fluorescence detection for the sensitive monitoring of polycyclic aromatic hydrocarbons in complex samples. *Journal of Chromatography A*, **2018**, 1571, 29-37	4.5	35
95	Development of on-line monolith-based in-tube solid phase microextraction for the sensitive determination of triazoles in environmental waters. *Talanta*, **2018**, 184, 411-417	6.2	34
94	Reverse flow injection analysis of nanomolar soluble reactive phosphorus in seawater with a long path length liquid waveguide capillary cell and spectrophotometric detection. *Talanta*, **2009**, 78, 315-20	6.2	32
93	Flow injection analysis of ultratrace orthophosphate in seawater with solid-phase enrichment and luminol chemiluminescence detection. *Analytica Chimica Acta*, **2006**, 571, 184-90	6.6	32
92	On-Line Solid Phase Extraction and Spectrophotometric Detection with Flow Technique for the Determination of Nanomolar Level Ammonium in Seawater Samples. *Analytical Letters*, **2011**, 44, 310-326	2.2	31
91	Preparation of stir cake sorptive extraction based on polymeric ionic liquid for the enrichment of benzimidazole anthelmintics in water, honey and milk samples. *Analytica Chimica Acta*, **2014**, 840, 33-41	6.6	30
90	An automatic gas-phase molecular absorption spectrometric system using a UV-LED photodiode based detector for determination of nitrite and total nitrate. *Talanta*, **2011**, 84, 443-50	6.2	30
89	Simultaneous determination of nanomolar nitrite and nitrate in seawater using reverse flow injection analysis coupled with a long path length liquid waveguide capillary cell. *Talanta*, **2013**, 117, 456-62	6.2	29
88	Extraction of trace nitrophenols in environmental water samples using boronate affinity sorbent. *Analytica Chimica Acta*, **2015**, 899, 75-84	6.6	28
87	A new polymeric ionic liquid-based magnetic adsorbent for the extraction of inorganic anions in water samples. *Journal of Chromatography A*, **2015**, 1403, 37-44	4.5	28
86	Flow injection analysis of nanomolar level orthophosphate in seawater with solid phase enrichment and colorimetric detection. *Marine Chemistry*, **2007**, 103, 122-130	3.7	28
85	A flow-batch manipulated Ag NPs based SPR sensor for colorimetric detection of copper ions (Cu) in water samples. *Talanta*, **2017**, 167, 310-316	6.2	26
84	Development of analytical methods for ammonium determination in seawater over the last two decades. *TrAC - Trends in Analytical Chemistry*, **2019**, 119, 115627	14.6	26
83	Simultaneous determination of total dissolved nitrogen and total dissolved phosphorus in natural waters with an on-line UV and thermal digestion. *Talanta*, **2018**, 185, 419-426	6.2	24
82	Simultaneous determination of nitrite and nitrate at nanomolar level in seawater using on-line solid phase extraction hyphenated with liquid waveguide capillary cell for spectrophotometric detection. *Mikrochimica Acta*, **2009**, 165, 427-435	5.8	24

81	Determination of Ammonium in Seawater by Purge-and-Trap and Flow Injection with Fluorescence Detection. *Analytical Letters*, **2016**, 49, 665-675	2.2	23
80	Redox speciation analysis of dissolved iron in estuarine and coastal waters with on-line solid phase extraction and graphite furnace atomic absorption spectrometry detection. *Talanta*, **2015**, 137, 25-30	6.2	23
79	Assessment of the bioaccessibility of polycyclic aromatic hydrocarbons in topsoils from different urban functional areas using an in vitro gastrointestinal test. *Environmental Monitoring and Assessment*, **2010**, 166, 29-39	3.1	23
78	Preparation of a new sorbent based on boronate affinity monolith and evaluation of its extraction performance for nitrogen-containing pollutants. *Journal of Chromatography A*, **2014**, 1342, 8-15	4.5	22
77	Optimization of a salinity-interference-free indophenol method for the determination of ammonium in natural waters using o-phenylphenol. *Talanta*, **2018**, 179, 608-614	6.2	21
