Serife Tokalioglu

List of Publications by Year
in descending order

67 papers	2,784 citations	186265 28 h-index	182427 51 g-index
68 all docs	68 docs citations	68 times ranked	3050 citing authors

#	Article	IF	Citations
1	Fractionation of metals in street sediment samples by using the BCR sequential extraction procedure and multivariate statistical elucidation of the data. Journal of Hazardous Materials, 2006, 132, 80-89.	12.4	262
2	Determination of heavy metals and their speciation in lake sediments by flame atomic absorption spectrometry after a four-stage sequential extraction procedure. Analytica Chimica Acta, 2000, 413, 33-40.	5.4	238
3	Multivariate analysis of the data and speciation of heavy metals in street dust samples from the Organized Industrial District in Kayseri (Turkey). Atmospheric Environment, 2006, 40, 2797-2805.	4.1	203
4	Determination of trace elements in commonly consumed medicinal herbs by ICP-MS and multivariate analysis. Food Chemistry, 2012, 134, 2504-2508.	8.2	186
5	Determination of lead and cadmium in food samples by the coprecipitation method. Food Chemistry, 2009, 113, 1314-1317.	8.2	120
6	Determination of palladium in various samples by atomic absorption spectrometry after preconcentration with dimethylglyoxime on silica gel. Analytica Chimica Acta, 2004, 511, 255-260.	5.4	106
7	Core–shell Fe3O4 polydopamine nanoparticles as sorbent for magnetic dispersive solid-phase extraction of copper from food samples. Food Chemistry, 2018, 263, 232-239.	8.2	105
8	Heavy metal speciation in various grain sizes of industrially contaminated street dust using multivariate statistical analysis. Ecotoxicology and Environmental Safety, 2016, 124, 369-376.	6.0	97
9	Zirconium-based highly porous metal-organic framework (MOF-545) as an efficient adsorbent for vortex assisted-solid phase extraction of lead from cereal, beverage and water samples. Food Chemistry, 2017, 237, 707-715.	8.2	97
10	Speciation and Determination of Heavy Metals in Lake Waters by Atomic Absorption Spectrometry after Sorption on Amberlite XAD-16 Resin.. Analytical Sciences, 2000, 16, 1169-1174.	1.6	70
11	Selective determination of copper and iron in various food samples by the solid phase extraction. Food Chemistry, 2010, 123, 183-187.	8.2	67
12	Magnetic dispersive solid phase extraction with graphene/ZnFe 2 O 4 nanocomposite adsorbent for the sensitive determination of mercury in water and fish samples by cold vapor atomic absorption spectrometry. Microchemical Journal, 2018, 142, 85-93.	4.5	59
13	Indirect speciation of Cr(III) and Cr(VI) in water samples by selective separation and preconcentration on a newly synthesized chelating resin. Analytica Chimica Acta, 2009, 645, 36-41.	5.4	54
14	Nanosized spongelike Mn3O4 as an adsorbent for preconcentration by vortex assisted solid phase extraction of copper and lead in various food and herb samples. Food Chemistry, 2016, 194, 463-469.	8.2	54
15	A graphene/Co3O4 nanocomposite as a new adsorbent for solid phase extraction of Pb(ii), Cu(ii) and Fe(iii) ions in various samples. RSC Advances, 2013, 3, 24650.	3.6	50
16	Investigation of heavy-metal uptake by vegetables growing in contaminated soils using the modified BCR sequential extraction method. International Journal of Environmental Analytical Chemistry, 2006, 86, 417-430.	3.3	49
17	Coprecipitation of lead and cadmium using copper(II) mercaptobenzothiazole prior to flame atomic absorption spectrometric determination. Mikrochimica Acta, 2007, 159, 133-139.	5.0	46
18	Synthesis of a novel chelating resin and its use for selective separation and preconcentration of some trace metals in water samples. Journal of Hazardous Materials, 2009, 169, 593-598.	12.4	45

