Dongxing Yuan

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.

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

#	Paper	IF	Citations
116	Towards citizen science. On-site detection of nitrite and ammonium using a smartphone and social media software <i>Science of the Total Environment</i> , 2022 , 152613	10.2	3
115	Improving the measurement of total dissolved sulfide in natural waters: A new on-site flow injection analysis method <i>Science of the Total Environment</i> , 2022 , 829, 154594	10.2	O
114	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. <i>Microchemical Journal</i> , 2022 , 179, 107441	4.8	O
113	Determination of nanomolar dissolved sulfides in water by coupling the classical methylene blue method with surface-enhanced Raman scattering detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 248, 119162	4.4	2
112	Distribution and Transformation of Mercury in Subtropical Wild-Caught Seafood from the Southern Taiwan Strait. <i>Biological Trace Element Research</i> , 2021 , 1	4.5	2
111	On-site detection of nitrate plus nitrite in natural water samples using smartphone-based detection. <i>Microchemical Journal</i> , 2021 , 165, 106117	4.8	6
110	Development of an anti-chloride interference and high sensitivity on-line analyzer for analysis of total phosphorus in industrial circulating cooling water. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 178, 109351	4.6	
109	Measuring of time-series concentrations of nutrients in surface waters using osmotic sampler with air bubble segmentation and preservative addition. <i>Science of the Total Environment</i> , 2021 , 759, 143538	10.2	1
108	Flow injection analysis method with on-line resin separation for determining trace Fe(II) and Fe(III-III) using catalytic spectrophotometry. <i>Microchemical Journal</i> , 2021 , 162, 105840	4.8	2
107	A modified method of on-line solid phase extraction and fluorometric detection for underway monitoring and onboard analysis of trace ammonium in seawater. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021 , 173, 103547	2.5	1
106	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. <i>Microchemical Journal</i> , 2021 , 168, 10652	4.8 2	3
105	Mercury concentration and isotopic composition on different atmospheric particles (PM10 and PM2.5) in the subtropical coastal suburb of Xiamen Bay, Southern China. <i>Atmospheric Environment</i> , 2021 , 261, 118604	5.3	2
104	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. <i>Talanta</i> , 2021 , 232, 122404	6.2	1
103	Time-series sampling of trace metals in surface waters using osmotic sampler with air segmentation and preservative addition. <i>Science of the Total Environment</i> , 2021 , 800, 149517	10.2	
102	Automated Determination of Dissolved Reactive Phosphorus at Nanomolar to Micromolar Levels in Natural Waters Using a Portable Flow Analyzer. <i>Analytical Chemistry</i> , 2020 , 92, 4379-4386	7.8	6
101	An Analyzer for Two-Dimensional Fe(II) Distribution in Sediment Pore Water Based on Ferrozine Coloration and Computer Imaging Densitometry. <i>ACS Omega</i> , 2020 , 5, 31551-31558	3.9	1
100	Porous monolith-based magnetism-reinforced in-tube solid phase microextraction of sulfonylurea herbicides in water and soil samples. <i>Journal of Chromatography A</i> , 2020 , 1613, 460672	4.5	15

(2018-2020)