76	Automated syringe-pump-based flow-batch analysis for spectrophotometric determination of trace hexavalent chromium in water samples. *Microchemical Journal*, **2019**, 145, 1135-1142	4.8	21
75	Natural stable isotopic compositions of mercury in aerosols and wet precipitations around a coal-fired power plant in Xiamen, southeast China. *Atmospheric Environment*, **2018**, 173, 72-80	5.3	21
74	Simultaneous determination of malachite green, crystal violet and their leuco-metabolites in aquaculture water samples using monolithic fiber-based solid-phase microextraction coupled with high performance liquid chromatography. *Analytical Methods*, **2015**, 7, 8138-8145	3.2	20
73	Reverse flow injection analysis method for catalytic spectrophotometric determination of iron in estuarine and coastal waters: a comparison with normal flow injection analysis. *Talanta*, **2012**, 93, 86-93	6.2	20
72	Fractionation of mercury stable isotopes during coal combustion and seawater flue gas desulfurization. *Applied Geochemistry*, **2017**, 76, 159-167	3.5	19
71	Automated determination of ammonium in natural waters with reverse flow injection analysis based on the indophenol blue method with o-phenylphenol. *Microchemical Journal*, **2018**, 138, 519-525	4.8	18
70	Development of an Integrated Syringe-Pump-Based Environmental-Water Analyzer (iSEA) and Application of It for Fully Automated Real-Time Determination of Ammonium in Fresh Water. *Analytical Chemistry*, **2018**, 90, 6431-6435	7.8	18
69	Rapid speciation of trace iron in rainwater by reverse flow injection analysis coupled to a long path length liquid waveguide capillary cell and spectrophotometric detection. *Mikrochimica Acta*, **2009**, 166, 221-228	5.8	17
68	Loop flow analysis of dissolved reactive phosphorus in aqueous samples. *Talanta*, **2014**, 123, 218-23	6.2	16
67	Effect of environmental factors on the complexation of iron and humic acid. *Journal of Environmental Sciences*, **2015**, 27, 188-96	6.4	16
66	High-frequency underway analysis of ammonium in coastal waters using an integrated syringe-pump-based environmental-water analyzer (iSEA). *Talanta*, **2019**, 195, 638-646	6.2	16
65	Determination of total phosphorus in natural waters with a simple neutral digestion method using sodium persulfate. *Limnology and Oceanography: Methods*, **2017**, 15, 372-380	2.6	15
64	Variations in the isotopic composition of stable mercury isotopes in typical mangrove plants of the Jiulong estuary, SE China. *Environmental Science and Pollution Research*, **2017**, 24, 1459-1468	5.1	15

63	Simultaneous underway analysis of nitrate and nitrite in estuarine and coastal waters using an automated integrated syringe-pump-based environmental-water analyzer. *Analytica Chimica Acta*, **2019**, 1076, 100-109	6.6	15
62	Solid phase extraction coupled with a liquid waveguide capillary cell for simultaneous redox speciation analysis of dissolved iron in estuarine and coastal waters. *Analytical Methods*, **2015**, 7, 4971-4978	3.2	15
61	Real-time redox speciation of iron in estuarine and coastal surface waters. *Environmental Science & Technology*, **2015**, 49, 3619-27	10.3	15
60	Porous monolith-based magnetism-reinforced in-tube solid phase microextraction of sulfonylurea herbicides in water and soil samples. *Journal of Chromatography A*, **2020**, 1613, 460672	4.5	15
59	Development and application of a shipboard method for spectrophotometric determination of trace dissolved manganese in estuarine and coastal waters. *Continental Shelf Research*, **2015**, 92, 37-43	2.4	14
58	Sequential determination of multi-nutrient elements in natural water samples with a reverse flow injection system. *Talanta*, **2017**, 167, 166-171	6.2	13
57	Underway analysis of nanomolar dissolved reactive phosphorus in oligotrophic seawater with automated on-line solid phase extraction and spectrophotometric system. *Analytica Chimica Acta*, **2017**, 950, 80-87	6.6	13