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19	Bioaccessibility of Cr, Cu, Fe, Mg, Mn, Mo, Se and Zn from nutritional supplements by the unified BARGE method. Food Chemistry, 2014, 150, 321-327.	8.2	45
20	Nano sponge Mn_2O_3 as a new adsorbent for the preconcentration of Pd(II) and Rh(III) ions in sea water, wastewater, rock, street sediment and catalytic converter samples prior to FAAS determinations. Talanta, 2014, 128, 31-37.	5.5	39
21	Ionic liquid coated carbon nanospheres as a new adsorbent for fast solid phase extraction of trace copper and lead from sea water, wastewater, street dust and spice samples. Talanta, 2016, 159, 222-230.	5.5	37
22	Solid phase extraction of Cu(II), Ni(II), Pb(II), Cd(II) and Mn(II) ions with 1-(2-thiazolylazo)-2-naphthol loaded Amberlite XAD-1180. Environmental Monitoring and Assessment, 2009, 152, 369-377.	2.7	36
23	Ultralayered Co_3O_4 as a new adsorbent for preconcentration of Pb(II) from water, food, sediment and tobacco samples. Talanta, 2013, 115, 724-729.	5.5	36
24	Separation/preconcentration of trace Pb(II) and Cd(II) with 2-mercaptobenzothiazole impregnated Amberlite XAD-1180 resin and their determination by flame atomic absorption spectrometry. Arabian Journal of Chemistry, 2017, 10, 19-23.	4.9	35
25	Dispersive solid-phase extraction with tannic acid functionalized graphene adsorbent for the preconcentration of trace beryllium from water and street dust samples. Talanta, 2018, 190, 397-402.	5.5	34
26	Preconcentration of trace elements by using 1-(2-Pyridylazo)-2-naphthol functionalized Amberlite XAD-1180 resin and their determination by FAAS. Journal of the Brazilian Chemical Society, 2006, 17, 98-106.	0.6	32
27	Trace metals in tissues of the six most common fish species in the Black Sea, Turkey. Food Additives and Contaminants: Part B Surveillance, 2015, 8, 25-31.	2.8	32
28	Determination of Heavy Metals in Soil Extracts and Plant Tissues at Around of a Zinc Smelter. International Journal of Environmental Analytical Chemistry, 2001, 80, 201-217.	3.3	28
29	A new solid-phase extraction method for the determination of Cu(II) and Fe(III) in various samples by flame atomic absorption spectrometry using N-benzoyl-N-phenylhydroxylamine. Mikrochimica Acta, 2009, 164, 471-477.	5.0	28
30	An Assessment on Metal Sources by Multivariate Analysis and Speciation of Metals in Soil Samples Using the BCR Sequential Extraction Procedure. Clean - Soil, Air, Water, 2010, 38, 713-718.	1.1	28
31	Multivariate Statistical Analysis of Data and ICP-MS Determination of Heavy Metals in Different Brands of Spices Consumed in Kayseri, Turkey. Food Analytical Methods, 2018, 11, 2407-2418.	2.6	27
32	Relationship between vegetable metal and soil-extractable metal contents by the BCR sequential extraction procedure: chemometrical interpretation of the data. International Journal of Environmental Analytical Chemistry, 2003, 83, 935-952.	3.3	26
33	Bioavailability of Soil–Extractable Metals to Tea Plant by BCR Sequential Extraction Procedure. Instrumentation Science and Technology, 2004, 32, 387-400.	1.8	26
34	Solid phase extraction of Pd(II) on a newly synthesized chelating resin prior to determination by flame atomic absorption spectrometry. Mikrochimica Acta, 2009, 165, 347-352.	5.0	26
35	Comparison of three sequential extraction procedures for partitioning of heavy metals in car park dusts. Journal of Environmental Monitoring, 2003, 5, 468-476.	2.1	24
36	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–quadrupole ICP–MS. Talanta, 2015, 133, 162-169.	5.5	24

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37	Statistical Evaluation of Bioavailability of Metals to Grapes Growing in Contaminated Vineyard Soils using Single Extractants. International Journal of Environmental Analytical Chemistry, 2004, 84, 691-705.	3.3	23
38	Atomic absorption spectrometric determination of Cd(II), Mn(II), Ni(II), Pb(II) and Zn(II) ions in water, fertilizer and tea samples after preconcentration on Amberlite XAD-1180 resin loaded with l-(2-pyridylazo)-2-naphthol. Journal of Analytical Chemistry, 2009, 64, 609-614.	0.9	21
39	ICP-MS multi-element analysis for determining the origin by multivariate analysis of red pepper flakes from three different regions of Turkey. LWT - Food Science and Technology, 2019, 103, 301-307.	5.2	21
40	Synthesis/characterization of a new chelating resin and on-line solid phase extraction for the determination of Ag(I) and Pd(II) from water, cream, anode slime and converter samples by flow injection flame atomic absorption spectrometry. Talanta, 2013, 105, 340-346.	5.5	19
41	Synthesis, characterization and application of a chelating resin for solid phase extraction of some trace metal ions from water, sediment and tea samples. Reactive and Functional Polymers, 2012, 72, 722-728.	4.1	18
42	On-line preconcentration/determination of zinc from water, biological and food samples using synthesized chelating resin and flame atomic absorption spectrometry. Journal of Trace Elements in Medicine and Biology, 2013, 27, 85-90.	3.0	18
43	Spectrophotometric determination of basic fuchsin from various water samples after vortex assisted solid phase extraction using reduced graphene oxide as an adsorbent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 378-384.	3.9	17
44	Synthesis and application of a new chelating resin functionalized with salicylaldoxime for the determination of Pb(II), Ni(II), Cu(II) and Mn(II) ions in water samples by flame atomic absorption spectrometry. Mikrochimica Acta, 2008, 162, 87-92.	5.0	15
45	ATOMIC ABSORPTION SPECTROMETRIC DETERMINATION OF HEAVY METAL CONTENTS OF SOILS AROUND DIFFERENT HIGHWAYS IN TURKEY AND STATISTICAL INTERPRETATION OF THE DATA. Instrumentation Science and Technology, 2002, 20, 127-140.	0.8	14
46	A comparative study on the preconcentration of some metal ions in water samples with Cu(II) and Ni(II) salicylaldoxime coprecipitants. Mikrochimica Acta, 2009, 165, 129-133.	5.0	14
47	Preconcentration of Ag and Pd ions using graphite oxide and 2,6-diaminopyridyne from water, anode slime and catalytic converter samples. RSC Advances, 2014, 4, 18108-18116.	3.6	13
48	Determination of Cd(II), Co(II), Cu(II), Ni(II), and Pb(II) Ions by FAAS after Separation/Preconcentration using Amberlite XAD‐1180 Chelating Resin Chemically Modified with o‐Aminophenol. Separation Science and Technology, 2007, 42, 3199-3215.	2.5	12
49	Vortexing/shaking-free solid phase extraction of lead(II) by using an urchin-like NiCo2O4 hollow microsphere adsorbent. Mikrochimica Acta, 2017, 184, 1191-1198.	5.0	12
50	Preparation of polyacrylonitrile/polyindole conducting polymer composite and its use for solid phase extraction of copper in a certified reference material. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 244, 118826.	3.9	12
51	Chemometrical Interpretation of Lake Waters after their Chemical Analysis by Using Aas, Flame Photometry and Titrimetric Techniques. International Journal of Environmental Analytical Chemistry, 2002, 82, 291-305.	3.3	11
52	Determination of color additive tartrazine (E 102) in food samples after dispersive solid phase extraction with a zirconium-based metal-organic framework (UiO-66(Zr)-(COOH)$_2$). Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 731-741.	2.3	11
53	Coprecipitation with Cu(II)‐4‐(2‐Pyridylazo)‐resorcinol for Separation and Preconcentration of Fe(III) and Ni(II) in Water and Food Samples. Clean - Soil, Air, Water, 2011, 39, 296-300.	1.1	10
54	Use of Cu(II) and Fe(III) N-benzoyl-N-phenylhydroxylamine coprecipitants for preconcentration of some trace metal ions in food samples. Food Chemistry, 2011, 127, 359-363.	8.2	8