99	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. <i>Microchemical Journal</i> , 2020 , 158, 105272	4.8	7
98	Development of analytical methods for ammonium determination in seawater over the last two decades. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 119, 115627	14.6	26
97	In situ measurement of dissolved Fe(II) in sediment pore water with a novel sensor based on C18-ferrozine concentration and optical imaging detection. <i>Analytical Methods</i> , 2019 , 11, 133-141	3.2	5
96	Automated spectrophotometric determination of carbonate ion concentration in seawater using a portable syringe pump based analyzer. <i>Marine Chemistry</i> , 2019 , 209, 120-127	3.7	4
95	A Novel Active Sampler Coupling Osmotic Pump and Solid Phase Extraction for in Situ Sampling of Organic Pollutants in Surface Water. <i>Environmental Science & Environmental Sc</i>	10.3	8
94	Simultaneous underway analysis of nitrate and nitrite in estuarine and coastal waters using an automated integrated syringe-pump-based environmental-water analyzer. <i>Analytica Chimica Acta</i> , 2019 , 1076, 100-109	6.6	15
93	Spectrophotometric determination of pH and carbonate ion concentrations in seawater: Choices, constraints and consequences. <i>Analytica Chimica Acta</i> , 2019 , 1081, 18-31	6.6	11
92	Application of an Isotope Binary Mixing Model for Determination of Precise Mercury Isotopic Composition in Samples with Low Mercury Concentration. <i>Analytical Chemistry</i> , 2019 , 91, 7063-7069	7.8	7
91	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. <i>Talanta</i> , 2019 , 199, 499-506	6.2	50
90	A sensitive method for the determination of ultra trace levels of reactive bromine species in water using LC-MS/MS. <i>Talanta</i> , 2019 , 199, 567-572	6.2	5
89	Development of an online analyzer for determination of total phosphorus in industrial circulating cooling water with UV photooxidation digestion and spectrophotometric detection. <i>Talanta</i> , 2019 , 201, 74-81	6.2	2
88	Automated syringe-pump-based flow-batch analysis for spectrophotometric determination of trace hexavalent chromium in water samples. <i>Microchemical Journal</i> , 2019 , 145, 1135-1142	4.8	21
87	An automatic reserve flow injection method using vanadium (III) reduction for simultaneous determination of nitrite and nitrate in estuarine and coastal waters. <i>Talanta</i> , 2019 , 195, 613-618	6.2	11
86	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. <i>Analytica Chimica Acta</i> , 2019 , 1053, 54-61	6.6	3
85	High-frequency underway analysis of ammonium in coastal waters using an integrated syringe-pump-based environmental-water analyzer (iSEA). <i>Talanta</i> , 2019 , 195, 638-646	6.2	16
84	Development and application of a portable fluorescence detector for shipboard analysis of ammonium in estuarine and coastal waters. <i>Analytical Methods</i> , 2018 , 10, 1781-1787	3.2	10
83	Developing on-site paper colorimetric monitoring technique for quick evaluating copper ion concentration in mineral wastewater. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 196, 392-397	4.4	3
82	Automated determination of ammonium in natural waters with reverse flow injection analysis based on the indophenol blue method with o-phenylphenol. <i>Microchemical Journal</i> , 2018 , 138, 519-525	4.8	18

81	Optimization of a salinity-interference-free indophenol method for the determination of ammonium in natural waters using o-phenylphenol. <i>Talanta</i> , 2018 , 179, 608-614	6.2	21
80	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. <i>Analytical Chemistry</i> , 2018 , 90, 6431-6435	7.8	18
79	Development of on-line monolith-based in-tube solid phase microextraction for the sensitive determination of triazoles in environmental waters. <i>Talanta</i> , 2018 , 184, 411-417	6.2	34
78	Simultaneous determination of total dissolved nitrogen and total dissolved phosphorus in natural waters with an on-line UV and thermal digestion. <i>Talanta</i> , 2018 , 185, 419-426	6.2	24
77	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. <i>Talanta</i> , 2018 , 178, 577-582	6.2	11
76	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. <i>Journal of Chromatography A</i> , 2018 , 1571, 29-37	4.5	35
75	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. <i>Journal of Chromatography A</i> , 2018 , 1571, 147-154	4.5	2
74	A novel ammonium-free seawater preparation method for determination of trace quantities of ammonium in seawater. <i>Limnology and Oceanography: Methods</i> , 2018 , 16, 51-56	2.6	2
73	Natural stable isotopic compositions of mercury in aerosols and wet precipitations around a coal-fired power plant in Xiamen, southeast China. <i>Atmospheric Environment</i> , 2018 , 173, 72-80	5.3	21
72	Determination of Nitrite, Phosphate, and Silicate by Valveless Continuous Analysis with a Bubble-Free Flow Cell and Spectrophotometric Detection. <i>Analytical Letters</i> , 2017 , 50, 510-529	2.2	7
71	Determination of total phosphorus in natural waters with a simple neutral digestion method using sodium persulfate. <i>Limnology and Oceanography: Methods</i> , 2017 , 15, 372-380	2.6	15
70	Sequential determination of multi-nutrient elements in natural water samples with a reverse flow injection system. <i>Talanta</i> , 2017 , 167, 166-171	6.2	13
69	A flow-batch manipulated Ag NPs based SPR sensor for colorimetric detection of copper ions (Cu) in water samples. <i>Talanta</i> , 2017 , 167, 310-316	6.2	26
68	In-field determination of trace dissolved manganese in estuarine and coastal waters with automatic on-line preconcentration and flame atomic fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 2017 , 963, 53-60	6.6	6
67	Underway analysis of nanomolar dissolved reactive phosphorus in oligotrophic seawater with automated on-line solid phase extraction and spectrophotometric system. <i>Analytica Chimica Acta</i> , 2017 , 950, 80-87	6.6	13
66	Fractionation of mercury stable isotopes during coal combustion and seawater flue gas desulfurization. <i>Applied Geochemistry</i> , 2017 , 76, 159-167	3.5	19
65	Variations in the isotopic composition of stable mercury isotopes in typical mangrove plants of the Jiulong estuary, SE China. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 1459-1468	5.1	15
64	Automated determination of nitrate plus nitrite in aqueous samples with flow injection analysis using vanadium (III) chloride as reductant. <i>Talanta</i> , 2016 , 146, 744-8	6.2	38