56	Mercury isotope signatures of seawater discharged from a coal-fired power plant equipped with a seawater flue gas desulfurization system. *Environmental Pollution*, **2016**, 214, 822-830	9.3	12
55	Spectrophotometric determination of pH and carbonate ion concentrations in seawater: Choices, constraints and consequences. *Analytica Chimica Acta*, **2019**, 1081, 18-31	6.6	11
54	A catalytic spectrophotometric method for determination of nanomolar manganese in seawater using reverse flow injection analysis and a long path length liquid waveguide capillary cell. *Talanta*, **2018**, 178, 577-582	6.2	11
53	Mercury distribution in seawater discharged from a coal-fired power plant equipped with a seawater flue gas desulfurization system. *Environmental Science and Pollution Research*, **2011**, 18, 1324-32	5.1	11
52	Mercury species in seawater and sediment of Xiamen western sea area adjacent to a coal-fired power plant. *Water Environment Research*, **2010**, 82, 335-41	2.8	11
51	A modified analytical method for the shipboard determination of nanomolar concentrations of orthophosphate in seawater. *Journal of Oceanography*, **2008**, 64, 443-449	1.9	11
50	An automatic reserve flow injection method using vanadium (III) reduction for simultaneous determination of nitrite and nitrate in estuarine and coastal waters. *Talanta*, **2019**, 195, 613-618	6.2	11
49	Development and application of a portable fluorescence detector for shipboard analysis of ammonium in estuarine and coastal waters. *Analytical Methods*, **2018**, 10, 1781-1787	3.2	10
48	Preparation of sorbent based on porous monolith incorporated with graphene oxide nanosheets for stir cake sorptive extraction of strongly polar aromatic amines. *Analytical Methods*, **2014**, 6, 1510	3.2	10
47	Sequential injection spectrophotometric determination of nanomolar nitrite in seawater by on-line preconcentration with HLB cartridge. *Acta Oceanologica Sinica*, **2010**, 29, 100-107	1	10
46	Vertical distribution of total mercury and methylmercury in sediment of the Fugong mangrove area at Jiulong River Estuary, Fujian, China. *Water Environment Research*, **2013**, 85, 522-9	2.8	9

45	A Novel Active Sampler Coupling Osmotic Pump and Solid Phase Extraction for in Situ Sampling of Organic Pollutants in Surface Water. *Environmental Science & Technology*, **2019**, 53, 2579-2585	10.3	8
44	The distribution and sea-air transfer of volatile mercury in waste post-desulfurization seawater discharged from a coal-fired power plant. *Environmental Science and Pollution Research*, **2013**, 20, 6191-200	5.1	8
43	Determination of Nitrite, Phosphate, and Silicate by Valveless Continuous Analysis with a Bubble-Free Flow Cell and Spectrophotometric Detection. *Analytical Letters*, **2017**, 50, 510-529	2.2	7
42	Application of an Isotope Binary Mixing Model for Determination of Precise Mercury Isotopic Composition in Samples with Low Mercury Concentration. *Analytical Chemistry*, **2019**, 91, 7063-7069	7.8	7
41	Preparation of monolithic fibers based on dual functional monomers for solid-phase microextraction of sudan dyes in tomato sauce and egg yolk samples. *Analytical Methods*, **2015**, 7, 551-559	3.2	7
40	The extent of the influence and flux estimation of volatile mercury from the aeration pool in a typical coal-fired power plant equipped with a seawater flue gas desulfurization system. *Science of the Total Environment*, **2013**, 444, 559-64	10.2	7
39	On-line solid-phase extraction coupled with liquid chromatography/electrospray ionization mass spectrometry for the determination of trace tributyltin and triphenyltin in water samples. *Rapid Communications in Mass Spectrometry*, **2009**, 23, 3795-802	2.2	7
38	An automated spectrophotometric method for the direct determination of nitrite and nitrate in seawater: Nitrite removal with sulfamic acid before nitrate reduction using the vanadium reduction method. *Microchemical Journal*, **2020**, 158, 105272	4.8	7