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55	Stability of Arsenic Species During Bioaccessibility Assessment Using the In Vitro UBM and HPLC-ICP-MS Detection. Biological Trace Element Research, 2020, 198, 332-338.	3.5	8
56	Dispersive Solid-Phase Extraction of Rhodium from Water, Street Dust, and Catalytic Converters Using a Celluloseâ€"Graphite Oxide Composite. Analytical Letters, 2017, 50, 63-79.	1.8	7
57	Onâ€line Solid Phase Extraction of Copper in Water Samples with Flow Injection Flame Atomic Absorption Spectrometry. Clean - Soil, Air, Water, 2011, 39, 244-249.	1.1	5
58	Novel Chelating Resin for Solid-Phase Extraction of Metals in Certified Reference Materials and Waters. Analytical Letters, 2017, 50, 364-378.	1.8	4
59	Bioaccessibility of Cu, Mn, Fe, and Zn in Fruit and Vegetables by the In Vitro UBM and Statistical Evaluation of the Results. Biological Trace Element Research, 2023, 201, 1538-1546.	3.5	4
60	Graphite Oxide Solid-Phase Extraction of Copper(II) and Lead(II) from Water, Food, Tobacco, and Hair. Analytical Letters, 2016, 49, 2193-2206.	1.8	3
61	Dispersive solid phase extraction of copper and lead from water and lichen samples with an activated carbon@Fe/Mn/O composite derived from sucrose-based activated carbon. Analytical Methods, 2019, 11, 5311-5319.	2.7	3
62	Preconcentration/Separation of Some Trace Metal Ions From Water Samples by a New Synthesized Chelating Resin. Journal of AOAC INTERNATIONAL, 2014, 97, 598-604.	1.5	2
63	Speciation and Preconcentration of Chromium from Water and Food Samples by Synthesized Chelating Resin. Journal of the Brazilian Chemical Society, 2013, , .	0.6	2
64	Determination of some trace metals in waters by flame atomic absorption spectrometry after preconcentration on Amberlite XAD-16 resin with sodium tetraborate. Annali Di Chimica, 2002, 92, 1119-26.	0.6	2
65	FAAS Determination of Ag(I) in Water, Anode Slime, Rock and Cream Samples by Solid Phase Extraction Method based on Sepabeads SP207/5-(p-Dimethylaminobenzylidene) Rhodanine Combination. Journal of the Brazilian Chemical Society, 2013, , .	0.6	1
66	Additions and Corrections - Coprecipitative Preconcentration of Cr(III), Pb(II), Zn(II), Cd(II) and Mn(II) Ions with Al(III) and Fe(III) Carriers and Chromotrope 2B Reagent and their FAAS Determination in Various Water and Food Samples. Journal of the Brazilian Chemical Society, 2013, 24, 523-523.	0.6	1
67	Coprecipitative preconcentration of Cr(III), Pb(II), Zn(II), Cd(II) and Mn(II) Ions with Al(III) and Fe(III) carriers and chromotrope 2B reagent and their FAAS determination in various water and food samples. Journal of the Brazilian Chemical Society, 2013, , .	0.6	0