(2015-2016)

63	seawater matrix with high performance liquid chromatography and fluorescence detection. <i>Talanta</i> , 2016 , 161, 700-706	6.2	61
62	Automated determination of nitrite in aqueous samples with an improved integrated flow loop analyzer. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 710-714	8.5	6
61	A simple and cost-effective manual solid phase extraction method for the determination of nanomolar dissolved reactive phosphorus in aqueous samples. <i>Limnology and Oceanography: Methods</i> , 2016 , 14, 79-86	2.6	6
60	Mercury isotope signatures of seawater discharged from a coal-fired power plant equipped with a seawater flue gas desulfurization system. <i>Environmental Pollution</i> , 2016 , 214, 822-830	9.3	12
59	A sensitive flow-injection analysis method with iminodiacetate chelation and spectrophotometric detection for on board determination of trace dissolved aluminum in seawater. <i>Analytical Methods</i> , 2016 , 8, 4473-4481	3.2	3
58	Determination of Aluminum in Natural Waters by Flow Injection Analysis with Spectrophotometric Detection. <i>Analytical Letters</i> , 2016 , 49, 1669-1680	2.2	1
57	Sensitive determination of estrogens in environmental waters treated with polymeric ionic liquid-based stir cake sorptive extraction and liquid chromatographic analysis. <i>Talanta</i> , 2016 , 152, 98-10-	6.2	36
56	Determination of Ammonium in Seawater by Purge-and-Trap and Flow Injection with Fluorescence Detection. <i>Analytical Letters</i> , 2016 , 49, 665-675	2.2	23
55	Applications of flow techniques in seawater analysis: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2016 , 10, 1-10	12	35
54	Mercury isotope fractionation during transfer from post-desulfurized seawater to air. <i>Marine Pollution Bulletin</i> , 2016 , 113, 81-86	6.7	7
53	Simultaneous determination of 32 antibiotics and 12 pesticides in sediment using ultrasonic-assisted extraction and high performance liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2015 , 7, 1896-1905	3.2	40
52	Solid phase extraction coupled with a liquid waveguide capillary cell for simultaneous redox speciation analysis of dissolved iron in estuarine and coastal waters. <i>Analytical Methods</i> , 2015 , 7, 4971-4	978	15
51	Extraction of trace nitrophenols in environmental water samples using boronate affinity sorbent. <i>Analytica Chimica Acta</i> , 2015 , 899, 75-84	6.6	28
50	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. <i>Analytical Methods</i> , 2015 , 7, 8138-8145	3.2	20
49	Development and application of a shipboard method for spectrophotometric determination of trace dissolved manganese in estuarine and coastal waters. <i>Continental Shelf Research</i> , 2015 , 92, 37-43	2.4	14
48	Sensitive monitoring of trace nitrophenols in water samples using multiple monolithic fiber solid phase microextraction and liquid chromatographic analysis. <i>Talanta</i> , 2015 , 134, 89-97	6.2	48
47	Preparation of monolithic fibers based on dual functional monomers for solid-phase microextraction of sudan dyes in tomato sauce and egg yolk samples. <i>Analytical Methods</i> , 2015 , 7, 551-5	<u>3</u> 3	7
46	Effect on the Photo-production of Dissolved Gaseous Mercury in Post-desulfurized Seawater Discharged from a Coal-Fired Power Plant. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	3