37	Mercury isotope fractionation during transfer from post-desulfurized seawater to air. *Marine Pollution Bulletin*, **2016**, 113, 81-86	6.7	7
36	In-field determination of trace dissolved manganese in estuarine and coastal waters with automatic on-line preconcentration and flame atomic fluorescence spectrometry. *Analytica Chimica Acta*, **2017**, 963, 53-60	6.6	6
35	Automated Determination of Dissolved Reactive Phosphorus at Nanomolar to Micromolar Levels in Natural Waters Using a Portable Flow Analyzer. *Analytical Chemistry*, **2020**, 92, 4379-4386	7.8	6
34	Automated determination of nitrite in aqueous samples with an improved integrated flow loop analyzer. *Sensors and Actuators B: Chemical*, **2016**, 237, 710-714	8.5	6
33	A simple and cost-effective manual solid phase extraction method for the determination of nanomolar dissolved reactive phosphorus in aqueous samples. *Limnology and Oceanography: Methods*, **2016**, 14, 79-86	2.6	6
32	Environmental impact factors and mercury speciation in the sediment along Fujian and eastern Guangdong coasts. *Acta Oceanologica Sinica*, **2013**, 32, 76-80	1	6
31	Short-term dynamics of nutrients influenced by upwelling in a small oligotrophic coastal ecosystem, Gan Bay, in the northwest Philippines. *Progress in Natural Science: Materials International*, **2009**, 19, 595-601	3.6	6
30	On-site detection of nitrate plus nitrite in natural water samples using smartphone-based detection. *Microchemical Journal*, **2021**, 165, 106117	4.8	6
29	In situ measurement of dissolved Fe(II) in sediment pore water with a novel sensor based on C18-ferrozine concentration and optical imaging detection. *Analytical Methods*, **2019**, 11, 133-141	3.2	5
28	A sensitive method for the determination of ultra trace levels of reactive bromine species in water using LC-MS/MS. *Talanta*, **2019**, 199, 567-572	6.2	5

27	Automated spectrophotometric determination of carbonate ion concentration in seawater using a portable syringe pump based analyzer. *Marine Chemistry*, **2019**, 209, 120-127	3.7	4
26	A solid phase extraction method for analysis of the iron□humic acid complex in natural water. *Analytical Methods*, **2014**, 6, 5519-5526	3.2	4
25	An automatic Flow System of Rapid on-Line Digestion and Pre-Concentration for In-Field Determination of Trace Total Mercury in Seawater. *Analytical Letters*, **2012**, 45, 1321-1331	2.2	4
24	Developing on-site paper colorimetric monitoring technique for quick evaluating copper ion concentration in mineral wastewater. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 196, 392-397	4.4	3
23	A sensitive flow-injection analysis method with iminodiacetate chelation and spectrophotometric detection for on board determination of trace dissolved aluminum in seawater. *Analytical Methods*, **2016**, 8, 4473-4481	3.2	3
22	Effect on the Photo-production of Dissolved Gaseous Mercury in Post-desulfurized Seawater Discharged from a Coal-Fired Power Plant. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	3
21	Determination of nine emerging pesticides at trace level in aqueous samples using fully automated on-line solid phase extraction coupled with liquid chromatography-mass spectrometry. *International Journal of Environmental Analytical Chemistry*, **2013**, 93, 970-983	1.8	3
20	Towards citizen science. On-site detection of nitrite and ammonium using a smartphone and social media software.. *Science of the Total Environment*, **2022**, 152613	10.2	3
19	Spectrophotometric flow injection determination of dissolved titanium in seawater exploiting in-line nitrilotriacetic acid resin preconcentration and a long path length liquid waveguide capillary cell. *Analytica Chimica Acta*, **2019**, 1053, 54-61	6.6	3
18	Development and application of a shipboard method for spectrophotometric determination of nanomolar dissolved sulfide in estuarine surface waters using reverse flow injection analysis coupled with a long path length liquid waveguide capillary cell. *Microchemical Journal*, **2021**, 168, 106522	4.8	3
17	Development of an online analyzer for determination of total phosphorus in industrial circulating cooling water with UV photooxidation digestion and spectrophotometric detection. *Talanta*, **2019**, 201, 74-81	6.2	2
16	High-performance liquid chromatographic determination of 2-aminoethylphosphonic acid and 2-amino-3-phosphonopropionic acid in seawater matrix using precolumn fluorescence derivatization with o-phthalaldehyde-ethanethiol. *Journal of Chromatography A*, **2018**, 1571, 147-154	4.5	2
15	Determination of nanomolar dissolved sulfides in water by coupling the classical methylene blue method with surface-enhanced Raman scattering detection. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 248, 119162	4.4	2
14	Distribution and Transformation of Mercury in Subtropical Wild-Caught Seafood from the Southern Taiwan Strait. *Biological Trace Element Research*, **2021**, 1	4.5	2
13	Flow injection analysis method with on-line resin separation for determining trace Fe(II) and Fe(II□+□III) using catalytic spectrophotometry. *Microchemical Journal*, **2021**, 162, 105840	4.8	2
12	A novel ammonium-free seawater preparation method for determination of trace quantities of ammonium in seawater. *Limnology and Oceanography: Methods*, **2018**, 16, 51-56	2.6	2
11	Mercury concentration and isotopic composition on different atmospheric particles (PM10 and PM2.5) in the subtropical coastal suburb of Xiamen Bay, Southern China. *Atmospheric Environment*, **2021**, 261, 118604	5.3	2
10	Determination of Aluminum in Natural Waters by Flow Injection Analysis with Spectrophotometric Detection. *Analytical Letters*, **2016**, 49, 1669-1680	2.2	1

9	Membrane preconcentration of iron in seawater samples and on-site determination in spectrophotometry. *Chinese Journal of Oceanology and Limnology*, **2012**, 30, 315-320		1
8	An Analyzer for Two-Dimensional Fe(II) Distribution in Sediment Pore Water Based on Ferrozine Coloration and Computer Imaging Densitometry. *ACS Omega*, **2020**, 5, 31551-31558	3.9	1
7	Measuring of time-series concentrations of nutrients in surface waters using osmotic sampler with air bubble segmentation and preservative addition. *Science of the Total Environment*, **2021**, 759, 143538	10.2	1
6	A modified method of on-line solid phase extraction and fluorometric detection for underway monitoring and onboard analysis of trace ammonium in seawater. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2021**, 173, 103547	2.5	1
5	Toward a versatile flow technique: Development and application of reverse flow dual-injection analysis (rFDIA) for determining dissolved iron redox species and soluble reactive phosphorus in seawater. *Talanta*, **2021**, 232, 122404	6.2	1
4	Improving the measurement of total dissolved sulfide in natural waters: A new on-site flow injection analysis method.. *Science of the Total Environment*, **2022**, 829, 154594	10.2	0
3	A shipboard method for catalytic kinetic spectrophotometric determination of trace Cu(II) concentrations in seawater using reverse flow injection analysis coupled with a long path length liquid waveguide capillary cell. *Microchemical Journal*, **2022**, 179, 107441	4.8	0
2	Development of an anti-chloride interference and high sensitivity on-line analyzer for analysis of total phosphorus in industrial circulating cooling water. *Measurement: Journal of the International Measurement Confederation*, **2021**, 178, 109351	4.6	
1	Time-series sampling of trace metals in surface waters using osmotic sampler with air segmentation and preservative addition. *Science of the Total Environment*, **2021**, 800, 149517	10.2	