45	A new polymeric ionic liquid-based magnetic adsorbent for the extraction of inorganic anions in water samples. <i>Journal of Chromatography A</i> , 2015 , 1403, 37-44	4.5	28
44	Sensitive monitoring of benzoylurea insecticides in water and juice samples treated with multiple monolithic fiber solid-phase microextraction and liquid chromatographic analysis. <i>Analytica Chimica Acta</i> , 2015 , 860, 29-36	6.6	48
43	Effect of environmental factors on the complexation of iron and humic acid. <i>Journal of Environmental Sciences</i> , 2015 , 27, 188-96	6.4	16
42	Redox speciation analysis of dissolved iron in estuarine and coastal waters with on-line solid phase extraction and graphite furnace atomic absorption spectrometry detection. <i>Talanta</i> , 2015 , 137, 25-30	6.2	23
41	Isotopic composition analysis of dissolved mercury in seawater with purge and trap preconcentration and a modified Hg introduction device for MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 353-359	3.7	38
40	Real-time redox speciation of iron in estuarine and coastal surface waters. <i>Environmental Science & Environmental Science</i>	10.3	15
39	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. <i>Journal of Chromatography A</i> , 2015 , 1385, 12-9	4.5	63
38	Loop flow analysis of dissolved reactive phosphorus in aqueous samples. <i>Talanta</i> , 2014 , 123, 218-23	6.2	16
37	Multiple monolithic fiber solid-phase microextraction: a new extraction approach for aqueous samples. <i>Journal of Chromatography A</i> , 2014 , 1345, 29-36	4.5	52
36	A modified method for on-line determination of trace ammonium in seawater with a long-path liquid waveguide capillary cell and spectrophotometric detection. <i>Marine Chemistry</i> , 2014 , 162, 114-121	3.7	37
35	A solid phase extraction method for analysis of the ironflumic acid complex in natural water. <i>Analytical Methods</i> , 2014 , 6, 5519-5526	3.2	4
34	Preparation of sorbent based on porous monolith incorporated with graphene oxide nanosheets for stir cake sorptive extraction of strongly polar aromatic amines. <i>Analytical Methods</i> , 2014 , 6, 1510	3.2	10
33	Determination of nanomolar levels of nutrients in seawater. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 60, 1-15	14.6	59
32	Preparation of stir cake sorptive extraction based on polymeric ionic liquid for the enrichment of benzimidazole anthelmintics in water, honey and milk samples. <i>Analytica Chimica Acta</i> , 2014 , 840, 33-41	6.6	30
31	Speciation and detection of arsenic in aqueous samples: a review of recent progress in non-atomic spectrometric methods. <i>Analytica Chimica Acta</i> , 2014 , 831, 1-23	6.6	115
30	Preparation of a new sorbent based on boronate affinity monolith and evaluation of its extraction performance for nitrogen-containing pollutants. <i>Journal of Chromatography A</i> , 2014 , 1342, 8-15	4.5	22
29	Environmental impact factors and mercury speciation in the sediment along Fujian and eastern Guangdong coasts. <i>Acta Oceanologica Sinica</i> , 2013 , 32, 76-80	1	6
28	A sensitive flow-batch system for on board determination of ultra-trace ammonium in seawater: Method development and shipboard application. <i>Analytica Chimica Acta</i> , 2013 , 794, 47-54	6.6	46

(2009-2013)

27	The study of lead removal from aqueous solution using an electrochemical method with a stainless steel net electrode coated with single wall carbon nanotubes. <i>Chemical Engineering Journal</i> , 2013 , 218, 81-88	14.7	82
26	The distribution and sea-air transfer of volatile mercury in waste post-desulfurization seawater discharged from a coal-fired power plant. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 6191-	250	8
25	Simultaneous determination of nanomolar nitrite and nitrate in seawater using reverse flow injection analysis coupled with a long path length liquid waveguide capillary cell. <i>Talanta</i> , 2013 , 117, 456-62	6.2	29
24	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. <i>Science of the Total Environment</i> , 2013 , 444, 559-64	10.2	7
23	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
22	Automated spectrophotometric analyzer for rapid single-point titration of seawater total alkalinity. <i>Environmental Science & Environmental Science & </i>	10.3	44
21	Vertical distribution of total mercury and methylmercury in sediment of the Fugong mangrove area at Jiulong River Estuary, Fujian, China. <i>Water Environment Research</i> , 2013 , 85, 522-9	2.8	9
20	Reverse flow injection analysis method for catalytic spectrophotometric determination of iron in estuarine and coastal waters: a comparison with normal flow injection analysis. <i>Talanta</i> , 2012 , 93, 86-93	6.2	20
19	An automatic Flow System of Rapid on-Line Digestion and Pre-Concentration for In-Field Determination of Trace Total Mercury in Seawater. <i>Analytical Letters</i> , 2012 , 45, 1321-1331	2.2	4
18	Membrane preconcentration of iron in seawater samples and on-site determination in spectrophotometry. <i>Chinese Journal of Oceanology and Limnology</i> , 2012 , 30, 315-320		1
17	An automatic gas-phase molecular absorption spectrometric system using a UV-LED photodiode based detector for determination of nitrite and total nitrate. <i>Talanta</i> , 2011 , 84, 443-50	6.2	30
16	Mercury distribution in seawater discharged from a coal-fired power plant equipped with a seawater flue gas desulfurization system. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 1324-	3 ⁵ 2 ¹	11
15	On-Line Solid Phase Extraction and Spectrophotometric Detection with Flow Technique for the Determination of Nanomolar Level Ammonium in Seawater Samples. <i>Analytical Letters</i> , 2011 , 44, 310-3	2 2 .2	31
14	Mercury species in seawater and sediment of Xiamen western sea area adjacent to a coal-fired power plant. <i>Water Environment Research</i> , 2010 , 82, 335-41	2.8	11
13	Sequential injection spectrophotometric determination of nanomolar nitrite in seawater by on-line preconcentration with HLB cartridge. <i>Acta Oceanologica Sinica</i> , 2010 , 29, 100-107	1	10
12	Assessment of the bioaccessibility of polycyclic aromatic hydrocarbons in topsoils from different urban functional areas using an in vitro gastrointestinal test. <i>Environmental Monitoring and Assessment</i> , 2010 , 166, 29-39	3.1	23
11	Short-term dynamics of nutrients influenced by upwelling in a small oligotrophic coastal ecosystem, Gan Bay, in the northwest Philippines. <i>Progress in Natural Science: Materials International</i> , 2009 , 19, 595-601	3.6	6
10	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. <i>Mikrochimica Acta</i> , 2009 , 165, 427-435	5.8	24

9	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. <i>Mikrochimica Acta</i> , 2009 , 166, 221-228	5.8	17
8	On-line solid-phase extraction coupled with liquid chromatography/electrospray ionization mass spectrometry for the determination of trace tributyltin and triphenyltin in water samples. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 3795-802	2.2	7
7	Preparation of solid-phase microextraction fiber coated with single-walled carbon nanotubes by electrophoretic deposition and its application in extracting phenols from aqueous samples. <i>Journal of Chromatography A</i> , 2009 , 1216, 1305-11	4.5	126
6	Reverse flow injection analysis of nanomolar soluble reactive phosphorus in seawater with a long path length liquid waveguide capillary cell and spectrophotometric detection. <i>Talanta</i> , 2009 , 78, 315-20	6.2	32
5	A modified analytical method for the shipboard determination of nanomolar concentrations of orthophosphate in seawater. <i>Journal of Oceanography</i> , 2008 , 64, 443-449	1.9	11
4	Sequential injection analysis of nanomolar soluble reactive phosphorus in seawater with HLB solid phase extraction. <i>Marine Chemistry</i> , 2008 , 111, 151-159	3.7	42
3	In-field determination of nanomolar nitrite in seawater using a sequential injection technique combined with solid phase enrichment and colorimetric detection. <i>Analytica Chimica Acta</i> , 2008 , 620, 82-8	6.6	39
2	Flow injection analysis of nanomolar level orthophosphate in seawater with solid phase enrichment and colorimetric detection. <i>Marine Chemistry</i> , 2007 , 103, 122-130	3.7	28
1	Flow injection analysis of ultratrace orthophosphate in seawater with solid-phase enrichment and luminol chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2006 , 571, 184-90	6.6	32